

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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0,75

1,00

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$n^* = 1,0$

blackness n^*

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0,50

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chromaticness c^*

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0,50

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blackness n^*

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0,50

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chromaticness c^*

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blackness n^*

0,25

0,50

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

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blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

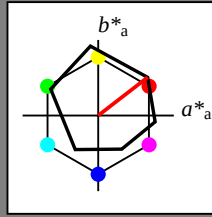
D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TCBa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCBa	75.01	-			

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCBa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCBa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCBa	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

blackness n^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

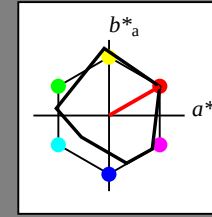
D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.96	15.97	13.58		
LAB*LABa	83.96	16.73	9.59		
LAB*TCBa	87.5	19.29	29.82		

relative CIELAB lab*					
lab*lab	0.852	0.217	0.124		
lab*ch	0.875	0.25	0.083		
lab*nch	0.0	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.852	0.248	0.03		
lab*nce	0.875	0.25	0.019		
lab*nce	0.0	0.25	0.07		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.61	16.35	12.27		
LAB*LABa	64.61	16.74	9.59		
LAB*TCBa	62.5	19.29	29.82		

relative CIELAB lab*					
lab*lab	0.602	0.217	0.124		
lab*ch	0.625	0.25	0.083		
lab*nch	0.25	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.602	0.248	0.03		
lab*nce	0.625	0.25	0.019		
lab*nce	0.25	0.25	0.07		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.17	33.31	21.09		
LAB*LABa	53.17	33.48	19.19		
LAB*TCBa	50.0	38.59	29.82		

relative CIELAB lab*					
lab*lab	0.454	0.434	0.249		
lab*ch	0.454	0.434	0.249		
lab*nch	0.25	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.454	0.496	0.06		
lab*nce	0.5	0.5	0.019		
lab*nce	0.25	0.5	0.07		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	(1.0)	
cmyn3*	0.75	1.0	1.0	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	33.82	33.67	19.79		
LAB*LABa	33.82	33.47	19.18		
LAB*TCBa	25.01	38.59	29.82		

relative CIELAB lab*					
lab*lab	0.204	0.434	0.249		
lab*ch	0.25	0.5	0.083		
lab*nch	0.5	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.204	0.496	0.06		
lab*nce	0.25	0.5	0.019		
lab*nce	0.5	0.5	0.07		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

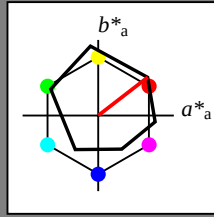
0,25

0,50

0,75

1,00

chromaticness c^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

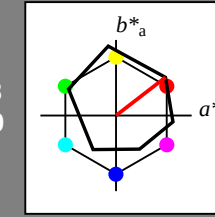
0,25

0,50

0,75

1,00

chromaticness c^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

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0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

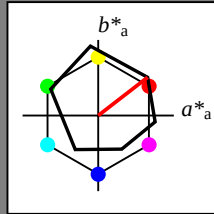
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

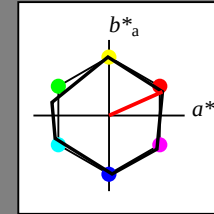
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

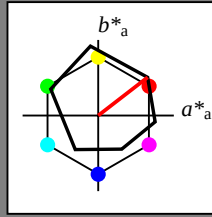
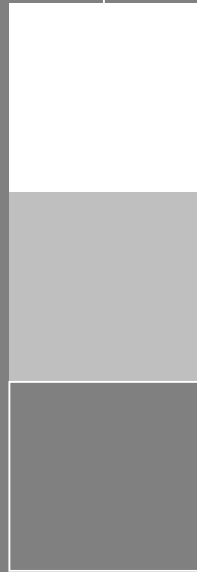
D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	-0.01	-
LAB*LABa	95.41	0.0	0.0	-	-
LAB*TCHa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	-	-
relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	-	-
LAB*LABa	74.31	0.0	0.0	-	-
LAB*TCHa	75.01	-	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	-	-
lab*lab	0.75	0.0	0.0	-	-
lab*nch	0.25	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	0.75	0.0	0.0	-	-
lab*lab	0.75	0.0	0.0	-	-
lab*nch	0.25	0.0	0.0	-	-
relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	-	-
LAB*LABa	53.21	0.0	0.0	-	-
LAB*TCHa	50.0	-	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	-	-
lab*lab	0.5	0.0	0.0	-	-
lab*nch	0.5	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	0.5	0.0	0.0	-	-
lab*lab	0.5	0.0	0.0	-	-
lab*nch	0.5	0.0	0.0	-	-
relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01	-	-
LAB*LABa	32.11	0.0	0.0	-	-
LAB*TCHa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	-	-
lab*lab	0.25	0.0	0.0	-	-
lab*nch	0.25	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	0.25	0.0	0.0	-	-
lab*lab	0.25	0.0	0.0	-	-
lab*nch	0.25	0.0	0.0	-	-
relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	-	-
LAB*LABa	11.01	0.0	0.0	-	-
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	-	-

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

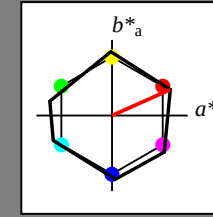
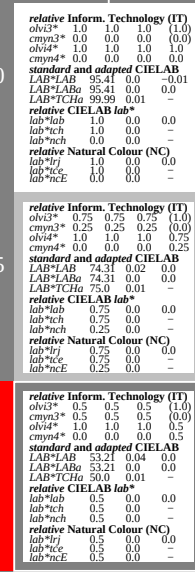
D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
CMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	1.0	1.0
cmyn3*	0.0	0.25	0.25	0.25	0.25
olvi4*	1.0	0.75	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	84.85	19.28	8.58	-	-
LAB*LABa	84.85	19.28	8.58	-	-
LAB*TCHa	87.5	21.08	24.01	-	-
relative CIELAB lab*					
lab*lab	0.875	0.228	0.102	-	-
lab*lab	0.875	0.228	0.102	-	-
lab*nch	0.0	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*lab	0.875	0.228	0.102	-	-
lab*lab	0.875	0.228	0.102	-	-
lab*nch	0.0	0.25	0.067	-	-
relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	0.5	0.5
cmyn3*	0.25	0.5	0.5	0.5	0.5
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	63.75	19.3	8.59	-	-
LAB*LABa	63.75	19.3	8.59	-	-
LAB*TCHa	62.5	21.09	24.01	-	-
relative CIELAB lab*					
lab*lab	0.625	0.228	0.102	-	-
lab*lab	0.625	0.228	0.102	-	-
lab*nch	0.25	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*lab	0.625	0.228	0.102	-	-
lab*lab	0.625	0.228	0.102	-	-
lab*nch	0.25	0.25	0.067	-	-
relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	0.25	0.25
cmyn3*	0.5	0.25	0.25	0.25	0.25
olvi4*	1.0	0.5	0.5	0.5	0.5
cmyn4*	0.0	0.25	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	53.2	38.57	17.17	-	-
LAB*LABa	53.2	38.57	17.17	-	-
LAB*TCHa	50.0	42.18	24.01	-	-
relative CIELAB lab*					
lab*lab	0.5	0.457	0.203	-	-
lab*lab	0.5	0.457	0.203	-	-
lab*nch	0.25	0.5	0.067	-	-
relative Natural Colour (NC)					
lab*lab	0.5	0.457	0.203	-	-
lab*lab	0.5	0.457	0.203	-	-
lab*nch	0.25	0.5	0.067	-	-
relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	1.0	1.0
cmyn3*	0.25	1.0	1.0	0.0	0.0
olvi4*	1.0	0.75	0.75	0.25	0.25
cmyn4*	0.0	0.25	0.25	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	21.55	19.33	8.6	-	-
LAB*LABa	21.55	19.33	8.6	-	-
LAB*TCHa	12.5	21.08	24.01	-	-
relative CIELAB lab*					
lab*lab	0.125	0.228	0.102	-	-
lab*lab	0.125	0.228	0.102	-	-
lab*nch	0.75	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*lab	0.125	0.228	0.102	-	-
lab*lab	0.125	0.228	0.102	-	-
lab*nch	0.75	0.25	0.067	-	-

0.25

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

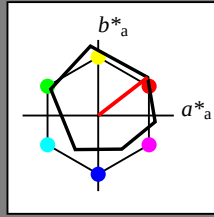
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

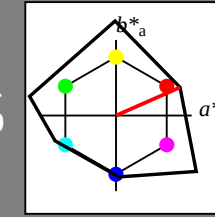
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

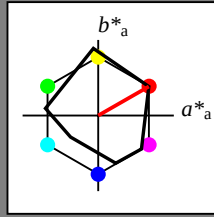
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

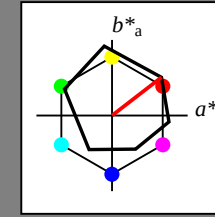
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

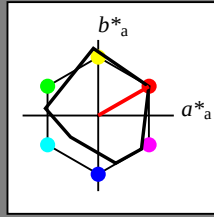
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

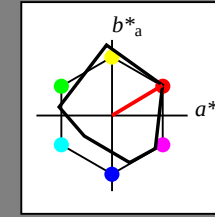
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 31/360 = 0.086 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

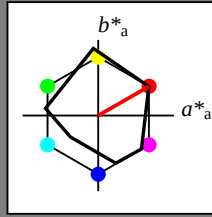
D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*ch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*ch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	56.7	0.0	0.0	0.0	0.0
LAB*LABa	56.7	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*ch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

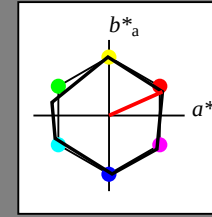
D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	1.0	1.0
cmyn3*	0.0	0.25	0.25	0.0	0.0
olvi4*	1.0	0.75	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	85.73	17.68	7.86	0.004	0.009
LAB*LABa	85.73	17.66	7.86	0.004	0.009
LAB*TC _{Ha}	87.5	19.33	24.01	-	-
relative CIELAB lab*					
lab*lab	0.875	0.228	0.102	0.0	0.0
lab*ch	0.875	0.25	0.067	0.0	0.0
lab*nch	0.0	0.25	0.067	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.875	0.25	0.067	0.0	0.0
lab*nce	0.0	0.25	0.067	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	0.5	0.5
cmyn3*	0.25	0.5	0.5	0.5	0.5
olvi4*	1.0	0.75	0.75	0.5	0.5
cmyn4*	0.0	0.25	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	66.38	17.71	7.88	-0.004	-0.009
LAB*LABa	66.38	17.66	7.87	-0.004	-0.009
LAB*TC _{Ha}	62.5	19.34	24.01	-	-
relative CIELAB lab*					
lab*lab	0.625	0.228	0.102	0.0	0.0
lab*ch	0.625	0.25	0.067	0.0	0.0
lab*nch	0.25	0.25	0.067	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.625	0.25	0.067	0.0	0.0
lab*nce	0.25	0.25	0.067	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	0.5	0.5
cmyn3*	0.5	0.25	0.25	0.5	0.5
olvi4*	1.0	0.75	0.75	0.5	0.5
cmyn4*	0.0	0.25	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	56.7	35.38	15.75	-0.014	-0.019
LAB*LABa	56.7	35.33	15.73	-0.014	-0.019
LAB*TC _{Ha}	50.0	38.67	24.01	-	-
relative CIELAB lab*					
lab*lab	0.5	0.457	0.203	0.0	0.0
lab*ch	0.5	0.5	0.067	0.0	0.0
lab*nch	0.25	0.5	0.067	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.067	0.0	0.0
lab*nce	0.25	0.5	0.067	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	0.0	0.0
cmyn3*	0.75	1.0	1.0	0.0	0.0
olvi4*	1.0	0.75	0.75	0.25	0.25
cmyn4*	0.0	0.25	0.25	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	27.69	17.66	7.86	-0.004	-0.009
LAB*LABa	27.69	17.66	7.86	-0.004	-0.009
LAB*TC _{Ha}	12.5	19.33	24.01	-	-
relative CIELAB lab*					
lab*lab	0.125	0.228	0.102	0.0	0.0
lab*ch	0.125	0.25	0.067	0.0	0.0
lab*nch	0.75	0.25	0.067	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.125	0.25	0.067	0.0	0.0
lab*nce	0.75	0.25	0.067	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

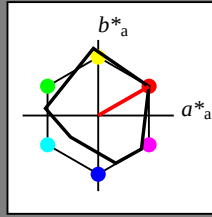
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

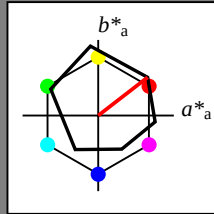
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

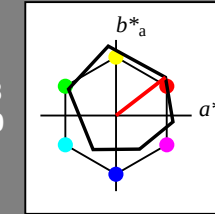
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

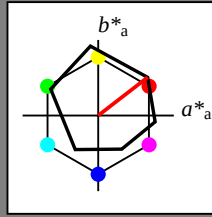
D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
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 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
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 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

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 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

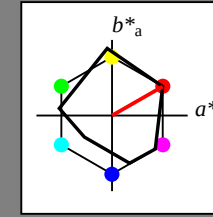
D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
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 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
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 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
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relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.7$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

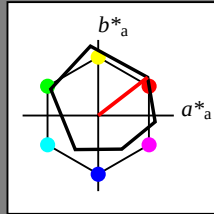
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

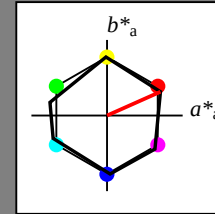
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

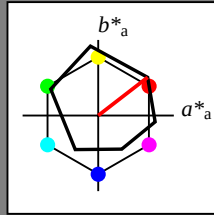
D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
$olvi3^*$	1.0	1.0	1.0	1.0	1.0
$cmyn3^*$	0.0	0.0	0.0	0.0	0.0
$olvi4^*$	1.0	1.0	1.0	1.0	1.0
$cmyn4^*$	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB^*LAB	95.41	0.0	-0.01	-	-
LAB^*LABa	95.41	0.0	0.0	-	-
LAB^*TCha	99.99	0.01	-	-	-
relative CIELAB lab*					
lab^*lab	1.0	0.0	0.0	-	-
lab^*tch	1.0	0.0	-	-	-
lab^*nch	0.0	0.0	-	-	-
relative Natural Colour (NC)					
lab^*trj	1.0	0.0	0.0	-	-
lab^*tce	0.0	0.0	-	-	-
lab^*nce	0.0	0.0	-	-	-

relative Inform. Technology (IT)					
$olvi3^*$	0.75	0.75	0.75	0.75	0.75
$cmyn3^*$	0.25	0.25	0.25	0.25	0.25
$olvi4^*$	1.0	1.0	1.0	1.0	1.0
$cmyn4^*$	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB^*LAB	76.07	0.0	0.0	-	-
LAB^*LABa	76.07	0.0	0.0	-	-
LAB^*TCha	75.0	0.01	-	-	-
relative CIELAB lab*					
lab^*lab	0.75	0.0	0.0	-	-
lab^*tch	0.75	0.0	-	-	-
lab^*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)					
lab^*trj	0.75	0.0	0.0	-	-
lab^*tce	0.25	0.0	-	-	-
lab^*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)					
$olvi3^*$	0.5	0.5	0.5	0.5	0.5
$cmyn3^*$	0.5	0.5	0.5	0.5	0.5
$olvi4^*$	1.0	1.0	1.0	1.0	1.0
$cmyn4^*$	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB					
LAB^*LAB	56.72	0.0	0.0	-	-
LAB^*LABa	56.72	0.0	0.0	-	-
LAB^*TCha	50.0	0.01	-	-	-
relative CIELAB lab*					
lab^*lab	0.5	0.0	0.0	-	-
lab^*tch	0.5	0.0	-	-	-
lab^*nch	0.5	0.0	-	-	-
relative Natural Colour (NC)					
lab^*trj	0.5	0.0	0.0	-	-
lab^*tce	0.5	0.0	-	-	-
lab^*nce	0.5	0.0	-	-	-

relative Inform. Technology (IT)					
$olvi3^*$	0.25	0.25	0.25	0.25	0.25
$cmyn3^*$	0.75	0.75	0.75	0.75	0.75
$olvi4^*$	1.0	1.0	1.0	1.0	1.0
$cmyn4^*$	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB^*LAB	37.37	0.07	0.01	-	-
LAB^*LABa	37.37	0.0	0.0	-	-
LAB^*TCha	25.0	0.01	-	-	-
relative CIELAB lab*					
lab^*lab	0.25	0.0	0.0	-	-
lab^*tch	0.25	0.0	-	-	-
lab^*nch	0.75	0.0	-	-	-
relative Natural Colour (NC)					
lab^*trj	0.25	0.0	0.0	-	-
lab^*tce	0.25	0.0	-	-	-
lab^*nce	0.75	0.0	-	-	-

relative Inform. Technology (IT)					
$olvi3^*$	0.0	0.0	0.0	0.0	0.0
$cmyn3^*$	1.0	1.0	1.0	1.0	1.0
$olvi4^*$	1.0	1.0	1.0	1.0	1.0
$cmyn4^*$	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB					
LAB^*LAB	18.02	0.09	0.02	-	-
LAB^*LABa	18.02	0.0	0.0	-	-
LAB^*TCha	0.01	0.01	-	-	-
relative CIELAB lab*					
lab^*lab	0.0	0.0	0.0	-	-
lab^*tch	0.0	0.0	-	-	-
lab^*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)					
lab^*trj	0.0	0.0	0.0	-	-
lab^*tce	0.0	0.0	-	-	-
lab^*nce	1.0	0.0	-	-	-

$n^* = 1,0$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

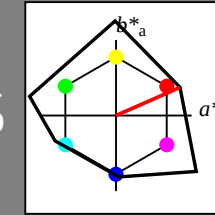
D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
$olvi3^*$	1.0	0.75	0.75	0.75	0.75
$cmyn3^*$	0.0	0.25	0.25	0.25	0.25
$olvi4^*$	1.0	0.75	0.75	1.0	1.0
$cmyn4^*$	0.0	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB^*LAB	83.34	21.17	9.31	-	-
LAB^*LABa	83.34	21.15	9.31	-	-
LAB^*TCha	87.5	23.11	23.75	-	-
relative CIELAB lab*					
lab^*lab	0.844	0.229	0.101	-	-
lab^*tch	0.875	0.25	0.066	-	-
lab^*nch	0.0	0.25	0.066	-	-
relative Natural Colour (NC)					
lab^*trj	0.844	0.25	0.005	-	-
lab^*tce	0.875	0.25	0.996	-	-
lab^*nce	0.0	0.25	0.996	-	-

relative Inform. Technology (IT)					
$olvi3^*$	0.75	0.5	0.5	0.5	0.5
$cmyn3^*$	0.25	0.5	0.5	0.5	0.5
$olvi4^*$	1.0	0.75	0.75	0.75	0.75
$cmyn4^*$	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB^*LAB	63.99	21.2	9.32	-	-
LAB^*LABa	63.99	21.16	9.31	-	-
LAB^*TCha	62.5	23.12	23.75	-	-
relative CIELAB lab*					
lab^*lab	0.594	0.229	0.101	-	-
lab^*tch	0.625	0.25	0.066	-	-
lab^*nch	0.25	0.25	0.066	-	-
relative Natural Colour (NC)					
lab^*trj	0.594	0.25	0.005	-	-
lab^*tce	0.625	0.25	0.996	-	-
lab^*nce	0.25	0.25	0.996	-	-

relative Inform. Technology (IT)					
$olvi3^*$	0.5	0.25	0.25	0.25	0.25
$cmyn3^*$	0.5	0.25	0.25	0.25	0.25
$olvi4^*$	1.0	0.75	0.75	0.75	0.75
$cmyn4^*$	0.0	0.25	0.25	0.5	0.5
standard and adapted CIELAB					
LAB^*LAB	44.64	21.22	9.33	-	-
LAB^*LABa	44.64	21.16	9.31	-	-
LAB^*TCha	37.5	23.12	23.75	-	-
relative CIELAB lab*					
lab^*lab	0.344	0.229	0.101	-	-
lab^*tch	0.375	0.25	0.066	-	-
lab^*nch	0.5	0.25	0.066	-	-
relative Natural Colour (NC)					
lab^*trj	0.344	0.25	0.005	-	-
lab^*tce	0.375	0.25	0.996	-	-
lab^*nce	0.5	0.25	0.996	-	-

<i>olvi3*</i>	0.25	0.0	0.0	(1.0)
<i>cmyn3*</i>	0.75	1.0	1.0	(0.0)
<i>olvi4*</i>	1.0	0.75	0.75	0.25
<i>cmyn4*</i>	0.0	0.25	0.25	0.75
standard and adapted CIELAB				
<i>lab*LAB</i>	25.3	21.24	9.33	
<i>lab*LABa</i>	25.3	21.15	9.31	
<i>lab*TCha</i>	12.5	23.11	23.75	
relative CIELAB lab*				
<i>lab*lab</i>	0.094	0.229	0.101	
<i>lab*tch</i>	0.125	0.25	0.066	
<i>lab*nch</i>	0.75	0.25	0.066	
relative Natural Colour (NC)				
<i>lab*lrj</i>	0.094	0.25	-0.005	
<i>lab*tce</i>	0.125	0.25	0.996	
<i>lab*nCE</i>	0.75	0.25	0.998	

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

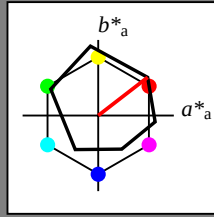
D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0
olvi13*	0.0	0.0	0.0	0.0	0.0
olvi14*	0.0	0.0	0.0	0.0	0.0
olvi15*	0.0	0.0	0.0	0.0	0.0
olvi16*	0.0	0.0	0.0	0.0	0.0
olvi17*	0.0	0.0	0.0	0.0	0.0
olvi18*	0.0	0.0	0.0	0.0	0.0
olvi19*	0.0	0.0	0.0	0.0	0.0
olvi20*	0.0	0.0	0.0	0.0	0.0
olvi21*	0.0	0.0	0.0	0.0	0.0
olvi22*	0.0	0.0	0.0	0.0	0.0
olvi23*	0.0	0.0	0.0	0.0	0.0
olvi24*	0.0	0.0	0.0	0.0	0.0
olvi25*	0.0	0.0	0.0	0.0	0.0
olvi26*	0.0	0.0	0.0	0.0	0.0
olvi27*	0.0	0.0	0.0	0.0	0.0
olvi28*	0.0	0.0	0.0	0.0	0.0
olvi29*	0.0	0.0	0.0	0.0	0.0
olvi30*	0.0	0.0	0.0	0.0	0.0
olvi31*	0.0	0.0	0.0	0.0	0.0
olvi32*	0.0	0.0	0.0	0.0	0.0
olvi33*	0.0	0.0	0.0	0.0	0.0
olvi34*	0.0	0.0	0.0	0.0	0.0
olvi35*	0.0	0.0	0.0	0.0	0.0
olvi36*	0.0	0.0	0.0	0.0	0.0
olvi37*	0.0	0.0	0.0	0.0	0.0
olvi38*	0.0	0.0	0.0	0.0	0.0
olvi39*	0.0	0.0	0.0	0.0	0.0
olvi40*	0.0	0.0	0.0	0.0	0.0
olvi41*	0.0	0.0	0.0	0.0	0.0
olvi42*	0.0	0.0	0.0	0.0	0.0
olvi43*	0.0	0.0	0.0	0.0	0.0
olvi44*	0.0	0.0	0.0	0.0	0.0
olvi45*	0.0	0.0	0.0	0.0	0.0
olvi46*	0.0	0.0	0.0	0.0	0.0
olvi47*	0.0	0.0	0.0	0.0	0.0
olvi48*	0.0	0.0	0.0	0.0	0.0
olvi49*	0.0	0.0	0.0	0.0	0.0
olvi50*	0.0	0.0	0.0	0.0	0.0
olvi51*	0.0	0.0	0.0	0.0	0.0
olvi52*	0.0	0.0	0.0	0.0	0.0
olvi53*	0.0	0.0	0.0	0.0	0.0
olvi54*	0.0	0.0	0.0	0.0	0.0
olvi55*	0.0	0.0	0.0	0.0	0.0
olvi56*	0.0	0.0	0.0	0.0	0.0
olvi57*	0.0	0.0	0.0	0.0	0.0
olvi58*	0.0	0.0	0.0	0.0	0.0
olvi59*	0.0	0.0	0.0	0.0	0.0
olvi60*	0.0	0.0	0.0	0.0	0.0
olvi61*	0.0	0.0	0.0	0.0	0.0
olvi62*	0.0	0.0	0.0	0.0	0.0
olvi63*	0.0	0.0	0.0	0.0	0.0
olvi64*	0.0	0.0	0.0	0.0	0.0
olvi65*	0.0	0.0	0.0	0.0	0.0
olvi66*	0.0	0.0	0.0	0.0	0.0
olvi67*	0.0	0.0	0.0	0.0	0.0
olvi68*	0.0	0.0	0.0	0.0	0.0
olvi69*	0.0	0.0	0.0	0.0	0.0
olvi70*	0.0	0.0	0.0	0.0	0.0
olvi71*	0.0	0.0	0.0	0.0	0.0
olvi72*	0.0	0.0	0.0	0.0	0.0
olvi73*	0.0	0.0	0.0	0.0	0.0
olvi74*	0.0	0.0	0.0	0.0	0.0
olvi75*	0.0	0.0	0.0	0.0	0.0
olvi76*	0.0	0.0	0.0	0.0	0.0
olvi77*	0.0	0.0	0.0	0.0	0.0
olvi78*	0.0	0.0	0.0	0.0	0.0
olvi79*	0.0	0.0	0.0	0.0	0.0
olvi80*	0.0	0.0	0.0	0.0	0.0
olvi81*	0.0	0.0	0.0	0.0	0.0
olvi82*	0.0	0.0	0.0	0.0	0.0
olvi83*	0.0	0.0	0.0	0.0	0.0
olvi84*	0.0	0.0	0.0	0.0	0.0
olvi85*	0.0	0.0	0.0	0.0	0.0
olvi86*	0.0	0.0	0.0	0.0	0.0
olvi87*	0.0	0.0	0.0	0.0	0.0
olvi88*	0.0	0.0	0.0	0.0	0.0
olvi89*	0.0	0.0	0.0	0.0	0.0
olvi90*	0.0	0.0	0.0	0.0	0.0
olvi91*	0.0	0.0	0.0	0.0	0.0
olvi92*	0.0	0.0	0.0	0.0	0.0
olvi93*	0.0	0.0	0.0	0.0	0.0
olvi94*	0.0	0.0	0.0	0.0	0.0
olvi95*	0.0	0.0	0.0	0.0	0.0
olvi96*	0.0	0.0	0.0	0.0	0.0
olvi97*	0.0	0.0	0.0	0.0	0.0
olvi98*	0.0	0.0	0.0	0.0	0.0
olvi99*	0.0	0.0	0.0	0.0	0.0
olvi100*	0.0	0.0	0.0	0.0	0.0

0,75

relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*a	0.75	0.0	0.0	
lab*b	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lrj	0.75	0.0	0.0	
lab*lc	0.75	0.0	0.0	
lab*ncE	0.25	0.0	0.0	
relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
olvi4*	0.5	0.5	0.5	(1.0)
olvi4*	1.0	1.0	1.0	0.5
olvi4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	53.21	0.04	0.0	
LAB*a	53.21	0.0	0.0	
LAB*b	53.21	0.0	0.0	
LAB*TCu	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*a	0.5	0.0	0.0	
lab*b	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*lc	0.5	0.0	0.0	
lab*ncE	0.5	0.0	0.0	

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

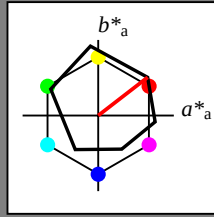
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

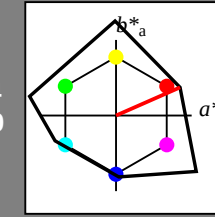
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

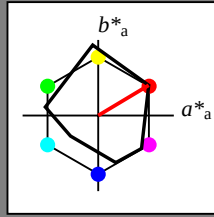
LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 31/360 = 0.086 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

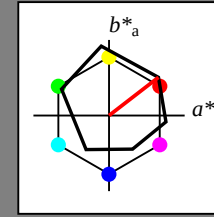
LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.54	15.58	16.58		
LAB*LABa	83.54	16.34	12.62		
LAB*TCRa	87.5	20.65	37.7		

relative CIELAB lab*					
lab*lab	0.847	0.198	0.153		
lab*tch	0.875	0.25	0.105		
lab*nch	0.0	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.847	0.25	0.105		
lab*tce	0.875	0.25	0.048		
lab*nce	0.0	0.25	0.191		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.19	15.36	15.28		
LAB*LABa	64.19	16.34	12.63		
LAB*TCRa	62.5	20.65	37.7		

relative CIELAB lab*					
lab*lab	0.597	0.198	0.153		
lab*tch	0.625	0.25	0.105		
lab*nch	0.25	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.597	0.25	0.105		
lab*tce	0.625	0.25	0.048		
lab*nce	0.25	0.25	0.191		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	52.33	32.33	27.11		
LAB*LABa	52.33	32.69	25.26		
LAB*TCRa	50.0	41.3	37.7		

relative CIELAB lab*					
lab*lab	0.443	0.396	0.306		
lab*tch	0.443	0.396	0.105		
lab*nch	0.25	0.5	0.105		
relative Natural Colour (NC)					
lab*trj	0.443	0.477	0.15		
lab*tce	0.5	0.5	0.048		
lab*nce	0.25	0.5	0.191		

relative Inform. Technology (IT)					
olvi3*	0.5	0.0	0.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olvi4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	40.46	49.1	38.93		
LAB*LABa	40.46	49.02	37.88		
LAB*TCRa	37.51	61.95	37.7		

relative CIELAB lab*					
lab*lab	0.29	0.593	0.459		
lab*tch	0.375	0.75	0.105		
lab*nch	0.25	0.75	0.105		
relative Natural Colour (NC)					
lab*trj	0.29	0.75	0.25		
lab*tce	0.375	0.75	0.048		
lab*nce	0.25	0.75	0.191		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	(1.0)	
cmyn3*	0.75	1.0	1.0	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	25.5	16.7	12.67		
LAB*LABa	25.5	16.34	12.62		
LAB*TCRa	12.5	20.65	37.7		

0,25

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

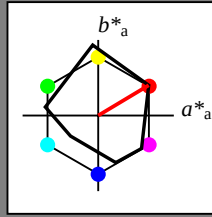
D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	1.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	1.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	1.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	1.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	1.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	1.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	1.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	1.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.0	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	1.0		

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

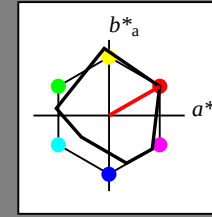
D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.96	15.97	13.58		
LAB*LABa	83.96	16.73	9.59		
LAB*TCRa	87.5	19.29	29.82		
relative CIELAB lab*					
lab*lab	0.852	0.217	0.124		
lab*ch	0.875	0.25	0.083		
lab*nch	0.0	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.852	0.248	0.03		
lab*nce	0.25	0.25	0.019		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.61	16.35	12.27		
LAB*LABa	64.61	16.74	9.59		
LAB*TCRa	62.5	19.29	29.82		
relative CIELAB lab*					
lab*lab	0.602	0.217	0.124		
lab*ch	0.625	0.25	0.083		
lab*nch	0.25	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.602	0.248	0.03		
lab*nce	0.25	0.25	0.019		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.17	33.31	21.09		
LAB*LABa	53.17	33.48	19.19		
LAB*TCRa	50.0	38.59	29.82		
relative CIELAB lab*					
lab*lab	0.454	0.434	0.249		
lab*ch	0.454	0.434	0.083		
lab*nch	0.25	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.454	0.496	0.06		
lab*nce	0.25	0.25	0.019		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	(1.0)	
cmyn3*	0.75	1.0	1.0	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	25.92	17.08	9.66		
LAB*LABa	25.92	16.73	9.59		
LAB*TCRa	12.5	19.29	29.82		
relative CIELAB lab*					
lab*lab	0.102	0.217	0.124		
lab*ch	0.125	0.25	0.083		
lab*nch	0.75	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.102	0.248	0.03		
lab*nce	0.25	0.25	0.019		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.0	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	1.0		

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

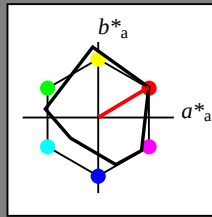
D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	0.0	0.0	0.0		
LAB*LABa	0.0	0.0	0.0		
LAB*TC _{Ma}	0.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.847	0.198	0.153		
cmyn3*	0.875	0.25	0.105		
olvi4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.54	15.58	16.58		
LAB*LABa	83.54	16.34	12.62		
LAB*TC _{Ma}	87.5	20.65	37.7		
relative CIELAB lab*					
lab*lab	0.847	0.198	0.153		
lab*ch	0.875	0.25	0.105		
lab*nch	0.0	0.5	0.5	(1.0)	
relative Natural Colour (NC)					
lab*trj	0.847	0.298	0.075		
lab*nce	0.875	0.25	0.048		
lab*nce	0.0	0.25	r19		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.19	15.36	15.28		
LAB*LABa	64.19	16.34	12.63		
LAB*TC _{Ma}	62.5	20.65	37.7		
relative CIELAB lab*					
lab*lab	0.597	0.198	0.153		
lab*ch	0.625	0.25	0.105		
lab*nch	0.25	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.597	0.298	0.075		
lab*nce	0.625	0.25	0.048		
lab*nce	0.25	0.25	r19		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.84	16.33	13.98		
LAB*LABa	44.84	16.34	12.63		
LAB*TC _{Ma}	37.5	20.65	37.7		
relative CIELAB lab*					
lab*lab	0.347	0.198	0.153		
lab*ch	0.375	0.25	0.105		
lab*nch	0.5	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.347	0.298	0.075		
lab*nce	0.375	0.25	0.048		
lab*nce	0.5	0.25	r19		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	(1.0)	
cmyn3*	0.75	1.0	1.0	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	25.5	16.7	12.67		
LAB*LABa	25.5	16.34	12.62		
LAB*TC _{Ma}	12.5	20.65	37.7		
relative CIELAB lab*					
lab*lab	0.097	0.198	0.153		
lab*ch	0.125	0.25	0.105		
lab*nch	0.75	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.097	0.298	0.075		
lab*nce	0.125	0.25	0.048		
lab*nce	0.75	0.25	r19		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	0.0	0.0	0.0		
LAB*LABa	0.0	0.0	0.0		
LAB*TC _{Ma}	0.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	0.0	0.0	0.0		
LAB*LABa	0.0	0.0	0.0		
LAB*TC _{Ma}	0.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*Lab	76.06	-0.6	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*Lab	76.06	0.01	-	
relative CIELAB Lab				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	-	
lab*lab	0.75	0.0	-	
relative Natural Colour (NC)				
lab*nlr	0.75	0.0	0.0	
lab*nlr	0.75	0.0	-	
lab*nlr	0.75	0.0	-	

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

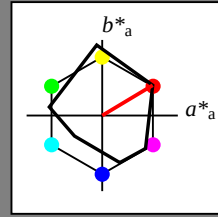
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

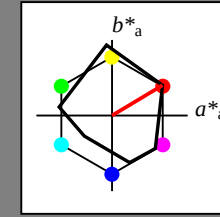
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 31/360 = 0.086 (left)

5 step scales for constant CIELAB hue 31/360 = 0.086 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

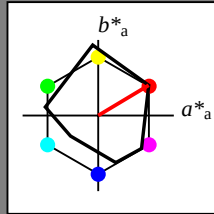
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



MRS18a; adapted (a)	CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa		49.63	66.8	40.02	77.87	31
JMa		90.7	-7.27	93.19	93.48	94
GMa		52.11	-69.93	11.26	70.85	171
G50B _{Ma}		45.03	-36.65	-27.13	45.61	217
B _{Ma}		36.65	23.26	-62.27	66.49	290
B50R _{Ma}		34.94	57.27	-43.6	71.99	323
NMa		18.01	0.0	0.0	0.0	0
WMa		95.41	0.0	0.0	0.0	0
RCIE		39.92	58.67	27.97	64.99	25
JCIE		81.26	-2.91	71.56	71.62	92
GCIE		52.23	-42.47	13.58	44.6	162
BCIE		30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

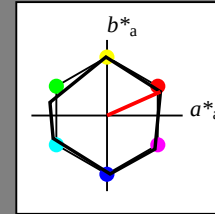
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a)	CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa		56.7	70.66	31.47	77.35	24
JMa		56.7	-1.39	77.37	77.39	91
GMa		56.7	-75.46	17.4	77.45	167
G50B _{Ma}		56.7	-71.29	-30.25	77.45	203
B _{Ma}		56.7	4.0	-77.3	77.41	273
B50R _{Ma}		56.7	63.35	-44.4	77.36	325
NMa		18.01	0.0	0.0	0.0	0
WMa		95.41	0.0	0.0	0.0	0
RCIE		39.92	58.67	27.97	64.99	25
JCIE		81.26	-2.91	71.56	71.62	92
GCIE		52.23	-42.47	13.58	44.6	162
BCIE		30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 31/360 = 0.086 (left)

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

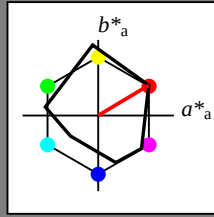
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

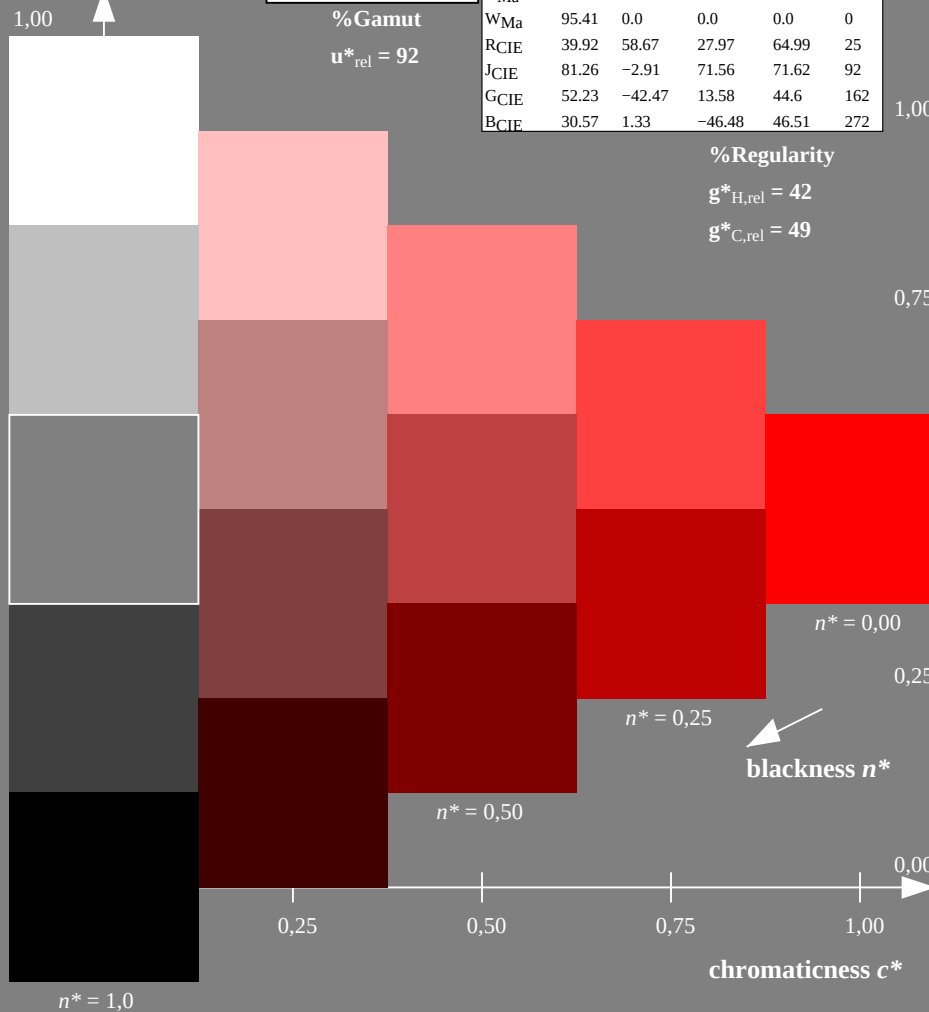
rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



TE400-7, 5 step scales for constant CIELAB hue 31/360 = 0.086 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

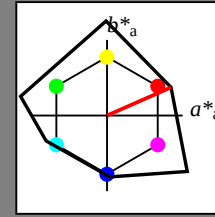
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

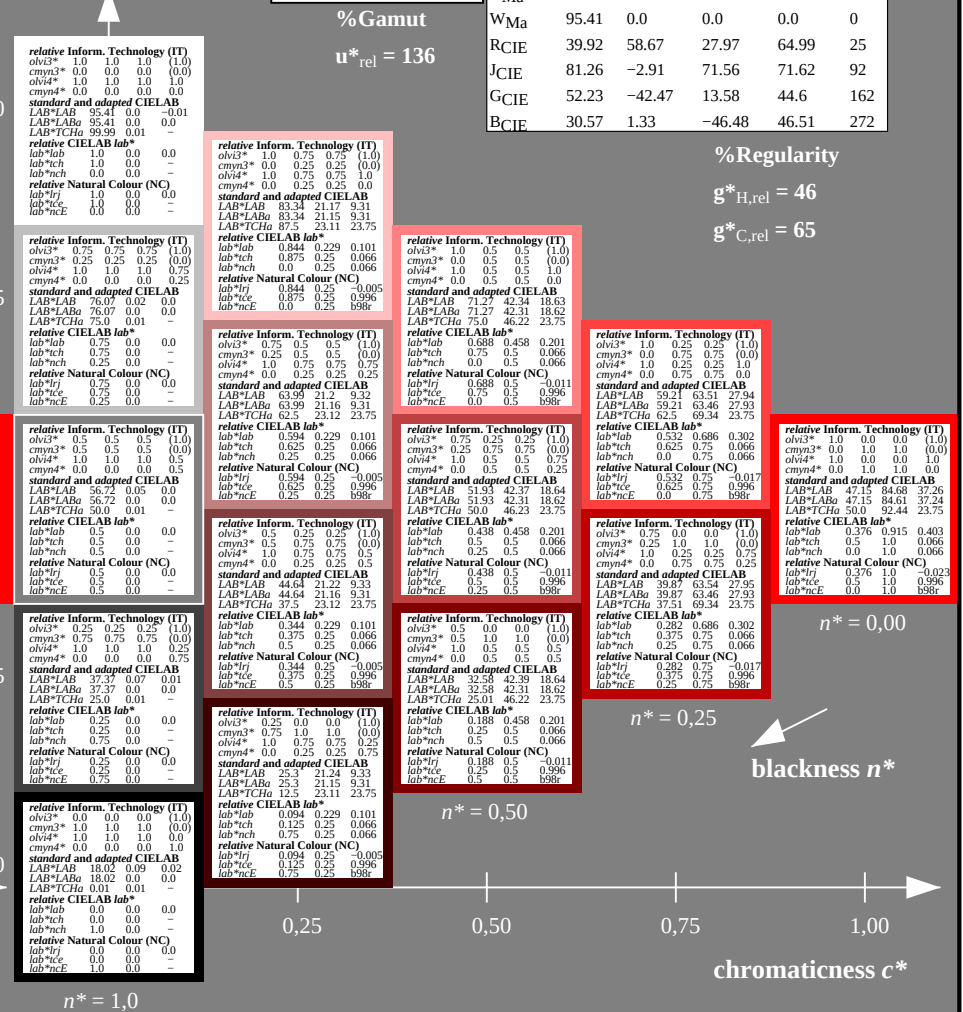
rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

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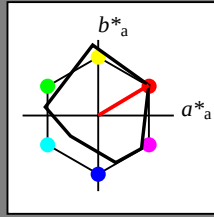
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% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

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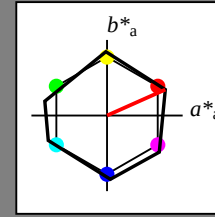
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,50$

0,25

0,50

1,00

TE400-7, 5 step scales for constant CIELAB hue 31/360 = 0.086 (left)

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

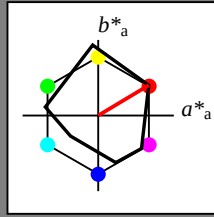
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

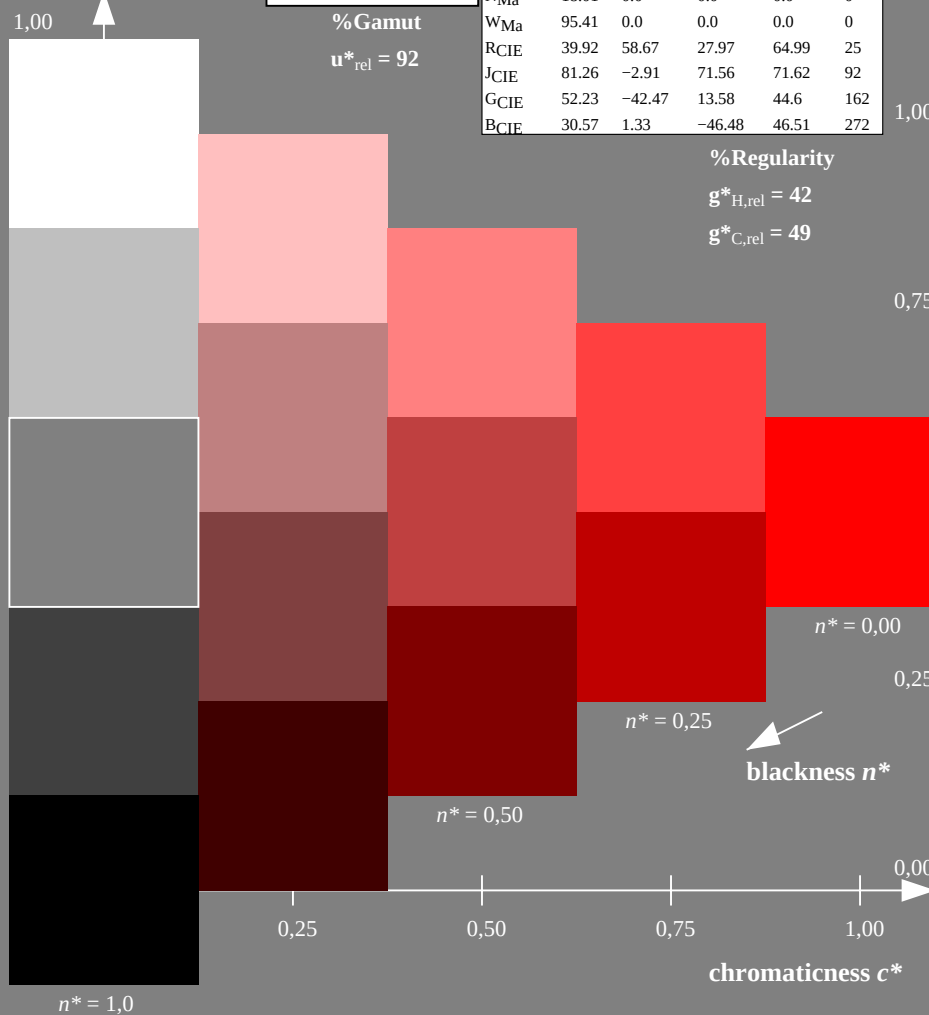
rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



TE400-7, 5 step scales for constant CIELAB hue 31/360 = 0.086 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

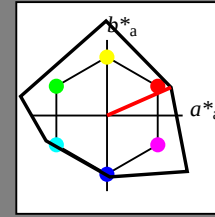
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

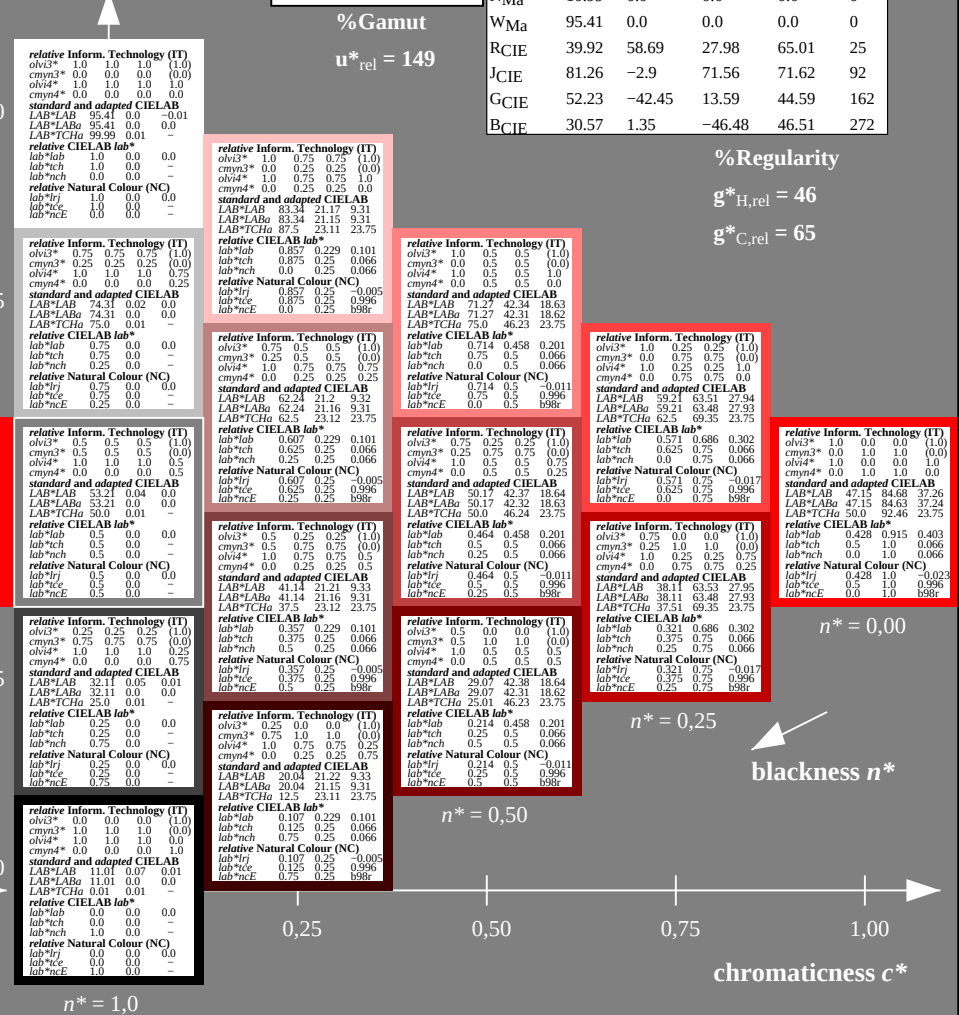
rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

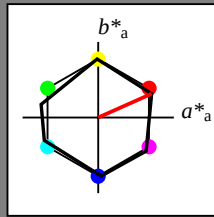
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

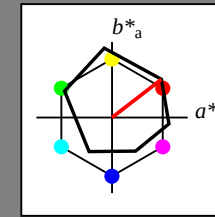
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

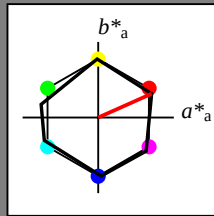
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

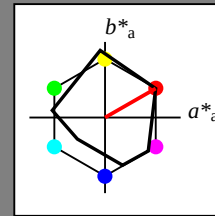
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

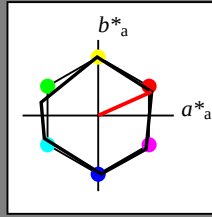
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

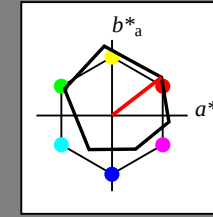
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

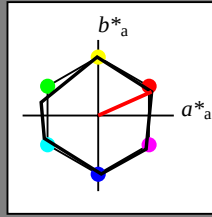
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

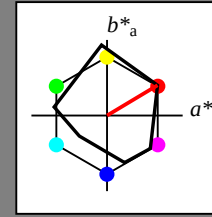
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 31/360 = 0.086 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

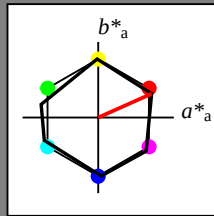
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

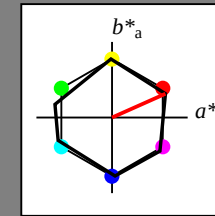
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

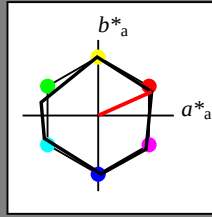
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

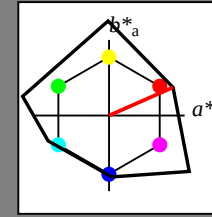
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

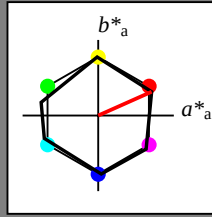
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

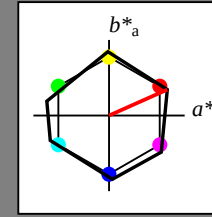
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

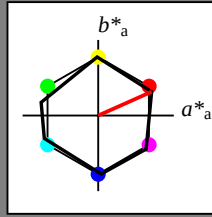
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

$\% \text{Regularity}$

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

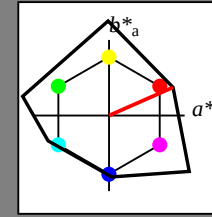
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

$\% \text{Regularity}$

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

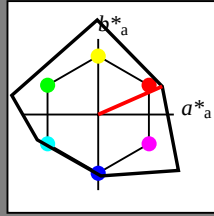
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

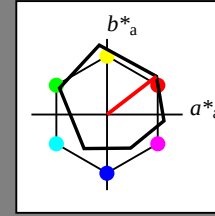
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	-	-	-	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	59.81	0.0	0.0	0.0	0.0
LAB*LABa	59.81	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	62.5	0.0	0.0	0.0	0.0

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

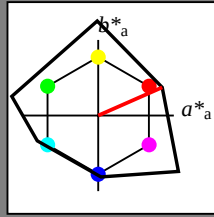
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

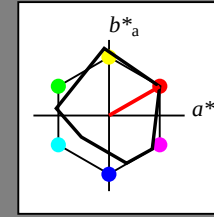
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0
lab*trj	0.0	0.0	0.0	0.0	1.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	76.06	0.0	0.0	0.0	0.0
lab*tch	76.06	0.0	0.0	0.0	0.0
lab*nch	76.06	0.0	0.0	0.0	0.0
relative CIELAB lab*	76.06	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	56.71	0.0	0.0	0.0	0.0
lab*tch	56.71	0.0	0.0	0.0	0.0
lab*nch	56.71	0.0	0.0	0.0	0.0
relative CIELAB lab*	56.71	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.5	0.0	0.0	0.0	0.0
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.0	0.0	0.0	0.0
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	18.02	0.0	0.0	0.0	0.0
lab*tch	18.02	0.0	0.0	0.0	0.0
lab*nch	18.02	0.0	0.0	0.0	0.0
relative CIELAB lab*	18.02	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0
lab*trj	0.0	0.0	0.0	0.0	1.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	61.07	0.0	0.0	0.0	0.0
lab*tch	61.07	0.0	0.0	0.0	0.0
lab*nch	61.07	0.0	0.0	0.0	0.0
relative CIELAB lab*	61.07	0.0	0.0	0.0	0.0
lab*lab	0.556	0.0	0.0	0.0	0.0
lab*tch	0.556	0.0	0.0	0.0	0.0
lab*nch	0.556	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.556	0.0	0.0	0.0	0.0
lab*trj	0.556	0.0	0.0	0.0	0.0
lab*tce	0.556	0.0	0.0	0.0	0.0
lab*nce	0.556	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	50.0	0.0	0.0	0.0	0.0
lab*tch	50.0	0.0	0.0	0.0	0.0
lab*nch	50.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	50.0	0.0	0.0	0.0	0.0
lab*lab	0.409	0.0	0.0	0.0	0.0
lab*tch	0.409	0.0	0.0	0.0	0.0
lab*nch	0.409	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.409	0.0	0.0	0.0	0.0
lab*trj	0.409	0.0	0.0	0.0	0.0
lab*tce	0.409	0.0	0.0	0.0	0.0
lab*nce	0.409	0.0	0.0	0.0	0.0

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

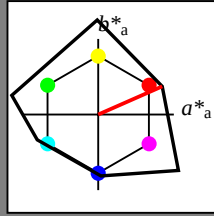
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

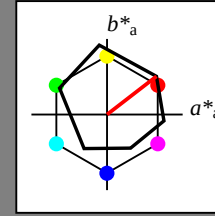
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	99.99	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	1.0	0.0	0.0	0.0	0.0
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.01	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

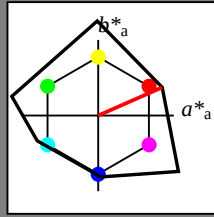
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

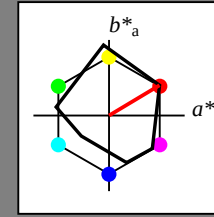
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 31/360 = 0.086 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

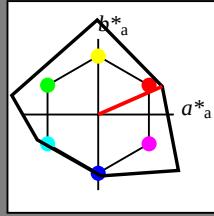
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

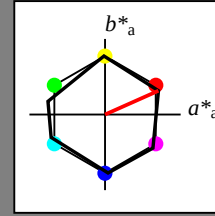
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

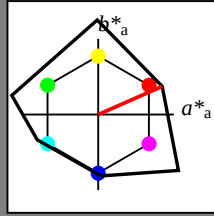
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

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Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

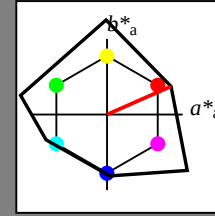
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

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Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

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1,00

chromaticness c^*

blackness n^*

0,25

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0,75

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

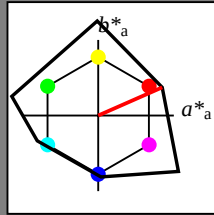
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.06	167
G50B _{Ma}	59.47	-80.61	-33.45	87.28	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

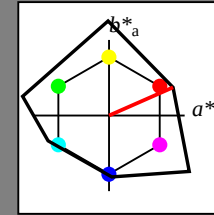
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01	-	-
LAB*LABa	95.41	0.0	0.0	-	-
LAB*TC _{Ma}	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	-	-
lab*tch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	-	-
lab*tce	0.0	0.0	-	-	-
lab*nce	0.0	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	-	-
LAB*LABa	74.31	0.0	0.0	-	-
LAB*TC _{Ma}	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	-	-
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	-	-
lab*tce	0.25	0.0	-	-	-
lab*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	-	-
LAB*LABa	53.21	0.0	0.0	-	-
LAB*TC _{Ma}	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	-	-
lab*tch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	-	-
lab*tce	0.5	0.0	-	-	-
lab*nce	0.5	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0	-	-
LAB*LABa	32.11	0.0	0.0	-	-
LAB*TC _{Ma}	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	-	-
lab*tch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	-	-
lab*tce	0.25	0.0	-	-	-
lab*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0	-	-
LAB*LABa	11.01	0.0	0.0	-	-
LAB*TC _{Ma}	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	-	-
lab*tce	0.0	0.0	-	-	-
lab*nce	1.0	0.0	-	-	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	0.5	1.0	1.0
cmyn3*	0.0	0.5	0.5	0.0	0.0
olvi4*	1.0	0.25	0.25	1.0	1.0
cmyn4*	0.0	0.5	0.5	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	71.27	42.34	18.63	-	-
LAB*LABa	71.27	42.31	18.62	-	-
LAB*TC _{Ma}	75.0	46.23	23.75	-	-
relative CIELAB lab*					
lab*lab	0.714	0.458	0.201	-	-
lab*tch	0.75	0.5	0.066	-	-
lab*nch	0.0	0.5	0.066	-	-
relative Natural Colour (NC)					
lab*trj	0.714	0.5	0.011	-	-
lab*tce	0.25	0.5	0.996	-	-
lab*nce	0.0	0.5	0.996	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	0.75	0.75
cmyn3*	0.25	0.5	0.5	0.25	0.25
olvi4*	1.0	0.5	0.5	0.75	0.75
cmyn4*	0.0	0.5	0.5	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	50.17	42.37	18.64	-	-
LAB*LABa	50.17	42.32	18.63	-	-
LAB*TC _{Ma}	50.0	46.24	23.75	-	-
relative CIELAB lab*					
lab*lab	0.464	0.458	0.201	-	-
lab*tch	0.5	0.5	0.066	-	-
lab*nch	0.25	0.5	0.066	-	-
relative Natural Colour (NC)					
lab*trj	0.464	0.5	0.011	-	-
lab*tce	0.5	0.5	0.996	-	-
lab*nce	0.25	0.5	0.996	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	0.5	0.5
cmyn3*	0.5	0.25	0.25	0.5	0.5
olvi4*	1.0	0.25	0.25	0.5	0.5
cmyn4*	0.0	0.25	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0	-	-
LAB*LABa	32.11	0.0	0.0	-	-
LAB*TC _{Ma}	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.25	0.25	-	-
lab*tch	0.5	0.25	0.25	-	-
lab*nch	0.5	0.25	0.25	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.25	0.25	-	-
lab*tce	0.5	0.25	0.25	-	-
lab*nce	0.5	0.25	0.25	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	0.25	0.25	0.25	0.25
cmyn4*	0.0	0.25	0.25	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0	-	-
LAB*LABa	11.01	0.0	0.0	-	-
LAB*TC _{Ma}	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.25	0.25	-	-
lab*tch	0.25	0.25	0.25	-	-

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

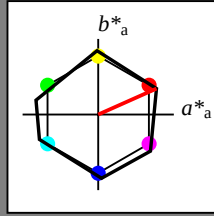
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

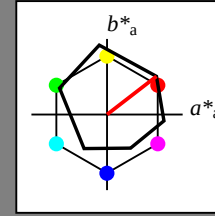
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

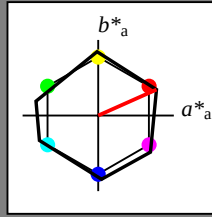
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

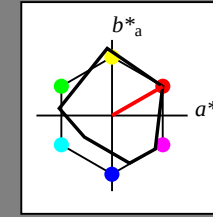
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

$n^* = 1,0$

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*LABa = 76.06$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*LABa = 56.71$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*LABa = 37.36$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*LABa = 18.02$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

$n^* = 0,00$

blackness n^*

$n^* = 0,25$

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

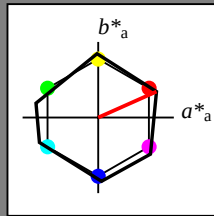
1,00

0,25

0,50

0,75

1,00



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

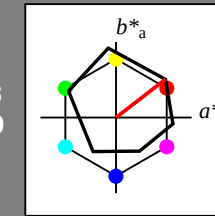
1,00

0,25

0,50

0,75

1,00



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

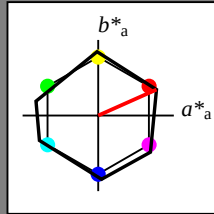
0,25

0,50

0,75

1,00

chromaticness c^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

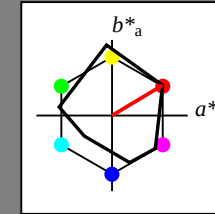
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

5 step scales for constant CIELAB hue 31/360 = 0.086 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

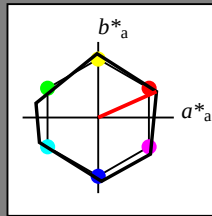
D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*ch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*ch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*ch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01	-	-
LAB*LABa	37.37	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02	-	-
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

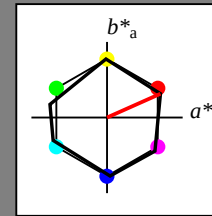
D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	0.75	0.75
cmyn3*	0.0	0.25	0.25	0.25	0.25
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	85.73	17.68	7.86	-	-
LAB*LABa	85.73	17.66	7.86	-	-
LAB*TC _{Ha}	87.5	19.33	24.01	-	-
relative CIELAB lab*					
lab*lab	0.875	0.228	0.102	-	-
lab*ch	0.875	0.25	0.067	-	-
lab*nch	0.0	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.875	0.25	0.067	-	-
lab*nce	0.0	0.25	0.067	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	0.5	0.5
cmyn3*	0.25	0.5	0.5	0.5	0.5
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	66.38	17.71	7.88	-	-
LAB*LABa	66.38	17.66	7.87	-	-
LAB*TC _{Ha}	62.5	19.34	24.01	-	-
relative CIELAB lab*					
lab*lab	0.625	0.228	0.102	-	-
lab*ch	0.625	0.25	0.067	-	-
lab*nch	0.25	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.625	0.25	0.067	-	-
lab*nce	0.25	0.25	0.067	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	0.25	0.25
cmyn3*	0.5	0.25	0.25	0.25	0.25
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	56.7	35.38	15.75	-	-
LAB*LABa	56.7	35.33	15.73	-	-
LAB*TC _{Ha}	50.0	38.67	24.01	-	-
relative CIELAB lab*					
lab*lab	0.5	0.457	0.203	-	-
lab*ch	0.5	0.5	0.067	-	-
lab*nch	0.25	0.5	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.067	-	-
lab*nce	0.25	0.5	0.067	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	0.0	0.0
cmyn3*	0.75	1.0	1.0	1.0	1.0
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	27.69	17.66	7.86	-	-
LAB*LABa	27.69	17.66	7.86	-	-
LAB*TC _{Ha}	12.5	19.33	24.01	-	-
relative CIELAB lab*					
lab*lab	0.125	0.228	0.102	-	-
lab*ch	0.125	0.25	0.067	-	-
lab*nch	0.75	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.125	0.25	0.067	-	-
lab*nce	0.75	0.25	0.067	-	-

0,25
for constant CIELAB L

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

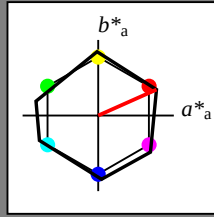
0,25

0,50

0,75

1,00

chromaticness c^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

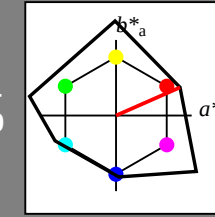
0,25

0,50

0,75

1,00

chromaticness c^*



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

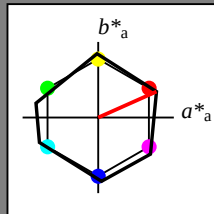
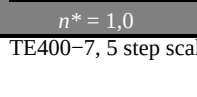
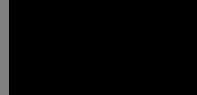
D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

lab^*tch and lab^*nch

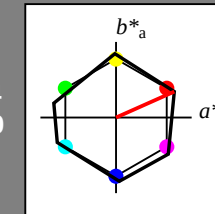
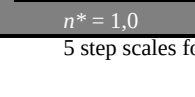
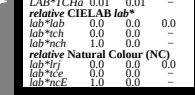
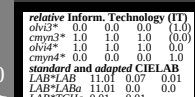
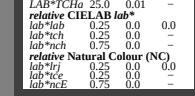
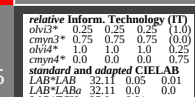
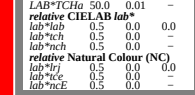
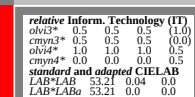
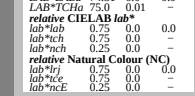
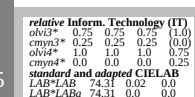
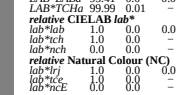
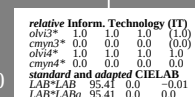
D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$

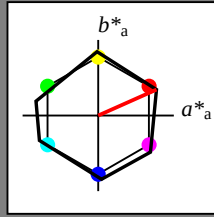
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

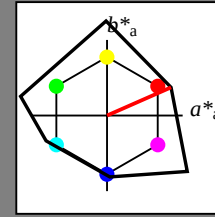
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01	-	-
LAB*LABa	95.41	0.0	0.0	-	-
LAB*TCRa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	-	-
lab*tch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	-	-
lab*tce	0.0	0.0	-	-	-
lab*nce	0.0	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	-	-
LAB*LABa	74.31	0.0	0.0	-	-
LAB*TCRa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	-	-
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	-	-
lab*tce	0.25	0.0	-	-	-
lab*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	-	-
LAB*LABa	53.21	0.0	0.0	-	-
LAB*TCRa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	-	-
lab*tch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	-	-
lab*tce	0.5	0.0	-	-	-
lab*nce	0.5	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01	-	-
LAB*LABa	32.11	0.0	0.0	-	-
LAB*TCRa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	-	-
lab*tch	0.25	0.0	-	-	-
lab*nch	0.75	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	-	-
lab*tce	0.25	0.0	-	-	-
lab*nce	0.75	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	-	-
LAB*LABa	11.01	0.0	0.0	-	-
LAB*TCRa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	-	-
lab*tce	0.0	0.0	-	-	-
lab*nce	1.0	0.0	-	-	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	0.75	0.75
cmyn3*	0.0	0.25	0.25	0.25	0.25
olvi4*	1.0	0.75	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	83.34	21.17	9.31	-	-
LAB*LABa	83.34	21.15	9.31	-	-
LAB*TCRa	87.5	23.11	23.75	-	-
relative CIELAB lab*					
lab*lab	0.857	0.229	0.101	-	-
lab*tch	0.875	0.25	0.066	-	-
lab*nch	0.0	0.25	0.066	-	-
relative Natural Colour (NC)					
lab*trj	0.857	0.25	-0.005	-	-
lab*tce	0.875	0.25	0.996	-	-
lab*nce	0.0	0.25	0.996	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	0.5	0.5
cmyn3*	0.25	0.5	0.5	0.5	0.5
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	62.24	21.2	9.32	-	-
LAB*LABa	62.24	21.16	9.31	-	-
LAB*TCRa	62.5	23.12	23.75	-	-
relative CIELAB lab*					
lab*lab	0.607	0.229	0.101	-	-
lab*tch	0.625	0.25	0.066	-	-
lab*nch	0.25	0.25	0.066	-	-
relative Natural Colour (NC)					
lab*trj	0.607	0.25	-0.005	-	-
lab*tce	0.625	0.25	0.996	-	-
lab*nce	0.25	0.25	0.996	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	0.25	0.25
cmyn3*	0.5	0.25	0.25	0.25	0.25
olvi4*	1.0	0.75	0.75	0.5	0.5
cmyn4*	0.0	0.25	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	50.17	42.37	18.64	-	-
LAB*LABa	50.17	42.32	18.63	-	-
LAB*TCRa	50.0	46.24	23.75	-	-
relative CIELAB lab*					
lab*lab	0.464	0.458	0.201	-	-
lab*tch	0.464	0.5	0.066	-	-
lab*nch	0.25	0.5	0.066	-	-
relative Natural Colour (NC)					
lab*trj	0.464	0.5	-0.011	-	-
lab*tce	0.464	0.5	0.996	-	-
lab*nce	0.25	0.5	0.996	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	0.0	0.0
cmyn3*	0.75	1.0	1.0	1.0	1.0
olvi4*	1.0	0.75	0.75	0.25	0.25
cmyn4*	0.0	0.25	0.25	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	20.04	21.22	9.33		
LAB*LABa	20.04	21.15	9.31		
LAB*TCRa	12.5	23.11	23.75		
relative CIELAB lab*					
lab*lab	0.107	0.229	0.101		
lab*tch	0.125	0.25	0.066		
lab*nch	0.75	0.25	0.066		
relative Natural Colour (NC)					
lab*tce	0.125	0.25	0.996	-0.005	
lab*nCE	0.75	0.25	0.998		

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

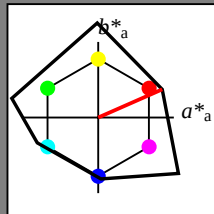
LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

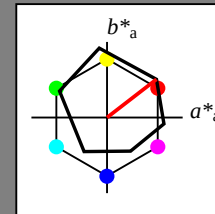
LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ha}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TC _{Ha}	75.01	-			
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.997	0.298	0.075		
lab*nce	0.75	0.25	0.048		
lab*nce	0.25	0.25	(19)		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TC _{Ha}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TC _{Ha}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TC _{Ha}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.54	15.58	16.58		
LAB*LABa	83.54	16.34	12.62		
LAB*TC _{Ha}	87.5	20.65	37.7		
relative CIELAB lab*					
lab*lab	0.847	0.198	0.153		
lab*lab	0.875	0.25	0.105		
lab*nch	0.0	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.847	0.298	0.075		
lab*nce	0.75	0.25	0.048		
lab*nce	0.0	0.25	(19)		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.19	15.36	15.28		
LAB*LABa	64.19	16.34	12.63		
LAB*TC _{Ha}	62.5	20.65	37.7		
relative CIELAB lab*					
lab*lab	0.597	0.198	0.153		
lab*lab	0.625	0.25	0.105		
lab*nch	0.25	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.597	0.298	0.075		
lab*nce	0.625	0.25	0.048		
lab*nce	0.25	0.25	(19)		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	52.33	32.53	27.11		
LAB*LABa	52.33	32.69	25.26		
LAB*TC _{Ha}	50.0	41.3	37.7		
relative CIELAB lab*					
lab*lab	0.443	0.396	0.306		
lab*lab	0.443	0.396	0.306		
lab*nch	0.25	0.5	0.105		
relative Natural Colour (NC)					
lab*trj	0.443	0.477	0.15		
lab*nce	0.5	0.25	0.048		
lab*nce	0.25	0.5	(19)		

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	0.25
cmyn4*	0.0	0.25	0.25	0.75
standard and adapted CIELAB				
LAB*LAB	25.5	16.7	12.67	
LAB*LABa	25.5	16.4	12.67	
LAB*TC _{Ha}	12.5	20.65	37.7	
relative CIELAB lab*				
lab*lab	0.097	0.198	0.153	
lab*lab	0.125	0.25	0.105	
lab*nch	0.75	0.25	0.105	
relative Natural Colour (NC)				
lab*trj	0.097	0.238	0.075	
lab*trj	0.125	0.25	0.048	
lab*nCE	0.75	0.25	r191	

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

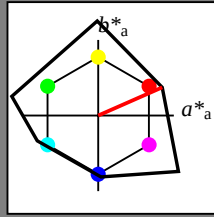
0,25

0,50

0,75

1,00

chromaticness c^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

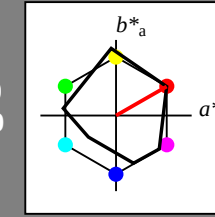
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

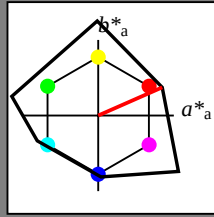
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 38/360 = 0.105$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

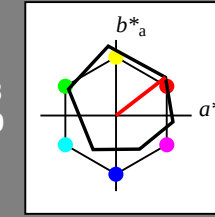
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

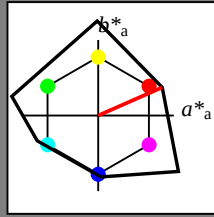
0,25

0,50

0,75

1,00

chromaticness c^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

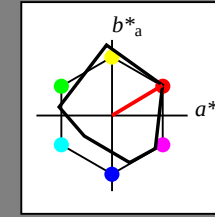
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

5 step scales for constant CIELAB hue 31/360 = 0.086 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

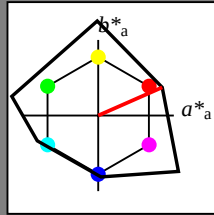
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 24/360 = 0.067$

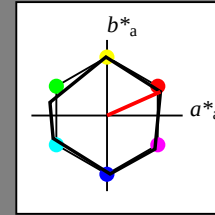
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	56.7	0.0	0.0	0.0	0.0
LAB*LABa	56.7	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01	0.0	0.0
LAB*LABa	37.37	0.07	0.01	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02	0.0	0.0
LAB*LABa	18.02	0.09	0.02	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	0.5	0.5	0.5
cmyn3*	0.0	0.5	0.5	0.5	0.5
olvi4*	1.0	0.5	0.5	0.5	0.5
cmyn4*	0.0	0.5	0.5	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	76.05	35.35	15.74	0.0	0.0
LAB*LABa	76.05	35.32	15.73	0.0	0.0
LAB*TCHa	75.0	38.67	24.01	0.0	0.0
relative CIELAB lab*					
lab*lab	0.75	0.457	0.203	0.0	0.0
lab*tch	0.75	0.457	0.203	0.0	0.0
lab*nch	0.0	0.5	0.5	0.5	0.5
relative Natural Colour (NC)					
lab*trj	0.75	0.457	0.203	0.0	0.0
lab*tce	0.25	0.5	0.5	0.5	0.5
lab*nce	0.25	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)					
olvi3*	0.75	0.25	0.25	0.25	0.25
cmyn3*	0.0	0.75	0.75	0.75	0.75
olvi4*	1.0	0.25	0.25	0.25	0.25
cmyn4*	0.0	0.75	0.75	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	66.27	53.03	23.61	0.0	0.0
LAB*LABa	66.27	52.98	23.6	0.0	0.0
LAB*TCHa	62.5	58.0	24.01	0.0	0.0
relative CIELAB lab*					
lab*lab	0.625	0.685	0.305	0.0	0.0
lab*tch	0.625	0.685	0.305	0.0	0.0
lab*nch	0.0	0.75	0.75	0.75	0.75
relative Natural Colour (NC)					
lab*trj	0.625	0.685	0.305	0.0	0.0
lab*tce	0.25	0.75	0.75	0.75	0.75
lab*nce	0.25	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	0.5	0.5	0.5	0.5
cmyn4*	0.0	0.5	0.5	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	56.7	35.38	15.75	0.0	0.0
LAB*LABa	56.7	35.33	15.73	0.0	0.0
LAB*TCHa	50.0	38.67	24.01	0.0	0.0
relative CIELAB lab*					
lab*lab	0.5	0.457	0.203	0.0	0.0
lab*tch	0.5	0.457	0.203	0.0	0.0
lab*nch	0.5	0.5	0.5	0.5	0.5
relative Natural Colour (NC)					
lab*trj	0.5	0.457	0.203	0.0	0.0
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5

5	1,00
chromaticness c	

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

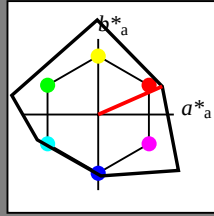
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 24/360 = 0.066$

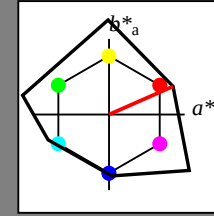
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

LAB*LAB	95.41	0.0	-0.01
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0
LAB*LABc	76.07	0.0	0.0

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0
LAB*LABc	56.72	0.0	0.0

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

olvi3*	0.25	0.25	0.25
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0
LAB*LABc	37.37	0.0	0.0

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

olvi3*	1.0	0.75	0.75
cmyn3*	0.0	0.25	0.25
olvi4*	1.0	0.75	0.75
cmyn4*	0.0	0.25	0.25

LAB*LAB	83.34	21.17	9.31
LAB*LABa	83.34	21.15	9.31
LAB*LABb	83.34	21.15	9.31
LAB*LABc	83.34	21.15	9.31

lab*lab	0.844	0.229	0.101
lab*tch	0.875	0.25	0.066
lab*nch	0.0	0.25	0.066
lab*trj	0.844	0.25	0.066
lab*tce	0.875	0.25	0.066
lab*nce	0.0	0.25	0.066

olvi3*	0.75	0.5	0.5
cmyn3*	0.25	0.5	0.5
olvi4*	1.0	0.5	0.5
cmyn4*	0.0	0.5	0.5

LAB*LAB	63.99	21.2	9.32
LAB*LABa	63.99	21.16	9.31
LAB*LABb	63.99	21.16	9.31
LAB*LABc	63.99	21.16	9.31

lab*lab	0.594	0.229	0.101
lab*tch	0.625	0.25	0.066
lab*nch	0.25	0.25	0.066
lab*trj	0.594	0.25	0.066
lab*tce	0.625	0.25	0.066
lab*nce	0.25	0.25	0.066

olvi3*	0.5	0.25	0.25
cmyn3*	0.5	0.25	0.25
olvi4*	1.0	0.25	0.25
cmyn4*	0.0	0.25	0.25

LAB*LAB	44.64	21.22	9.33
LAB*LABa	44.64	21.16	9.31
LAB*LABb	44.64	21.16	9.31
LAB*LABc	44.64	21.16	9.31

lab*lab	0.344	0.229	0.101
lab*tch	0.375	0.25	0.066
lab*nch	0.5	0.25	0.066
lab*trj	0.344	0.25	0.066
lab*tce	0.375	0.25	0.066
lab*nce	0.5	0.25	0.066

olvi3*	0.25	0.0	0.0
cmyn3*	0.25	0.0	0.0
olvi4*	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0

LAB*LAB	25.3	21.24	9.33
LAB*LABa	25.3	21.15	9.31
LAB*LABb	25.3	21.15	9.31
LAB*LABc	25.3	21.15	9.31

lab*lab	0.094	0.229	0.101
lab*tch	0.125	0.25	0.066
lab*nch	0.75	0.25	0.066
lab*trj	0.094	0.25	0.066
lab*tce	0.125	0.25	0.066
lab*nce	0.75	0.25	0.066

olvi3*	1.0	0.5	0.5
cmyn3*	0.0	0.5	0.5
olvi4*	1.0	0.5	0.5
cmyn4*	0.0	0.5	0.5

LAB*LAB	71.27	42.34	18.63
LAB*LABa	71.27	42.31	18.62
LAB*LABb	71.27	42.31	18.62
LAB*LABc	71.27	42.31	18.62

lab*lab	0.688	0.458	0.201
lab*tch	0.75	0.5	0.066
lab*nch	0.0	0.5	0.066
lab*trj	0.688	0.5	0.066
lab*tce	0.75	0.5	0.066
lab*nce	0.0	0.5	0.066

olvi3*	0.75	0.25	0.25
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	0.25	0.25
cmyn4*	0.0	0.25	0.25

LAB*LAB	51.93	42.37	18.64
LAB*LABa	51.93	42.31	18.62
LAB*LABb	51.93	42.31	18.62
LAB*LABc	51.93	42.31	18.62

lab*lab	0.438	0.458	0.201
lab*tch	0.5	0.5	0.066
lab*nch	0.25	0.5	0.066
lab*trj	0.438	0.5	0.066
lab*tce	0.5	0.5	0.066
lab*nce	0.25	0.5	0.066

olvi3*	0.5	0.0	0.0
cmyn3*	0.5	0.0	0.0
olvi4*	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0

LAB*LAB	32.58	42.39	18.64
LAB*LABa	32.58	42.31	18.62
LAB*LABb	32.58	42.31	18.62
LAB*LABc	32.58	42.31	18.62

lab*lab	0.188	0.458	0.201
lab*tch	0.25	0.5	0.066
lab*nch	0.5	0.5	0.066
lab*trj	0.188	0.5	0.066
lab*tce	0.25	0.5	0.066
lab*nce	0.5	0.5	0.066

olvi3*	0.25	0.0	0.0
cmyn3*	0.25	0.0	0.0
olvi4*	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1$

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

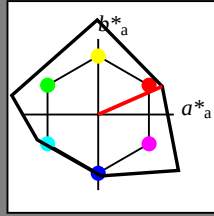
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

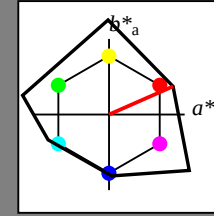
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	-0.01	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

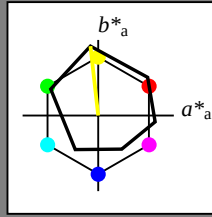
LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

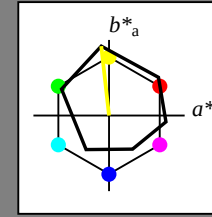
LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

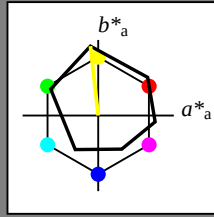
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

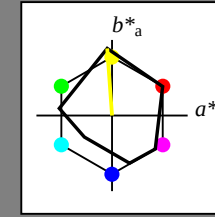
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

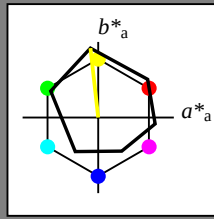
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

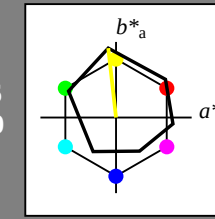
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

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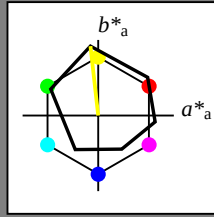
$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

%Regularity
 $g^*_{H,rel} = 57$
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%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

$u^*_{rel} = 92$

$u^*_{rel} = 92$

$u^*_{rel} = 92$

$u^*_{rel} = 92$

$u^*_{rel} = 92$

$u^*_{rel} = 92$

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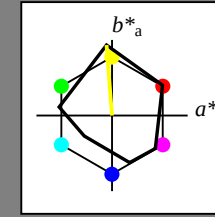
$u^*_{rel} = 92$

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$u^*_{rel} = 92$

$u^*_{rel} = 92$



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

%Regularity
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

%Regularity
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 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

%Regularity
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 94/360 = 0.262 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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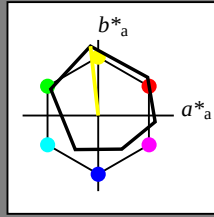
0,00

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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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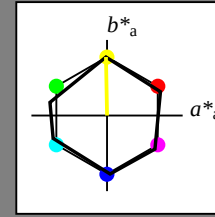
0,00

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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

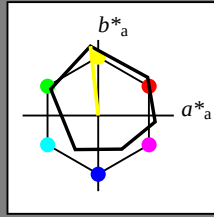
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

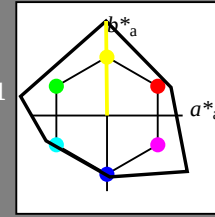
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

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0,50

0,75

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

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blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

0,50

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triangle lightness

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0,00

blackness n^*

chromaticness c^*

0,25

0,50

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triangle lightness

1,00

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

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blackness n^*

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blackness n^*

chromaticness c^*

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triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

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0,75

1,00

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Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,$

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

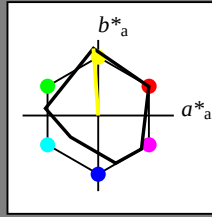
LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.261 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

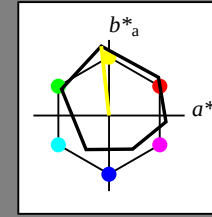
LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	0.25	
cmyn4*	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	0.25	
cmyn4*	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB*LAB	36.1	2.4	23.69		
LAB*LABa	36.1	-2.56	22.93		
LAB*TCRa	12.5	23.08	96.39		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

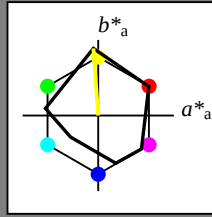
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

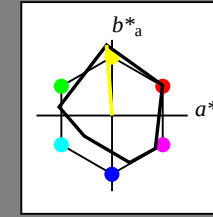
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.261 (left)

5 step scales for constant CIELAB hue 94/360 = 0.262 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

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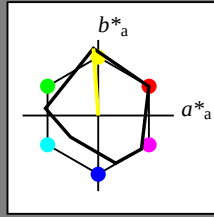
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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.261 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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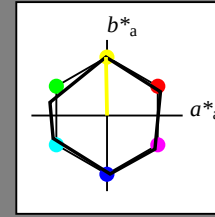
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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

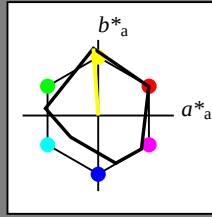
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.261 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

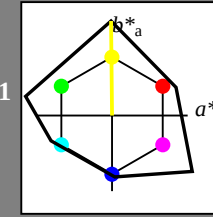
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

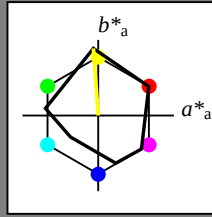
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

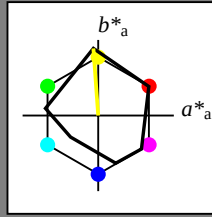
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.261 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

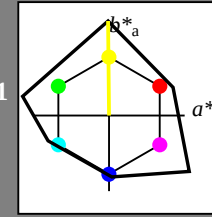
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

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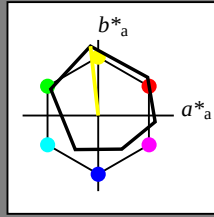
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

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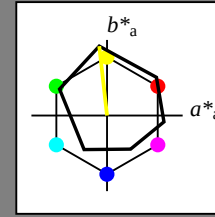
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

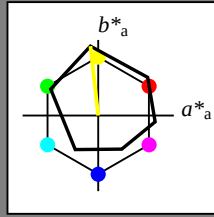
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

1,00

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

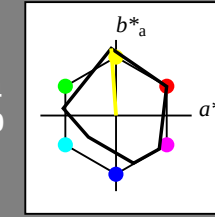
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

1,00

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 93$

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

↑

% Gamut

$u^*_{rel} = 93$

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

↑

% Gamut

$u^*_{rel} = 93$

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

↑

% Gamut

$u^*_{rel} = 93$

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

↑

% Gamut

$u^*_{rel} = 93$

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

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0,75

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↑

% Gamut

$u^*_{rel} = 93$

0,75

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blackness n^*

chromaticness c^*

0,25

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% Gamut

$u^*_{rel} = 93$

0,75

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

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$u^*_{rel} = 93$

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blackness n^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

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% Gamut

$u^*_{rel} = 93$

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blackness n^*

chromaticness c^*

0,25

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0,75

1,00

↑

% Gamut

$u^*_{rel} = 93$

0,75

0,50

0,25

0,00

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

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1,00

chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

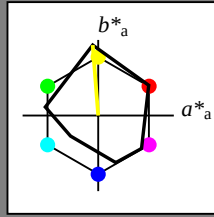
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.262 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

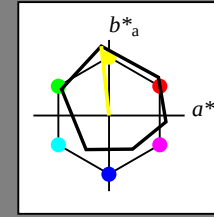
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

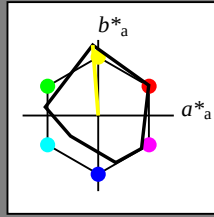
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

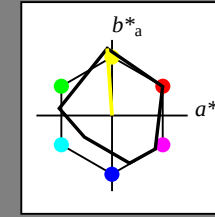
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.262 (left)

5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

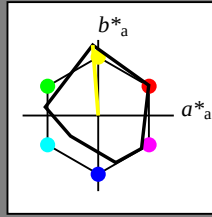
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.262 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

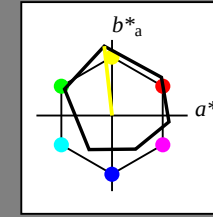
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

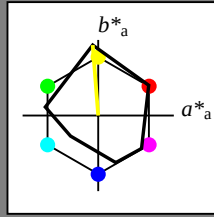
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

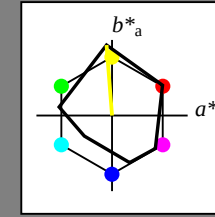
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.262 (left)

5 step scales for constant CIELAB hue 94/360 = 0.262 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

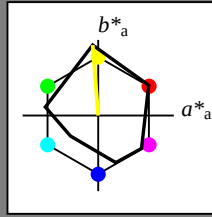
D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)
 cmy3* 0.0 0.0 0.0 (0.0)
 olvi4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 95.41 0.0 0.0
 LAB*LABa 95.41 0.0 0.0
 LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)
 cmy3* 0.25 0.25 0.25 (0.0)
 olvi4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 76.07 0.0 0.0
 LAB*LABa 76.07 0.0 0.0
 LAB*TCRa 75.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)
 cmy3* 0.5 0.5 0.5 (0.0)
 olvi4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.72 0.0 0.0
 LAB*LABa 56.72 0.0 0.0
 LAB*TCRa 50.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)
 cmy3* 0.75 0.75 0.75 (0.0)
 olvi4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 37.37 0.0 0.0
 LAB*LABa 37.37 0.0 0.0
 LAB*TCRa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
 cmy3* 1.0 1.0 1.0 (0.0)
 olvi4* 1.0 1.0 1.0 (0.0)
 cmy4* 0.0 0.0 0.0 (1.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.0 0.0
 LAB*LABa 18.02 0.0 0.0
 LAB*TCRa 0.01 0.01 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
 cmy3* 1.0 1.0 1.0 (0.0)
 olvi4* 1.0 1.0 1.0 (0.0)
 cmy4* 0.0 0.0 0.0 (1.0)
 standard and adapted CIELAB
 LAB*LAB 0.0 0.0 0.0
 LAB*LABa 0.0 0.0 0.0
 LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
 cmy3* 1.0 1.0 1.0 (0.0)
 olvi4* 1.0 1.0 1.0 (0.0)
 cmy4* 0.0 0.0 0.0 (1.0)
 standard and adapted CIELAB
 LAB*LAB 0.0 0.0 0.0
 LAB*LABa 0.0 0.0 0.0
 LAB*TCRa 0.0 0.0 0.0

$n^* = 1,0$

chromaticness c^*

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blackness n^*

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blackness n^*

$n^* = 0,25$

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

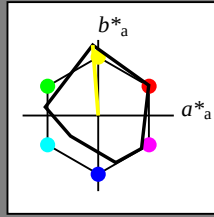
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

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Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

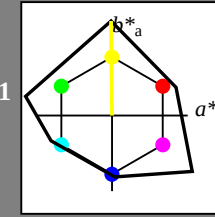
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

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% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

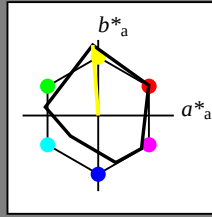
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 94/360 = 0.262 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

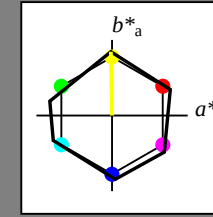
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

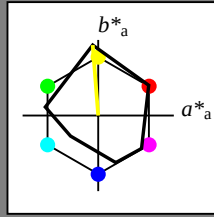
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

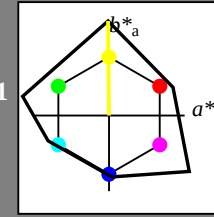
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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0,00

0,00

0,00

0,00

0,00

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

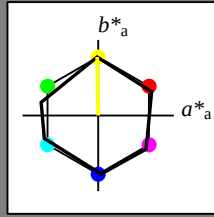
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

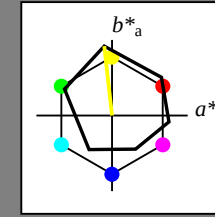
relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

0,00

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 100$

1,00

↑

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

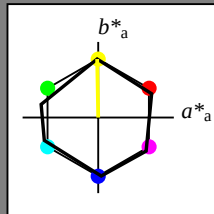
$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

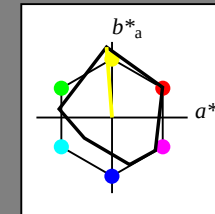
$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Regularity

$g^*_{H,rel} = 42$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

5 step scales for constant CIELAB hue 94/360 = 0.262 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

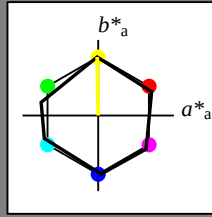
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

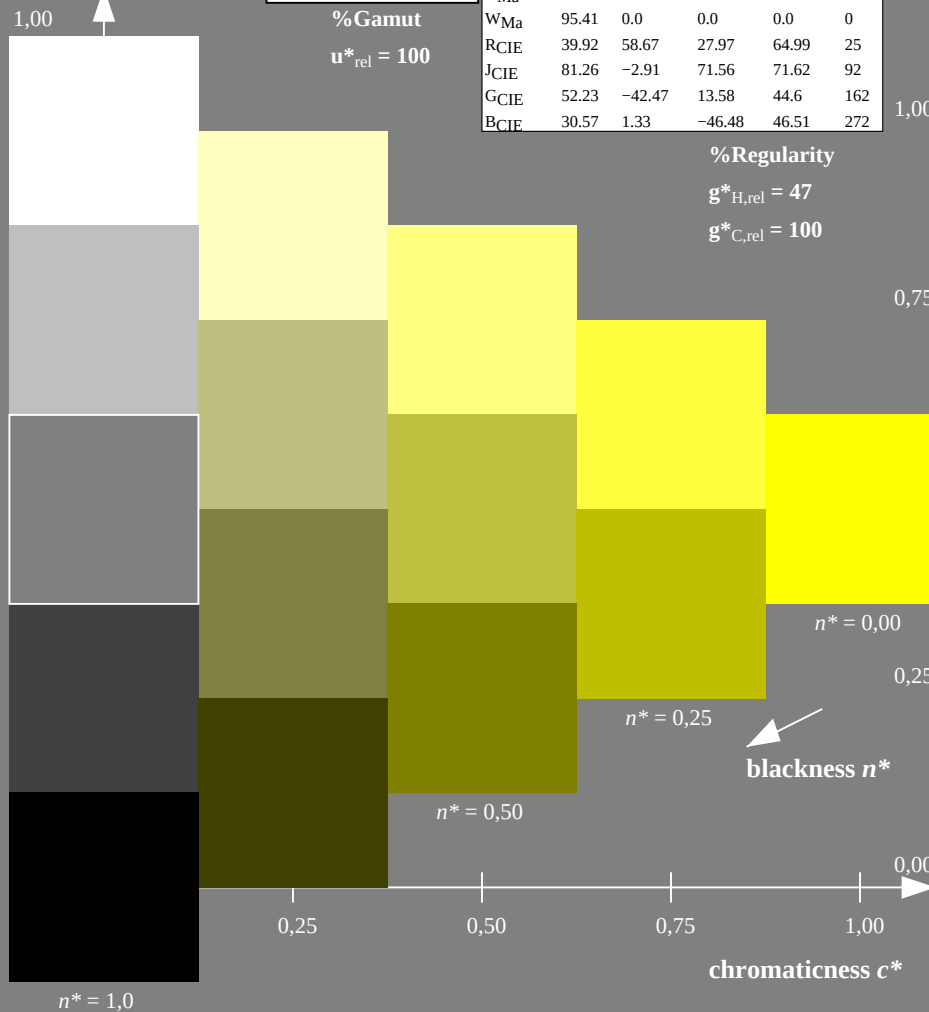


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

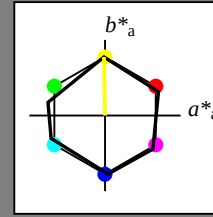
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

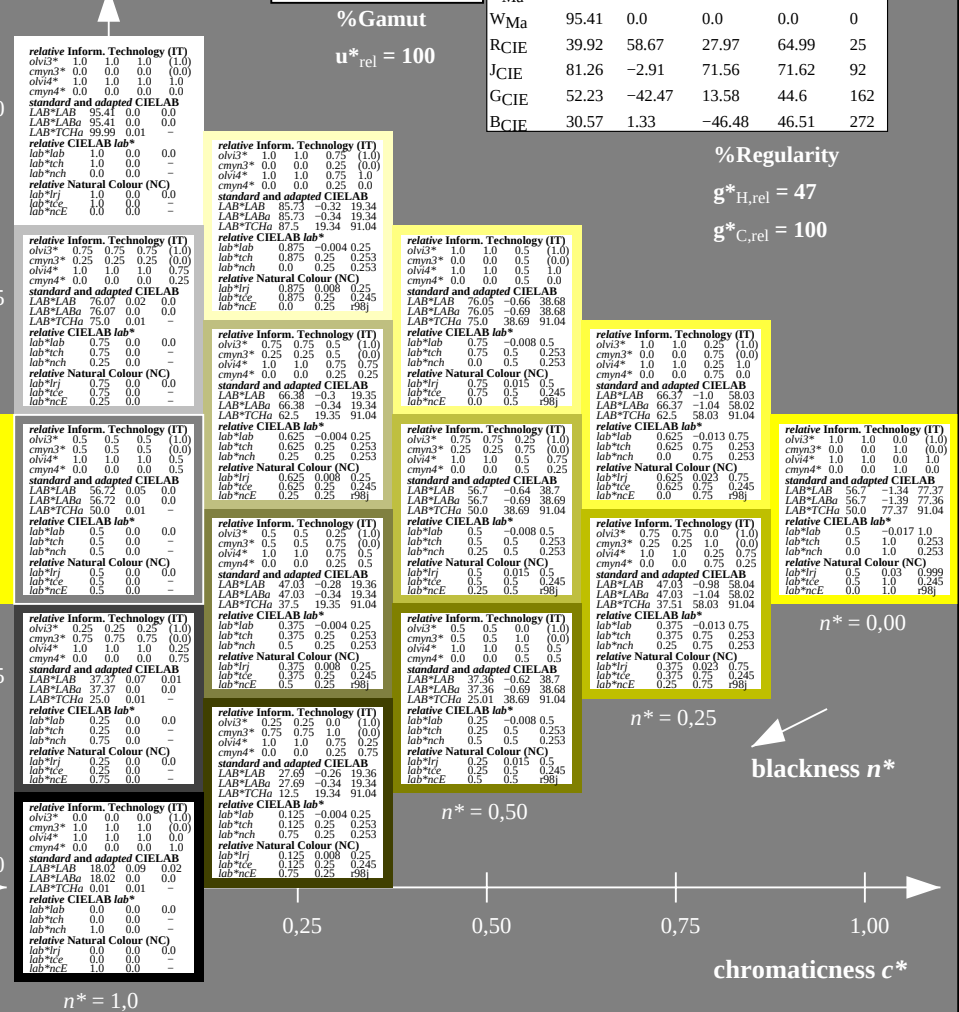


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

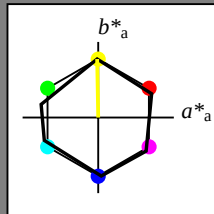
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

0,00

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

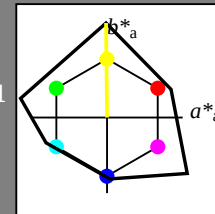
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	-0.01	
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	(0.5)
cmyn4*	0.0	0.0	0.0	0.25	(0.25)
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*TCHa	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	(0.5)
cmyn4*	0.0	0.0	0.0	0.25	(0.25)
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCHa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	0.25	(0.25)
cmyn4*	0.0	0.0	0.0	0.5	(0.5)
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*TCHa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(1.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.0	0.0		
LAB*LABa	18.02	0.0	0.0		
LAB*TCHa	0.01	0.01	-		

LAB*LAB	18.02	0.09	0.02
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	—
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	—
lab*nch	1.0	0.0	—
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

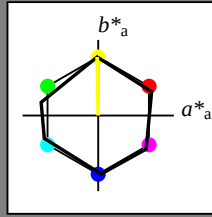
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

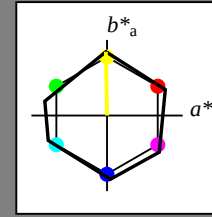
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

0,50

0,25

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NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

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Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

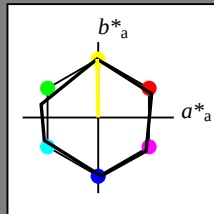
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

0,00

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

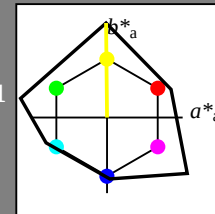
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	(0.0)
cmyn4*	0.0	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TCHa	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	(0.0)
cmyn4*	0.0	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TCHa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	0.25	(0.0)
cmyn4*	0.0	0.0	0.0	0.75	(0.0)
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*TCHa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*TCHa	0.01	0.01	-		

LAB*LAB	11.01	0.07	0.01
LAB*LABa	11.01	0.0	0.0
LAB*TCHa	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

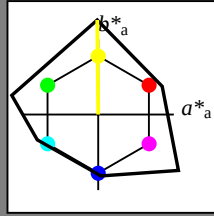
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

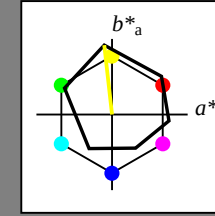
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

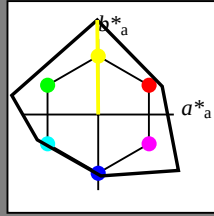
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

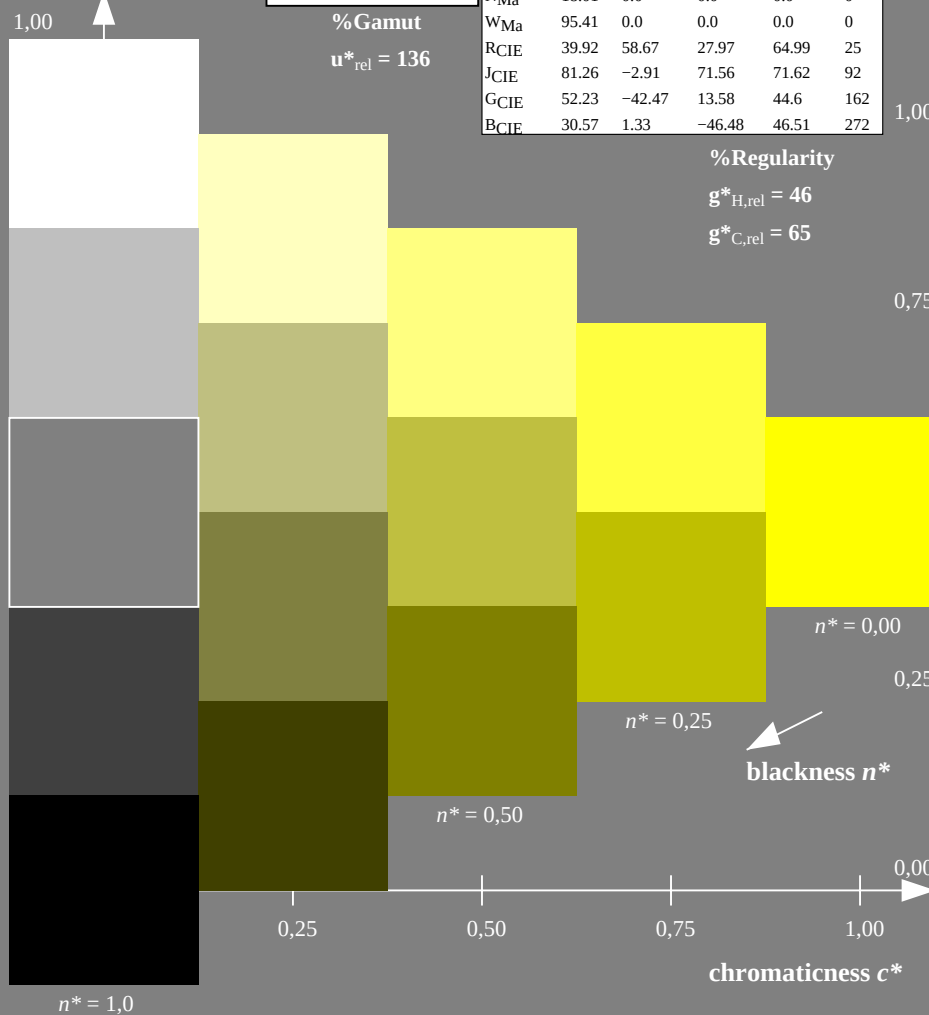
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

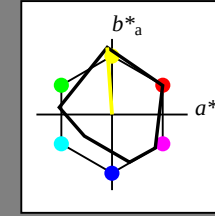
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

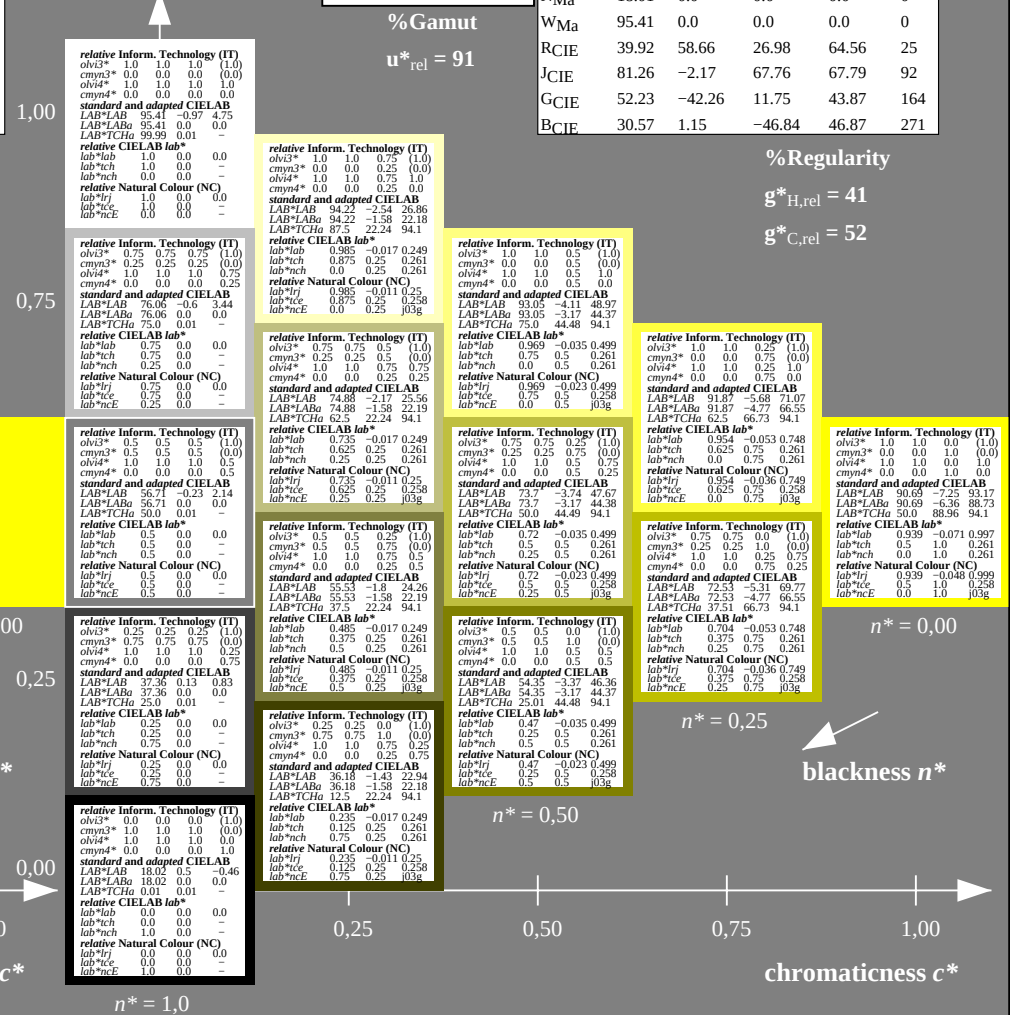
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$



5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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relative Inform. Technology (IT)

relative Inform. Technology (IT)

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

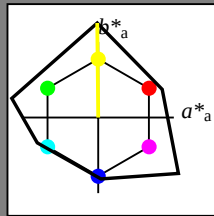
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

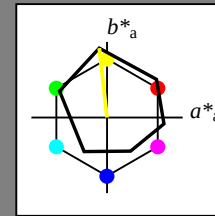
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

TRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

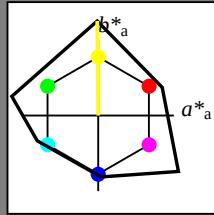
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

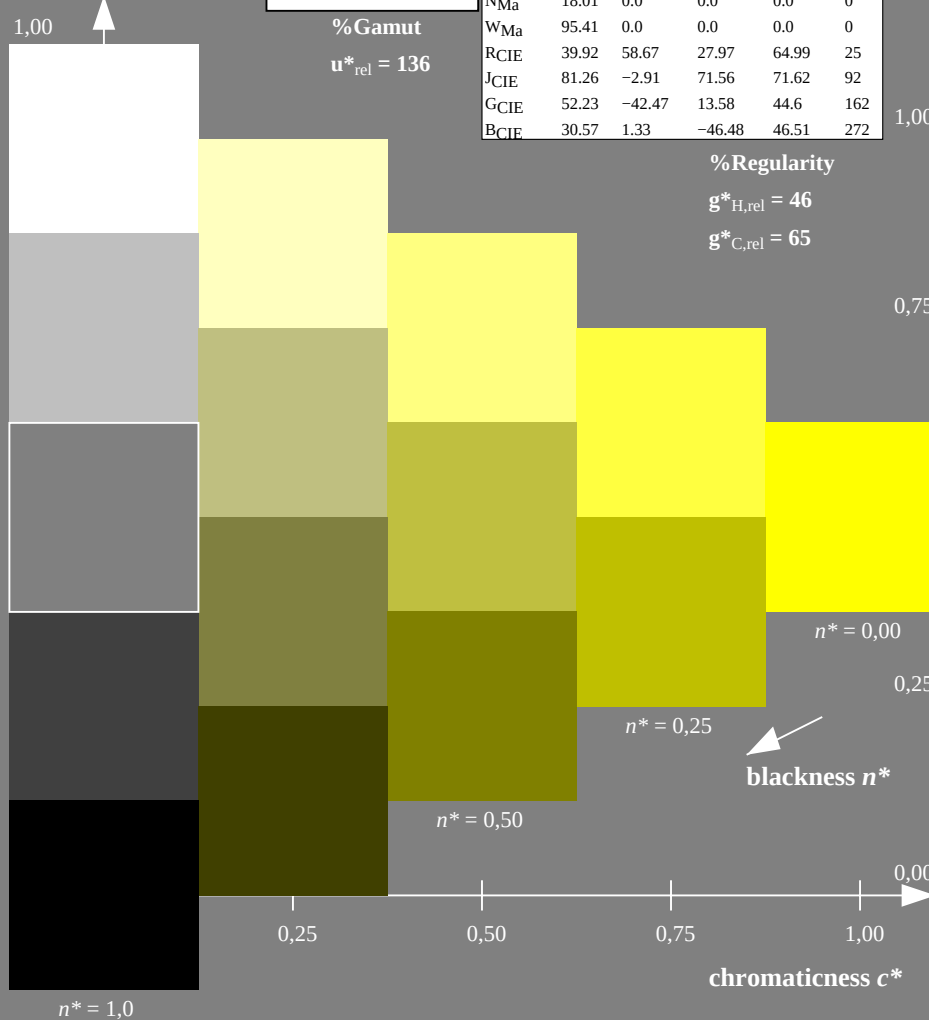
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

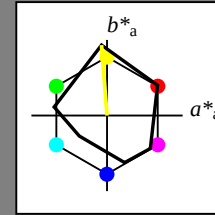
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

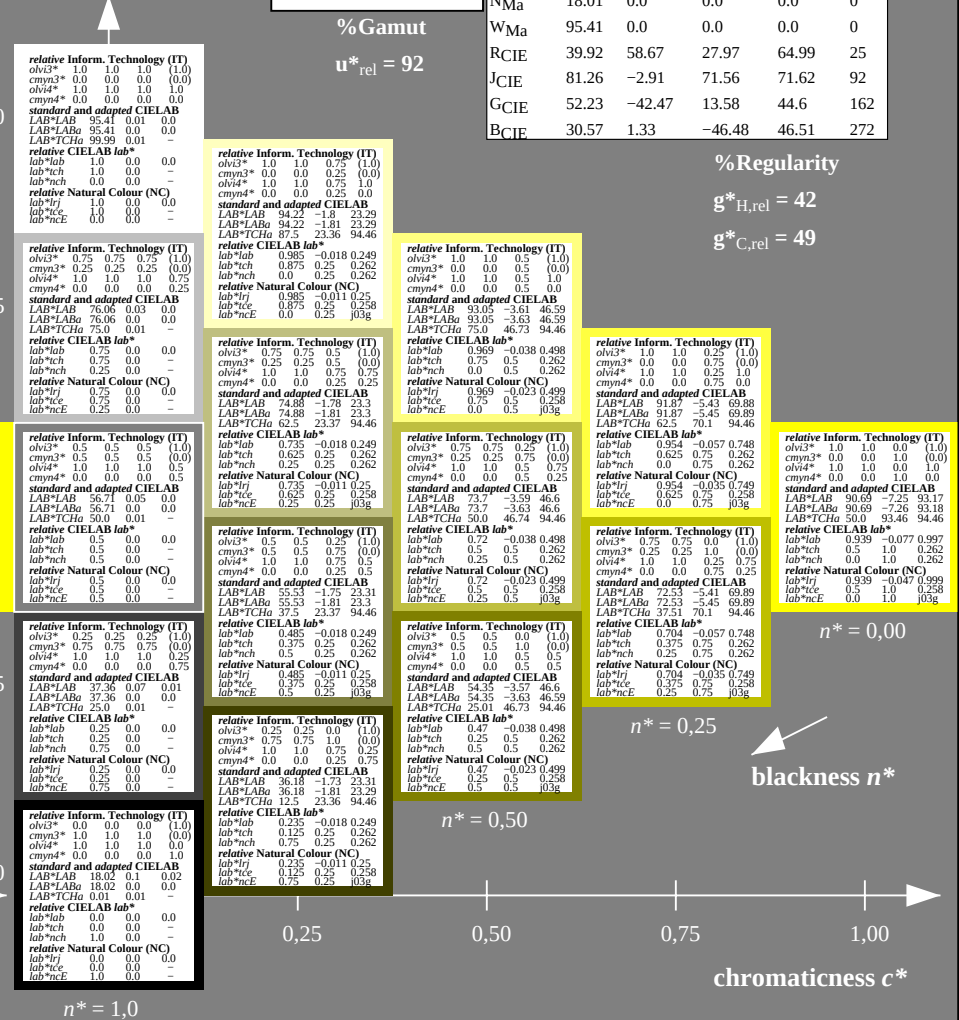
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



5 step scales for constant CIELAB hue 94/360 = 0.262 (right)

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	37.36	0.07	0.01	0.01	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.1	0.02	0.02	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.75	1.0	(1.0)
cmyn3*	0.0	0.0	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	94.22	1.8	23.29	1.8	23.29
LAB*LABa	94.22	-1.81	23.29	-1.81	23.29
LAB*TCHa	87.5	3.36	94.46	3.36	94.46
relative CIELAB lab*					
lab*lab	0.985	-0.018	0.249	-0.018	0.249
lab*tch	0.875	0.0	0.262	0.0	0.262
lab*nch	0.0	0.25	0.262	0.25	0.262
relative Natural Colour (NC)					
lab*trj	0.985	0.011	0.25	0.011	0.25
lab*tce	0.875	0.0	0.258	0.0	0.258
lab*nce	0.0	0.25	0.038	0.25	0.038

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.25	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	74.88	1.79	23.3	1.79	23.3
LAB*LABa	74.88	-1.81	23.3	-1.81	23.3
LAB*TCHa	62.5	23.37	94.46	23.37	94.46
relative CIELAB lab*					
lab*lab	0.735	-0.018	0.249	-0.018	0.249
lab*tch	0.625	0.25	0.262	0.25	0.262
lab*nch	0.25	0.25	0.262	0.25	0.262
relative Natural Colour (NC)					
lab*trj	0.735	0.011	0.25	0.011	0.25
lab*tce	0.625	0.25	0.258	0.25	0.258
lab*nce	0.25	0.25	0.038	0.25	0.038

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.5	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	73.7	-3.59	46.6	-3.59	46.6
LAB*LABa	73.7	-3.63	46.6	-3.63	46.6
LAB*TCHa	50.0	46.74	94.46	46.74	94.46
relative CIELAB lab*					
lab*lab	0.72	-0.038	0.498	-0.038	0.498
lab*tch	0.625	0.25	0.262	0.25	0.262
lab*nch	0.25	0.25	0.262	0.25	0.262
relative Natural Colour (NC)					
lab*trj	0.72	-0.023	0.499	-0.023	0.499
lab*tce	0.625	0.25	0.258	0.25	0.258
lab*nce	0.25	0.25	0.038	0.25	0.038

relative CIELAB lab*					
lab*lab	0.485	-0.018	0.249		
lab*ch	0.375	0.25	0.262		
lab*nc	0.5	0.25	0.262		
relative Natural Colour (NC)					
lab*lr	0.375	-0.11	0.25		
lab*nc	0.375	0.25	0.258		
lab*ncE	0.5	0.25	0.03g		
relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.0	(1.0)	
cmyn3*	0.75	0.75	1.0	(0.0)	
olvi4*	1.0	1.0	0.75	0.25	
cmyn4*	0.0	0.0	0.25	0.75	
standard and adapted CIELAB					
LAB*LAB	36.18	-1.73	23.31		
LAB*LAB ₀	36.18	-1.81	23.29		

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

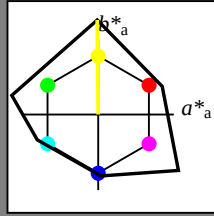
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

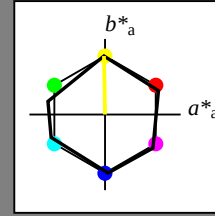
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

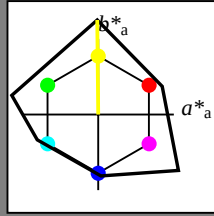
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

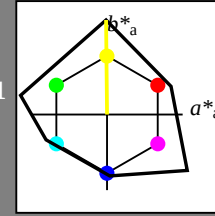
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

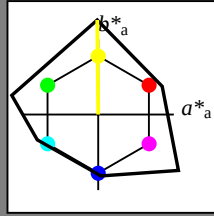
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

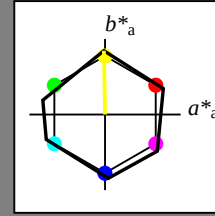
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

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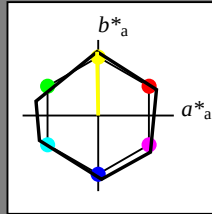
triangle lightness

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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

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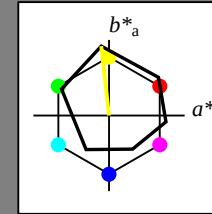
triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

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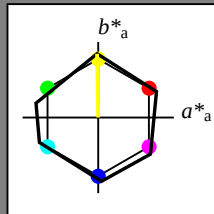
0,00

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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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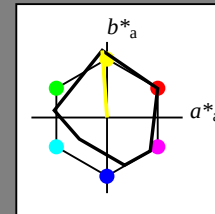
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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

triangle lightness

triangle lightness

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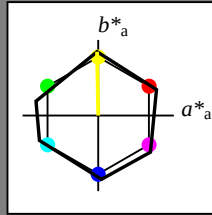
triangle lightness

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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

triangle lightness

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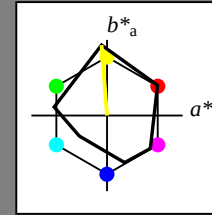
triangle lightness

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% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

5 step scales for constant CIELAB hue 94/360 = 0.262 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

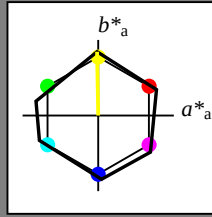
LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,50

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,25

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,00

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,00

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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% Gamut

$u^*_{rel} = 100$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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% Gamut

$u^*_{rel} = 100$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$g^*_{H,rel} = 47$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$g^*_{H,rel} = 47$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,00

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,00

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,00

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

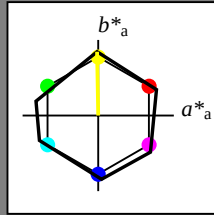
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

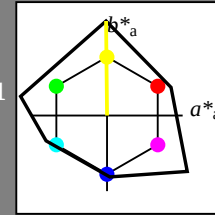
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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blackness n^*

chromaticness c^*

0,25

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0,75

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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chromaticness c^*

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blackness n^*

chromaticness c^*

0,25

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0,75

1,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

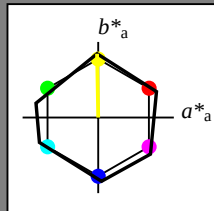
0,75

0,50

0,25

0,00

blackness n^*



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

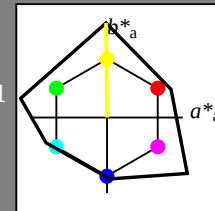
0,75

0,50

0,25

0,00

blackness n^*



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

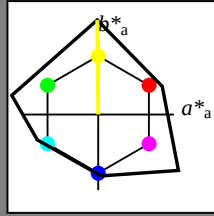
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

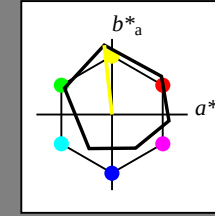
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.3	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	50.0	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.75	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	1.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	55.45	-2.77	25.0		
LAB*LABa	55.45	-2.56	22.94		
LAB*LABb	37.5	23.09	96.39		
relative CIELAB lab*					
lab*lab	0.484	-0.027	0.248		
lab*tch	0.375	0.25	0.268		
lab*nch	0.5	0.25	0.268		
relative Natural Colour (NC)					
lab*trj	0.484	-0.024	0.249		
lab*tce	0.375	0.25	0.266		
lab*nce	0.5	0.25	0.266		

relative Inform. Technology (IT)					
</

5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

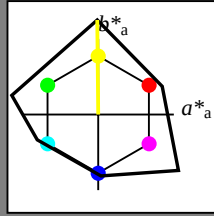
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 96/360 = 0.268$

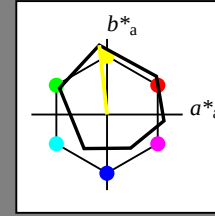
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

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TRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

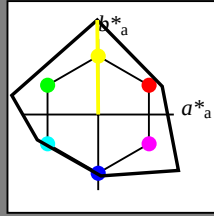
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

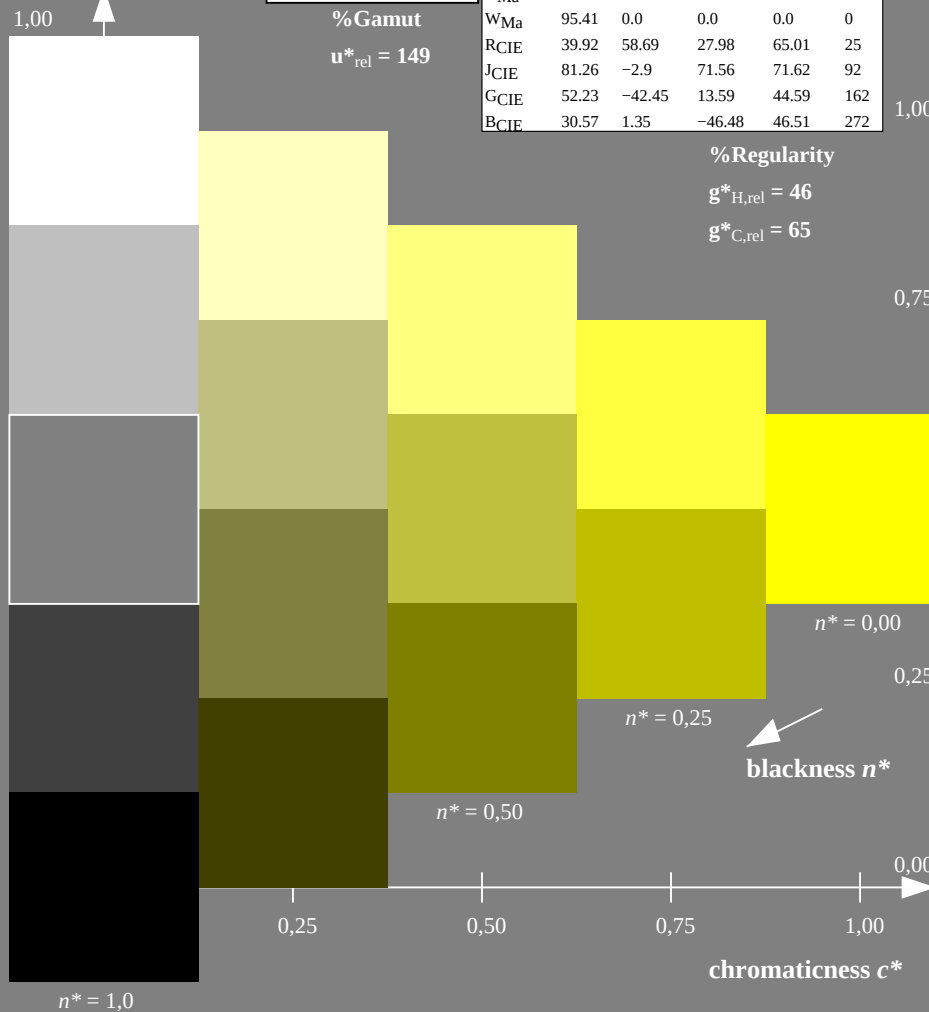
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

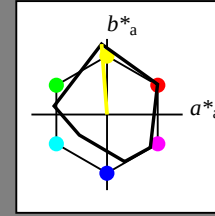
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

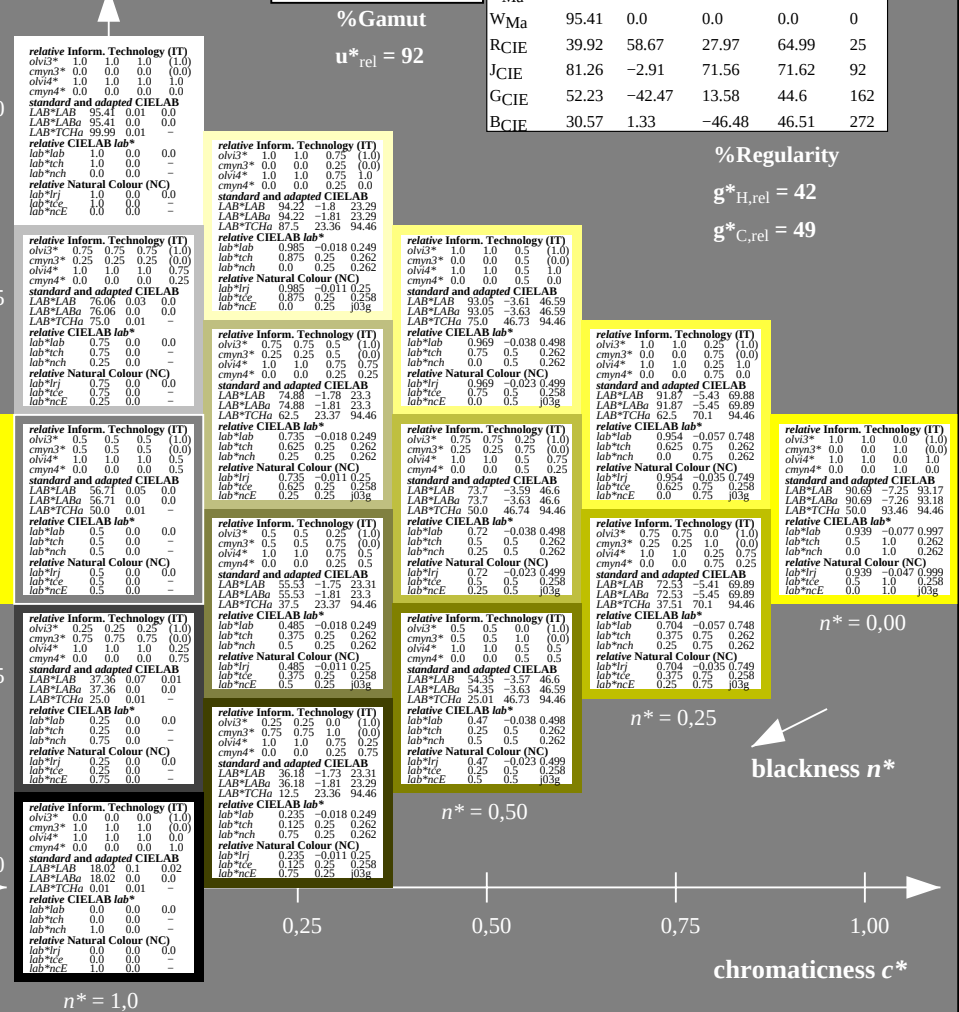
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



5 step scales for constant CIELAB hue 94/360 = 0.262 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

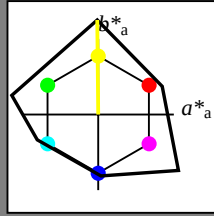
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 91/360 = 0.253$

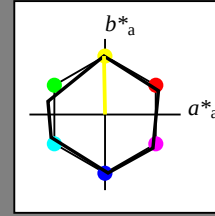
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

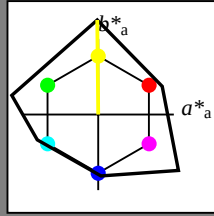
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

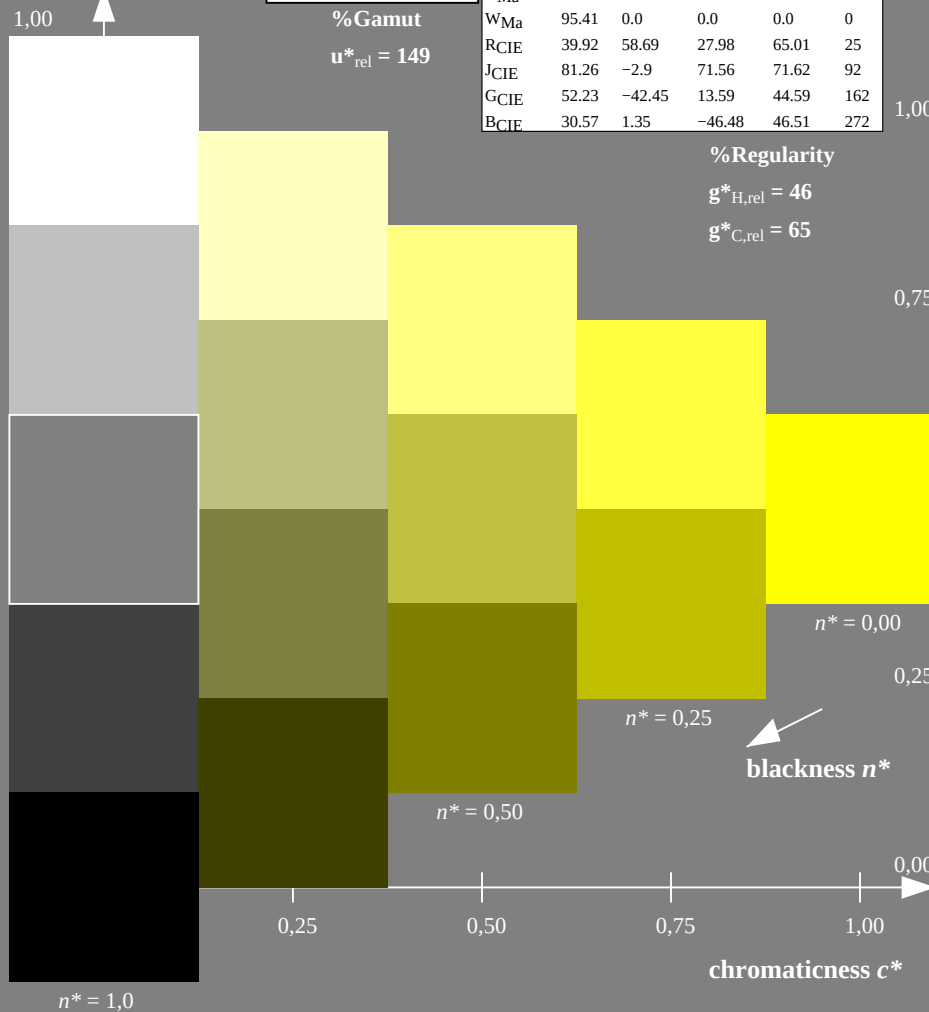
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 91/360 = 0.252$

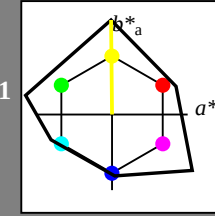
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

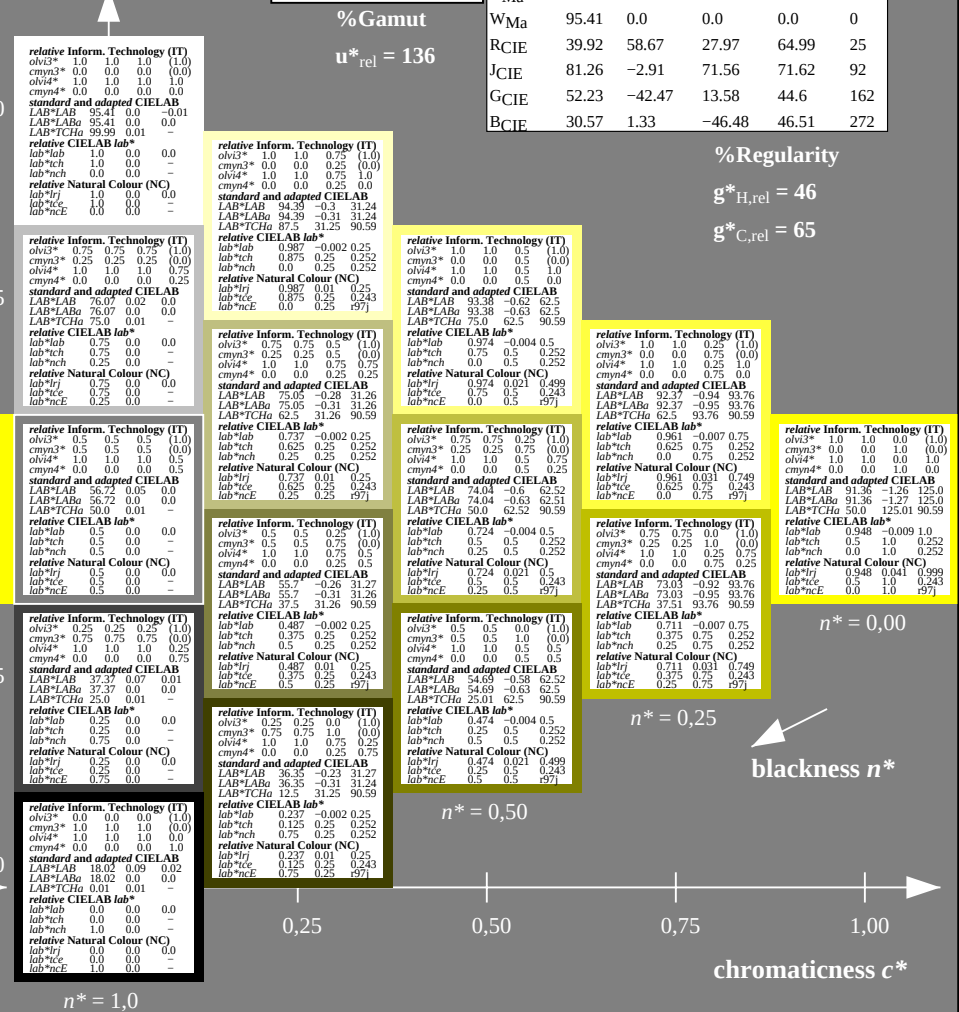
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

relative Inform. Technology (IT)

$olvi3^*$	1.0	1.0	1.0	(1.0)
$cmyn3^*$	0.0	0.0	0.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	95.41	0.0	-0.01
LAB^*LABa	95.41	0.0	0.0
LAB^*TCHa	99.99	0.01	-

relative CIELAB lab*

lab^*lab	1.0	0.0	0.0
lab^*tch	1.0	0.0	-
lab^*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab^*trj	1.0	0.0	0.0
lab^*tce	0.0	0.0	-
lab^*nce	0.0	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.75	0.75	0.75	(1.0)
$cmyn3^*$	0.25	0.25	0.25	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	76.07	0.0	0.0
LAB^*LABa	76.07	0.0	0.0
LAB^*TCHa	75.0	0.01	-

relative CIELAB lab*

lab^*lab	0.75	0.0	0.0
lab^*tch	0.75	0.0	-
lab^*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.75	0.0	0.0
lab^*tce	0.25	0.0	0.0
lab^*nce	0.25	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.5	0.5	0.5	(1.0)
$cmyn3^*$	0.5	0.5	0.5	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	56.72	0.0	0.0
LAB^*LABa	56.72	0.0	0.0
LAB^*TCHa	50.0	0.01	-

relative CIELAB lab*

lab^*lab	0.5	0.0	0.0
lab^*tch	0.5	0.0	-
lab^*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.5	0.0	0.0
lab^*tce	0.5	0.0	0.0
lab^*nce	0.5	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.25	0.25	0.25	(1.0)
$cmyn3^*$	0.75	0.75	0.75	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	37.37	0.01	0.01
LAB^*LABa	37.37	0.0	0.0
LAB^*TCHa	25.0	0.01	-

relative CIELAB lab*

lab^*lab	0.25	0.0	0.0
lab^*tch	0.25	0.0	-
lab^*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.25	0.0	0.0
lab^*tce	0.25	0.0	0.0
lab^*nce	0.25	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.25	0.25	0.25	(1.0)
$cmyn3^*$	0.75	0.75	0.75	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	18.02	0.09	0.02
LAB^*LABa	18.02	0.0	0.0
LAB^*TCHa	0.01	0.01	-

relative CIELAB lab*

lab^*lab	0.0	0.0	0.0
lab^*tch	0.0	0.0	-
lab^*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.0	0.0	0.0
lab^*tce	0.0	0.0	0.0
lab^*nce	1.0	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	1.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	0.01	0.01	0.01
LAB^*LABa	0.01	0.0	0.0
LAB^*TCHa	0.01	0.01	-

relative CIELAB lab*

lab^*lab	0.0	0.0	0.0
lab^*tch	0.0	0.0	-
lab^*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.0	0.0	0.0
lab^*tce	0.0	0.0	0.0
lab^*nce	0.0	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	1.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	0.01	0.01	0.01
LAB^*LABa	0.01	0.0	0.0
LAB^*TCHa	0.01	0.01	-

relative CIELAB lab*

lab^*lab	0.0	0.0	0.0
lab^*tch	0.0	0.0	-
lab^*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.0	0.0	0.0
lab^*tce	0.0	0.0	0.0
lab^*nce	0.0	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	1.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	0.01	0.01	0.01
LAB^*LABa	0.01	0.0	0.0
LAB^*TCHa	0.01	0.01	-

relative CIELAB lab*

lab^*lab	0.0	0.0	0.0
lab^*tch	0.0	0.0	-
lab^*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.0	0.0	0.0
lab^*tce	0.0	0.0	0.0
lab^*nce	0.0	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	1.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	0.01	0.01	0.01
LAB^*LABa	0.01	0.0	0.0
LAB^*TCHa	0.01	0.01	-

relative CIELAB lab*

lab^*lab	0.0	0.0	0.0
lab^*tch	0.0	0.0	-
lab^*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.0	0.0	0.0
lab^*tce	0.0	0.0	0.0
lab^*nce	0.0	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	1.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	0.01	0.01	0.01
LAB^*LABa	0.01	0.0	0.0
LAB^*TCHa	0.01	0.01	-

relative CIELAB lab*

lab^*lab	0.0	0.0	0.0
lab^*tch	0.0	0.0	-
lab^*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.0	0.0	0.0
lab^*tce	0.0	0.0	0.0
lab^*nce	0.0	0.0	-

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

relative Inform. Technology (IT)

$olvi3^*$	1.0	1.0	1.0	(1.0)
$cmyn3^*$	0.0	0.0	0.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	94.39	0.3	31.24
LAB^*LABa	94.39	-0.31	31.24
LAB^*TCHa	87.5	31.25	90.59

relative CIELAB lab*

lab^*lab	0.987	0.01	0.25
lab^*tch	0.875	0.25	0.252
lab^*nch	0.0	0.25	0.252

relative Natural Colour (NC)

lab^*trj	0.987	0.01	0.25
lab^*tce	0.875	0.25	0.243
lab^*nce	0.0	0.25	0.243

relative Inform. Technology (IT)

$olvi3^*$	0.75	0.75	0.75	(1.0)
$cmyn3^*$	0.25	0.25	0.25	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	76.07	0.0	0.0
LAB^*LABa	76.07	0.0	0.0
LAB^*TCHa	75.0	0.01	-

relative CIELAB lab*

lab^*lab	0.75	0.0	0.0
lab^*tch	0.75	0.0	-
lab^*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab^*trj	0.75	0.0	0.0
lab^*tce	0.25	0.0	0.0
lab^*nce	0.25	0.0	-

relative Inform. Technology (IT)

$olvi3^*$	0.5	0.5	0.5	(1.0)
$cmyn3^*$	0.5	0.5	0.5	(0.0)
$olvi4^*$	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB^*LAB	56.72	0.0	0.0
LAB^*LABa	56.72	0.0	0.0
LAB^*TCHa	50.0	0.01	-

relative CIELAB lab*

lab^*lab	0.5
------------	-----

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

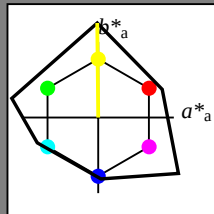
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

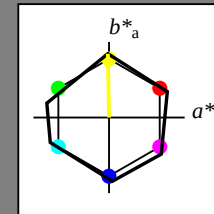
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

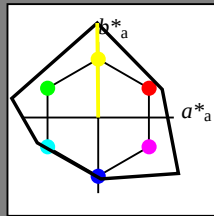
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

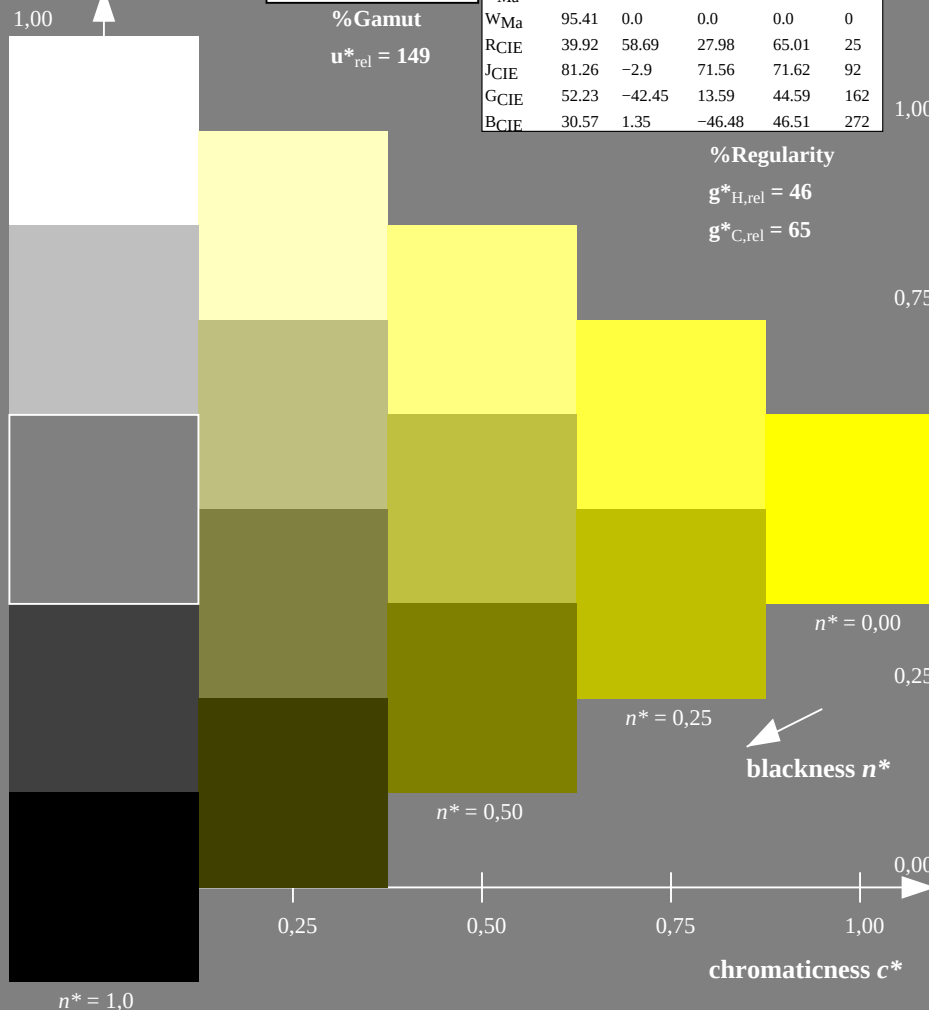
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 91/360 = 0.252 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 91/360 = 0.252$

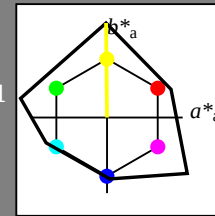
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 125 91

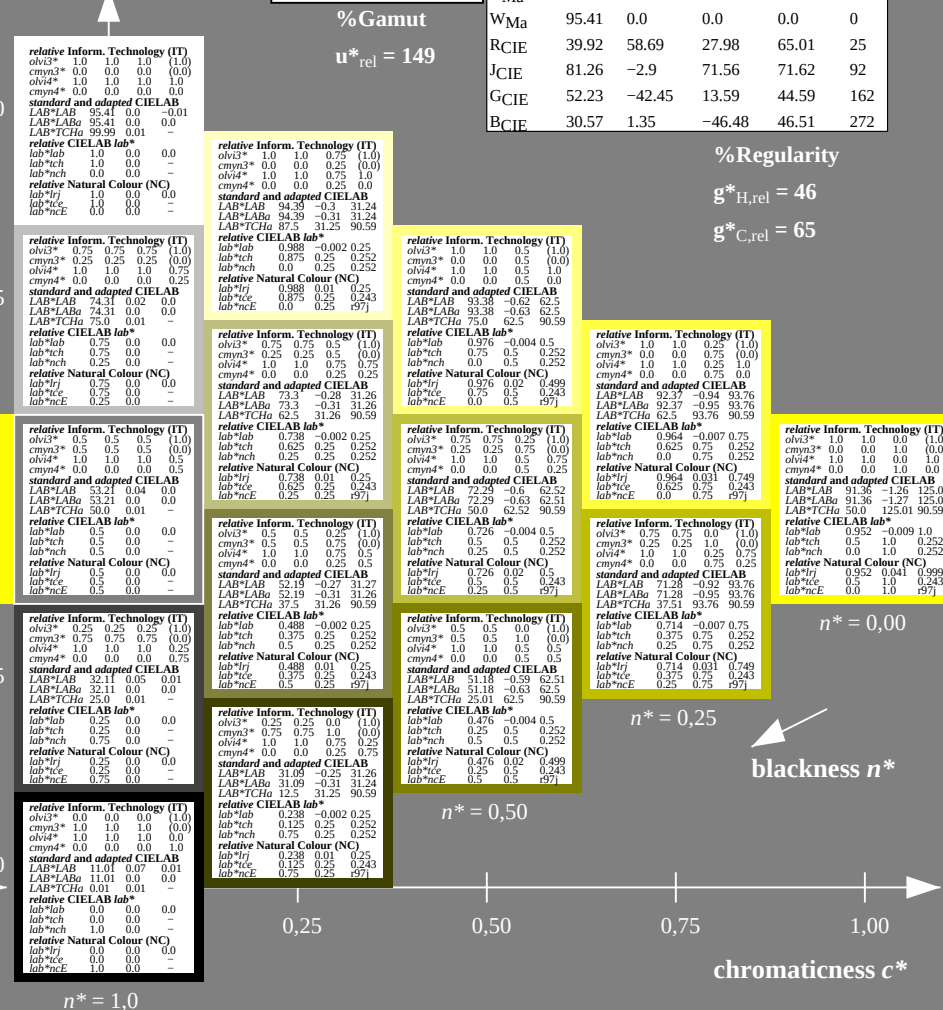
rgb*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

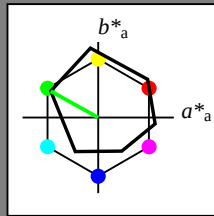
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

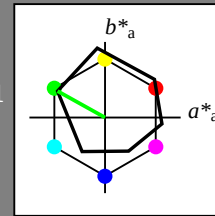
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

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0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

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chromaticness c^*

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

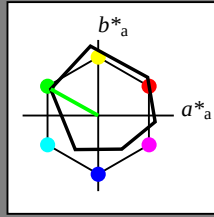
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

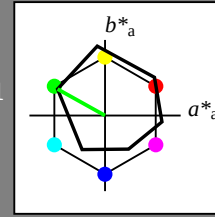
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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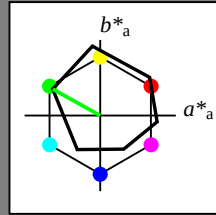
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

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blackness n^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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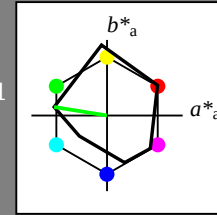
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

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TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 171/360 = 0.475 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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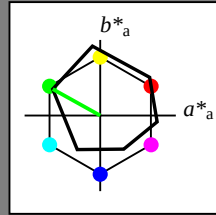
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

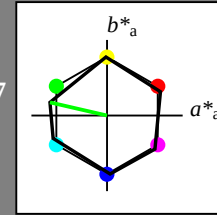
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

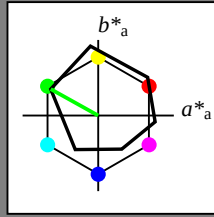
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

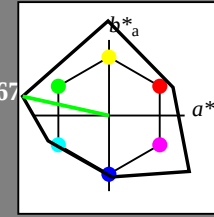
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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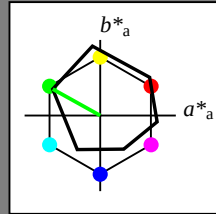
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,75

0,75

0,75

0,75

0,75

0,75

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Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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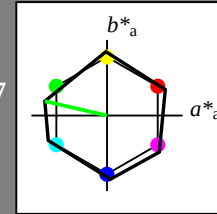
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% Gamut

$u^*_{rel} = 119$

1,00

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NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
CMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

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0,75

0,75

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

0,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

0,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

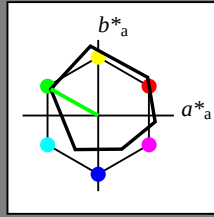
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

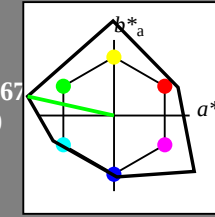
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

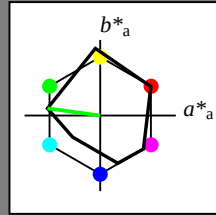
1,00

0,25

0,50

0,75

1,00



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

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0,75

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1,00

0,25

0,50

0,75

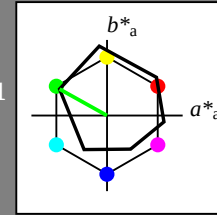
1,00

0,25

0,50

0,75

1,00



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

TE400-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

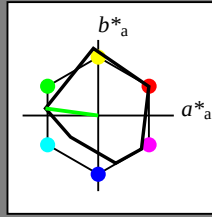
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

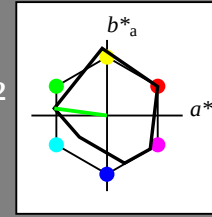
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

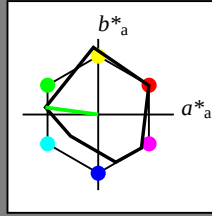
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

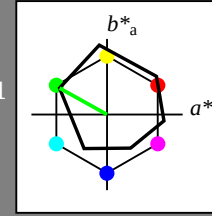
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

$n^* = 1,0$

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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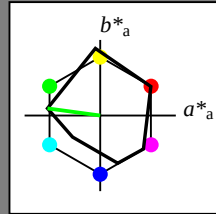
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

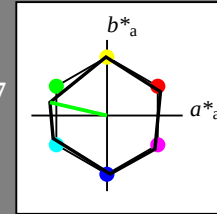
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

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blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

5 step scales for constant CIELAB hue $167/360 = 0.465$ (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

lab^*tch and lab^*nch

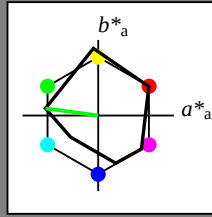
D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	-	-	-

0,75

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	0.0	0.0
LAB*LABa	53.21	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	-	-	-

$n^* = 0,00$

0,25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01	0.0	0.0
LAB*LABa	32.11	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	-	-	-

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	-	-	-

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

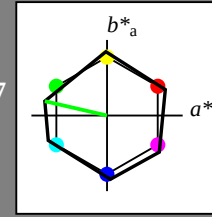
D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.75	1.0	1.0
cmyn3*	0.25	0.0	0.25	0.0	0.0
olvi4*	0.75	1.0	0.75	1.0	1.0
cmyn4*	0.25	0.0	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	84.85	-20.53	4.74	0.0	0.0
LAB*LABa	84.85	-20.53	4.74	0.0	0.0
LAB*TC _{Ma}	87.5	21.1	167.01	-	-
relative CIELAB lab*					
lab*lab	0.875	-0.243	0.056	0.0	0.0
lab*tch	0.875	0.25	0.464	0.0	0.0
lab*nch	0.0	0.25	0.464	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.875	-0.248	-0.016	0.0	0.0
lab*tce	0.875	0.25	0.511	0.0	0.0
lab*nce	0.0	0.25	0.464	0.0	0.0

0,75

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.5	0.75	0.75
cmyn3*	0.5	0.25	0.5	0.0	0.0
olvi4*	0.75	1.0	0.75	0.75	0.75
cmyn4*	0.25	0.0	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	63.75	-20.53	4.75	0.0	0.0
LAB*LABa	63.75	-20.56	4.74	0.0	0.0
LAB*TC _{Ma}	62.5	21.11	167.01	-	-
relative CIELAB lab*					
lab*lab	0.625	-0.243	0.056	0.0	0.0
lab*tch	0.625	0.25	0.464	0.0	0.0
lab*nch	0.25	0.25	0.464	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.625	-0.248	-0.016	0.0	0.0
lab*tce	0.625	0.25	0.511	0.0	0.0
lab*nce	0.25	0.25	0.464	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.25	0.5	0.5
cmyn3*	0.5	0.25	0.5	0.0	0.0
olvi4*	0.75	1.0	0.75	0.75	0.75
cmyn4*	0.25	0.0	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	53.2	-41.09	9.5	0.0	0.0
LAB*LABa	53.2	-41.13	9.49	0.0	0.0
LAB*TC _{Ma}	50.0	42.22	167.01	-	-
relative CIELAB lab*					
lab*lab	0.5	-0.486	0.112	0.0	0.0
lab*tch	0.5	0.25	0.464	0.0	0.0
lab*nch	0.25	0.5	0.464	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	-0.498	-0.033	0.0	0.0
lab*tce	0.5	0.25	0.511	0.0	0.0
lab*nce	0.25	0.5	0.464	0.0	0.0

0,25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*Lab	0.25	0.0		0.0	
lab*lab	0.25	0.0			
lab*tnch	0.75	0.0		-	
relative Natural Colour (NC)					
lab*lrj	0.25	0.0		0.0	
lab*rice	0.25	0.0			
lab*rice	0.75	0.0			

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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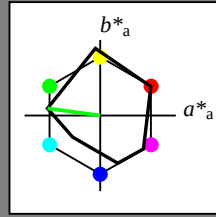
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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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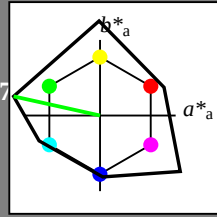
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% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

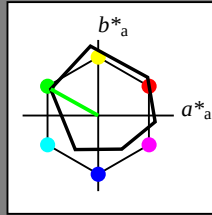
D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.			

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

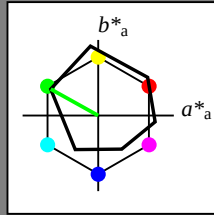
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

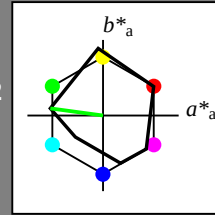
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	76.06	0.0	0.0	0.0	0.0
LAB*LABc	76.06	0.0	0.0	0.0	0.0
LAB*LABd	76.06	0.0	0.0	0.0	0.0
LAB*LABe	76.06	0.0	0.0	0.0	0.0
LAB*LABf	76.06	0.0	0.0	0.0	0.0
LAB*LABg	76.06	0.0	0.0	0.0	0.0
LAB*LABh	76.06	0.0	0.0	0.0	0.0
LAB*LABi	76.06	0.0	0.0	0.0	0.0
LAB*LABj	76.06	0.0	0.0	0.0	0.0
LAB*LABk	76.06	0.0	0.0	0.0	0.0
LAB*LABl	76.06	0.0	0.0	0.0	0.0
LAB*LABm	76.06	0.0	0.0	0.0	0.0
LAB*LABn	76.06	0.0	0.0	0.0	0.0
LAB*LABo	76.06	0.0	0.0	0.0	0.0
LAB*LABp	76.06	0.0	0.0	0.0	0.0
LAB*LABq	76.06	0.0	0.0	0.0	0.0
LAB*LABr	76.06	0.0	0.0	0.0	0.0
LAB*LABs	76.06	0.0	0.0	0.0	0.0
LAB*LABt	76.06	0.0	0.0	0.0	0.0
LAB*LABu	76.06	0.0	0.0	0.0	0.0
LAB*LABv	76.06	0.0	0.0	0.0	0.0
LAB*LABw	76.06	0.0	0.0	0.0	0.0
LAB*LABx	76.06	0.0	0.0	0.0	0.0
LAB*LABy	76.06	0.0	0.0	0.0	0.0
LAB*LABz	76.06	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0	0.0
LAB*LABd	56.71	0.0	0.0	0.0	0.0
LAB*LABe	56.71	0.0	0.0	0.0	0.0
LAB*LABf	56.71	0.0	0.0	0.0	0.0
LAB*LABg	56.71	0.0	0.0	0.0	0.0
LAB*LABh	56.71	0.0	0.0	0.0	0.0
LAB*LABi	56.71	0.0	0.0	0.0	0.0
LAB*LABj	56.71	0.0	0.0	0.0	0.0
LAB*LABk	56.71	0.0	0.0	0.0	0.0
LAB*LABl	56.71	0.0	0.0	0.0	0.0
LAB*LABm	56.71	0.0	0.0	0.0	0.0
LAB*LABn	56.71	0.0	0.0	0.0	0.0
LAB*LABo	56.71	0.0	0.0	0.0	0.0
LAB*LABp	56.71	0.0	0.0	0.0	0.0
LAB*LABq	56.71	0.0	0.0	0.0	0.0
LAB*LABr	56.71	0.0	0.0	0.0	0.0
LAB*LABs	56.71	0.0	0.0	0.0	0.0
LAB*LABt	56.71	0.0	0.0	0.0	0.0
LAB*LABu	56.71	0.0	0.0	0.0	0.0
LAB*LABv	56.71	0.0	0.0	0.0	0.0
LAB*LABw	56.71	0.0	0.0	0.0	0.0
LAB*LABx	56.71	0.0	0.0	0.0	0.0
LAB*LABy	56.71	0.0	0.0	0.0	0.0
LAB*LABz	56.71	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*LABb	37.36	0.0	0.0	0.0	0.0
LAB*LABc	37.36	0.0	0.0	0.0	0.0
LAB*LABd	37.36	0.0	0.0	0.0	0.0
LAB*LABe	37.36	0.0	0.0	0.0	0.0
LAB*LABf	37.36	0.0	0.0	0.0	0.0
LAB*LABg	37.36	0.0	0.0	0.0	0.0
LAB*LABh	37.36	0.0	0.0	0.0	0.0
LAB*LABi	37.36	0.0	0.0	0.0	0.0
LAB*LABj	37.36	0.0	0.0	0.0	0.0
LAB*LABk	37.36	0.0	0.0	0.0	0.0
LAB*LABl	37.36	0.0	0.0	0.0	0.0
LAB*LABm	37.36	0.0	0.0	0.0	0.0
LAB*LABn	37.36	0.0	0.0	0.0	0.0
LAB*LABo	37.36	0.0	0.0	0.0	0.0
LAB*LABp	37.36	0.0	0.0	0.0	0.0
LAB*LABq	37.36	0.0	0.0	0.0	0.0
LAB*LABr	37.36	0.0	0.0	0.0	0.0
LAB*LABs	37.36	0.0	0.0	0.0	0.0
LAB*LABt	37.36	0.0	0.0	0.0	0.0
LAB*LABu	37.36	0.0	0.0	0.0	0.0
LAB*LABv	37.36	0.0	0.0	0.0	0.0
LAB*LABw	37.36	0.0	0.0	0.0	0.0
LAB*LABx	37.36	0.0	0.0	0.0	0.0
LAB*LABy	37.36	0.0	0.0	0.0	0.0
LAB*LABz	37.36	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	18.02	0.0	0.0	0.0	0.0
LAB*LABc	18.02	0.0	0.0	0.0	0.0
LAB*LABd	18.02	0.0	0.0	0.0	0.0
LAB*LABe	18.02	0.0	0.0	0.0	0.0
LAB*LABf	18.02	0.0	0.0	0.0	0.0
LAB*LABg	18.02	0.0	0.0	0.0	0.0
LAB*LABh	18.02	0.0	0.0	0.0	0.0
LAB*LABi	18.02	0.0	0.0	0.0	0.0
LAB*LABj	18.02	0.0	0.0	0.0	0.0
LAB*LABk	18.02	0.0	0.0	0.0	0.0
LAB*LABl	18.02	0.0	0.0	0.0	0.0
LAB*LABm	18.02	0.0	0.0	0.0	0.0
LAB*LABn	18.02	0.0	0.0	0.0	0.0
LAB*LABo	18.02	0.0	0.0	0.0	0.0
LAB*LABp	18.02	0.0	0.0	0.0	0.0
LAB*LABq	18.02	0.0	0.0	0.0	0.0
LAB*LABr	18.02	0.0	0.0	0.0	0.0
LAB*LABs	18.02	0.0	0.0	0.0	0.0
LAB*LABt	18.02	0.0	0.0	0.0	0.0
LAB*LABu	18.02	0.0	0.0	0.0	0.0
LAB*LABv	18.02	0.0	0.0	0.0	0.0
LAB*LABw	18.02	0.0	0.0	0.0	0.0
LAB*LABx	18.02	0.0	0.0	0.0	0.0
LAB*LABy	18.02	0.0	0.0	0.0	0.0
LAB*LABz	18.02	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

MRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
a	RMa	49.63	66.96	38.37	77.18	30
	JMa	90.7	-6.36	88.75	88.98	94
	GMa	52.11	-69.73	9.44	70.37	172
	G50BMa	45.03	-36.57	-28.47	46.36	218
	BMa	36.65	23.19	-63.05	67.18	290
	B50RMa	34.94	57.17	-44.26	72.31	322
	NMa	18.01	0.0	0.0	0.0	0
	WMa	95.41	0.0	0.0	0.0	0
	RCIE	39.92	58.66	26.98	64.56	25
	JCIE	81.26	-2.17	67.76	67.79	92
b	GCIE	52.23	-42.26	11.75	43.87	164
	BCIE	30.57	1.15	-46.84	46.87	271

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

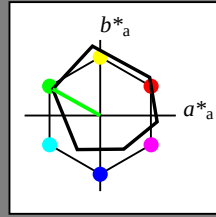
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 -0.97 4.75

LAB*LABa 95.41 0.0 0.0

LAB*TCRa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 3.44

LAB*LABa 76.06 0.0 0.0

LAB*TCRa 75.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.23 2.14

LAB*LABa 56.71 0.0 0.0

LAB*TCRa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.13 0.83

LAB*LABa 37.36 0.0 0.0

LAB*TCRa 25.0 0.01 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*lab 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.5 -0.46

LAB*LABa 18.02 0.0 0.0

LAB*TCRa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01 0.01

LAB*LABa 0.01 0.01 0.01

LAB*TCRa 0.01 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01 0.01

LAB*LABa 0.01 0.01 0.01

LAB*TCRa 0.01 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01 0.01

LAB*LABa 0.01 0.01 0.01

LAB*TCRa 0.01 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01 0.01

LAB*LABa 0.01 0.01 0.01

LAB*TCRa 0.01 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01 0.01

LAB*LABa 0.01 0.01 0.01

LAB*TCRa 0.01 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01 0.01

LAB*LABa 0.01 0.01 0.01

LAB*TCRa 0.01 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01 0.01

LAB*LABa 0.01 0.01 0.01

LAB*TCRa 0.01 0.01 0.01

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

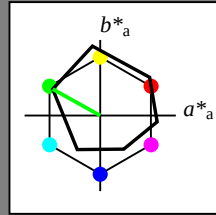
$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

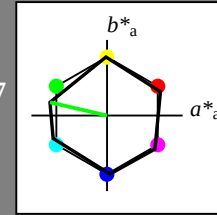
$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$



NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

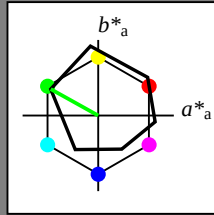
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

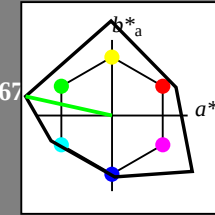
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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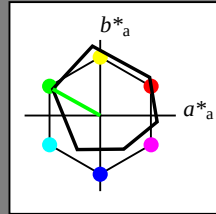
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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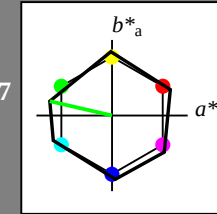
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

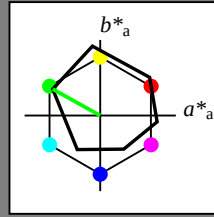
D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCBa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*ch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

0,75

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*TCBa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*ch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	0.0	0.0
LAB*LABa	53.21	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*ch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01	0.0	0.0
LAB*LABa	32.11	0.05	0.01	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.07	0.01	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01	0.0	0.0
LAB*LABa	32.11	0.05	0.01	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.07	0.01	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.07	0.01	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.07	0.01	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.07	0.01	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.07	0.01	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0			

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

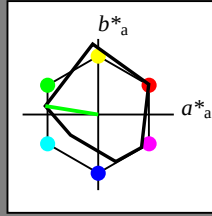
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

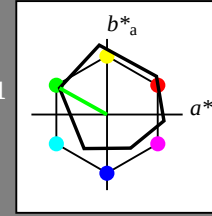
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

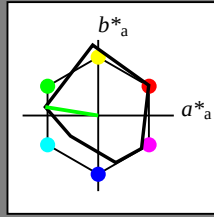
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

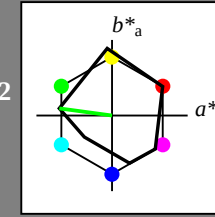
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

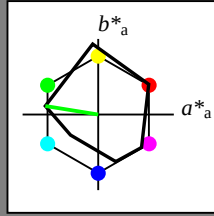
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

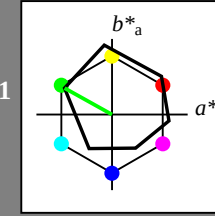
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*TCRa 25.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.28 -16.45 12.74
LAB*LABa 84.28 -15.68 8.73
LAB*TCRa 87.5 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.15 -31.94 20.73
LAB*LABa 73.15 -31.38 17.47
LAB*TCRa 75.0 35.93 150.91

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 53.8 -31.57 19.42
LAB*LABa 53.8 -31.29 17.47
LAB*TCRa 50.0 35.94 150.91

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*TCRa 25.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.0 0.5 0.0 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 42.68 -47.06 27.41
LAB*LABa 42.68 -47.06 27.41
LAB*TCRa 37.51 53.9 150.91

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.0 0.25 0.0 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 34.46 -31.2 18.11
LAB*LABa 34.46 -31.38 17.47
LAB*TCRa 25.01 35.93 150.91

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*TCRa 0.01 -

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

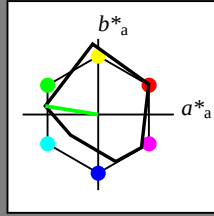
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

0,00

MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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0,00

0,00

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

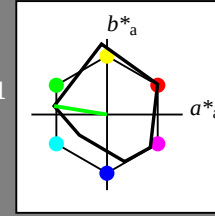
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

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0,00

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

5 step scales for constant CIELAB hue 171/360 = 0.475 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

lab^*tch and lab^*nch

D65: hue G

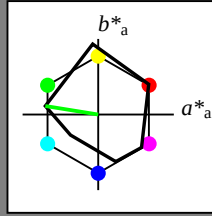
LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

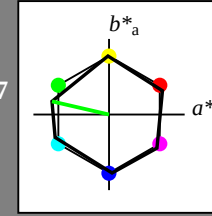
LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

$n^* = 0,00$

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

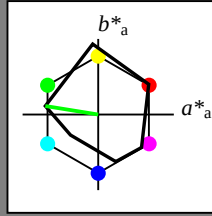
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

$\%Regularity$

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

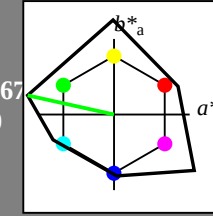
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

$\%Regularity$

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

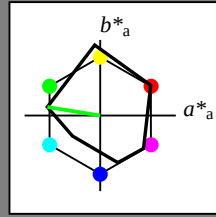
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



MRS18a; adapted (a)	CIELAB data				
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

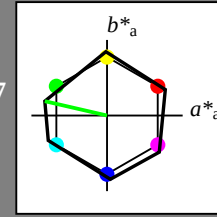
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS11; adapted (a)	CIELAB data				
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

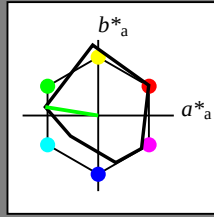
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

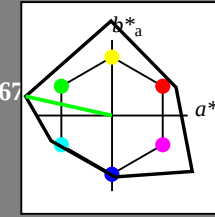
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

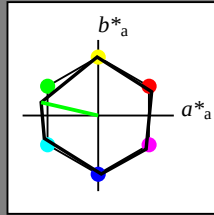
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

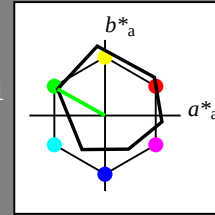
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

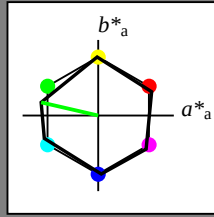
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

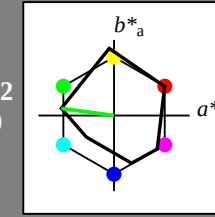
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

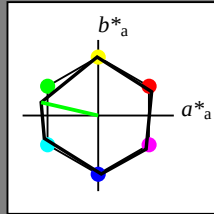
1,00

0,25

0,50

0,75

1,00



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

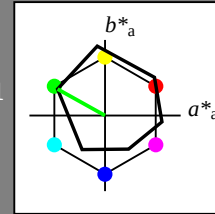
1,00

0,25

0,50

0,75

1,00



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

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1,00

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

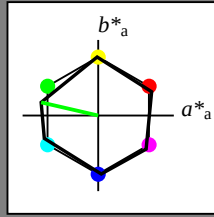
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

0,00

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

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Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

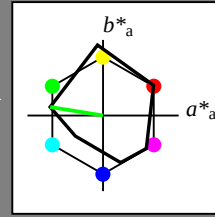
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

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TE400-7, 5 step scales

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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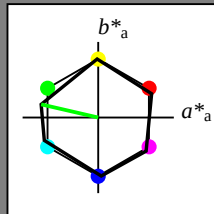
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

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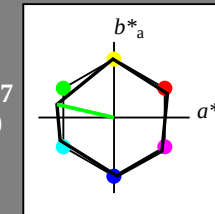
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

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TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

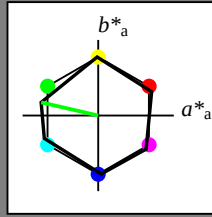
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

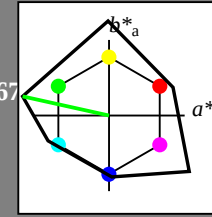
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmym3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	0.5
cmym4*	0.25	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	48.62	-28.5	6.35	
LAB*LABa	48.62	-28.56	6.34	
LAB*TCHa	37.5	29.27	167.5	

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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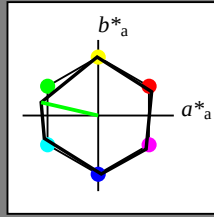
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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

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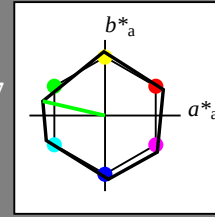
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

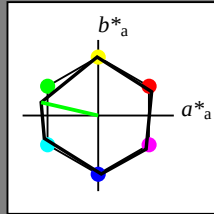
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

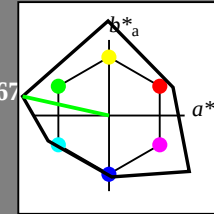
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

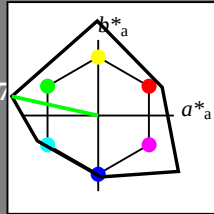
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

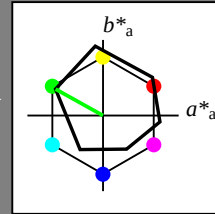
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

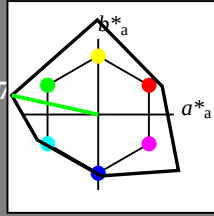
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

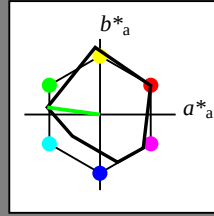
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

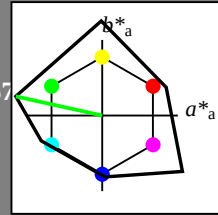
1,00

0,25

0,50

0,75

1,00



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

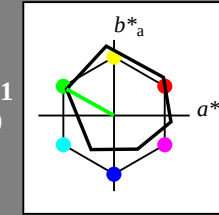
1,00

0,25

0,50

0,75

1,00



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

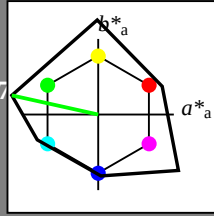
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

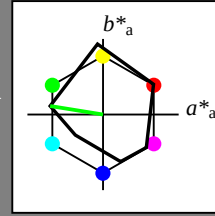
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

5 step scales for constant CIELAB hue 171/360 = 0.475 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

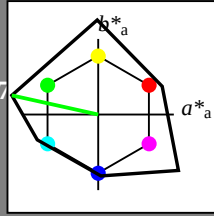
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 136$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

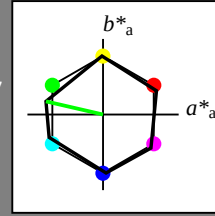
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

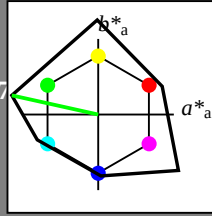
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

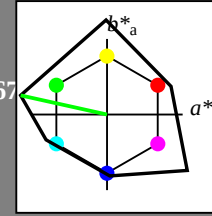
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

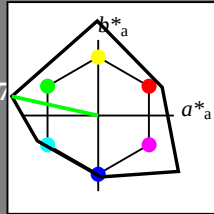
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

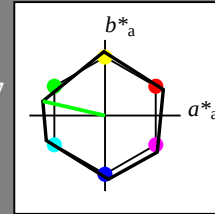
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		
relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		
relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		
relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	-		
relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(1.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		
relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.75	(1.0)	
cmyn3*	0.25	0.0	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.75	-20.56	4.74		
LAB*LABa	63.75	-20.56	4.74		
LAB*TC _{Ma}	62.5	21.11	167.01		
relative CIELAB lab*					
lab*lab	0.625	-0.243	0.056		
lab*tch	0.625	0.25	0.464		
lab*nch	0.25	0.25	0.464		
relative Natural Colour (NC)					
lab*trj	0.625	0.248	-0.016		
lab*tce	0.625	0.25	0.511		
lab*nce	0.25	0.25	0.464		
relative Inform. Technology (IT)					
olvi3*	0.25	0.75	0.25	(1.0)	
cmyn3*	0.75	0.25	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.2	-41.09	9.5		
LAB*LABa	53.2	-41.13	9.49		
LAB*TC _{Ma}	50.0	42.22	167.01		
relative CIELAB lab*					
lab*lab	0.5	-0.486	0.112		
lab*tch	0.5	0.25	0.464		
lab*nch	0.5	0.0	0.464		
relative Natural Colour (NC)					
lab*trj	0.5	-0.498	-0.033		
lab*tce	0.5	0.25	0.511		
lab*nce	0.25	0.5	0.464		
relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.0	(1.0)	
cmyn3*	1.0	0.25	1.0	(0.0)	
olvi4*	0.25	1.0	0.25	(0.0)	
cmyn4*	0.5	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	42.65	-61.64	14.24		
LAB*LABa	42.65	-61.69	14.23		
LAB*TC _{Ma}	37.51	63.32	167.01		
relative CIELAB lab*					
lab*lab	0.375	-0.73	0.169		
lab*tch	0.375	0.75	0.464		
lab*nch	0.375	0.0	0.464		
relative Natural Colour (NC)					
lab*trj	0.375	-0.747	-0.05		
lab*tce	0.375	0.75	0.511		
lab*nce	0.25	0.75	0.464		
relative Inform. Technology (IT)					
olvi3*	0.0	0.75	0.0	(1.0)	
cmyn3*	1.0	0.25	1.0	(0.0)	
olvi4*	0.25	1.0	0.25	(0.0)	
cmyn4*	0.75	0.0	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.75	-61.66	14.24		
LAB*LABa	63.75	-61.69	14.23		
LAB*TC _{Ma}	62.5	63.32	167.01		
relative CIELAB lab*					
lab*lab	0.625	-0.73	0.169		
lab*tch	0.625	0.75	0.464		
lab*nch	0.625	0.0	0.464		
relative Natural Colour (NC)					
lab*trj	0.625	-0.747	-0.05		
lab*tce	0.625	0.75	0.511		
lab*nce	0.25	0.75	0.464		
relative Inform. Technology (IT)					
olvi3*	0.0	1.0	0.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	0.0	1.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.2	-82.25	18.97		
LAB*LABa	53.2	-82.21	18.98		
LAB*TC _{Ma}	50.0	84.42	167.01		
relative CIELAB lab*					
lab*lab	0.5	-0.973	0.225		
lab*tch	0.5	1.0	0.464		
lab*nch	0.5	1.0	0.464		
relative Natural Colour (NC)					
lab*trj	0.5	-0.996	-0.067		
lab*tce	0.5	1.0	0.511		
lab*nce	0.0	1.0	0.464		

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

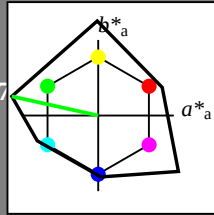
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.06	167
G50B _{Ma}	59.47	-80.61	-33.45	87.28	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

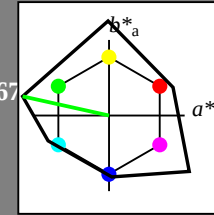
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

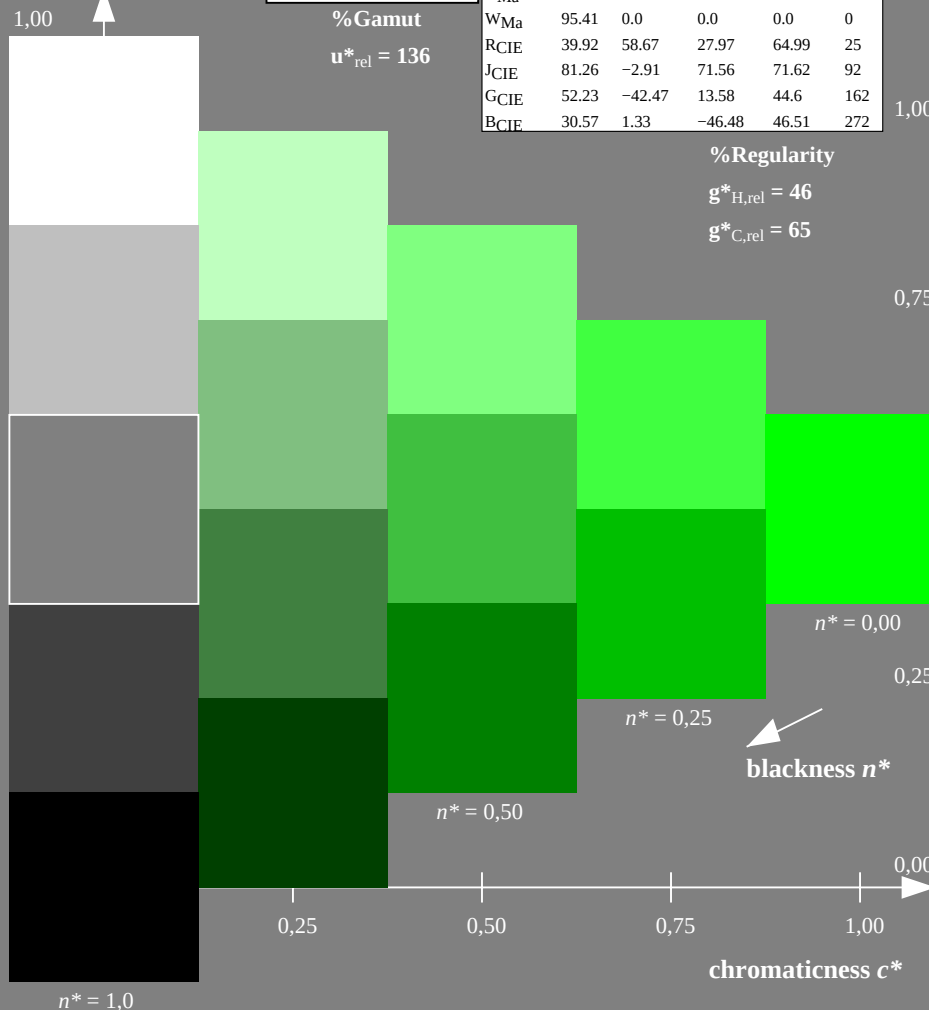
$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

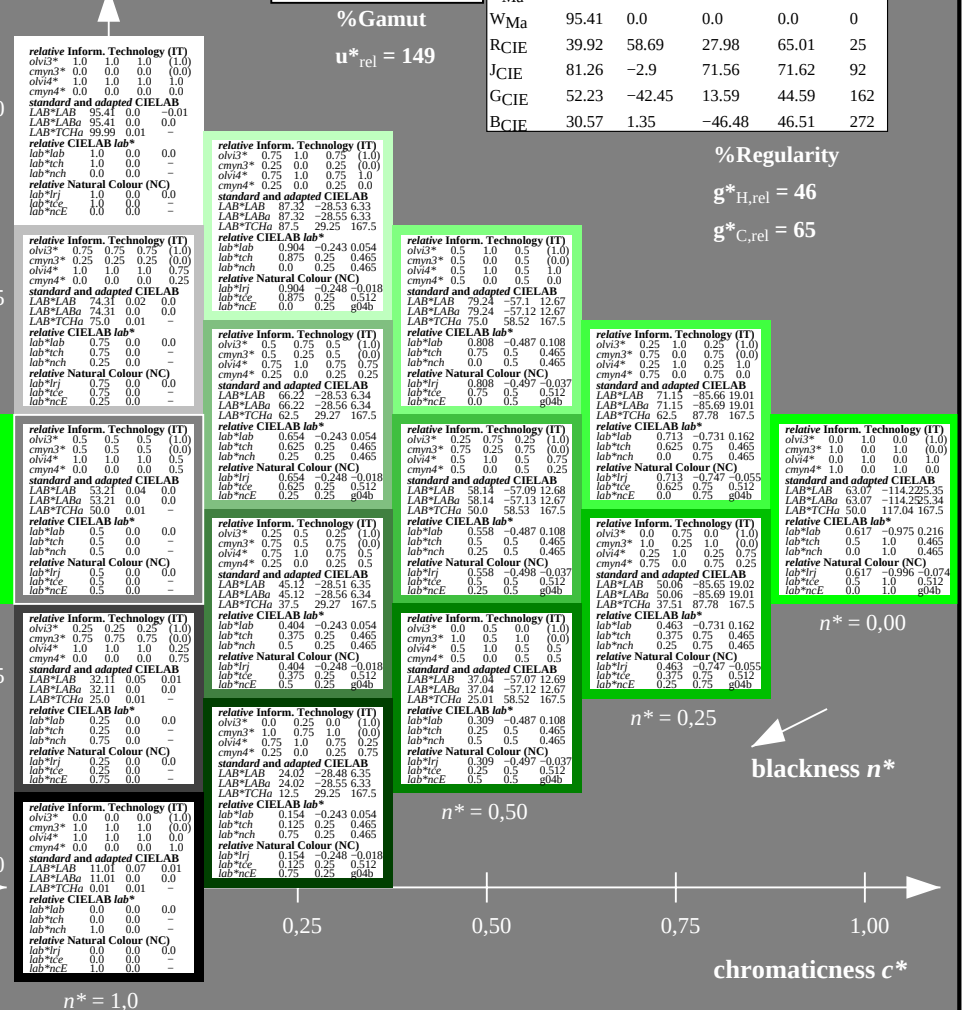
% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$



TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)



5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

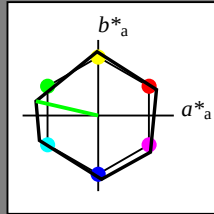
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

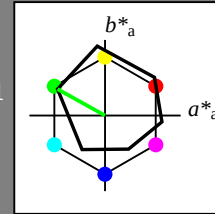
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

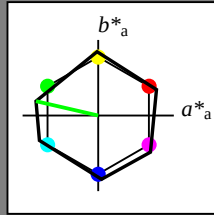
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

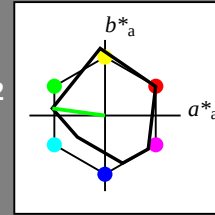
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.75	(1.0)	
cmyn3*	0.25	0.0	0.25	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.58	-18.19	6.39		
LAB*LABa	84.58	-17.42	2.36		
LAB*TC _{Ma}	87.5	17.59	172.29		

relative CIELAB lab*					
lab*lab	0.86	-0.247	0.034		
lab*ch	0.875	0.25	0.479		
lab*nch	0.0	0.25	0.479		
relative Natural Colour (NC)					
lab*trj	0.86	-0.247	0.034		
lab*nce	0.875	0.25	0.518		
lab*nce	0.0	0.25	0.076		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	65.23	-17.83	3.08		
LAB*LABa	65.23	-17.42	2.36		
LAB*TC _{Ma}	62.5	17.59	172.29		

relative CIELAB lab*					
lab*lab	0.61	-0.247	0.034		
lab*ch	0.625	0.25	0.479		
lab*nch	0.25	0.25	0.479		
relative Natural Colour (NC)					
lab*trj	0.61	-0.247	0.034		
lab*nce	0.625	0.25	0.518		
lab*nce	0.25	0.25	0.076		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.25	(1.0)	
cmyn3*	0.75	0.25	0.75	(0.0)	
olvi4*	1.0	0.5	1.0	(1.0)	
cmyn4*	0.5	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	54.41	-35.05	6.71		
LAB*LABa	54.41	-34.86	4.72		
LAB*TC _{Ma}	50.0	35.18	172.29		

relative CIELAB lab*					
lab*lab	0.47	-0.494	0.067		
lab*ch	0.475	0.25	0.479		
lab*nch	0.25	0.5	0.479		
relative Natural Colour (NC)					
lab*trj	0.47	-0.494	0.067		
lab*nce	0.475	0.25	0.518		
lab*nce	0.25	0.5	0.076		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.0	(1.0)	
cmyn3*	1.0	0.25	0.0	(0.0)	
olvi4*	0.5	1.0	0.5	(1.0)	
cmyn4*	0.5	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	43.59	-52.28	7.98		
LAB*LABa	43.59	-52.28	7.98		
LAB*TC _{Ma}	37.51	52.77	172.29		

relative CIELAB lab*					
lab*lab	0.22	-0.494	0.067		
lab*ch	0.225	0.5	0.479		
lab*nch	0.5	0.5	0.479		
relative Natural Colour (NC)					
lab*trj	0.22	-0.494	0.067		
lab*nce	0.225	0.5	0.518		
lab*nce	0.5	0.5	0.076		

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	0.5	(1.0)	
cmyn3*	0.5	0.0	0.5	(0.0)	
olvi4*	0.5	1.0	0.5	(1.0)	
cmyn4*	0.5	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	73.75	-35.42	8.02		
LAB*LABa	73.75	-34.85	4.72		
LAB*TC _{Ma}	75.0	35.18	172.29		

Relative Inform. Technology (IT)				
vi3*	0.5	1.0	0.5	(1.0)
syn3*	0.5	0.0	0.5	(0.0)
vi4*	0.5	1.0	0.5	1.0
syn4*	0.5	0.0	0.5	0.0
Standard and adapted CIELAB				
R*LAB	73.25	-35.42	8.02	

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

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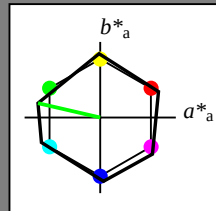
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,50

0,25

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Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

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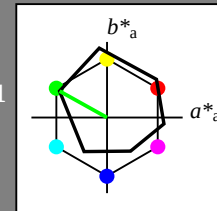
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,50

0,25

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TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

TABLE 1

5 step scales for constant CIELAB hue 171/360 = 0.475 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

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0,75

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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0,75

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

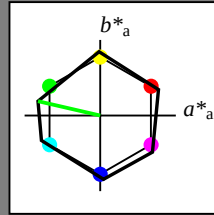
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

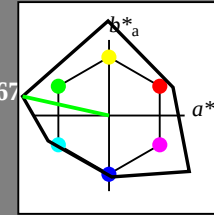
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

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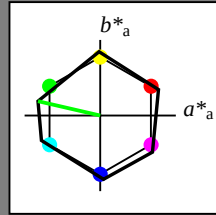
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

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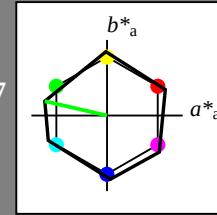
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

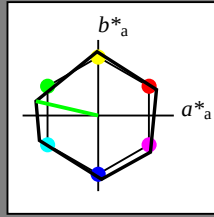
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.464 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

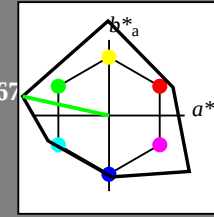
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

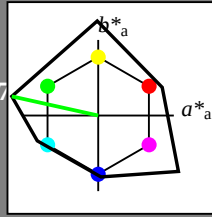
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

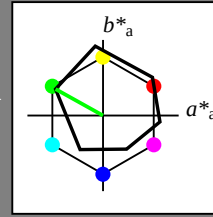
relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

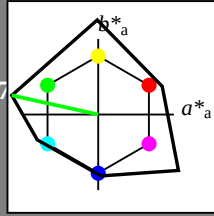
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

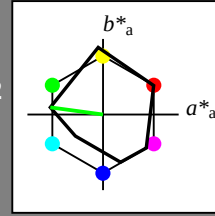
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	1.0	0.0	0.0	0.0	0.0
olvi4*	0.0	1.0	0.0	0.0	0.0
olvi5*	0.0	0.0	1.0	0.0	0.0
olvi6*	0.0	0.0	0.0	1.0	0.0
olvi7*	0.0	0.0	0.0	0.0	1.0
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75	-	-
LAB*LABa	95.41	0.0	0.0	-	-
LAB*LABb	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	-	-
lab*tch	1.0	0.0	-	-	-
lab*nch	0.0	1.0	0.0	-	-
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	-	-
lab*tce	0.0	1.0	0.0	-	-
lab*nce	0.0	0.0	1.0	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.75	0.0	0.0	0.0	0.0
olvi4*	0.0	0.75	0.0	0.0	0.0
olvi5*	0.0	0.0	0.75	0.0	0.0
olvi6*	0.0	0.0	0.0	0.75	0.0
olvi7*	0.0	0.0	0.0	0.0	0.75
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*LABb	75.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	-	-
lab*tch	0.75	0.0	-	-	-
lab*nch	0.0	0.75	0.0	-	-
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	-	-
lab*tce	0.0	0.75	0.0	-	-
lab*nce	0.0	0.0	0.75	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.5	0.0	0.0	0.0	0.0
olvi4*	0.0	0.5	0.0	0.0	0.0
olvi5*	0.0	0.0	0.5	0.0	0.0
olvi6*	0.0	0.0	0.0	0.5	0.0
olvi7*	0.0	0.0	0.0	0.0	0.5
standard and adapted CIELAB					
LAB*LAB	56.71	-0.3	2.14	-	-
LAB*LABa	56.71	0.0	0.0	-	-
LAB*LABb	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	-	-
lab*tch	0.5	0.0	-	-	-
lab*nch	0.0	0.5	0.0	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	-	-
lab*tce	0.0	0.5	0.0	-	-
lab*nce	0.0	0.0	0.5	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.25	0.0	0.0	0.0	0.0
olvi4*	0.0	0.25	0.0	0.0	0.0
olvi5*	0.0	0.0	0.25	0.0	0.0
olvi6*	0.0	0.0	0.0	0.25	0.0
olvi7*	0.0	0.0	0.0	0.0	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	-0.13	0.83	-	-
LAB*LABa	37.36	0.0	0.0	-	-
LAB*LABb	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	-	-
lab*tch	0.25	0.0	-	-	-
lab*nch	0.0	0.25	0.0	-	-
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	-	-
lab*tce	0.0	0.25	0.0	-	-
lab*nce	0.0	0.0	0.25	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46	-	-
LAB*LABa	18.02	0.0	0.0	-	-
LAB*LABb	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*tch	0.0	0.0	-	-	-
lab*nch	0.0	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	-	-
lab*tce	0.0	0.0	0.0	-	-
lab*nce	0.0	0.0	0.0	-	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

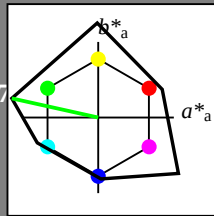
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 151/360 = 0.419$

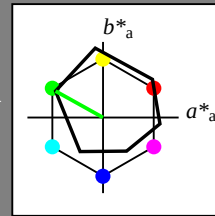
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

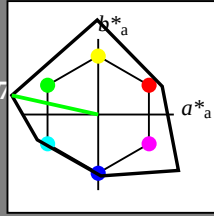
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

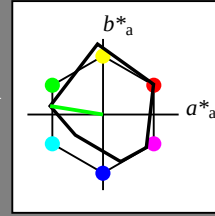
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 171/360 = 0.475 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

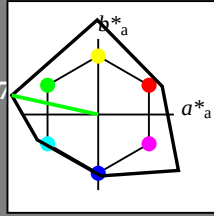
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 167/360 = 0.464$

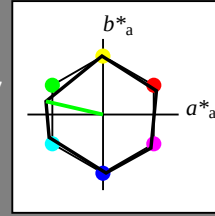
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

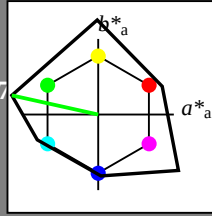
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 167/360 = 0.465$

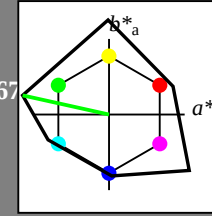
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

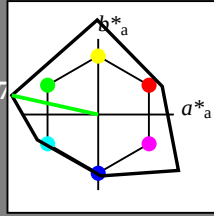
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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$n^* = 0,00$

NCS11; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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$n^* = 0,00$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

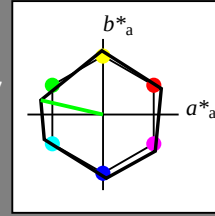
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

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$n^* = 0,00$

NRS11; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

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% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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$n^* = 0,00$

$n^* = 0,00$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

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$n^* = 0,00$

$n^* = 0,00$

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

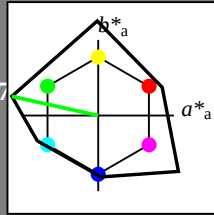
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

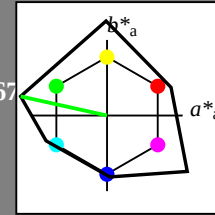
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

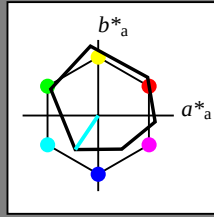
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

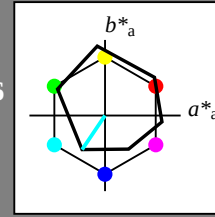
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	57.61	0.0	0.0	0.0	0.0
LAB*LABa	57.61	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.643	0.0	0.0	0.0	0.0
lab*lab	0.643	0.0	0.0	0.0	0.0
lab*lab	0.643	0.0	0.0	0.0	0.0
lab*lab	0.643	0.0	0.0	0.0	0.0
lab*lab	0.643	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.394	0.0	0.0	0.0	0.0
lab*lab	0.394	0.0	0.0	0.0	0.0
lab*lab	0.394	0.0	0.0	0.0	0.0
lab*lab	0.394	0.0	0.0	0.0	0.0
lab*lab	0.394	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

5	1,00
chromaticness c	

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

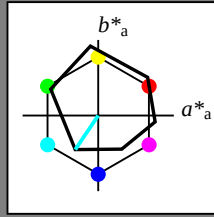
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

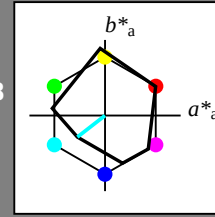
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

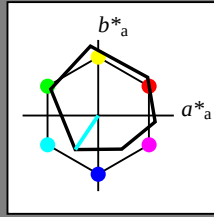
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

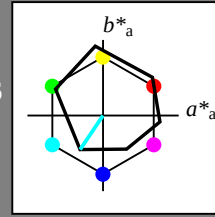
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

5 step scales for constant CIELAB hue 217/360 = 0.601 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

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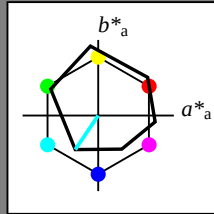
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

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Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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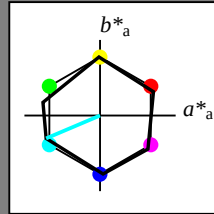
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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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% Regularity

$g^*_{H,rel} = 47$

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$g^*_{H,rel} = 47$

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% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

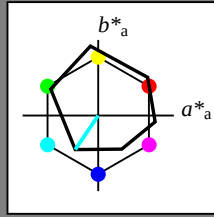
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

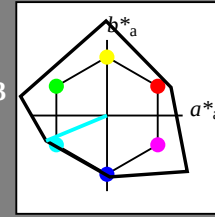
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

triangle lightness

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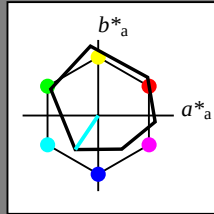
triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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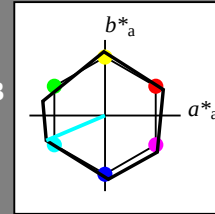
triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

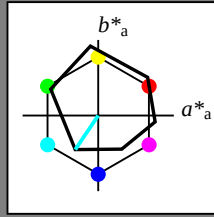
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

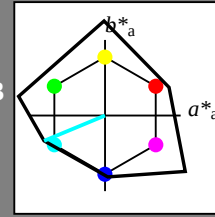
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Stitchless Closure

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

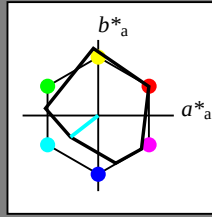
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 218/360 = 0.605 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

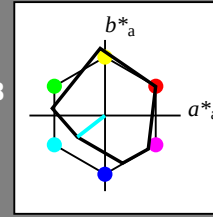
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

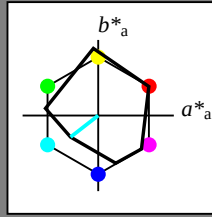
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 218/360 = 0.605 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

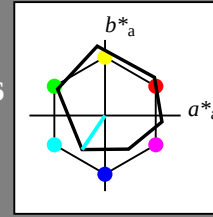
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LABa	0.75	0.25	0.0	0.0	(1.0)
LAB*LABb	0.75	0.25	0.0	0.0	(1.0)
LAB*LABc	0.75	0.25	0.0	0.0	(1.0)
LAB*LABd	0.75	0.25	0.0	0.0	(1.0)
LAB*LABe	0.75	0.25	0.0	0.0	(1.0)
LAB*LABf	0.75	0.25	0.0	0.0	(1.0)
LAB*LABg	0.75	0.25	0.0	0.0	(1.0)
LAB*LABh	0.75	0.25	0.0	0.0	(1.0)
LAB*LABi	0.75	0.25	0.0	0.0	(1.0)
LAB*LABj	0.75	0.25	0.0	0.0	(1.0)
LAB*LABk	0.75	0.25	0.0	0.0	(1.0)
LAB*LABl	0.75	0.25	0.0	0.0	(1.0)
LAB*LABm	0.75	0.25	0.0	0.0	(1.0)
LAB*LABn	0.75	0.25	0.0	0.0	(1.0)
LAB*LABo	0.75	0.25	0.0	0.0	(1.0)
LAB*LABp	0.75	0.25	0.0	0.0	(1.0)
LAB*LABq	0.75	0.25	0.0	0.0	(1.0)
LAB*LABr	0.75	0.25	0.0	0.0	(1.0)
LAB*LABs	0.75	0.25	0.0	0.0	(1.0)
LAB*LABt	0.75	0.25	0.0	0.0	(1.0)
LAB*LABu	0.75	0.25	0.0	0.0	(1.0)
LAB*LABv	0.75	0.25	0.0	0.0	(1.0)
LAB*LABw	0.75	0.25	0.0	0.0	(1.0)
LAB*LABx	0.75	0.25	0.0	0.0	(1.0)
LAB*LABy	0.75	0.25	0.0	0.0	(1.0)
LAB*LABz	0.75	0.25	0.0	0.0	(1.0)

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LABa	0.75	0.25	0.0	0.0	(1.0)
LAB*LABb	0.75	0.25	0.0	0.0	(1.0)
LAB*LABc	0.75	0.25	0.0	0.0	(1.0)
LAB*LABd	0.75	0.25	0.0	0.0	(1.0)
LAB*LABe	0.75	0.25	0.0	0.0	(1.0)
LAB*LABf	0.75	0.25	0.0	0.0	(1.0)
LAB*LABg	0.75	0.25	0.0	0.0	(1.0)
LAB*LABh	0.75	0.25	0.0	0.0	(1.0)
LAB*LABi	0.75	0.25	0.0	0.0	(1.0)
LAB*LABj	0.75	0.25	0.0	0.0	(1.0)
LAB*LABk	0.75	0.25	0.0	0.0	(1.0)
LAB*LABl	0.75	0.25	0.0	0.0	(1.0)
LAB*LABm	0.75	0.25	0.0	0.0	(1.0)
LAB*LABn	0.75	0.25	0.0	0.0	(1.0)
LAB*LABo	0.75	0.25	0.0	0.0	(1.0)
LAB*LABp	0.75	0.25	0.0	0.0	(1.0)
LAB*LABq	0.75	0.25	0.0	0.0	(1.0)
LAB*LABr	0.75	0.25	0.0	0.0	(1.0)
LAB*LABs	0.75	0.25	0.0	0.0	(1.0)
LAB*LABt	0.75	0.25	0.0	0.0	(1.0)
LAB*LABu	0.75	0.25	0.0	0.0	(1.0)
LAB*LABv	0.75	0.25	0.0	0.0	(1.0)
LAB*LABw	0.75	0.25	0.0	0.0	(1.0)
LAB*LABx	0.75	0.25	0.0	0.0	(1.0)
LAB*LABy	0.75	0.25	0.0	0.0	(1.0)
LAB*LABz	0.75	0.25	0.0	0.0	(1.0)

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LABa	0.75	0.25	0.0	0.0	(1.0)
LAB*LABb	0.75	0.25	0.0	0.0	(1.0)
LAB*LABc	0.75	0.25	0.0	0.0	(1.0)
LAB*LABd	0.75	0.25	0.0	0.0	(1.0)
LAB*LABe	0.75	0.25	0.0	0.0	(1.0)
LAB*LABf	0.75	0.25	0.0	0.0	(1.0)
LAB*LABg	0.75	0.25	0.0	0.0	(1.0)
LAB*LABh	0.75	0.25	0.0	0.0	(1.0)
LAB*LABi	0.75	0.25	0.0	0.0	(1.0)
LAB*LABj	0.75	0.25	0.0	0.0	(1.0)
LAB*LABk	0.75	0.25	0.0	0.0	(1.0)
LAB*LABl	0.75	0.25	0.0	0.0	(1.0)
LAB*LABm	0.75	0.25	0.0	0.0	(1.0)
LAB*LABn	0.75	0.25	0.0	0.0	(1.0)
LAB*LABo	0.75	0.25	0.0	0.0	(1.0)
LAB*LABp	0.75	0.25	0.0	0.0	(1.0)
LAB*LABq	0.75	0.25	0.0	0.0	(1.0)
LAB*LABr	0.75	0.25	0.0	0.0	(1.0)
LAB*LABs	0.75	0.25	0.0	0.0	(1.0)
LAB*LABt	0.75	0.25	0.0	0.0	(1.0)
LAB*LABu	0.75	0.25	0.0	0.0	(1.0)
LAB*LABv	0.75	0.25	0.0	0.0	(1.0)
LAB*LABw	0.75	0.25	0.0	0.0	(1.0)
LAB*LABx	0.75	0.25	0.0	0.0	(1.0)
LAB*LABy	0.75	0.25	0.0	0.0	(1.0)
LAB*LABz	0.75	0.25	0.0	0.0	(1.0)

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LABa	0.75	0.25	0.0	0.0	(1.0)
LAB*LABb	0.75	0.25	0.0	0.0	(1.0)
LAB*LABc	0.75	0.25	0.0	0.0	(1.0)
LAB*LABd	0.75	0.25	0.0	0.0	(1.0)
LAB*LABe	0.75	0.25	0.0	0.0	(1.0)
LAB*LABf	0.75	0.25	0.0	0.0	(1.0)
LAB*LABg	0.75	0.25	0.0	0.0	(1.0)
LAB*LABh	0.75	0.25	0.0	0.0	(1.0)
LAB*LABi	0.75	0.25	0.0	0.0	(1.0)
LAB*LABj	0.75	0.25	0.0	0.0	(1.0)
LAB*LABk	0.75	0.25	0.0	0.0	(1.0)
LAB*LABl	0.75	0.25	0.0	0.0	(1.0)
LAB*LABm	0.75	0.25	0.0	0.0	(1.0)
LAB*LABn	0.75	0.25	0.0	0.0	(1.0)
LAB*LABo	0.75	0.25	0.0	0.0	(1.0)
LAB*LABp	0.75	0.25	0.0	0.0	(1.0)
LAB*LABq	0.75	0.25	0.0	0.0	(1.0)
LAB*LABr	0.75	0.25	0.0	0.0	(1.0)
LAB*LABs	0.75	0.25	0.0	0.0	(1.0)
LAB*LABt	0.75	0.25	0.0	0.0	(1.0)
LAB*LABu	0.75	0.25	0.0	0.0	(1.0)
LAB*LABv	0.75	0.25	0.0	0.0	(1.0)
LAB*LABw	0.75	0.25	0.0	0.0	(1.0)
LAB*LABx	0.75	0.25	0.0	0.0	(1.0)
LAB*LABy	0.75	0.25	0.0	0.0	(1.0)
LAB*LABz	0.75	0.25	0.0	0.0	(1.0)

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LABa	0.75	0.25	0.0	0.0	(1.0)
LAB*LABb	0.75	0.25	0.0	0.0	(1.0)
LAB*LABc	0.75	0.25	0.0	0.0	(1.0)
LAB*LABd	0.75	0.25	0.0	0.0	(1.0)
LAB*LABe	0.75	0.25	0.0	0.0	(1.0)
LAB*LABf	0.75	0.25	0.0	0.0	(1.0)
LAB*LABg	0.75	0.25	0.0	0.0	(1.0)
LAB*LABh	0.75	0.25	0.0	0.0	(1.0)
LAB*LABi	0.75	0.25	0.0	0.0	(1.0)
LAB*LABj	0.75	0.25	0.0	0.0	(1.0)
LAB*LABk	0.75	0.25	0.0	0.0	(1.0)
LAB*LABl	0.75	0.25	0.0	0.0	(1.0)
LAB*LABm	0.75	0.25	0.0	0.0	(1.0)
LAB*LABn	0.75	0.25	0.0	0.0	(1.0)
LAB*LABo	0.75	0.25	0.0	0.0	(1.0)
LAB*LABp	0.75	0.25	0.0	0.0	(1.0)
LAB*LABq	0.75	0.25	0.0	0.0	(1.0)
LAB*LABr	0.75	0.25	0.0	0.0	(1.0)
LAB*LABs	0.75	0.25	0.0	0.0	(1.0)
LAB*LABt	0.75	0.25	0.0	0.0	(1.0)
LAB*LABu	0.75	0.25	0.0	0.0	(1.0)
LAB*LABv	0.75	0.25	0.0	0.0	(1.0)
LAB*LABw	0.75	0.25	0.0	0.0	(1.0)
LAB*LABx	0.75	0.25	0.0	0.0	(1.0)
LAB*LABy	0.75	0.25	0.0	0.0	(1.0)
LAB*LABz	0.75	0.25	0.0	0.0	(1.0)

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

TRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
a	OMa	47.94	65.37	50.52	82.62	38
	YMa	90.37	-10.27	91.77	92.34	96
	LMa	50.9	-62.79	34.95	71.87	151
	CMa	58.62	-30.35	-45.01	54.3	236
	VMa	25.71	31.11	-44.42	54.24	305
	MMa	48.13	75.27	-8.35	75.73	354
	NMa	18.01	0.0	0.0	0.0	0
	WMa	95.41	0.0	0.0	0.0	0
	RCIE	39.92	58.66	26.98	64.56	25
	JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

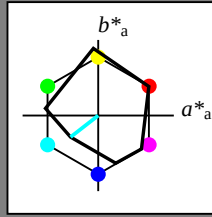
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 218/360 = 0.605 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

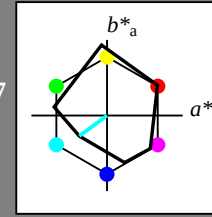
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 217/360 = 0.601 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

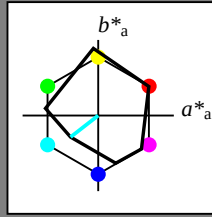
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 218/360 = 0.605 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

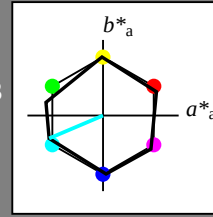
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

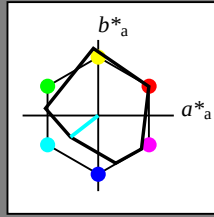
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 218/360 = 0.605 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

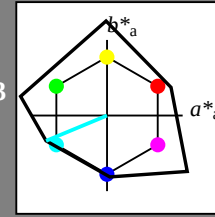
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

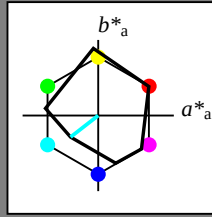
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	49.63	66.96	38.37	77.18	30	
JMa	90.7	-6.36	88.75	88.98	94	
GMa	52.11	-69.73	9.44	70.37	172	
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218	
B _{Ma}	36.65	23.19	-63.05	67.18	290	
B50R _{Ma}	34.94	57.17	-44.26	72.31	322	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.66	26.98	64.56	25	
JCIE	81.26	-2.17	67.76	67.79	92	
GCIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

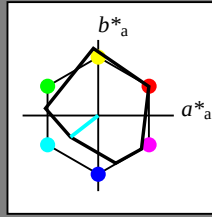
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

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MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,00

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Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

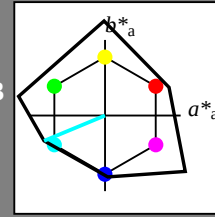
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

0,00

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

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Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

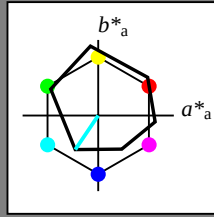
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

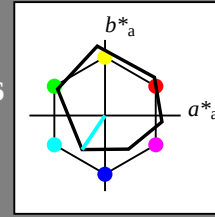
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

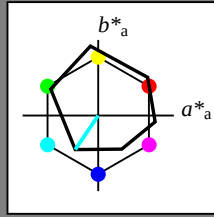
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

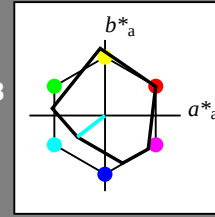
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

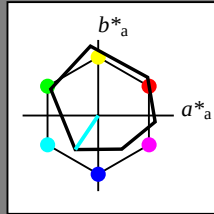
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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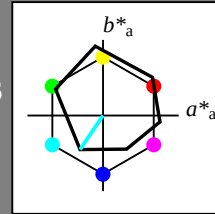
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

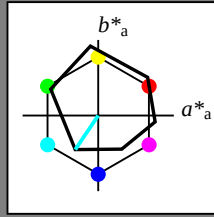
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

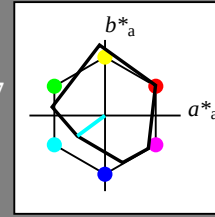
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 217/360 = 0.601 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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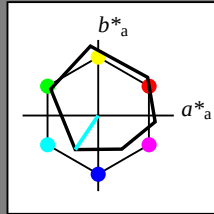
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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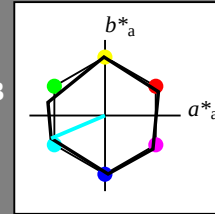
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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

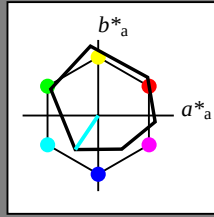
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

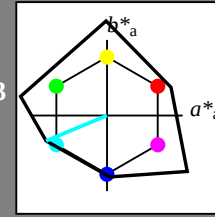
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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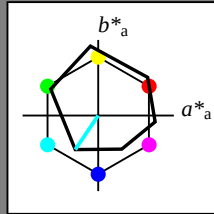
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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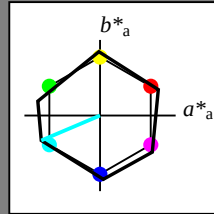
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% Gamut

$u^*_{rel} = 119$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

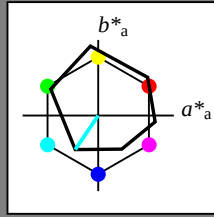
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

1,00

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

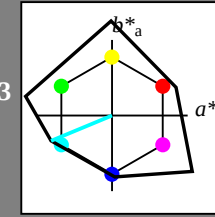
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

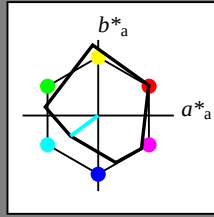
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

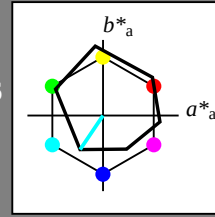
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

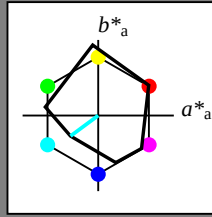
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

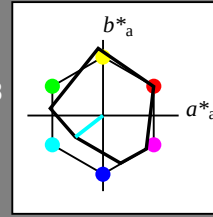
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

<i>lab*lrj</i>	0.837	-0.176	-0.001
<i>lab*tce</i>	0.875	0.25	0.625
<i>lab*nce</i>	0.0	0.25	0.625

relative Inform. Technology (IT)			
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>
standard and adapted CIELAB	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0
LAB*LABd	95.41	0.0	0.0
LAB*LABe	95.41	0.0	0.0
LAB*LABf	95.41	0.0	0.0
LAB*LABg	95.41	0.0	0.0
LAB*LABh	95.41	0.0	0.0
LAB*LABi	95.41	0.0	0.0
LAB*LABj	95.41	0.0	0.0
LAB*LABk	95.41	0.0	0.0
LAB*LABl	95.41	0.0	0.0
LAB*LABm	95.41	0.0	0.0
LAB*LABn	95.41	0.0	0.0
LAB*LABo	95.41	0.0	0.0
LAB*LABp	95.41	0.0	0.0
LAB*LABq	95.41	0.0	0.0
LAB*LABr	95.41	0.0	0.0
LAB*LABs	95.41	0.0	0.0
LAB*LABt	95.41	0.0	0.0
LAB*LABu	95.41	0.0	0.0
LAB*LABv	95.41	0.0	0.0
LAB*LABw	95.41	0.0	0.0
LAB*LABx	95.41	0.0	0.0
LAB*LABy	95.41	0.0	0.0
LAB*LABz	95.41	0.0	0.0
LAB*LABaa	95.41	0.0	0.0
LAB*LABab	95.41	0.0	0.0
LAB*LABac	95.41	0.0	0.0
LAB*LABad	95.41	0.0	0.0
LAB*LABae	95.41	0.0	0.0
LAB*LABaf	95.41	0.0	0.0
LAB*LABag	95.41	0.0	0.0
LAB*LABah	95.41	0.0	0.0
LAB*LABai	95.41	0.0	0.0
LAB*LABaj	95.41	0.0	0.0
LAB*LABak	95.41	0.0	0.0
LAB*LABal	95.41	0.0	0.0
LAB*LABam	95.41	0.0	0.0
LAB*LABan	95.41	0.0	0.0
LAB*LABao	95.41	0.0	0.0
LAB*LABap	95.41	0.0	0.0
LAB*LABaq	95.41	0.0	0.0
LAB*LABar	95.41	0.0	0.0
LAB*LABas	95.41	0.0	0.0
LAB*LABat	95.41	0.0	0.0
LAB*LABau	95.41	0.0	0.0
LAB*LABav	95.41	0.0	0.0
LAB*LABaw	95.41	0.0	0.0
LAB*LABax	95.41	0.0	0.0
LAB*LABay	95.41	0.0	0.0
LAB*LABaz	95.41	0.0	0.0
LAB*LABba	95.41	0.0	0.0
LAB*LABbb	95.41	0.0	0.0
LAB*LABbc	95.41	0.0	0.0
LAB*LABbd	95.41	0.0	0.0
LAB*LABbe	95.41	0.0	0.0
LAB*LABbf	95.41	0.0	0.0
LAB*LABbg	95.41	0.0	0.0
LAB*LABbh	95.41	0.0	0.0
LAB*LABbi	95.41	0.0	0.0
LAB*LABbj	95.41	0.0	0.0
LAB*LABbk	95.41	0.0	0.0
LAB*LABbl	95.41	0.0	0.0
LAB*LABbm	95.41	0.0	0.0
LAB*LABbn	95.41	0.0	0.0
LAB*LABbo	95.41	0.0	0.0
LAB*LABbp	95.41	0.0	0.0
LAB*LABbq	95.41	0.0	0.0
LAB*LABbr	95.41	0.0	0.0
LAB*LABbs	95.41	0.0	0.0
LAB*LABbt	95.41	0.0	0.0
LAB*LABbu	95.41	0.0	0.0
LAB*LABbv	95.41	0.0	0.0
LAB*LABbw	95.41	0.0	0.0
LAB*LABbx	95.41	0.0	0.0
LAB*LABby	95.41	0.0	0.0
LAB*LABbz	95.41	0.0	0.0
LAB*LABca	95.41	0.0	0.0
LAB*LABcb	95.41	0.0	0.0
LAB*LABcc	95.41	0.0	0.0
LAB*LABcd	95.41	0.0	0.0
LAB*LABce	95.41	0.0	0.0
LAB*LABcf	95.41	0.0	0.0
LAB*LABcg	95.41	0.0	0.0
LAB*LABch	95.41	0.0	0.0
LAB*LABci	95.41	0.0	0.0
LAB*LABcj	95.41	0.0	0.0
LAB*LABck	95.41	0.0	0.0
LAB*LABcl	95.41	0.0	0.0
LAB*LABcm	95.41	0.0	0.0
LAB*LABcn	95.41	0.0	0.0
LAB*LABco	95.41	0.0	0.0
LAB*LABcp	95.41	0.0	0.0
LAB*LABcq	95.41	0.0	0.0
LAB*LABcr	95.41	0.0	0.0
LAB*LABcs	95.41	0.0	0.0
LAB*LABct	95.41	0.0	0.0
LAB*LABcu	95.41	0.0	0.0
LAB*LABcv	95.41	0.0	0.0
LAB*LABcw	95.41	0.0	0.0
LAB*LABcx	95.41	0.0	0.0
LAB*LABcy	95.41	0.0	0.0
LAB*LABcz	95.41	0.0	0.0
LAB*LABda	95.41	0.0	0.0
LAB*LABdb	95.41	0.0	0.0
LAB*LABdc	95.41	0.0	0.0
LAB*LABdd	95.41	0.0	0.0
LAB*LABde	95.41	0.0	0.0
LAB*LABdf	95.41	0.0	0.0
LAB*LABdg	95.41	0.0	0.0
LAB*LABdh	95.41	0.0	0.0
LAB*LABdi	95.41	0.0	0.0
LAB*LABdj	95.41	0.0	0.0
LAB*LABdk	95.41	0.0	0.0
LAB*LABdl	95.41	0.0	0.0
LAB*LABdm	95.41	0.0	0.0
LAB*LABdn	95.41	0.0	0.0
LAB*LABdo	95.41	0.0	0.0
LAB*LABdp	95.41	0.0	0.0
LAB*LABdq	95.41	0.0	0.0
LAB*LABdr	95.41	0.0	0.0
LAB*LABds	95.41	0.0	0.0
LAB*LABdt	95.41	0.0	0.0
LAB*LABdu	95.41	0.0	0.0
LAB*LABdv	95.41	0.0	0.0
LAB*LABdw	95.41	0.0	0.0
LAB*LABdx	95.41	0.0	0.0
LAB*LABdy	95.41	0.0	0.0
LAB*LABdz	95.41	0.0	0.0
LAB*LABea	95.41	0.0	0.0
LAB*LABeb	95.41	0.0	0.0
LAB*LABec	95.41	0.0	0.0
LAB*LABed	95.41	0.0	0.0
LAB*LABee	95.41	0.0	0.0
LAB*LABef	95.41	0.0	0.0
LAB*LABeg	95.41	0.0	0.0
LAB*LABeh	95.41	0.0	0.0
LAB*LABei	95.41	0.0	0.0
LAB*LABej	95.41	0.0	0.0
LAB*LABek	95.41	0.0	0.0
LAB*LABel	95.41	0.0	0.0
LAB*LABem	95.41	0.0	0.0
LAB*LABen	95.41	0.0	0.0
LAB*LABeo	95.41	0.0	0.0
LAB*LABep	95.41	0.0	0.0
LAB*LABeq	95.41	0.0	0.0
LAB*LABer	95.41	0.0	0.0
LAB*LABes	95.41	0.0	0.0
LAB*LABet	95.41	0.0	0.0
LAB*LABeu	95.41	0.0	0.0
LAB*LABev	95.41	0.0	0.0
LAB*LABew	95.41	0.0	0.0
LAB*LABex	95.41	0.0	0.0
LAB*LABey	95.41	0.0	0.0
LAB*LABez	95.41	0.0	0.0
LAB*LABfa	95.41	0.0	0.0
LAB*LABfb	95.41	0.0	0.0
LAB*LABfc	95.41	0.0	0.0
LAB*LABfd	95.41	0.0	0.0
LAB*LABfe	95.41	0.0	0.0
LAB*LABff	95.41	0.0	0.0
LAB*LABfg	95.41	0.0	0.0
LAB*LABfh	95.41	0.0	0.0
LAB*LABfi	95.41	0.0	0.0
LAB*LABfj	95.41	0.0	0.0
LAB*LABfk	95.41	0.0	0.0
LAB*LABfl	95.41	0.0	0.0
LAB*LABfm	95.41	0.0	0.0
LAB*LABfn	95.41	0.0	0.0
LAB*LABfo	95.41	0.0	0.0
LAB*LABfp	95.41	0.0	0.0
LAB*LABfq	95.41	0.0	0.0
LAB*LABfr	95.41	0.0	0.0
LAB*LABfs	95.41	0.0	0.0
LAB*LABft	95.41	0.0	0.0
LAB*LABfu	95.41	0.0	0.0
LAB*LABfv	95.41	0.0	0.0
LAB*LABfw	95.41	0.0	0.0
LAB*LABfx	95.41	0.0	0.0
LAB*LABfy	95.41	0.0	0.0
LAB*LABfz	95.41	0.0	0.0
LAB*LABga	95.41	0.0	0.0
LAB*LABgb	95.41	0.0	0.0
LAB*LABgc	95.41	0.0	0.0
LAB*LABgd	95.41	0.0	0.0
LAB*LABge	95.41	0.0	0.0
LAB*LABgf	95.41	0.0	0.0
LAB*LABgg	95.41	0.0	0.0
LAB*LABgh	95.41	0.0	0.0
LAB*LABgi	95.41	0.0	0.0
LAB*LABgj	95.41	0.0	0.0
LAB*LABgk	95.41	0.0	0.0
LAB*LABgl	95.41	0.0	0.0
LAB*LABgm	95.41	0.0	0.0
LAB*LABgn	95.41	0.0	0.0
LAB*LABgo	95.41	0.0	0.0
LAB*LABgp	95.41	0.0	0.0
LAB*LABgq	95.41	0.0	0.0
LAB*LABgr	95.41	0.0	0.0
LAB*LABgs	95.41	0.0	0.0
LAB*LABgt	95.41	0.0	0.0
LAB*LABgu	95.41	0.0	0.0
LAB*LABgv	95.41	0.0	0.0
LAB*LABgw	95.41	0.0	0.0
LAB*LABgx	95.41	0.0	0.0
LAB*LABgy	95.41	0.0	0.0
LAB*LABgz	95.41	0.0	0.0
LAB*LABha	95.41	0.0	0.0
LAB*LABhb	95.41	0.0	0.0
LAB*LABhc	95.41	0.0	0.0
LAB*LABhd	95.41	0.0	0.0
LAB*LABhe	95.41	0.0	0.0
LAB*LABhf	95.41	0.0	0.0
LAB*LABhg	95.41	0.0	0.0
LAB*LABhh	95.41	0.0	0.0
LAB*LABhi	95.41	0.0	0.0
LAB*LABhj	95.41	0.0	0.0
LAB*LABhk	95.41	0.0	0.0
LAB*LABhl	95.41	0.0	0.0
LAB*LABhm	95.41	0.0	0.0
LAB*LABhn	95.41	0.0	0.0
LAB*LABho	95.41	0.0	0.0
LAB*LABhp	95.41	0.0	0.0
LAB*LABhq	95.41	0.0	0.0
LAB*LABhr	95.41	0.0	0.0
LAB*LABhs	95.41	0.0	0.0
LAB*LABht	95.41	0.0	0.0
LAB*LABhu	95.41	0.0	0.0
LAB*LABhv	95.41	0.0	0.0
LAB*LABhw	95.41	0.0	0.0
LAB*LABhx	95.41	0.0	0.0
LAB*LABhy	95.41	0.0	0.0
LAB*LABhz	95.41	0.0	0.0
LAB*LABia	95.41	0.0	0.0
LAB*LABib	95.41	0.0	0.0
LAB*LABic	95.41	0.0	0.0
LAB*LABid	95.41	0.0	0.0
LAB*LABie	95.41	0.0	0.0
LAB*LABif	95.41	0.0	0.0
LAB*LABig	95.41	0.0	0.0
LAB*LABih	95.41	0.0	0.0
LAB*LABii	95.41	0.0	0.0
LAB*LABij	95.41	0.0	0.0
LAB*LABik	95.41	0.0	0.0
LAB*LABil	95.41	0.0	0.0
LAB*LABim	95.41	0.0	0.0
LAB*LABin	95.41	0.0	0.0
LAB*LABio	95.41	0.0	0.0
LAB*LABip	95.41	0.0	0.0
LAB*LABiq	95.41	0.0	0.0
LAB*LABir	95.41	0.0	0.0
LAB*LABis	95.41	0.0	0.0
LAB*LABit	95.41	0.0	0.0
LAB*LABiu	95.41	0.0	0.0
LAB*LABiv	95.41	0.0	0.0
LAB*LABiw	95.41	0.0	0.0
LAB*LABix	95.41	0.0	0.0
LAB*LABiy	95.41	0.0	0.0
LAB*LABiz	95.41	0.0	0.0
LAB*LABja	95.41	0.0	0.0
LAB*LABjb	95.41	0.0	0.0
LAB*LABjc	95.41	0.0	0.0
LAB*LABjd	95.41	0.0	0.0
LAB*LABje	95.41	0.0	0.0
LAB*LABjf	95.41	0.0	0.0
LAB*LABjg	95.41	0.0	0.0
LAB*LABjh	95.41	0.0	0.0
LAB*LABji	95.41	0.0	0.0
LAB*LABjj	95.41	0.0	0.0
LAB*LABjk	95.41	0.0	0.0
LAB*LABjl	95.41	0.0	0.0
LAB*LABjm	95.41	0.0	0.0
LAB*LABjn	95.41	0.0	0.0
LAB*LABjo	95.41	0.0	0.0
LAB*LABjp	95.41	0.0	0.0
LAB*LABjq	95.41	0.0	0.0
LAB*LABjr	95.41	0.0	0.0
LAB*LABjs	95.41	0.0	0.0
LAB*LABjt	95.41	0.0	0.0
LAB*LABju	95.41	0.0	0.0
LAB*LABjv	95.41	0.0	0.0
LAB*LABjw	95.41	0.0	0.0
LAB*LABjx	95.41	0.0	0.0
LAB*LABjy	95.41	0.0	0.0
LAB*LABjz	95.41	0.0	0.0
LAB*LABka	95.41	0.0	0.0
LAB*LABkb	95.41	0.0	0.0
LAB*LABkc	95.41	0.0	0.0
LAB*LABkd	95.41	0.0	0.0
LAB*LABke	95.41	0.0	0.0
LAB*LABkf	95.41	0.0	0.0
LAB*LABkg	95.41	0.0	0.0
LAB*LABkh	95.41	0.0	0.0
LAB*LABki	95.41	0.0	0.0
LAB*LABkj	95.41	0.0	0.0
LAB*LABkk	95.41	0.0	0.0
LAB*LABkl	95.41	0.0	0.0
LAB*LABkm	95.41	0.0	0.0
LAB*LABkn	95.41	0.0	0.0
LAB*LABko	95.41	0.0	0.0
LAB*LABkp	95.41	0.0	0.0
LAB*LABkq	95.41	0.0	0.0
LAB*LABkr	95.41	0.0	0.0
LAB*LABks	95.41	0.0	0.0
LAB*LABkt	95.41	0.0	0.0
LAB*LABku	95.41	0.0	0.0
LAB*LABkv	95.41	0.0	0.0
LAB*LABkw	95.41	0.0	0.0
LAB*LABkx	95.41	0.0	0.0

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

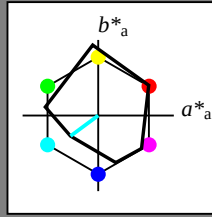
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

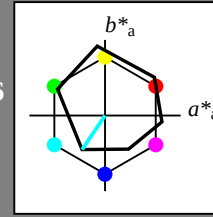
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	95.41	-0.37	4.75	0.0
LAB*LABa	95.41	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	76.06	0.0	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	77.01	-15.79	18.98	0.0
LAB*LABa	77.01	-15.16	-22.5	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.25	0.0	0.0
LAB*LAB	77.01	-15.79	18.98	0.0
LAB*LABa	77.01	-15.16	-22.5	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

LAB*TCHa	75.0	27.15	236.01
relative CIELAB lab*			
lab*lab	0.762	-0.278	-0.413
lab*tch	0.75	0.5	0.656
lab*nch	0.0	0.5	0.656
relative Natural Colour (NC)			
lab*lrj	0.762	-0.247	-0.433
lab*tce	0.75	0.5	0.667
lab*nce	0.0	0.5	g66b

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

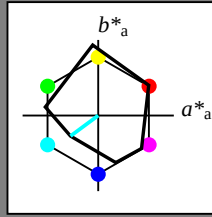
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

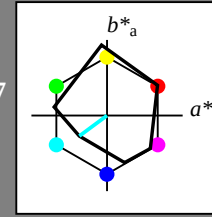
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 217/360 = 0.601 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

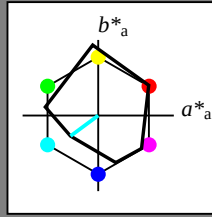
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

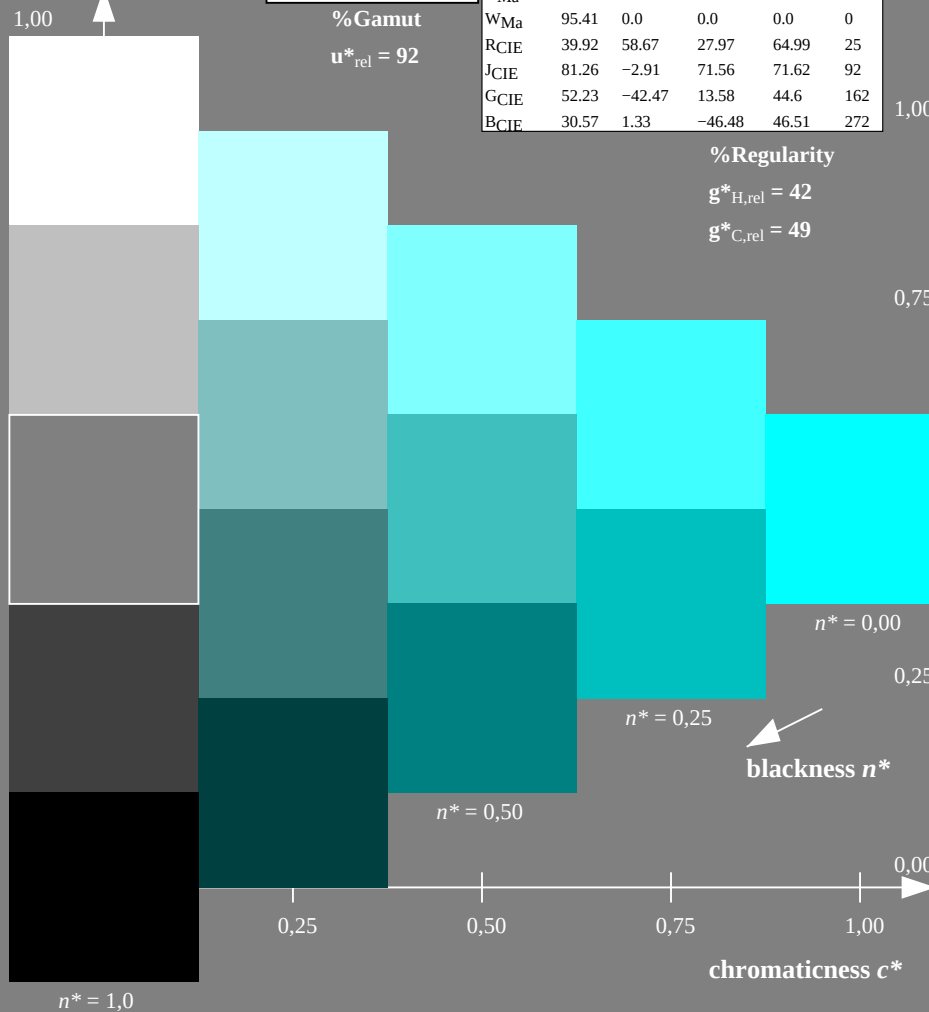
rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

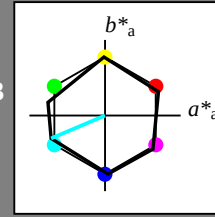
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

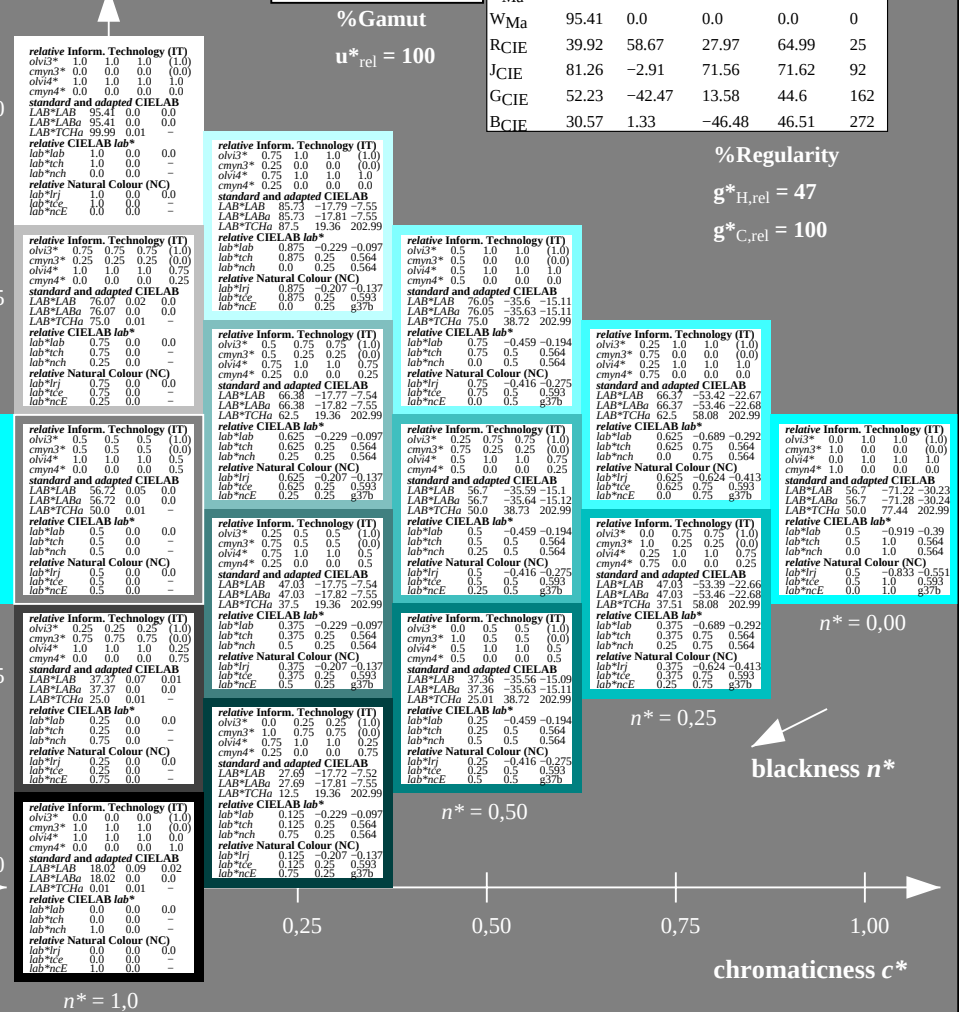
rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$



5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

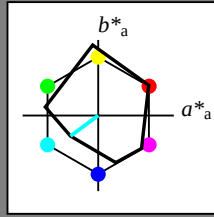
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

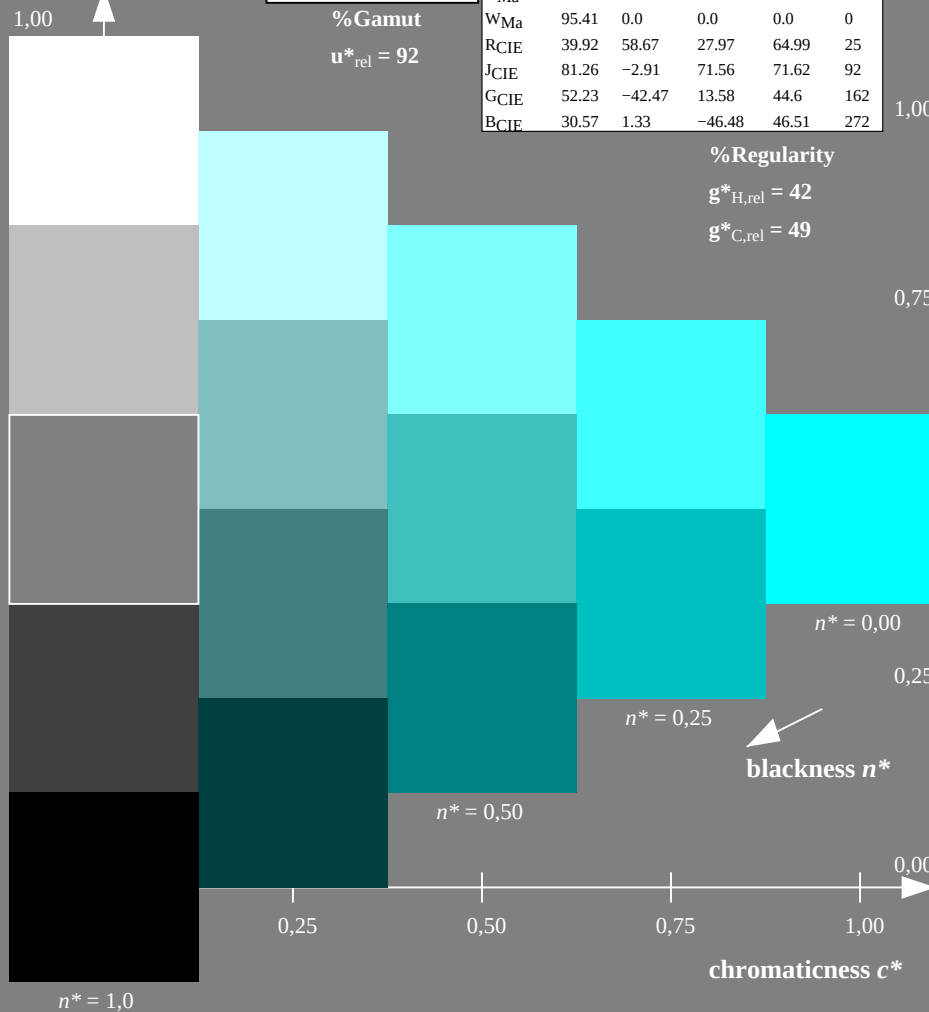
rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

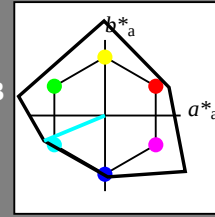
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

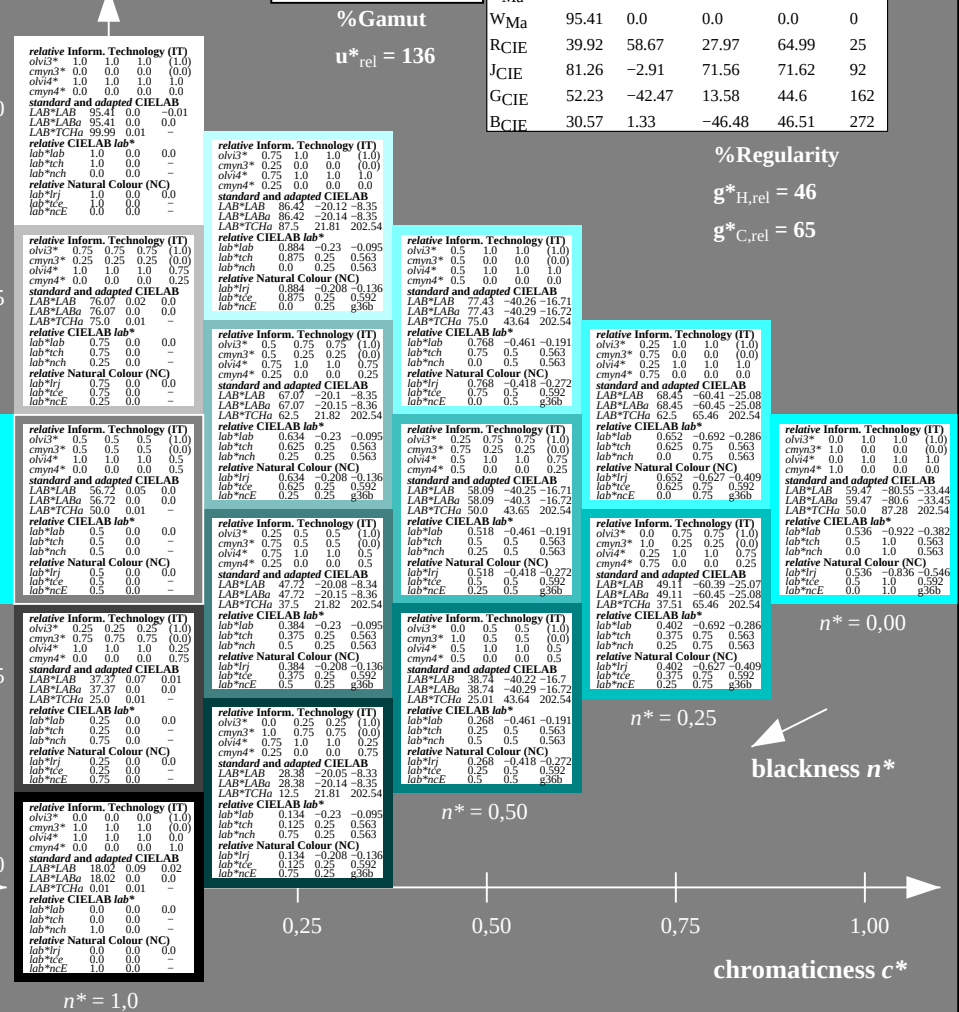
rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.01	0.01		
LAB*LABa	37.37	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	1.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	0.75	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	86.42	-20.12	-8.35		
LAB*LABa	86.42	-20.14	-8.35		
LAB*TC _{Ma}	87.5	21.81	202.54		
relative CIELAB lab*					
lab*lab	0.884	-0.23	-0.095		
lab*tch	0.875	0.25	0.563		
lab*nch	0.5	0.5	0.563		
relative Natural Colour (NC)					
lab*trj	0.884	-0.208	-0.136		
lab*tce	0.875	0.25	0.592		
lab*nce	0.5	0.25	0.966		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	67.07	-20.1	-8.35		
LAB*LABa	67.07	-20.15	-8.36		
LAB*TC _{Ma}	62.5	21.82	202.54		
relative CIELAB lab*					
lab*lab	0.634	-0.23	-0.095		
lab*tch	0.625	0.25	0.563		
lab*nch	0.25	0.25	0.563		
relative Natural Colour (NC)					
lab*trj	0.634	-0.208	-0.136		
lab*tce	0.625	0.25	0.592		
lab*nce	0.25	0.25	0.966		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.75	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.72	-20.08	-8.34		
LAB*LABa	47.72	-20.15	-8.36		
LAB*TC _{Ma}	37.5	21.82	202.54		
relative CIELAB lab*					
lab*lab	0.384	-0.23	-0.095		
lab*tch	0.375	0.25	0.563		
lab*nch	0.5	0.25	0.563		
relative Natural Colour (NC)					
lab*trj	0.384	-0.208	-0.136		
lab*tce	0.375	0.25	0.592		
lab*nce	0.5	0.25	0.966		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.25	(1.0)	
cmyn3*	1.0	0.75	0.75	(0.0)	
olvi4*	0.75	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	28.38	-20.05	-8.33		
LAB*LABa	28.38	-20.14	-8.35		
LAB*TC _{Ma}	12.5	21.81	202.54		
relative CIELAB lab*					
lab*lab	0.134	-0.23	-0.095		
lab*tch	0.125	0.25	0.563		
lab*nch	0.75	0.25	0.563		
relative Natural Colour (NC)					
lab*trj	0.134	-0.208	-0.136		
lab*tce	0.125	0.25	0.592		
lab*nce	0.75	0.25	0.966		

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	1.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olvi4*	0.5	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	77.43	-40.26	-16.71		
LAB*LABa	77.43	-40.29	-16.72		
LAB*TC _{Ma}	75.0	43.64	202.54		
relative CIELAB lab*					
lab*lab	0.768	-0.461	-0.191		
lab*tch	0.75	0.5	0.563		
lab*nch	0.0	0.5	0.563		
relative Natural Colour (NC)					
lab*trj	0.768	-0.418	-0.272		
lab*tce	0.75	0.5	0.592		
lab*nce	0.0	0.5	0.966		

relative Inform. Technology (IT)					
olvi3*	0.25	0.75	0.75	(1.0)	
cmyn3*	0.75	0.25	0.25	(0.0)	</

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

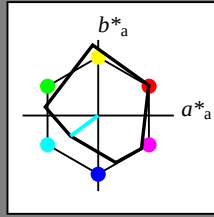
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

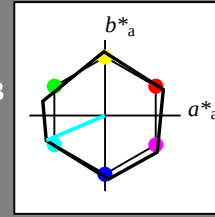
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

chromaticness c^*

blackness n^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

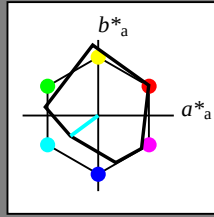
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

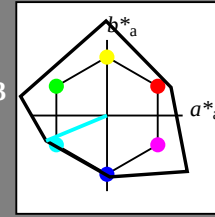
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

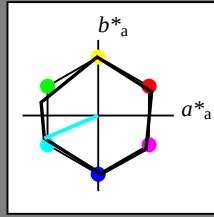
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

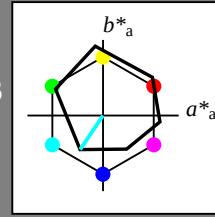
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

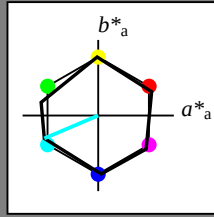
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

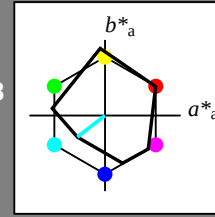
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

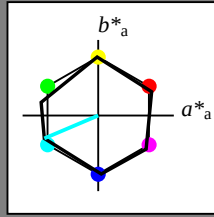
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

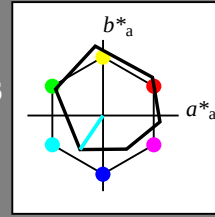
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	1.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	86.21	-0.38	-7.1		
LAB*LABa	86.21	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.881	-0.139	-0.206		
lab*ch	0.875	0.25	0.656		
lab*nch	0.0	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.881	0.123	-0.216		
lab*nce	0.0	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.86	-0.01	-8.41		
LAB*LABa	66.86	-7.58	-11.25		
relative CIELAB lab*					
lab*lab	0.631	-0.139	-0.206		
lab*ch	0.625	0.25	0.656		
lab*nch	0.25	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.631	0.123	-0.216		
lab*nce	0.25	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.75	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	57.66	-15.42	-20.29		
LAB*LABa	57.66	-15.17	-22.5		
relative CIELAB lab*					
lab*lab	0.512	-0.279	-0.414		
lab*ch	0.5	0.25	0.656		
lab*nch	0.25	0.5	0.656		
relative Natural Colour (NC)					
lab*trj	0.512	-0.247	-0.433		
lab*nce	0.25	0.5	0.656		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.5	(1.0)	
cmyn3*	1.0	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	38.32	-15.05	-21.59		
LAB*LABa	38.32	-15.16	-22.5		
relative CIELAB lab*					
lab*lab	0.262	-0.278	-0.413		
lab*ch	0.25	0.5	0.656		
lab*nch	0.5	0.5	0.656		
relative Natural Colour (NC)					
lab*trj	0.262	-0.247	-0.433		
lab*nce	0.25	0.5	0.656		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.25	(1.0)	
cmyn3*	1.0	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	28.17	-7.27	-11.02		
LAB*LABa	28.17	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.131	-0.139	-0.206		
lab*ch	0.125	0.25	0.656		
lab*nch	0.75	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.131	0.123	-0.216		
lab*nce	0.75	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	1.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	77.01	-15.79	-18.98		
LAB*LABa	77.01	-15.16	-22.5		
relative CIELAB lab*					
lab*lab	0.762	-0.278	-0.413		
lab*ch	0.75	0.25	0.656		
lab*nch	0.0	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.762	-0.247	-0.433		

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

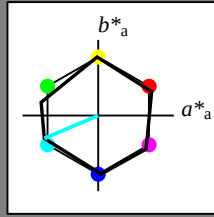
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

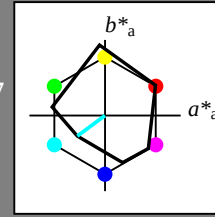
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 217/360 = 0.601 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

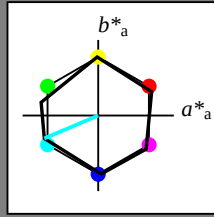
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
N _{Ma}	18.01	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

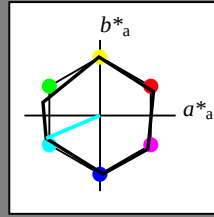
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
N _{Ma}	18.01	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

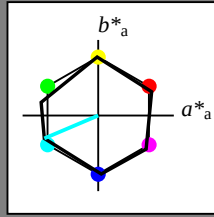
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

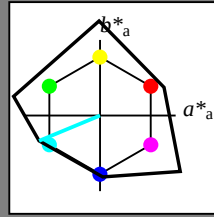
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

0,25

0,00

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

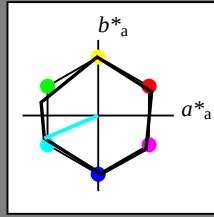
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

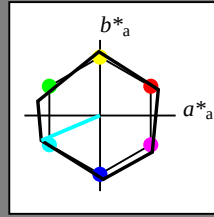
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

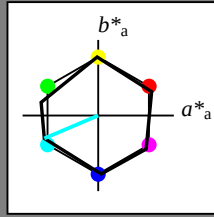
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

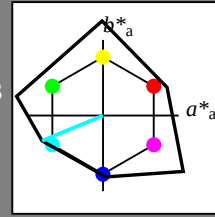
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

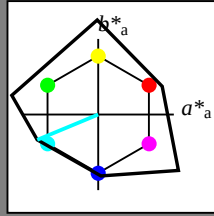
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

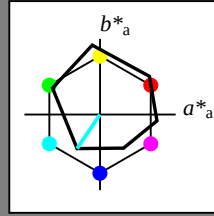
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	1.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	0.75	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	86.21	-0.38	-7.1		
LAB*LABa	86.21	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.881	-0.139	-0.206		
lab*lab	0.875	0.25	0.656		
lab*nch	0.0	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.881	-0.123	-0.216		
lab*nce	0.0	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.86	-0.01	-8.41		
LAB*LABa	66.86	-7.58	-11.25		
relative CIELAB lab*					
lab*lab	0.631	-0.139	-0.206		
lab*lab	0.625	0.25	0.656		
lab*nch	0.25	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.631	-0.123	-0.216		
lab*nce	0.25	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.75	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.51	-7.64	-9.72		
LAB*LABa	47.51	-7.58	-11.25		
relative CIELAB lab*					
lab*lab	0.381	-0.139	-0.206		
lab*lab	0.375	0.25	0.656		
lab*nch	0.5	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.381	-0.123	-0.216		
lab*nce	0.5	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.25	(1.0)	
cmyn3*	1.0	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	28.17	-7.27	-11.02		
LAB*LABa	28.17	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.131	-0.139	-0.206		
lab*lab	0.125	0.25	0.656		
lab*nch	0.75	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.131	-0.123	-0.216		
lab*nce	0.75	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	1.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olvi4*	0.5	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	77.01	-15.79	-18.98		
LAB*LABa	77.01	-15.16	-22.5		
relative CIELAB lab*					
lab*lab	0.762	-0.278	-0.413		
lab*lab	0.75	0.25	0.656		
lab*nch	0.0	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.762	-0.247	-0.433		
lab*nce	0.0	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.25	0.75	0.75	(1.0)	
cmyn3*	0.75	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	57.66	-15.42	-20.29		
LAB*LABa	57.66	-15.17	-22.5		
relative CIELAB lab*					
lab*lab	0.512	-0.279	-0.414		
lab*lab	0.5	0.25	0.656		
lab*nch	0.25	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.512	-0.247	-0.433		
lab*nce	0.25	0.25	0.656		

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

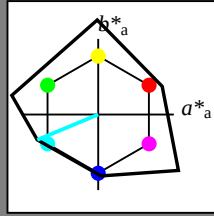
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

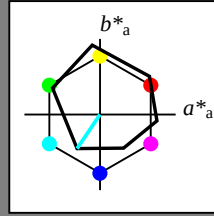
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	86.21	-6.38	-7.1	13.57	236.01
LAB*LABa	86.21	-7.58	-11.24	13.57	236.01
LAB*LABb	86.21	-7.58	-11.24	13.57	236.01
LAB*LABc	86.21	-7.58	-11.24	13.57	236.01
LAB*LABd	86.21	-7.58	-11.24	13.57	236.01
LAB*LABe	86.21	-7.58	-11.24	13.57	236.01
LAB*LABf	86.21	-7.58	-11.24	13.57	236.01
LAB*LABg	86.21	-7.58	-11.24	13.57	236.01
LAB*LABh	86.21	-7.58	-11.24	13.57	236.01
LAB*LABi	86.21	-7.58	-11.24	13.57	236.01
LAB*LABj	86.21	-7.58	-11.24	13.57	236.01
LAB*LABk	86.21	-7.58	-11.24	13.57	236.01
LAB*LABl	86.21	-7.58	-11.24	13.57	236.01
LAB*LABm	86.21	-7.58	-11.24	13.57	236.01
LAB*LABn	86.21	-7.58	-11.24	13.57	236.01
LAB*LABo	86.21	-7.58	-11.24	13.57	236.01
LAB*LABp	86.21	-7.58	-11.24	13.57	236.01
LAB*LABq	86.21	-7.58	-11.24	13.57	236.01
LAB*LABr	86.21	-7.58	-11.24	13.57	236.01
LAB*LABs	86.21	-7.58	-11.24	13.57	236.01
LAB*LABt	86.21	-7.58	-11.24	13.57	236.01
LAB*LABu	86.21	-7.58	-11.24	13.57	236.01
LAB*LABv	86.21	-7.58	-11.24	13.57	236.01
LAB*LABw	86.21	-7.58	-11.24	13.57	236.01
LAB*LABx	86.21	-7.58	-11.24	13.57	236.01
LAB*LABy	86.21	-7.58	-11.24	13.57	236.01
LAB*LABz	86.21	-7.58	-11.24	13.57	236.01

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	86.21	-6.38	-7.1	13.57	236.01
LAB*LABa	86.21	-7.58	-11.24	13.57	236.01
LAB*LABb	86.21	-7.58	-11.24	13.57	236.01
LAB*LABc	86.21	-7.58	-11.24	13.57	236.01
LAB*LABd	86.21	-7.58	-11.24	13.57	236.01
LAB*LABe	86.21	-7.58	-11.24	13.57	236.01
LAB*LABf	86.21	-7.58	-11.24	13.57	236.01
LAB*LABg	86.21	-7.58	-11.24	13.57	236.01
LAB*LABh	86.21	-7.58	-11.24	13.57	236.01
LAB*LABi	86.21	-7.58	-11.24	13.57	236.01
LAB*LABj	86.21	-7.58	-11.24	13.57	236.01
LAB*LABk	86.21	-7.58	-11.24	13.57	236.01
LAB*LABl	86.21	-7.58	-11.24	13.57	236.01
LAB*LABm	86.21	-7.58	-11.24	13.57	236.01
LAB*LABn	86.21	-7.58	-11.24	13.57	236.01
LAB*LABo	86.21	-7.58	-11.24	13.57	236.01
LAB*LABp	86.21	-7.58	-11.24	13.57	236.01
LAB*LABq	86.21	-7.58	-11.24	13.57	236.01
LAB*LABr	86.21	-7.58	-11.24	13.57	236.01
LAB*LABs	86.21	-7.58	-11.24	13.57	236.01
LAB*LABt	86.21	-7.58	-11.24	13.57	236.01
LAB*LABu	86.21	-7.58	-11.24	13.57	236.01
LAB*LABv	86.21	-7.58	-11.24	13.57	236.01
LAB*LABw	86.21	-7.58	-11.24	13.57	236.01
LAB*LABx	86.21	-7.58	-11.24	13.57	236.01
LAB*LABy	86.21	-7.58	-11.24	13.57	236.01
LAB*LABz	86.21	-7.58	-11.24	13.57	236.01

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	86.21	-6.38	-7.1	13.57	236.01
LAB*LABa	86.21	-7.58	-11.24	13.57	236.01
LAB*LABb	86.21	-7.58	-11.24	13.57	236.01
LAB*LABc	86.21	-7.58	-11.24	13.57	236.01
LAB*LABd	86.21	-7.58	-11.24	13.57	236.01
LAB*LABe	86.21	-7.58	-11.24	13.57	236.01
LAB*LABf	86.21	-7.58	-11.24	13.57	236.01
LAB*LABg	86.21	-7.58	-11.24	13.57	236.01
LAB*LABh	86.21	-7.58	-11.24	13.57	236.01
LAB*LABi	86.21	-7.58	-11.24	13.57	236.01
LAB*LABj	86.21	-7.58	-11.24	13.57	236.01
LAB*LABk	86.21	-7.58	-11.24	13.57	236.01
LAB*LABl	86.21	-7.58	-11.24	13.57	236.01
LAB*LABm	86.21	-7.58	-11.24	13.57	236.01
LAB*LABn	86.21	-7.58	-11.24	13.57	236.01
LAB*LABo	86.21	-7.58	-11.24	13.57	236.01
LAB*LABp	86.21	-7.58	-11.24	13.57	236.01
LAB*LABq	86.21	-7.58	-11.24	13.57	236.01
LAB*LABr	86.21	-7.58	-11.24	13.57	236.01
LAB*LABs	86.21	-7.58	-11.24	13.57	236.01
LAB*LABt	86.21	-7.58	-11.24	13.57	236.01
LAB*LABu	86.21	-7.58	-11.24	13.57	236.01
LAB*LABv	86.21	-7.58	-11.24	13.57	236.01
LAB*LABw	86.21	-7.58	-11.24	13.57	236.01
LAB*LABx	86.21	-7.58	-11.24	13.57	236.01
LAB*LABy	86.21	-7.58	-11.24	13.57	236.01
LAB*LABz	86.21	-7.58	-11.24	13.57	236.01

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	86.21	-6.38	-7.1	13.57	236.01
LAB*LABa	86.21	-7.58	-11.24	13.57	236.01
LAB*LABb	86.21	-7.58	-11.24	13.57	236.01
LAB*LABc	86.21	-7.58	-11.24	13.57	236.01
LAB*LABd	86.21	-7.58	-11.24	13.57	236.01
LAB*LABe	86.21	-7.58	-11.24	13.57	236.01
LAB*LABf	86.21	-7.58	-11.24	13.57	236.01
LAB*LABg	86.21	-7.58	-11.24	13.57	236.01
LAB*LABh	86.21	-7.58	-11.24	13.57	236.01
LAB*LABi	86.21	-7.58	-11.24	13.57	236.01
LAB*LABj	86.21	-7.58	-11.24	13.57	236.01
LAB*LABk	86.21	-7.58	-11.24	13.57	236.01
LAB*LABl	86.21	-7.58	-11.24	13.57	236.01
LAB*LABm	86.21	-7.58	-11.24	13.57	236.01
LAB*LABn	86.21	-7.58	-11.24	13.57	236.01
LAB*LABo	86.21	-7.58	-11.24	13.57	236.01
LAB*LABp	86.21	-7.58	-11.24	13.57	236.01
LAB*LABq	86.21	-7.58	-11.24	13.57	236.01
LAB*LABr	86.21	-7.58	-11.24	13.57	236.01
LAB*LABs	86.21	-7.58	-11.24	13.57	236.01
LAB*LABt	86.21	-7.58	-11.24	13.57	236.01
LAB*LABu	86.21	-7.58	-11.24	13.57	236.01
LAB*LABv	86.21	-7.58	-11.24	13.57	236.01
LAB*LABw	86.21	-7.58	-11.24	13.57	236.01
LAB*LABx	86.21	-7.58	-11.24	13.57	236.01
LAB*LABy	86.21	-7.58	-11.24	13.57	236.01
LAB*LABz	86.21	-7.58	-11.24	13.57	236.01

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.25	0.0	0.0	(1.0)
LAB*LAB	86.21	-6.38	-7.1	13.57	236.01
LAB*LABa	86.21	-7.58	-11.24	13.57	236.01
LAB*LABb	86.21	-7.58	-11.24	13.57	236.01
LAB*LABc	86.21	-7.58	-11.24	13.57	236.01
LAB*LABd	86.21	-7.58	-11.24	13.57	236.01
LAB*LABe	86.21	-7.58	-11.24	13.57	236.01
LAB*LABf	86.21	-7.58	-11.24	13.57	236.01
LAB*LABg	86.21	-7.58	-11.24	13.57	236.01
LAB*LABh	86.21	-7.58	-11.24	13.57	236.01
LAB*LABi	86.21	-7.58	-11.24	13.57	236.01
LAB*LABj	86.21	-7.58	-11.24	13.57	236.01
LAB*LABk	86.21	-7.58	-11.24	13.57	236.01
LAB*LABl	86.21	-7.58	-11.24	13.57	236.01
LAB*LABm	86.21	-7.58	-11.24	13.57	236.01
LAB*LABn	86.21	-7.58	-11.24	13.57	236.01
LAB*LABo	86.21	-7.58	-11.24	13.57	236.01
LAB*LABp	86.21	-7.58	-11.24	13.57	236.01
LAB*LABq	86.21	-7.58	-11.24	13.57	236.01
LAB*LABr	86.21	-7.58	-11.24	13.57	236.01
LAB*LABs	86.21	-7.58	-11.24	13.57	236.01
LAB*LABt	86.21	-7.58	-11.24	13.57	236.01
LAB*LABu	86.21	-7.58	-11.24	13.57	236.01
LAB*LABv	86.21	-7.58	-11.24	13.57	236.01
LAB*LABw	86.21	-7.58	-11.24	13.57	236.01
LAB*LABx	86.21	-7.58	-11.24	13.57	236.01

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

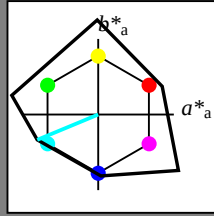
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

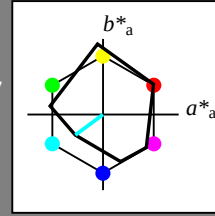
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 217/360 = 0.601 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

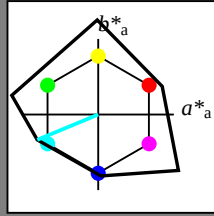
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

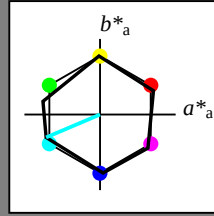
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

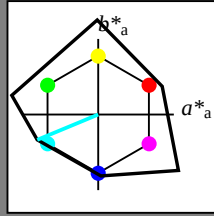
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

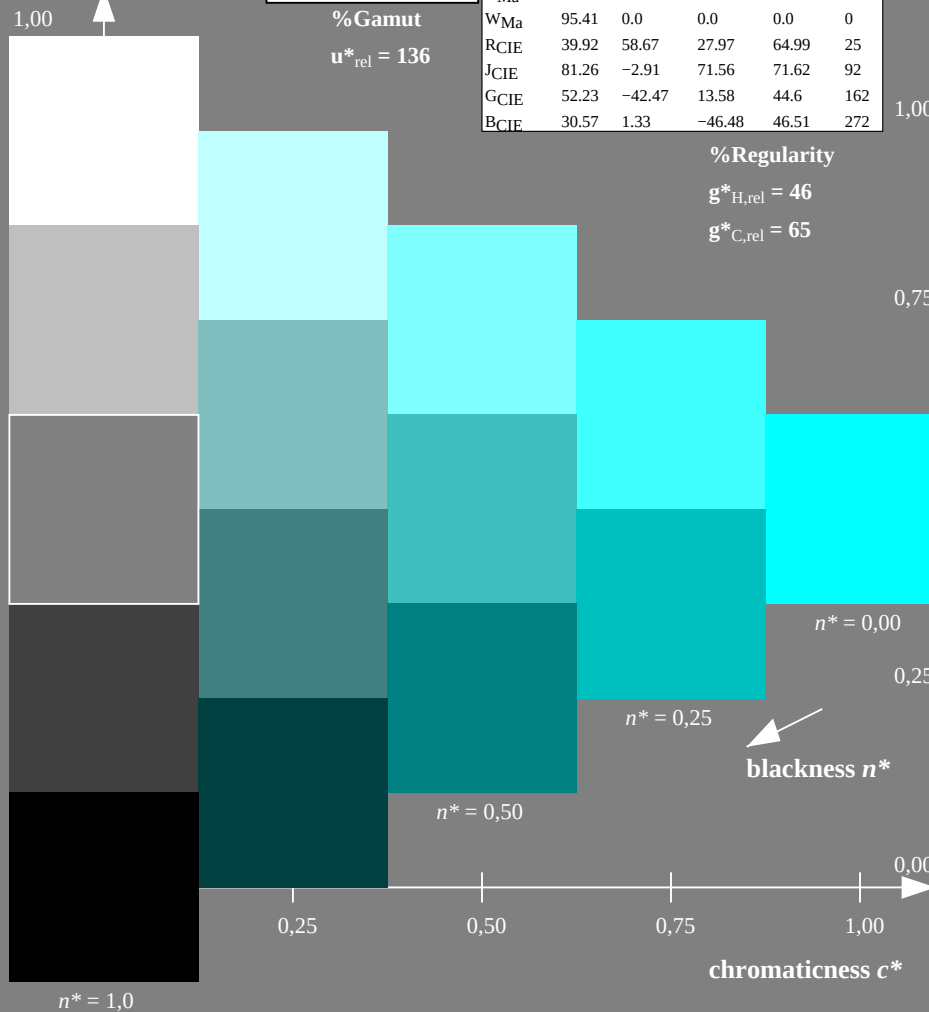
rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

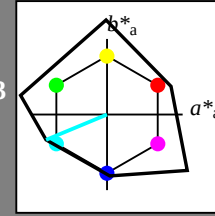
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

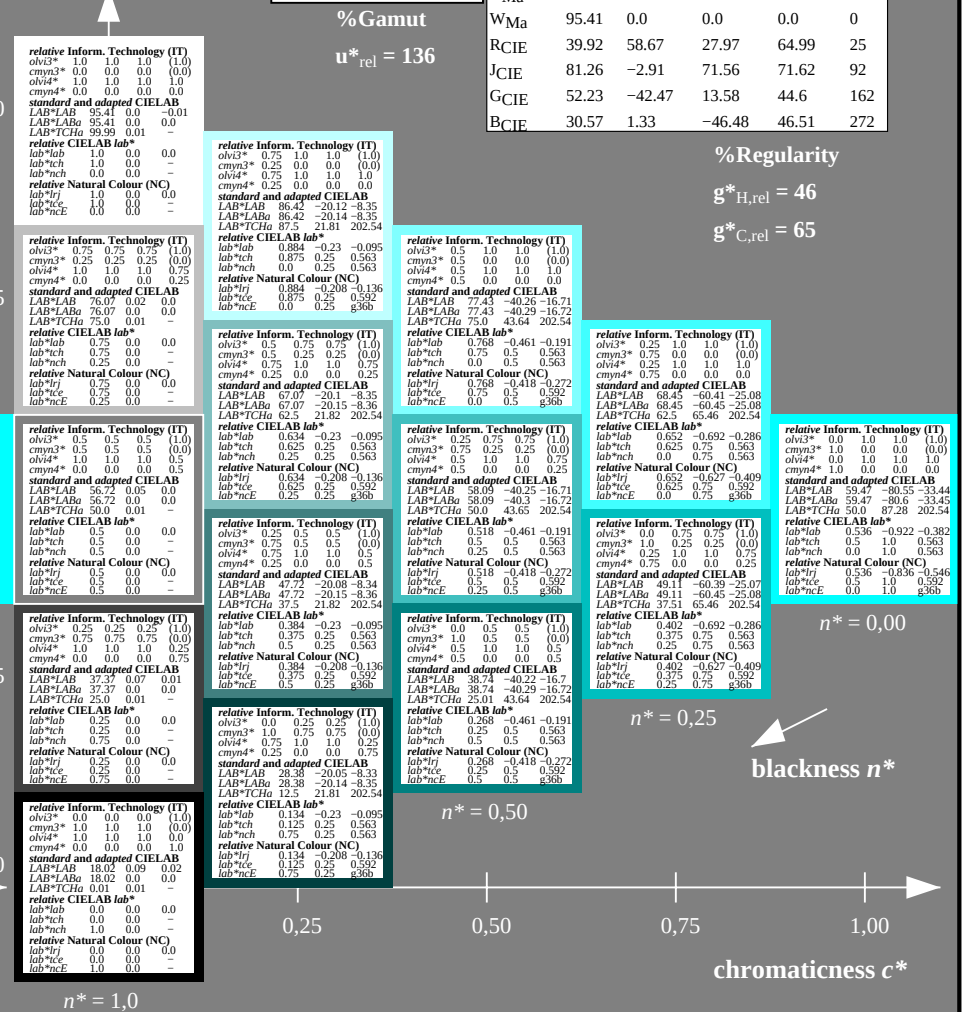
rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*TCHa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCHa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.01		
LAB*LABa	37.37	0.0	0.0		
LAB*TCHa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	-		

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	1.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	0.75	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	86.42	-20.12	-8.35		
LAB*LABa	86.42	-20.14	-8.35		
LAB*TCHa	87.5	21.81	202.54		
relative CIELAB lab*					
lab*lab	0.884	-0.23	-0.095		
lab*ch	0.875	0.25	0.563		
lab*nch	0.5	0.5	0.563		
relative Natural Colour (NC)					
lab*trj	0.884	-0.208	-0.136		
lab*nce	0.25	0.25	0.592		
lab*nce	0.0	0.25	0.366		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	67.07	-20.1	-8.35		
LAB*LABa	67.07	-20.15	-8.36		
LAB*TCHa	62.5	21.82	202.54		
relative CIELAB lab*					
lab*lab	0.634	-0.23	-0.095		
lab*ch	0.625	0.25	0.563		
lab*nch	0.25	0.25	0.563		
relative Natural Colour (NC)					
lab*trj	0.634	-0.208	-0.136		
lab*nce	0.625	0.25	0.592		
lab*nce	0.25	0.25	0.366		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.75	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	58.09	-40.3	-16.72		
LAB*LABa	58.09	-40.3	-16.72		
LAB*TCHa	50.0	43.64	202.54		
relative CIELAB lab*					
lab*lab	0.518	-0.461	-0.191		
lab*ch	0.518	0.25	0.563		
lab*nch	0.25	0.5	0.563		
relative Natural Colour (NC)					
lab*trj	0.518	-0.418	-0.272		
lab*nce	0.5	0.25	0.592		
lab*nce	0.25	0.5	0.366		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.5	(1.0)	
cmyn3*	1.0	0.25	0.25	(0.0)	
olvi4*	0.25	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	38.74	-40.22	-16.7		
LAB*LABa	38.74	-40.29	-16.72		
LAB*TCHa	25.01	43.64	202.54		
relative CIELAB lab*					
lab*lab	0.268	-0.461	-0.191		
lab*ch	0.25	0.5	0.563		
lab*nch	0.5	0.5	0.563		
relative Natural Colour (NC)					
lab*trj	0.268	-0.418	-0.272		
lab*nce	0.25	0.5	0.592		
lab*nce	0.5	0.5	0.366		

relative Inform. Technology (IT)					
olvi3*	0.25	1.0	1.0	(1.0)	
cmyn3*	0.75	0.0	0.0	(0.0)	
olvi4*	0.25	1.0	1.0	(1.0)	
cmyn4*	0.75	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	68.45	-60.41	-25.08		
LAB*LABa	68.45	-60.45	-25.08		
LAB*TCHa	62.5	65.46	202.54		
relative CIELAB lab*					
lab*lab	0.652	-0.692	-0.286		
lab*ch	0.625	0.75	0.563		
lab*nch	0.0	0.75	0.563		
relative Natural Colour (NC)					
lab*trj	0.652	-0.627	-0.409		
lab*nce	0.625	0.75	0.592		
lab*nce	0.0	0.75	0.366		

relative CIELAB Lab				
LAB*ThC	62.25	6.56	202.54	
lab*ch	0.652	-0.692	-0.286	
lab*ch	0.625	0.75	0.563	
lab*nc	0.0	0.75	0.563	
relative Natural Colour (NC)				
lab*trj	0.652	-0.627	-0.409	
lab*trj	0.625	0.75	0.592	
lab*ncE	0.0	0.75	0.563	
relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*ThC	49.11	-60.49	-25.08	
LAB*ThC	37.51	65.46	202.54	
relative CIELAB Lab				
lab*ch	0.402	-0.692	-0.286	
lab*ch	0.375	0.75	0.563	
lab*nc	0.0	0.75	0.563	
relative Natural Colour (NC)				
lab*trj	0.402	-0.627	-0.409	
lab*trj	0.375	0.75	0.592	
lab*ncE	0.0	0.75	0.563	

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

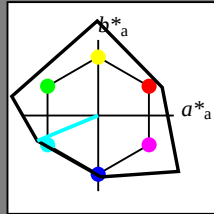
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

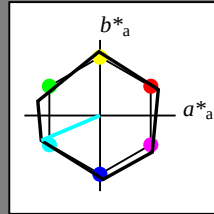
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	74.31	0.0	0.0	0.0	0.0
LAB*LABc	74.31	0.0	0.0	0.0	0.0
LAB*LABd	74.31	0.0	0.0	0.0	0.0
LAB*LABe	74.31	0.0	0.0	0.0	0.0
LAB*LABf	74.31	0.0	0.0	0.0	0.0
LAB*LABg	74.31	0.0	0.0	0.0	0.0
LAB*LABh	74.31	0.0	0.0	0.0	0.0
LAB*LABi	74.31	0.0	0.0	0.0	0.0
LAB*LABj	74.31	0.0	0.0	0.0	0.0
LAB*LABk	74.31	0.0	0.0	0.0	0.0
LAB*LABl	74.31	0.0	0.0	0.0	0.0
LAB*LABm	74.31	0.0	0.0	0.0	0.0
LAB*LABn	74.31	0.0	0.0	0.0	0.0
LAB*LABo	74.31	0.0	0.0	0.0	0.0
LAB*LABp	74.31	0.0	0.0	0.0	0.0
LAB*LABq	74.31	0.0	0.0	0.0	0.0
LAB*LABr	74.31	0.0	0.0	0.0	0.0
LAB*LABs	74.31	0.0	0.0	0.0	0.0
LAB*LABt	74.31	0.0	0.0	0.0	0.0
LAB*LABu	74.31	0.0	0.0	0.0	0.0
LAB*LABv	74.31	0.0	0.0	0.0	0.0
LAB*LABw	74.31	0.0	0.0	0.0	0.0
LAB*LABx	74.31	0.0	0.0	0.0	0.0
LAB*LABy	74.31	0.0	0.0	0.0	0.0
LAB*LABz	74.31	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	53.21	0.0	0.0	0.0	0.0
LAB*LABa	53.21	0.0	0.0	0.0	0.0
LAB*LABb	53.21	0.0	0.0	0.0	0.0
LAB*LABc	53.21	0.0	0.0	0.0	0.0
LAB*LABd	53.21	0.0	0.0	0.0	0.0
LAB*LABe	53.21	0.0	0.0	0.0	0.0
LAB*LABf	53.21	0.0	0.0	0.0	0.0
LAB*LABg	53.21	0.0	0.0	0.0	0.0
LAB*LABh	53.21	0.0	0.0	0.0	0.0
LAB*LABi	53.21	0.0	0.0	0.0	0.0
LAB*LABj	53.21	0.0	0.0	0.0	0.0
LAB*LABk	53.21	0.0	0.0	0.0	0.0
LAB*LABl	53.21	0.0	0.0	0.0	0.0
LAB*LABm	53.21	0.0	0.0	0.0	0.0
LAB*LABn	53.21	0.0	0.0	0.0	0.0
LAB*LABo	53.21	0.0	0.0	0.0	0.0
LAB*LABp	53.21	0.0	0.0	0.0	0.0
LAB*LABq	53.21	0.0	0.0	0.0	0.0
LAB*LABr	53.21	0.0	0.0	0.0	0.0
LAB*LABs	53.21	0.0	0.0	0.0	0.0
LAB*LABt	53.21	0.0	0.0	0.0	0.0
LAB*LABu	53.21	0.0	0.0	0.0	0.0
LAB*LABv	53.21	0.0	0.0	0.0	0.0
LAB*LABw	53.21	0.0	0.0	0.0	0.0
LAB*LABx	53.21	0.0	0.0	0.0	0.0
LAB*LABy	53.21	0.0	0.0	0.0	0.0
LAB*LABz	53.21	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	32.11	0.0	0.0	0.0	0.0
LAB*LABa	32.11	0.0	0.0	0.0	0.0
LAB*LABb	32.11	0.0	0.0	0.0	0.0
LAB*LABc	32.11	0.0	0.0	0.0	0.0
LAB*LABd	32.11	0.0	0.0	0.0	0.0
LAB*LABe	32.11	0.0	0.0	0.0	0.0
LAB*LABf	32.11	0.0	0.0	0.0	0.0
LAB*LABg	32.11	0.0	0.0	0.0	0.0
LAB*LABh	32.11	0.0	0.0	0.0	0.0
LAB*LABi	32.11	0.0	0.0	0.0	0.0
LAB*LABj	32.11	0.0	0.0	0.0	0.0
LAB*LABk	32.11	0.0	0.0	0.0	0.0
LAB*LABl	32.11	0.0	0.0	0.0	0.0
LAB*LABm	32.11	0.0	0.0	0.0	0.0
LAB*LABn	32.11	0.0	0.0	0.0	0.0
LAB*LABo	32.11	0.0	0.0	0.0	0.0
LAB*LABp	32.11	0.0	0.0	0.0	0.0
LAB*LABq	32.11	0.0	0.0	0.0	0.0
LAB*LABr	32.11	0.0	0.0	0.0	0.0
LAB*LABs	32.11	0.0	0.0	0.0	0.0
LAB*LABt	32.11	0.0	0.0	0.0	0.0
LAB*LABu	32.11	0.0	0.0	0.0	0.0
LAB*LABv	32.11	0.0	0.0	0.0	0.0
LAB*LABw	32.11	0.0	0.0	0.0	0.0
LAB*LABx	32.11	0.0	0.0	0.0	0.0
LAB*LABy	32.11	0.0	0.0	0.0	0.0
LAB*LABz	32.11	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

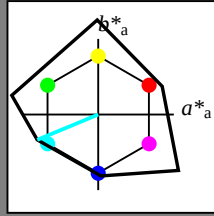
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.28	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

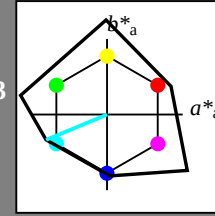
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

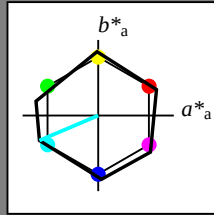
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

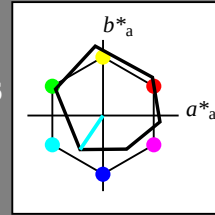
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

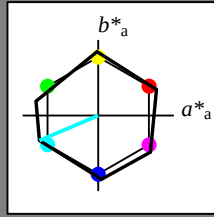
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

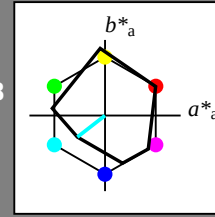
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

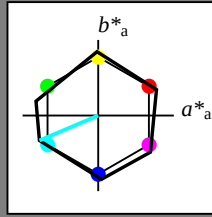
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

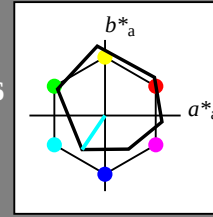
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

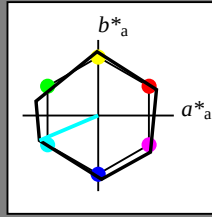
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

0,50

0,25

0,00

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NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

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Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

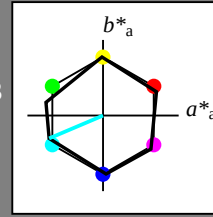
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

0,00

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Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

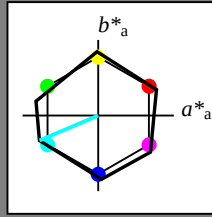
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

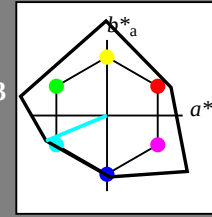
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

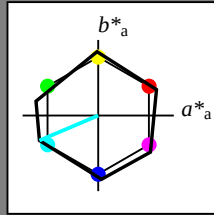
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

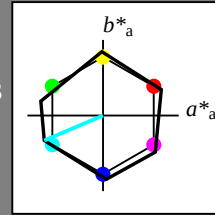
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

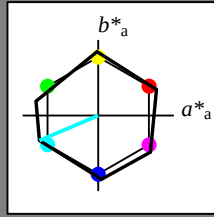
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

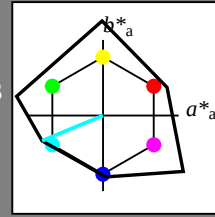
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

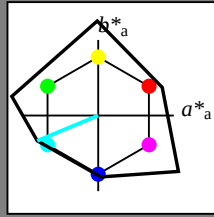
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

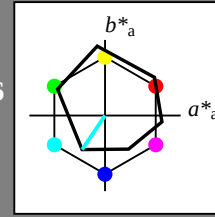
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	1.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	0.75	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	86.21	-0.38	-7.1		
LAB*LABa	86.21	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.881	-0.139	-0.206		
lab*lab	0.875	0.25	0.656		
lab*nch	0.0	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.881	-0.123	-0.216		
lab*nce	0.875	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.86	-0.01	-8.41		
LAB*LABa	66.86	-7.58	-11.25		
relative CIELAB lab*					
lab*lab	0.631	-0.139	-0.206		
lab*lab	0.625	0.25	0.656		
lab*nch	0.25	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.631	-0.123	-0.216		
lab*nce	0.625	0.25	0.656		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.75	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	57.66	-15.42	-20.29		
LAB*LABa	57.66	-15.17	-22.5		
relative CIELAB lab*					
lab*lab	0.512	-0.279	-0.414		
lab*lab	0.5	0.5	0.656		
lab*nch	0.25	0.5	0.656		
relative Natural Colour (NC)					
lab*trj	0.512	-0.247	-0.433		
lab*nce	0.5	0.5	0.656		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.5	(1.0)	
cmyn3*	1.0	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	38.32	-15.05	-21.59		
LAB*LABa	38.32	-15.16	-22.5		
relative CIELAB lab*					
lab*lab	0.262	-0.278	-0.413		
lab*lab	0.25	0.5	0.656		
lab*nch	0.5	0.5	0.656		
relative Natural Colour (NC)					
lab*trj	0.262	-0.247	-0.433		
lab*nce	0.25	0.5	0.656		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.25	(1.0)	
cmyn3*	1.0	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	28.17	-7.27	-11.02		
LAB*LABa	28.17	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.131	-0.139	-0.206		
lab*lab	0.125	0.25	0.656		
lab*nch	0.75	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.131	-0.123	-0.216		
lab*nce	0.125	0.25	0.656		

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

	%Reg
	g*_{H,rel}
	g*

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

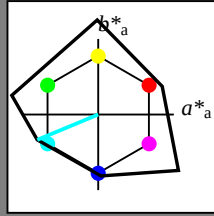
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

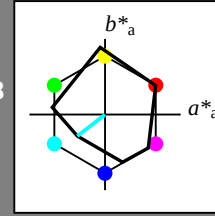
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	1.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	1.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.46	-0.5	-4.51		
LAB*LABa	63.46	-0.5	-4.51		
LAB*LABb	63.46	-0.5	-4.51		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.625	0.25	0.605		
lab*nch	0.25	0.25	0.605		
relative Natural Colour (NC)					
lab*trj	0.587	0.176	-0.176		
lab*tce	0.625	0.25	0.625		
lab*nce	0.25	0.25	0.625		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	50.87	-1.84	-12.48		
LAB*LABa	50.87	-1.84	-12.48		
LAB*LABb	50.87	-1.84	-12.48		
relative CIELAB lab*					
lab*lab	0.425	-0.394	-0.306		
lab*tch	0.425	0.5	0.605		
lab*nch	0.25	0.5	0.605		
relative Natural Colour (NC)					
lab*trj	0.425	-0.353	-0.352		
lab*tce	0.425	0.5	0.625		
lab*nce	0.25	0.5	0.625		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.13	0.83		
LAB*LABb	37.36	0.13	0.83		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.13	0.83		
LAB*LABb	37.36	0.13	0.83		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.5	-0.46		
LAB*LABb	18.02	0.5	-0.46		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.5	-0.46		
LAB*LABb	18.02	0.5	-0.46		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.5	-0.46		
LAB*LABb	18.02	0.5	-0.46		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

Technology (IT)	
1.0	(1.0)
0.0	(0.0)
1.0	1.0
0.0	0.0
red CIELAB	
-27.67	-19.14
-27.42	-21.35

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

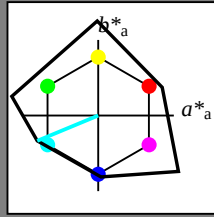
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 236/360 = 0.656$

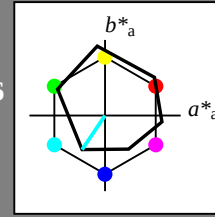
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	1.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	0.75	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	86.21	-0.38	-7.1		
LAB*LABa	86.21	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.881	-0.139	-0.206		
lab*lab	0.875	0.25	0.656		
lab*nch	0.0	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.881	-0.123	-0.216		
lab*nce	0.875	0.25	0.667		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.86	-0.01	-8.41		
LAB*LABa	66.86	-7.58	-11.25		
relative CIELAB lab*					
lab*lab	0.631	-0.139	-0.206		
lab*lab	0.625	0.25	0.656		
lab*nch	0.25	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.631	-0.123	-0.216		
lab*nce	0.625	0.25	0.667		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.75	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	57.66	-15.42	-20.29		
LAB*LABa	57.66	-15.17	-22.5		
relative CIELAB lab*					
lab*lab	0.512	-0.279	-0.414		
lab*lab	0.5	0.5	0.656		
lab*nch	0.25	0.5	0.656		
relative Natural Colour (NC)					
lab*trj	0.512	-0.247	-0.433		
lab*nce	0.5	0.5	0.667		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.25	(1.0)	
cmyn3*	1.0	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	28.17	-7.27	-11.02		
LAB*LABa	28.17	-7.58	-11.24		
relative CIELAB lab*					
lab*lab	0.131	-0.139	-0.206		
lab*lab	0.125	0.25	0.656		
lab*nch	0.75	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.131	-0.123	-0.216		
lab*nce	0.125	0.25	0.667		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	1.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olvi4*	0.5	1.0	1.0	(1.0)	
cmyn4*	0.5	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	77.01	-15.79	-18.98		
LAB*LABa	77.01	-15.16	-22.5		
relative CIELAB lab*					
lab*lab	0.762	-0.278	-0.413		
lab*lab	0.75	0.25	0.656		
lab*nch	0.0	0.25	0.656		
relative Natural Colour (NC)					
lab*trj	0.762	-0.247	-0.433		
lab*nce	0.75	0.25	0.667		

||
||
||

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

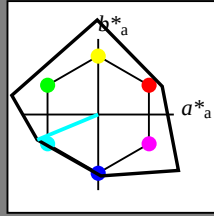
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 203/360 = 0.564$

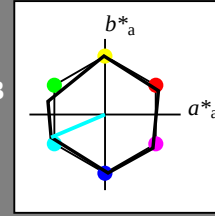
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

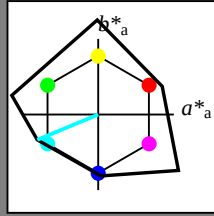
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 203/360 = 0.563$

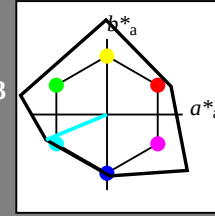
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

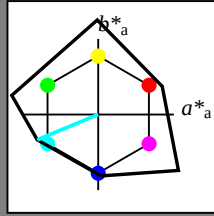
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

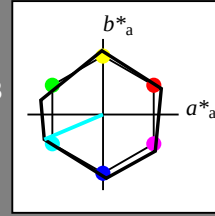
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

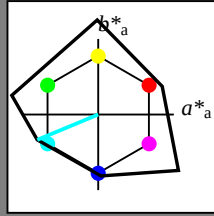
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 203/360 = 0.563 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

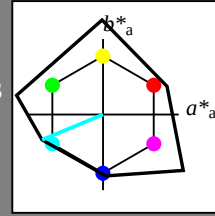
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 203/360 = 0.563 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

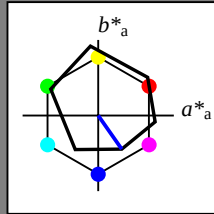
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

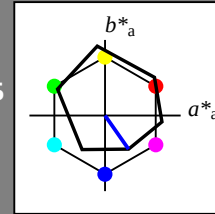
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

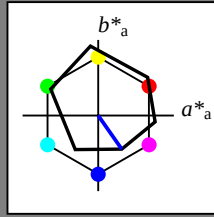
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

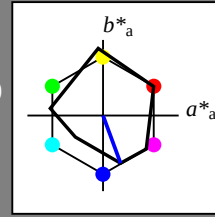
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.806 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

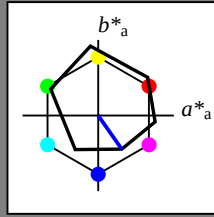
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

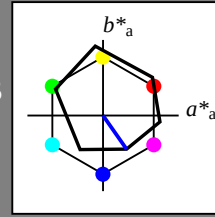
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

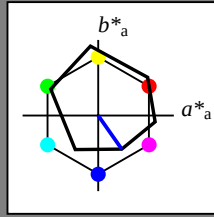
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

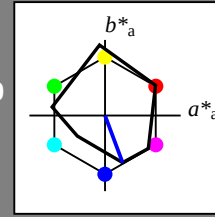
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

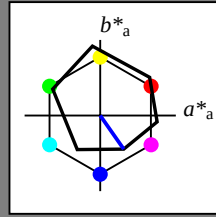
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

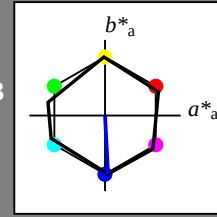
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

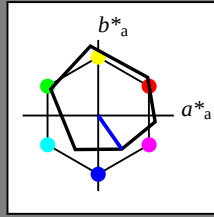
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

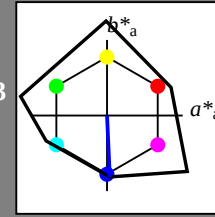
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

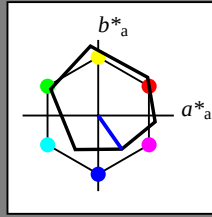
D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

0,75

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

0,25

0,50

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

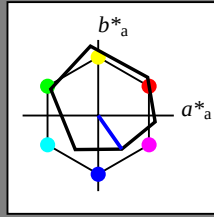
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

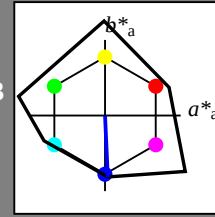
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NCS11; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

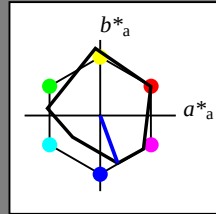
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

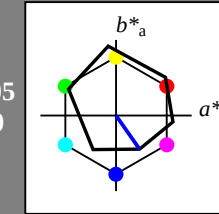
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

5 step scales for constant CIELAB hue $290/360 = 0.806$ (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

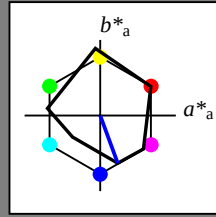
0,50

0,75

1,00

chromaticness c^*

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

chromaticness c^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

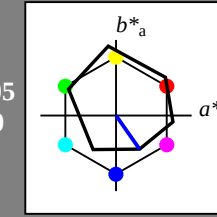
0,50

0,75

1,00

chromaticness c^*

blackness n^*



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

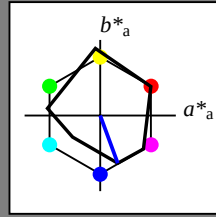
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

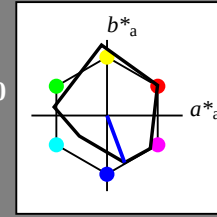
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

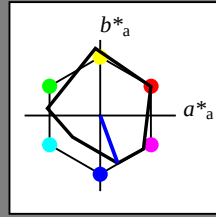
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

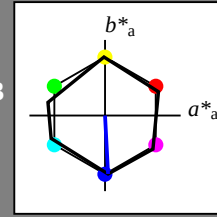
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

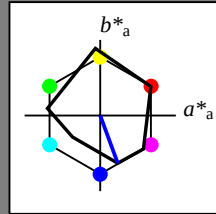
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

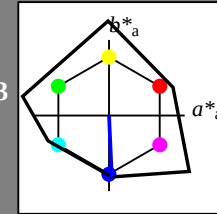
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NCS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

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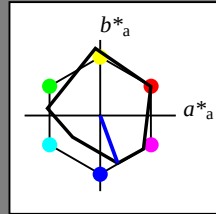
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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

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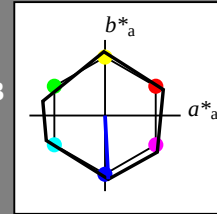
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

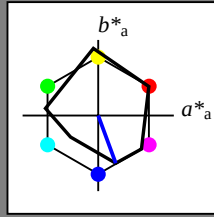
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

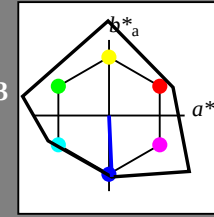
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.5	(0.0)
olvi4*	0.75	0.75	1.0	0.5
cmyn4*	0.25	0.25	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	41.6	0.96	-20.28	
LAB*LABa	41.6	0.91	-20.29	

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

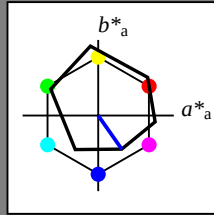
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

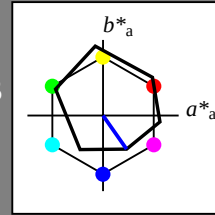
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

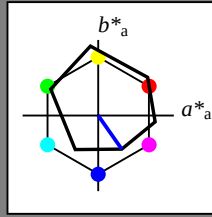
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

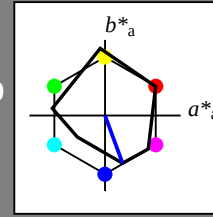
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.806 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

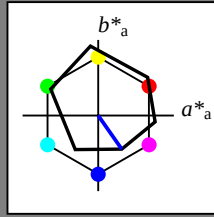
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

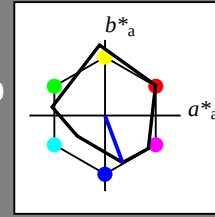
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

triangle lightness

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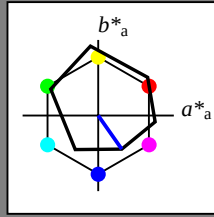
triangle lightness

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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

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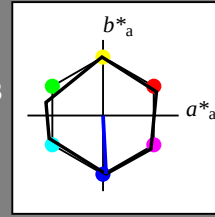
triangle lightness

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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

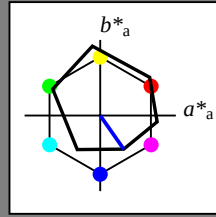
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

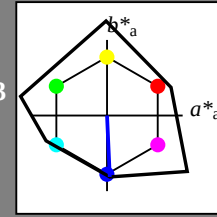
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 -0.01

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 -

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 1.0 (1.0)

cmyn3* 0.25 0.25 0.0 (0.0)

olvi4* 0.75 0.75 1.0 (1.0)

cmyn4* 0.25 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 25.76 1.0 -20.26

LAB*LABa 25.76 0.91 -20.28

LAB*LABb 25.76 0.91 -20.28

relative CIELAB lab*

lab*lab 0.1 0.011 -0.249

lab*tch 0.125 0.25 0.757

lab*nch 0.75 0.25 0.757

relative Natural Colour (NC)

lab*trj 0.1 0.001 -0.249

lab*tce 0.125 0.25 0.752

lab*nce 0.75 0.25 0.001

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.5 0.5 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 52.86 1.97 -40.58

LAB*LABa 52.86 1.82 -40.59

LAB*LABb 52.86 1.82 -40.59

relative CIELAB lab*

lab*lab 0.45 0.022 -0.498

lab*tch 0.45 0.5 0.757

lab*nch 0.25 0.5 0.757

relative Natural Colour (NC)

lab*trj 0.45 0.006 -0.499

lab*tce 0.45 0.5 0.752

lab*nce 0.25 0.5 0.001

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.25 0.25 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 33.52 1.9 -40.56

LAB*LABa 33.52 1.82 -40.59

LAB*LABb 33.52 1.82 -40.59

relative CIELAB lab*

lab*lab 0.2 0.022 -0.498

lab*tch 0.2 0.5 0.757

lab*nch 0.5 0.5 0.757

relative Natural Colour (NC)

lab*trj 0.2 0.006 -0.499

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

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$n^* = 1,00$ </

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

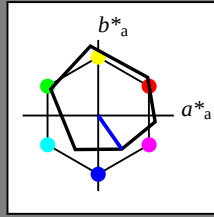
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

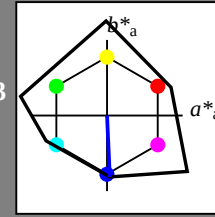
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

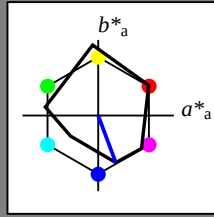
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

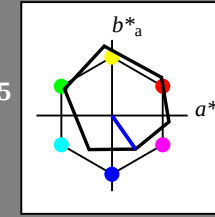
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

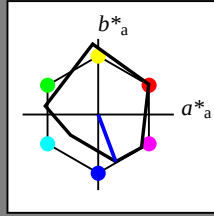
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

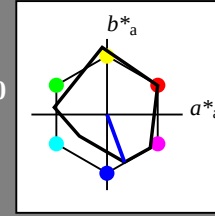
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.806 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

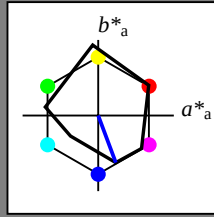
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

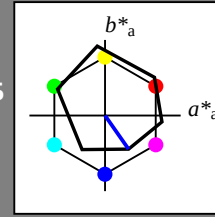
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0
lab*trj	0.0	0.0	0.0	0.0	1.0
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.25
lab*trj	0.0	0.0	0.0	0.0	0.25
lab*tce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0

$n^* = 0,00$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

chromaticness c^*

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

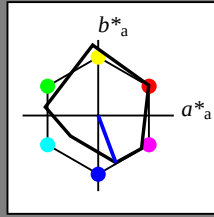
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

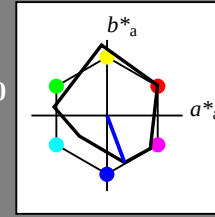
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

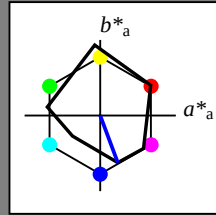
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

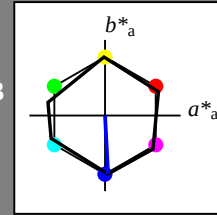
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

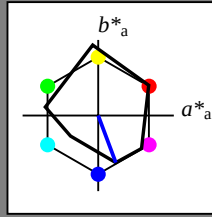
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

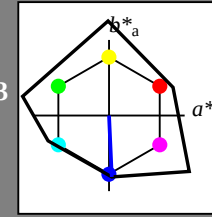
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

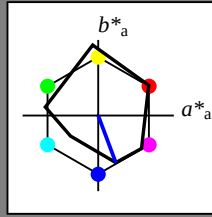
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

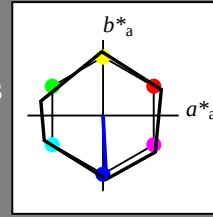
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

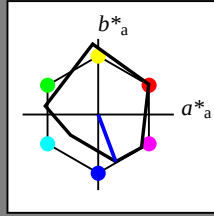
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

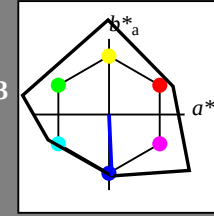
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

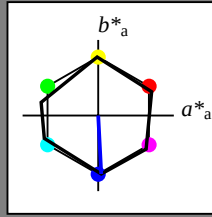
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

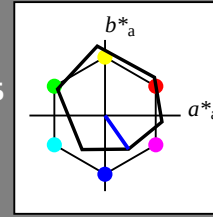
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	0.75	0.75	0.75	(1.0)	
cmyn4*	0.25	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	77.98	7.13	-7.51		
LAB*LABa	77.98	7.77	-11.09		
LAB*LABb	77.98	7.77	-11.09		
LAB*LABc	77.98	7.77	-11.09		
LAB*LABd	77.98	7.77	-11.09		
LAB*LABe	77.98	7.77	-11.09		
LAB*LABf	77.98	7.77	-11.09		
LAB*LABg	77.98	7.77	-11.09		
LAB*LABh	77.98	7.77	-11.09		
LAB*LABi	77.98	7.77	-11.09		
LAB*LABj	77.98	7.77	-11.09		
LAB*LABk	77.98	7.77	-11.09		
LAB*LABl	77.98	7.77	-11.09		
LAB*LABm	77.98	7.77	-11.09		
LAB*LABn	77.98	7.77	-11.09		
LAB*LABo	77.98	7.77	-11.09		
LAB*LABp	77.98	7.77	-11.09		
LAB*LABq	77.98	7.77	-11.09		
LAB*LABr	77.98	7.77	-11.09		
LAB*LABs	77.98	7.77	-11.09		
LAB*LABt	77.98	7.77	-11.09		
LAB*LABu	77.98	7.77	-11.09		
LAB*LABv	77.98	7.77	-11.09		
LAB*LABw	77.98	7.77	-11.09		
LAB*LABx	77.98	7.77	-11.09		
LAB*LABy	77.98	7.77	-11.09		
LAB*LABz	77.98	7.77	-11.09		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	0.5	0.5	0.5	(1.0)	
cmyn4*	0.5	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	58.63	7.5	-8.82		
LAB*LABa	58.63	7.78	-11.1		
LAB*LABb	58.63	7.78	-11.1		
LAB*LABc	58.63	7.78	-11.1		
LAB*LABd	58.63	7.78	-11.1		
LAB*LABe	58.63	7.78	-11.1		
LAB*LABf	58.63	7.78	-11.1		
LAB*LABg	58.63	7.78	-11.1		
LAB*LABh	58.63	7.78	-11.1		
LAB*LABi	58.63	7.78	-11.1		
LAB*LABj	58.63	7.78	-11.1		
LAB*LABk	58.63	7.78	-11.1		
LAB*LABl	58.63	7.78	-11.1		
LAB*LABm	58.63	7.78	-11.1		
LAB*LABn	58.63	7.78	-11.1		
LAB*LABo	58.63	7.78	-11.1		
LAB*LABp	58.63	7.78	-11.1		
LAB*LABq	58.63	7.78	-11.1		
LAB*LABr	58.63	7.78	-11.1		
LAB*LABs	58.63	7.78	-11.1		
LAB*LABt	58.63	7.78	-11.1		
LAB*LABu	58.63	7.78	-11.1		
LAB*LABv	58.63	7.78	-11.1		
LAB*LABw	58.63	7.78	-11.1		
LAB*LABx	58.63	7.78	-11.1		
LAB*LABy	58.63	7.78	-11.1		
LAB*LABz	58.63	7.78	-11.1		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	0.25	0.25	0.25	(1.0)	
cmyn4*	0.25	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	39.28	7.87	-10.13		
LAB*LABa	39.28	7.87	-10.13		
LAB*LABb	39.28	7.87	-10.13		
LAB*LABc	39.28	7.87	-10.13		
LAB*LABd	39.28	7.87	-10.13		
LAB*LABe	39.28	7.87	-10.13		
LAB*LABf	39.28	7.87	-10.13		
LAB*LABg	39.28	7.87	-10.13		
LAB*LABh	39.28	7.87	-10.13		
LAB*LABi	39.28	7.87	-10.13		
LAB*LABj	39.28	7.87	-10.13		
LAB*LABk	39.28	7.87	-10.13		
LAB*LABl	39.28	7.87	-10.13		
LAB*LABm	39.28	7.87	-10.13		
LAB*LABn	39.28	7.87	-10.13		
LAB*LABo	39.28	7.87	-10.13		
LAB*LABp	39.28	7.87	-10.13		
LAB*LABq	39.28	7.87	-10.13		
LAB*LABr	39.28	7.87	-10.13		
LAB*LABs	39.28	7.87	-10.13		
LAB*LABt	39.28	7.87	-10.13		
LAB*LABu	39.28	7.87	-10.13		
LAB*LABv	39.28	7.87	-10.13		
LAB*LABw	39.28	7.87	-10.13		
LAB*LABx	39.28	7.87	-10.13		
LAB*LABy	39.28	7.87	-10.13		
LAB*LABz	39.28	7.87	-10.13		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	0.0	0.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.5	-0.46		
LAB*LABb	18.02	0.5	-0.46		
LAB*LABc	18.02	0.5	-0.46		
LAB*LABd	18.02	0.5	-0.46		
LAB*LABe	18.02	0.5	-0.46		
LAB*LABf	18.02	0.5	-0.46		
LAB*LABg	18.02	0.5	-0.46		
LAB*LABh	18.02	0.5	-0.46		
LAB*LABi	18.02	0.5	-0.46		
LAB*LABj	18.02	0.5	-0.46		
LAB*LABk	18.02	0.5	-0.46		
LAB*LABl	18.02	0.5	-0.46		
LAB*LABm	18.02	0.5	-0.46		
LAB*LABn	18.02	0.5	-0.46		
LAB*LABo	18.02	0.5	-0.46		
LAB*LABp	18.02	0.5	-0.46		
LAB*LABq	18.02	0.5	-0.46		
LAB*LABr	18.02	0.5	-0.46		
LAB*LABs	18.02	0.5	-0.46		
LAB*LABt	18.02	0.5	-0.46		
LAB*LABu	18.02	0.5	-0.46		
LAB*LABv	18.02	0.5	-0.46		
LAB*LABw	18.02	0.5	-0.46		
LAB*LABx	18.02	0.5	-0.46		
LAB*LABy	18.02	0.5	-0.46		
LAB*LABz	18.02	0.5	-0.46		

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

ORS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
a	OMa	47.94	65.37	50.52	82.62	38
	YMa	90.37	-10.27	91.77	92.34	96
	LMa	50.9	-62.79	34.95	71.87	151
	CMa	58.62	-30.35	-45.01	54.3	236
	VMa	25.71	31.11	-44.42	54.24	305
	MMa	48.13	75.27	-8.35	75.73	354
	NMa	18.01	0.0	0.0	0.0	0
	WMa	95.41	0.0	0.0	0.0	0
	RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92	
GCIIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

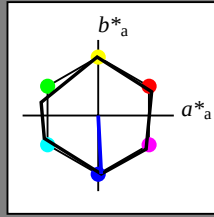
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

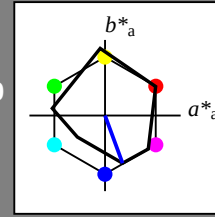
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.806 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

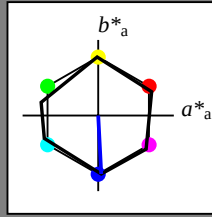
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

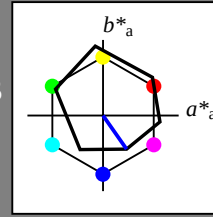
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.0	0.0	0.0	0.0	(1.0)
LAB*LAB	95.41	-0.97	4.75	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.25	0.25	0.25	0.25	(1.0)
LAB*LAB	77.98	7.13	-7.51	0.0	0.0
LAB*LABa	77.98	7.77	-11.09	0.0	0.0
LAB*LABb	77.98	7.77	-11.09	0.0	0.0
LAB*LABc	77.98	7.77	-11.09	0.0	0.0
LAB*LABd	77.98	7.77	-11.09	0.0	0.0
LAB*LABe	77.98	7.77	-11.09	0.0	0.0
LAB*LABf	77.98	7.77	-11.09	0.0	0.0
LAB*LABg	77.98	7.77	-11.09	0.0	0.0
LAB*LABh	77.98	7.77	-11.09	0.0	0.0
LAB*LABi	77.98	7.77	-11.09	0.0	0.0
LAB*LABj	77.98	7.77	-11.09	0.0	0.0
LAB*LABk	77.98	7.77	-11.09	0.0	0.0
LAB*LABl	77.98	7.77	-11.09	0.0	0.0
LAB*LABm	77.98	7.77	-11.09	0.0	0.0
LAB*LABn	77.98	7.77	-11.09	0.0	0.0
LAB*LABo	77.98	7.77	-11.09	0.0	0.0
LAB*LABp	77.98	7.77	-11.09	0.0	0.0
LAB*LABq	77.98	7.77	-11.09	0.0	0.0
LAB*LABr	77.98	7.77	-11.09	0.0	0.0
LAB*LABs	77.98	7.77	-11.09	0.0	0.0
LAB*LABt	77.98	7.77	-11.09	0.0	0.0
LAB*LABu	77.98	7.77	-11.09	0.0	0.0
LAB*LABv	77.98	7.77	-11.09	0.0	0.0
LAB*LABw	77.98	7.77	-11.09	0.0	0.0
LAB*LABx	77.98	7.77	-11.09	0.0	0.0
LAB*LABy	77.98	7.77	-11.09	0.0	0.0
LAB*LABz	77.98	7.77	-11.09	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.5	0.5	0.5	0.5	(1.0)
LAB*LAB	60.56	15.24	-19.79	0.0	0.0
LAB*LABa	60.56	15.55	-22.2	0.0	0.0
LAB*LABb	60.56	15.55	-22.2	0.0	0.0
LAB*LABc	60.56	15.55	-22.2	0.0	0.0
LAB*LABd	60.56	15.55	-22.2	0.0	0.0
LAB*LABe	60.56	15.55	-22.2	0.0	0.0
LAB*LABf	60.56	15.55	-22.2	0.0	0.0
LAB*LABg	60.56	15.55	-22.2	0.0	0.0
LAB*LABh	60.56	15.55	-22.2	0.0	0.0
LAB*LABi	60.56	15.55	-22.2	0.0	0.0
LAB*LABj	60.56	15.55	-22.2	0.0	0.0
LAB*LABk	60.56	15.55	-22.2	0.0	0.0
LAB*LABl	60.56	15.55	-22.2	0.0	0.0
LAB*LABm	60.56	15.55	-22.2	0.0	0.0
LAB*LABn	60.56	15.55	-22.2	0.0	0.0
LAB*LABo	60.56	15.55	-22.2	0.0	0.0
LAB*LABp	60.56	15.55	-22.2	0.0	0.0
LAB*LABq	60.56	15.55	-22.2	0.0	0.0
LAB*LABr	60.56	15.55	-22.2	0.0	0.0
LAB*LABs	60.56	15.55	-22.2	0.0	0.0
LAB*LABt	60.56	15.55	-22.2	0.0	0.0
LAB*LABu	60.56	15.55	-22.2	0.0	0.0
LAB*LABv	60.56	15.55	-22.2	0.0	0.0
LAB*LABw	60.56	15.55	-22.2	0.0	0.0
LAB*LABx	60.56	15.55	-22.2	0.0	0.0
LAB*LABy	60.56	15.55	-22.2	0.0	0.0
LAB*LABz	60.56	15.55	-22.2	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	43.14	23.33	-33.31	0.0	0.0
LAB*LABa	43.14	23.33	-33.31	0.0	0.0
LAB*LABb	43.14	23.33	-33.31	0.0	0.0
LAB*LABc	43.14	23.33	-33.31	0.0	0.0
LAB*LABd	43.14	23.33	-33.31	0.0	0.0
LAB*LABe	43.14	23.33	-33.31	0.0	0.0
LAB*LABf	43.14	23.33	-33.31	0.0	0.0
LAB*LABg	43.14	23.33	-33.31	0.0	0.0
LAB*LABh	43.14	23.33	-33.31	0.0	0.0
LAB*LABi	43.14	23.33	-33.31	0.0	0.0
LAB*LABj	43.14	23.33	-33.31	0.0	0.0
LAB*LABk	43.14	23.33	-33.31	0.0	0.0
LAB*LABl	43.14	23.33	-33.31	0.0	0.0
LAB*LABm	43.14	23.33	-33.31	0.0	0.0
LAB*LABn	43.14	23.33	-33.31	0.0	0.0
LAB*LABo	43.14	23.33	-33.31	0.0	0.0
LAB*LABp	43.14	23.33	-33.31	0.0	0.0
LAB*LABq	43.14	23.33	-33.31	0.0	0.0
LAB*LABr	43.14	23.33	-33.31	0.0	0.0
LAB*LABs	43.14	23.33	-33.31	0.0	0.0
LAB*LABt	43.14	23.33	-33.31	0.0	0.0
LAB*LABu	43.14	23.33	-33.31	0.0	0.0
LAB*LABv	43.14	23.33	-33.31	0.0	0.0
LAB*LABw	43.14	23.33	-33.31	0.0	0.0
LAB*LABx	43.14	23.33	-33.31	0.0	0.0
LAB*LABy	43.14	23.33	-33.31	0.0	0.0
LAB*LABz	43.14	23.33	-33.31	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	1.0	1.0	1.0	1.0	(1.0)
LAB*LAB	25.72	31.46	-44.41	0.0	0.0
LAB*LABa	25.72	31.46	-44.41	0.0	0.0
LAB*LABb	25.72	31.46	-44.41	0.0	0.0
LAB*LABc	25.72	31.46	-44.41	0.0	0.0
LAB*LABd	25.72	31.46	-44.41	0.0	0.0
LAB*LABe	25.72	31.46	-44.41	0.0	0.0
LAB*LABf	25.72	31.46	-44.41	0.0	0.0
LAB*LABg	25.72	31.46	-44.41	0.0	0.0
LAB*LABh	25.72	31.46	-44.41	0.0	0.0
LAB*LABi	25.72	31.46	-44.41	0.0	0.0
LAB*LABj	25.72	31.46	-44.41	0.0	0.0
LAB*LABk	25.72	31.46	-44.41	0.0	0.0
LAB*LABl	25.72	31.46	-44.41	0.0	0.0
LAB*LABm	25.72	31.46	-44.41	0.0	0.0
LAB*LABn	25.72	31.46	-44.41	0.0	0.0
LAB*LABo	25.72	31.46	-44.41	0.0	0.0
LAB*LABp	25.72	31.46	-44.41	0.0	0.0
LAB*LABq	25.72	31.46	-44.41	0.0	0.0
LAB*LABr	25.72	31.46	-44.41	0.0	0.0
LAB*LABs	25.72	31.46	-44.41	0.0	0.0
LAB*LABt	25.72	31.46	-44.41	0.0	0.0
LAB*LABu	25.72	31.46	-44.41	0.0	0.0
LAB*LABv	25.72	31.46	-44.41	0.0	0.0
LAB*LABw	25.72	31.46	-44.41	0.0	0.0
LAB*LABx	25.72	31.46	-44.41	0.0	0.0
LAB*LABy	25.72	31.46	-44.41	0.0	0.0
LAB*LABz	25.72	31.46	-44.41	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

TRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
a	OMa	47.94	65.37	50.52	82.62	38
	YMa	90.37	-10.27	91.77	92.34	96
	LMa	50.9	-62.79	34.95	71.87	151
	CMa	58.62	-30.35	-45.01	54.3	236
	VMa	25.71	31.11	-44.42	54.24	305
	MMa	48.13	75.27	-8.35	75.73	354
	NMa	18.01	0.0	0.0	0.0	0
	WMa	95.41	0.0	0.0	0.0	0
	RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92	
GIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

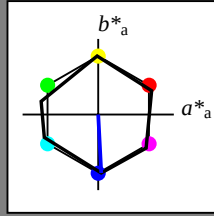
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

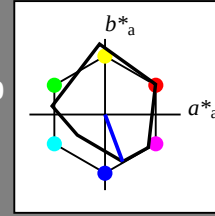
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

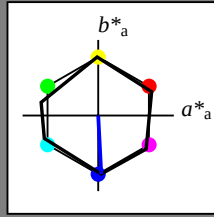
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50BMa	56.7	-71.29	-30.25	77.45	203	
BMa	56.7	4.0	-77.3	77.41	273	
B50RMa	56.7	63.35	-44.4	77.36	325	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

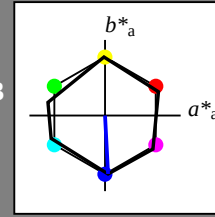
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50BMa	56.7	-71.29	-30.25	77.45	203	
BMa	56.7	4.0	-77.3	77.41	273	
B50RMa	56.7	63.35	-44.4	77.36	325	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

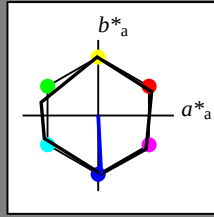
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

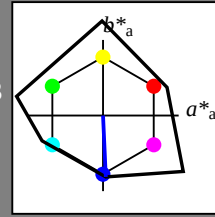
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

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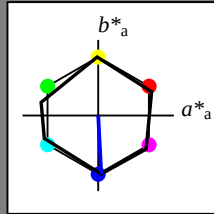
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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

$n^* = 1,0$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

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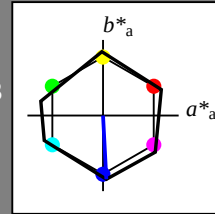
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,25

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

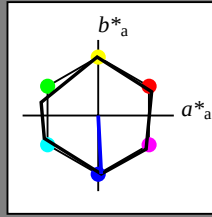
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

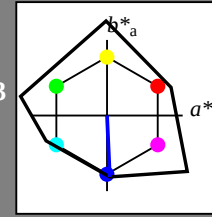
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

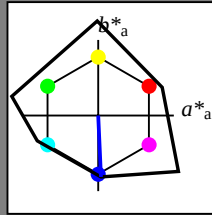
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

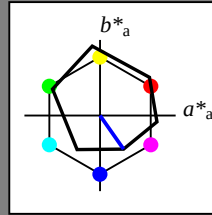
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

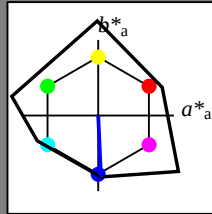
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

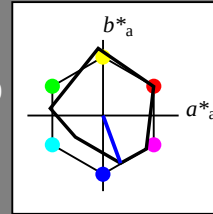
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 91$

1,00

0,75

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.806 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

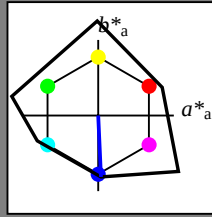
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

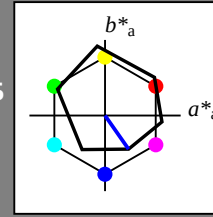
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)	(0.0)
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75	-	-
LAB*LABa	95.41	0.0	0.0	-	-
LAB*LABb	95.41	0.0	0.0	-	-
LAB*LABc	95.41	0.0	0.0	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-
lab*lab	1.0	0.0	0.0	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)	(0.0)
olvi4*	0.75	0.75	0.75	0.0	0.0
cmyn4*	0.25	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
relative CIELAB lab*					
lab*lab	0.775	0.143	-0.204	-	-
lab*lab	0.775	0.143	-0.204	-	-
lab*lab	0.775	0.143	-0.204	-	-
lab*lab	0.775	0.143	-0.204	-	-
relative Natural Colour (NC)					
lab*lab	0.775	0.143	-0.204	-	-
lab*lab	0.775	0.143	-0.204	-	-
lab*lab	0.775	0.143	-0.204	-	-
lab*lab	0.775	0.143	-0.204	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)	(0.0)
olvi4*	0.5	0.5	0.5	0.0	0.0
cmyn4*	0.5	0.5	0.5	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	60.56	15.24	-19.79	-	-
LAB*LABa	60.56	15.55	-22.2	-	-
LAB*LABb	60.56	15.55	-22.2	-	-
LAB*LABc	60.56	15.55	-22.2	-	-
relative CIELAB lab*					
lab*lab	0.55	0.287	-0.408	-	-
lab*lab	0.55	0.287	-0.408	-	-
lab*lab	0.55	0.287	-0.408	-	-
lab*lab	0.55	0.287	-0.408	-	-
relative Natural Colour (NC)					
lab*lab	0.55	0.287	-0.408	-	-
lab*lab	0.55	0.287	-0.408	-	-
lab*lab	0.55	0.287	-0.408	-	-
lab*lab	0.55	0.287	-0.408	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)	(0.0)
olvi4*	0.25	0.25	0.25	0.0	0.0
cmyn4*	0.25	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	41.21	15.61	-21.1	-	-
LAB*LABa	41.21	15.55	-22.21	-	-
LAB*LABb	41.21	15.55	-22.21	-	-
LAB*LABc	41.21	15.55	-22.21	-	-
relative CIELAB lab*					
lab*lab	0.25	0.143	-0.204	-	-
lab*lab	0.25	0.143	-0.204	-	-
lab*lab	0.25	0.143	-0.204	-	-
lab*lab	0.25	0.143	-0.204	-	-
relative Natural Colour (NC)					
lab*lab	0.25	0.143	-0.204	-	-
lab*lab	0.25	0.143	-0.204	-	-
lab*lab	0.25	0.143	-0.204	-	-
lab*lab	0.25	0.143	-0.204	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)	(0.0)
olvi4*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	30.57	1.33	-46.48	-	-
LAB*LABa	30.57	1.33	-46.48	-	-
LAB*LABb	30.57	1.33	-46.48	-	-
LAB*LABc	30.57	1.33	-46.48	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)	(0.0)
olvi4*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46	-	-
LAB*LABa	18.02	0.5	-0.46	-	-
LAB*LABb	18.02	0.5	-0.46	-	-
LAB*LABc	18.02	0.5	-0.46	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)	(0.0)
olvi4*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	12.5	13.55	305.0	-	-
LAB*LABa	12.5	13.55	305.0	-	-
LAB*LABb	12.5	13.55	305.0	-	-
LAB*LABc	12.5	13.55	305.0	-	-
relative CIELAB lab*					
lab*lab	0.025	0.143	-0.204	-	-
lab*lab	0.025	0.143	-0.204	-	-
lab*lab	0.025	0.143	-0.204	-	-
lab*lab	0.025	0.143	-0.204	-	-
relative Natural Colour (NC)					
lab*lab	0.025	0.143	-0.204	-	-
lab*lab	0.025	0.143	-0.204	-	-
lab*lab	0.025	0.143	-0.204	-	-
lab*lab	0.025	0.143	-0.204	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)	(0.0)
olvi4*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	0.0	0.0	0.0	-	-
LAB*LABa	0.0	0.0	0.0	-	-
LAB*LABb	0.0	0.0	0.0	-	-
LAB*LABc	0.0	0.0	0.0	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-
lab*lab	0.0	0.0	0.0	-	-

lab*ncn	1.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

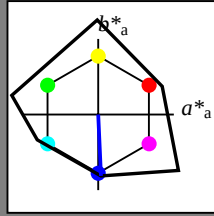
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

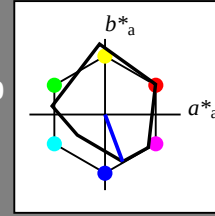
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

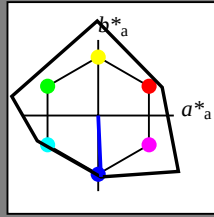
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

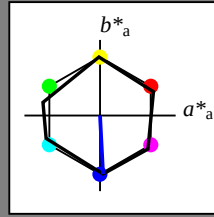
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

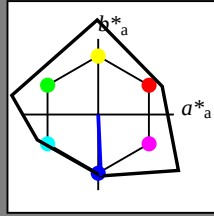
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

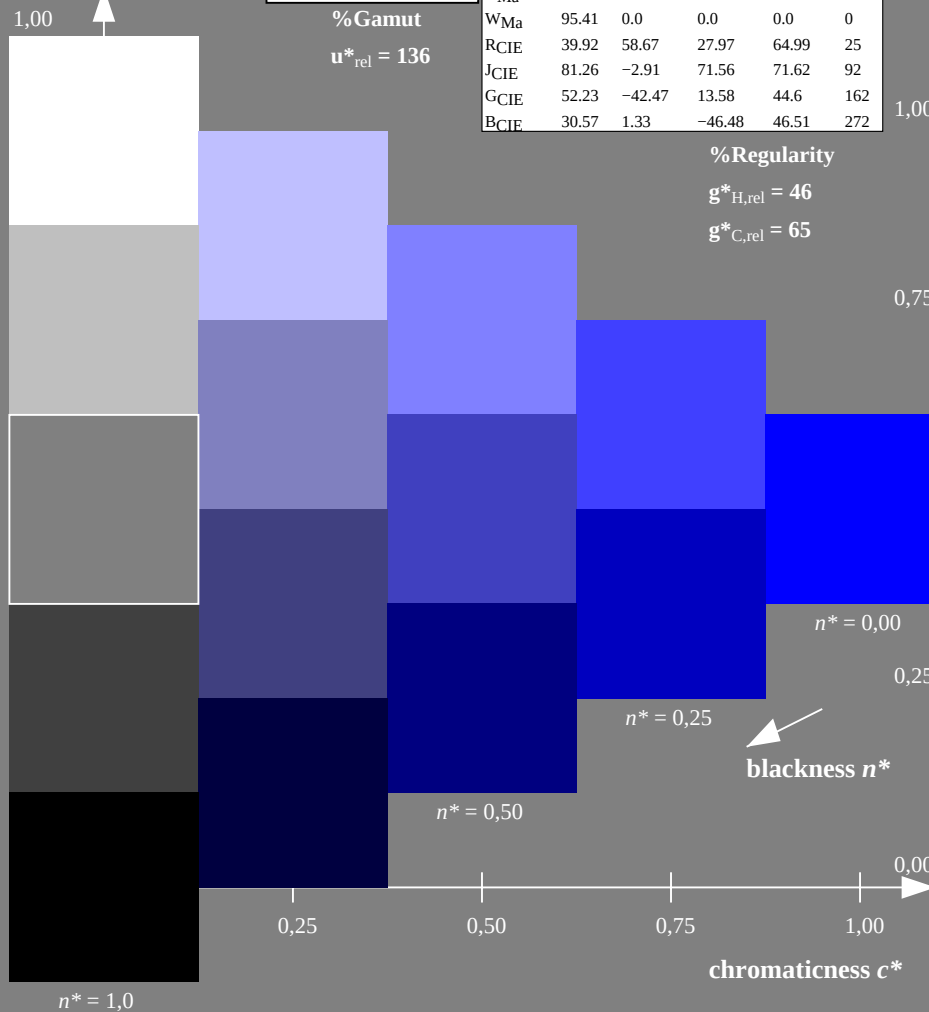
rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

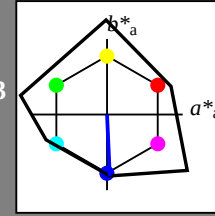
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

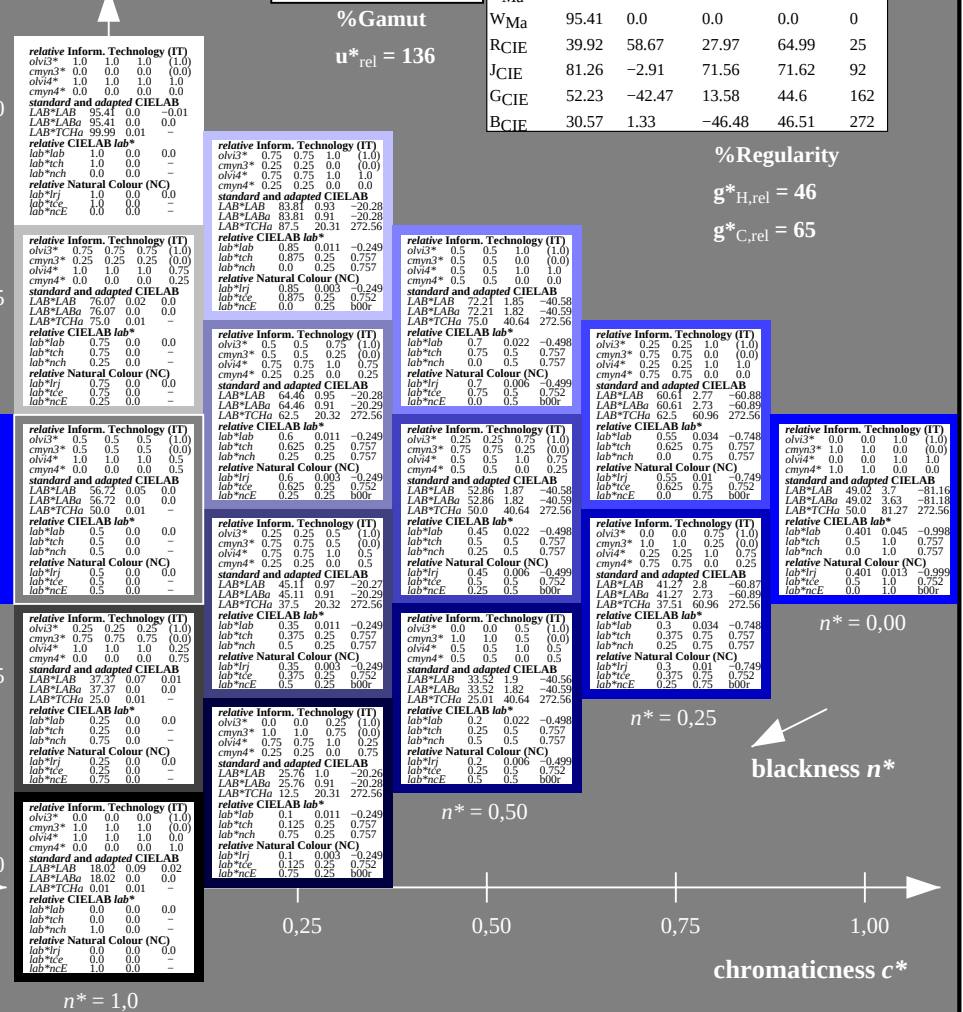
rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$



5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

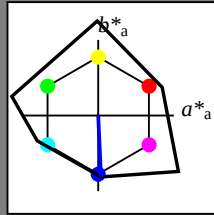
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

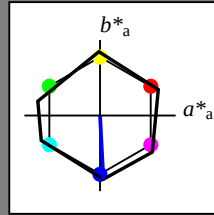
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

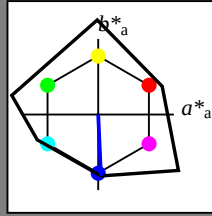
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

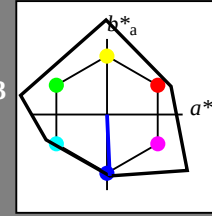
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

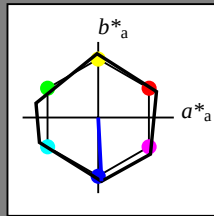
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

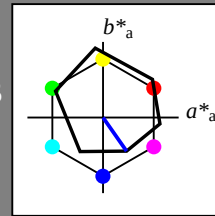
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

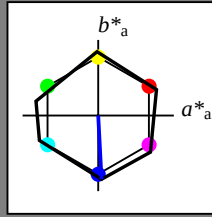
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

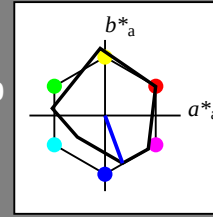
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 290/360 = 0.806 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

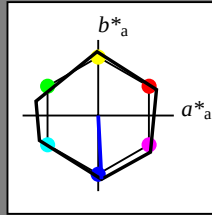
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

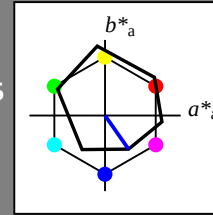
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

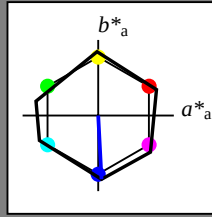
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

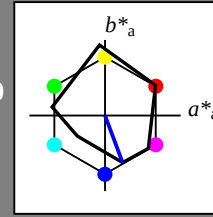
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

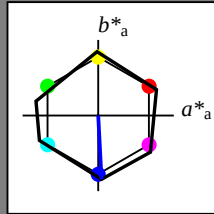
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

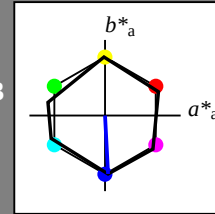
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

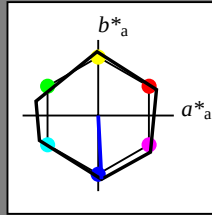
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

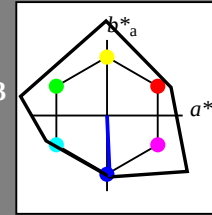
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.5	(0.0)
olvi4*	0.75	0.75	1.0	0.5
cmyn4*	0.25	0.25	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	45.11	0.97	-20.27	

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

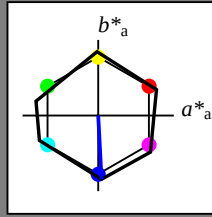
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

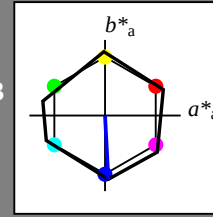
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

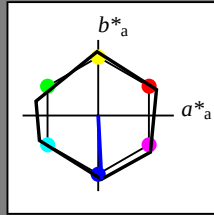
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

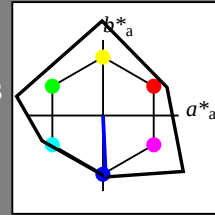
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.05	0.01		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.07	0.01		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

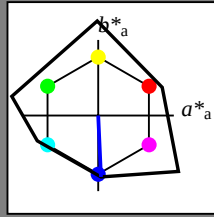
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

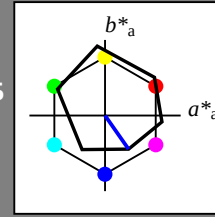
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	-0.97	4.75	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.6	3.44	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	76.06	0.0	0.0	0.0	0.0
LAB*LABc	76.06	0.0	0.0	0.0	0.0
LAB*LABd	76.06	0.0	0.0	0.0	0.0
LAB*LABe	76.06	0.0	0.0	0.0	0.0
LAB*LABf	76.06	0.0	0.0	0.0	0.0
LAB*LABg	76.06	0.0	0.0	0.0	0.0
LAB*LABh	76.06	0.0	0.0	0.0	0.0
LAB*LABi	76.06	0.0	0.0	0.0	0.0
LAB*LABj	76.06	0.0	0.0	0.0	0.0
LAB*LABk	76.06	0.0	0.0	0.0	0.0
LAB*LABl	76.06	0.0	0.0	0.0	0.0
LAB*LABm	76.06	0.0	0.0	0.0	0.0
LAB*LABn	76.06	0.0	0.0	0.0	0.0
LAB*LABo	76.06	0.0	0.0	0.0	0.0
LAB*LABp	76.06	0.0	0.0	0.0	0.0
LAB*LABq	76.06	0.0	0.0	0.0	0.0
LAB*LABr	76.06	0.0	0.0	0.0	0.0
LAB*LABs	76.06	0.0	0.0	0.0	0.0
LAB*LABt	76.06	0.0	0.0	0.0	0.0
LAB*LABu	76.06	0.0	0.0	0.0	0.0
LAB*LABv	76.06	0.0	0.0	0.0	0.0
LAB*LABw	76.06	0.0	0.0	0.0	0.0
LAB*LABx	76.06	0.0	0.0	0.0	0.0
LAB*LABy	76.06	0.0	0.0	0.0	0.0
LAB*LABz	76.06	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	56.71	-0.23	2.14	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0	0.0
LAB*LABd	56.71	0.0	0.0	0.0	0.0
LAB*LABe	56.71	0.0	0.0	0.0	0.0
LAB*LABf	56.71	0.0	0.0	0.0	0.0
LAB*LABg	56.71	0.0	0.0	0.0	0.0
LAB*LABh	56.71	0.0	0.0	0.0	0.0
LAB*LABi	56.71	0.0	0.0	0.0	0.0
LAB*LABj	56.71	0.0	0.0	0.0	0.0
LAB*LABk	56.71	0.0	0.0	0.0	0.0
LAB*LABl	56.71	0.0	0.0	0.0	0.0
LAB*LABm	56.71	0.0	0.0	0.0	0.0
LAB*LABn	56.71	0.0	0.0	0.0	0.0
LAB*LABo	56.71	0.0	0.0	0.0	0.0
LAB*LABp	56.71	0.0	0.0	0.0	0.0
LAB*LABq	56.71	0.0	0.0	0.0	0.0
LAB*LABr	56.71	0.0	0.0	0.0	0.0
LAB*LABs	56.71	0.0	0.0	0.0	0.0
LAB*LABt	56.71	0.0	0.0	0.0	0.0
LAB*LABu	56.71	0.0	0.0	0.0	0.0
LAB*LABv	56.71	0.0	0.0	0.0	0.0
LAB*LABw	56.71	0.0	0.0	0.0	0.0
LAB*LABx	56.71	0.0	0.0	0.0	0.0
LAB*LABy	56.71	0.0	0.0	0.0	0.0
LAB*LABz	56.71	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	39.28	-0.87	10.13	0.0	0.0
LAB*LABa	39.28	0.0	0.0	0.0	0.0
LAB*LABb	39.28	0.0	0.0	0.0	0.0
LAB*LABc	39.28	0.0	0.0	0.0	0.0
LAB*LABd	39.28	0.0	0.0	0.0	0.0
LAB*LABe	39.28	0.0	0.0	0.0	0.0
LAB*LABf	39.28	0.0	0.0	0.0	0.0
LAB*LABg	39.28	0.0	0.0	0.0	0.0
LAB*LABh	39.28	0.0	0.0	0.0	0.0
LAB*LABi	39.28	0.0	0.0	0.0	0.0
LAB*LABj	39.28	0.0	0.0	0.0	0.0
LAB*LABk	39.28	0.0	0.0	0.0	0.0
LAB*LABl	39.28	0.0	0.0	0.0	0.0
LAB*LABm	39.28	0.0	0.0	0.0	0.0
LAB*LABn	39.28	0.0	0.0	0.0	0.0
LAB*LABo	39.28	0.0	0.0	0.0	0.0
LAB*LABp	39.28	0.0	0.0	0.0	0.0
LAB*LABq	39.28	0.0	0.0	0.0	0.0
LAB*LABr	39.28	0.0	0.0	0.0	0.0
LAB*LABs	39.28	0.0	0.0	0.0	0.0
LAB*LABt	39.28	0.0	0.0	0.0	0.0
LAB*LABu	39.28	0.0	0.0	0.0	0.0
LAB*LABv	39.28	0.0	0.0	0.0	0.0
LAB*LABw	39.28	0.0	0.0	0.0	0.0
LAB*LABx	39.28	0.0	0.0	0.0	0.0
LAB*LABy	39.28	0.0	0.0	0.0	0.0
LAB*LABz	39.28	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	18.02	0.5	-0.46	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	18.02	0.0	0.0	0.0	0.0
LAB*LABc	18.02	0.0	0.0	0.0	0.0
LAB*LABd	18.02	0.0	0.0	0.0	0.0
LAB*LABe	18.02	0.0	0.0	0.0	0.0
LAB*LABf	18.02	0.0	0.0	0.0	0.0
LAB*LABg	18.02	0.0	0.0	0.0	0.0
LAB*LABh	18.02	0.0	0.0	0.0	0.0
LAB*LABi	18.02	0.0	0.0	0.0	0.0
LAB*LABj	18.02	0.0	0.0	0.0	0.0
LAB*LABk	18.02	0.0	0.0	0.0	0.0
LAB*LABl	18.02	0.0	0.0	0.0	0.0
LAB*LABm	18.02	0.0	0.0	0.0	0.0
LAB*LABn	18.02	0.0	0.0	0.0	0.0
LAB*LABo	18.02	0.0	0.0	0.0	0.0
LAB*LABp	18.02	0.0	0.0	0.0	0.0
LAB*LABq	18.02	0.0	0.0	0.0	0.0
LAB*LABr	18.02	0.0	0.0	0.0	0.0
LAB*LABs	18.02	0.0	0.0	0.0	0.0
LAB*LABt	18.02	0.0	0.0	0.0	0.0
LAB*LABu	18.02	0.0	0.0	0.0	0.0
LAB*LABv	18.02	0.0	0.0	0.0	0.0
LAB*LABw	18.02	0.0	0.0	0.0	0.0
LAB*LABx	18.02	0.0	0.0	0.0	0.0
LAB*LABy	18.02	0.0	0.0	0.0	0.0
LAB*LABz	18.02	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	$relative\ Natural\ Colour\ (NC)$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0				

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

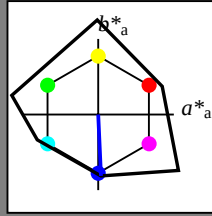
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

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Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

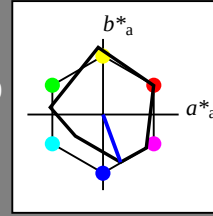
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,00

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MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

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Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

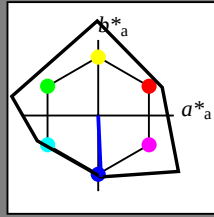
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 305/360 = 0.847$

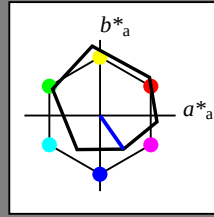
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.0	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.97	4.75	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.25	0.25	0.25	0.25	(0.0)
LAB*LAB	76.06	-0.6	3.44	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	76.06	0.0	0.0	0.0	0.0
LAB*LABc	76.06	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.25	0.25	0.25	0.25	0.0
lab*lab	0.25	0.25	0.25	0.25	0.0
lab*tch	0.25	0.25	0.25	0.25	0.0
lab*nch	0.25	0.25	0.25	0.25	0.0
relative Natural Colour (NC)	0.25	0.25	0.25	0.25	0.0
lab*trj	0.25	0.25	0.25	0.25	0.0
lab*tce	0.25	0.25	0.25	0.25	0.0
lab*nce	0.25	0.25	0.25	0.25	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.5	0.5	0.5	0.5	(0.0)
LAB*LAB	56.71	-0.3	2.14	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.5	0.5	0.5	0.5	0.0
lab*lab	0.5	0.5	0.5	0.5	0.0
lab*tch	0.5	0.5	0.5	0.5	0.0
lab*nch	0.5	0.5	0.5	0.5	0.0
relative Natural Colour (NC)	0.5	0.5	0.5	0.5	0.0
lab*trj	0.5	0.5	0.5	0.5	0.0
lab*tce	0.5	0.5	0.5	0.5	0.0
lab*nce	0.5	0.5	0.5	0.5	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(0.0)
LAB*LAB	37.36	-0.13	0.83	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*LABb	37.36	0.0	0.0	0.0	0.0
LAB*LABc	37.36	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.75	0.75	0.75	0.75	0.0
lab*lab	0.75	0.75	0.75	0.75	0.0
lab*tch	0.75	0.75	0.75	0.75	0.0
lab*nch	0.75	0.75	0.75	0.75	0.0
relative Natural Colour (NC)	0.75	0.75	0.75	0.75	0.0
lab*trj	0.75	0.75	0.75	0.75	0.0
lab*tce	0.75	0.75	0.75	0.75	0.0
lab*nce	0.75	0.75	0.75	0.75	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	1.0	1.0	1.0	1.0	(0.0)
LAB*LAB	18.02	0.5	-0.46	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	18.02	0.0	0.0	0.0	0.0
LAB*LABc	18.02	0.0	0.0	0.0	0.0
relative CIELAB lab*	1.0	1.0	1.0	1.0	0.0
lab*lab	1.0	1.0	1.0	1.0	0.0
lab*tch	1.0	1.0	1.0	1.0	0.0
lab*nch	1.0	1.0	1.0	1.0	0.0
relative Natural Colour (NC)	1.0	1.0	1.0	1.0	0.0
lab*trj	1.0	1.0	1.0	1.0	0.0
lab*tce	1.0	1.0	1.0	1.0	0.0
lab*nce	1.0	1.0	1.0	1.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 0,50$

chromaticness c^*

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

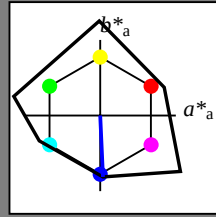
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

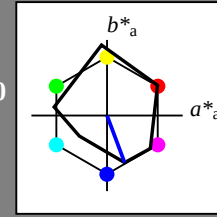
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

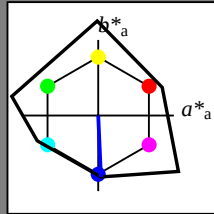
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 273/360 = 0.758$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

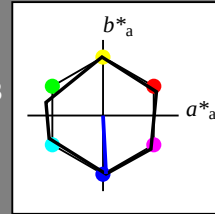
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

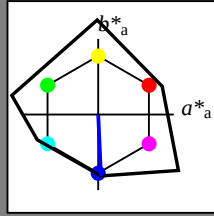
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 273/360 = 0.757$

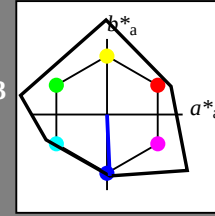
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

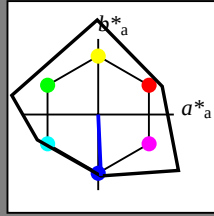
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

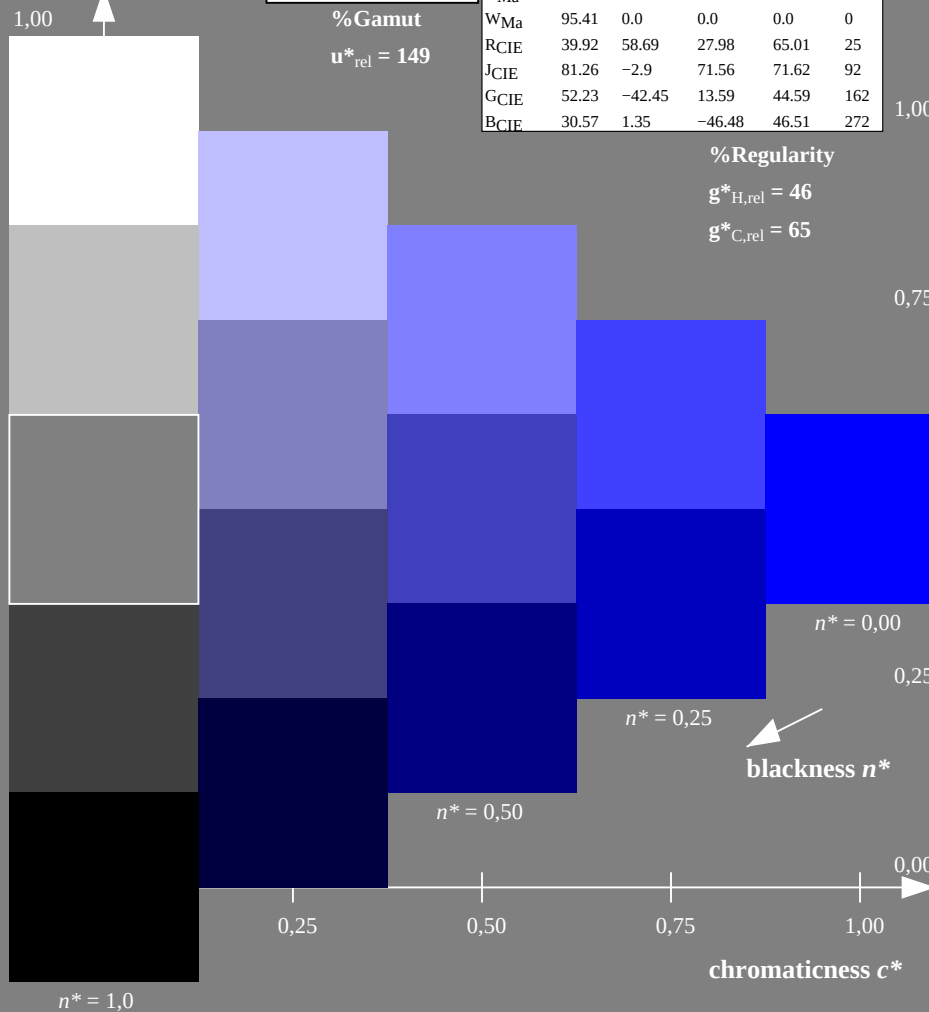
rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

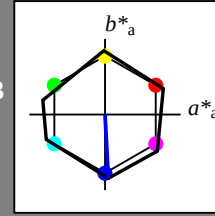
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

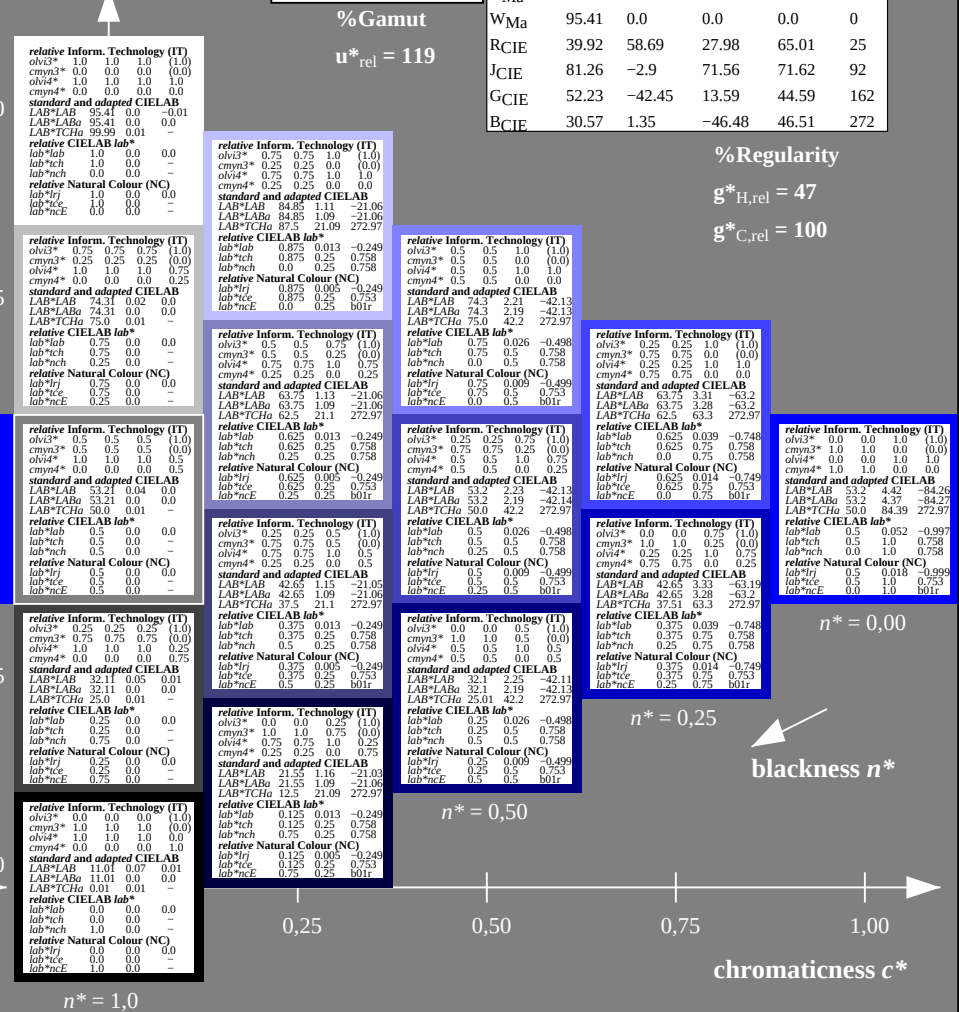
rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 119$



5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	74.31	0.0	0.0		
LAB*LABc	74.31	0.0	0.0		
LAB*LABd	74.31	0.0	0.0		
LAB*LABe	74.31	0.0	0.0		
LAB*LABf	74.31	0.0	0.0		
LAB*LABg	74.31	0.0	0.0		
LAB*LABh	74.31	0.0	0.0		
LAB*LABi	74.31	0.0	0.0		
LAB*LABj	74.31	0.0	0.0		
LAB*LABk	74.31	0.0	0.0		
LAB*LABl	74.31	0.0	0.0		
LAB*LABm	74.31	0.0	0.0		
LAB*LABn	74.31	0.0	0.0		
LAB*LABo	74.31	0.0	0.0		
LAB*LABp	74.31	0.0	0.0		
LAB*LABq	74.31	0.0	0.0		
LAB*LABr	74.31	0.0	0.0		
LAB*LABs	74.31	0.0	0.0		
LAB*LABt	74.31	0.0	0.0		
LAB*LABu	74.31	0.0	0.0		
LAB*LABv	74.31	0.0	0.0		
LAB*LABw	74.31	0.0	0.0		
LAB*LABx	74.31	0.0	0.0		
LAB*LABy	74.31	0.0	0.0		
LAB*LABz	74.31	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	53.21	0.0	0.0		
LAB*LABc	53.21	0.0	0.0		
LAB*LABd	53.21	0.0	0.0		
LAB*LABe	53.21	0.0	0.0		
LAB*LABf	53.21	0.0	0.0		
LAB*LABg	53.21	0.0	0.0		
LAB*LABh	53.21	0.0	0.0		
LAB*LABi	53.21	0.0	0.0		
LAB*LABj	53.21	0.0	0.0		
LAB*LABk	53.21	0.0	0.0		
LAB*LABl	53.21	0.0	0.0		
LAB*LABm	53.21	0.0	0.0		
LAB*LABn	53.21	0.0	0.0		
LAB*LABo	53.21	0.0	0.0		
LAB*LABp	53.21	0.0	0.0		
LAB*LABq	53.21	0.0	0.0		
LAB*LABr	53.21	0.0	0.0		
LAB*LABs	53.21	0.0	0.0		
LAB*LABt	53.21	0.0	0.0		
LAB*LABu	53.21	0.0	0.0		
LAB*LABv	53.21	0.0	0.0		
LAB*LABw	53.21	0.0	0.0		
LAB*LABx	53.21	0.0	0.0		
LAB*LABy	53.21	0.0	0.0		
LAB*LABz	53.21	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	32.11	0.0	0.0		
LAB*LABc	32.11	0.0	0.0		
LAB*LABd	32.11	0.0	0.0		
LAB*LABe	32.11	0.0	0.0		
LAB*LABf	32.11	0.0	0.0		
LAB*LABg	32.11	0.0	0.0		
LAB*LABh	32.11	0.0	0.0		
LAB*LABi	32.11	0.0	0.0		
LAB*LABj	32.11	0.0	0.0		
LAB*LABk	32.11	0.0	0.0		
LAB*LABl	32.11	0.0	0.0		
LAB*LABm	32.11	0.0	0.0		
LAB*LABn	32.11	0.0	0.0		
LAB*LABo	32.11	0.0	0.0		
LAB*LABp	32.11	0.0	0.0		
LAB*LABq	32.11	0.0	0.0		
LAB*LABr	32.11	0.0	0.0		
LAB*LABs	32.11	0.0	0.0		
LAB*LABt	32.11	0.0	0.0		
LAB*LABu	32.11	0.0	0.0		
LAB*LABv	32.11	0.0	0.0		
LAB*LABw	32.11	0.0	0.0		
LAB*LABx	32.11	0.0	0.0		
LAB*LABy	32.11	0.0	0.0		
LAB*LABz	32.11	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	11.01	0.0	0.0		
LAB*LABc	11.01	0.0	0.0		
LAB*LABd	11.01	0.0	0.0		
LAB*LABe	11.01	0.0	0.0		
LAB*LABf	11.01	0.0	0.0		
LAB*LABg	11.01	0.0	0.0		
LAB*LABh	11.01	0.0	0.0		
LAB*LABi	11.01	0.0	0.0		
LAB*LABj	11.01	0.0	0.0		
LAB*LABk	11.01	0.0	0.0		
LAB*LABl	11.01	0.0	0.0		
LAB*LABm	11.01	0.0	0.0		
LAB*LABn	11.01	0.0	0.0		
LAB*LABo	11.01	0.0	0.0		
LAB*LABp	11.01	0.0	0.0		
LAB*LABq	11.01	0.0	0.0		
LAB*LABr	11.01	0.0	0.0		
LAB*LABs	11.01	0.0	0.0		
LAB*LABt	11.01	0.0	0.0		
LAB*LABu	11.01	0.0	0.0		
LAB*LABv	11.01	0.0	0.0		
LAB*LABw	11.01	0.0	0.0		
LAB*LABx	11.01	0.0	0.0		
LAB*LABy	11.01	0.0	0.0		
LAB*LABz	11.01	0.0	0.0		

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	84.85	1.11	-21.06	
LAB*LABa	84.85	1.09	-21.06	
LAB*LABb	84.85	21.09	272.97	
relative CIELAB lab*				
lab*lab	0.875	0.103	-0.249	
lab*lab ^c	0.875	0.25	0.758	
lab*lab ^{ch}	0.0	0.25	0.758	
relative Natural Color (NC)				
lab*lab ^{nc}	0.875	0.005	-0.249	
lab*lab ^{nce}	0.875	0.25	0.758	
lab*lab ^{nce}	0.0	0.25	0.758	

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

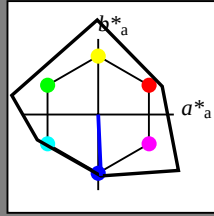
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

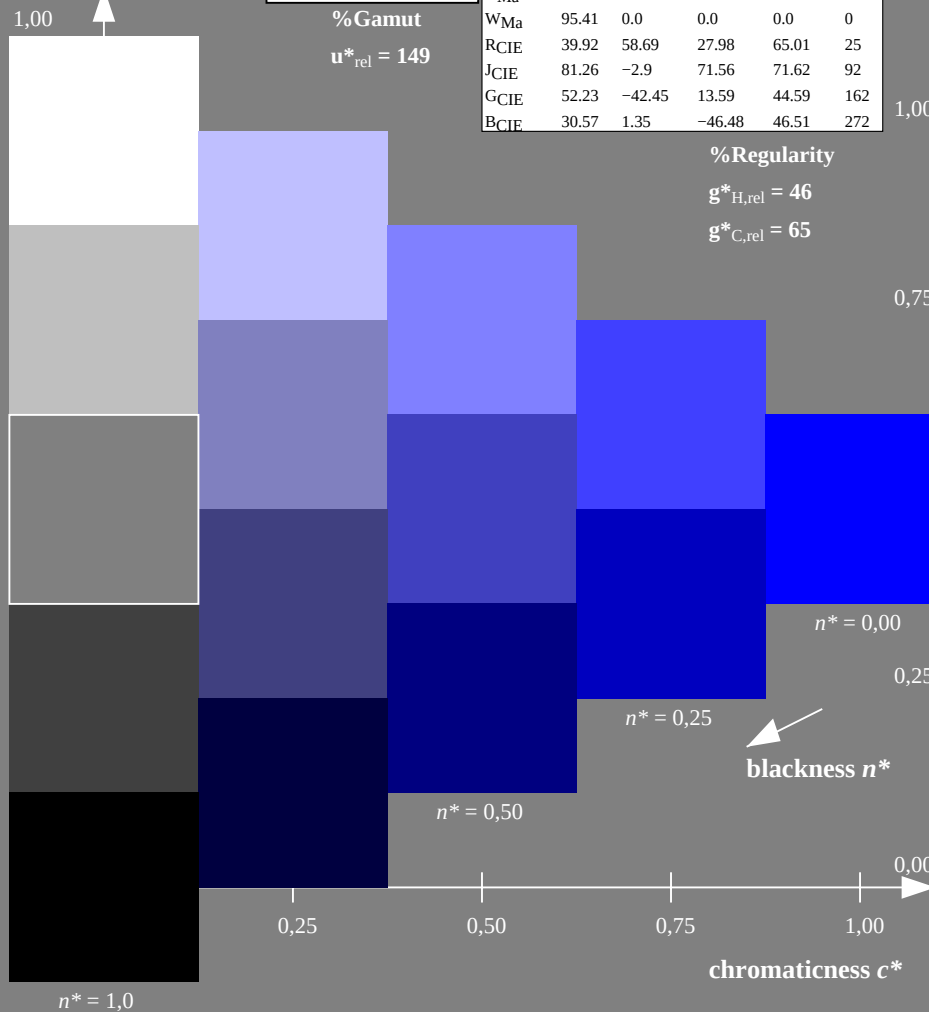
rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.757 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

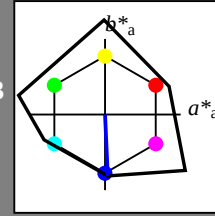
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

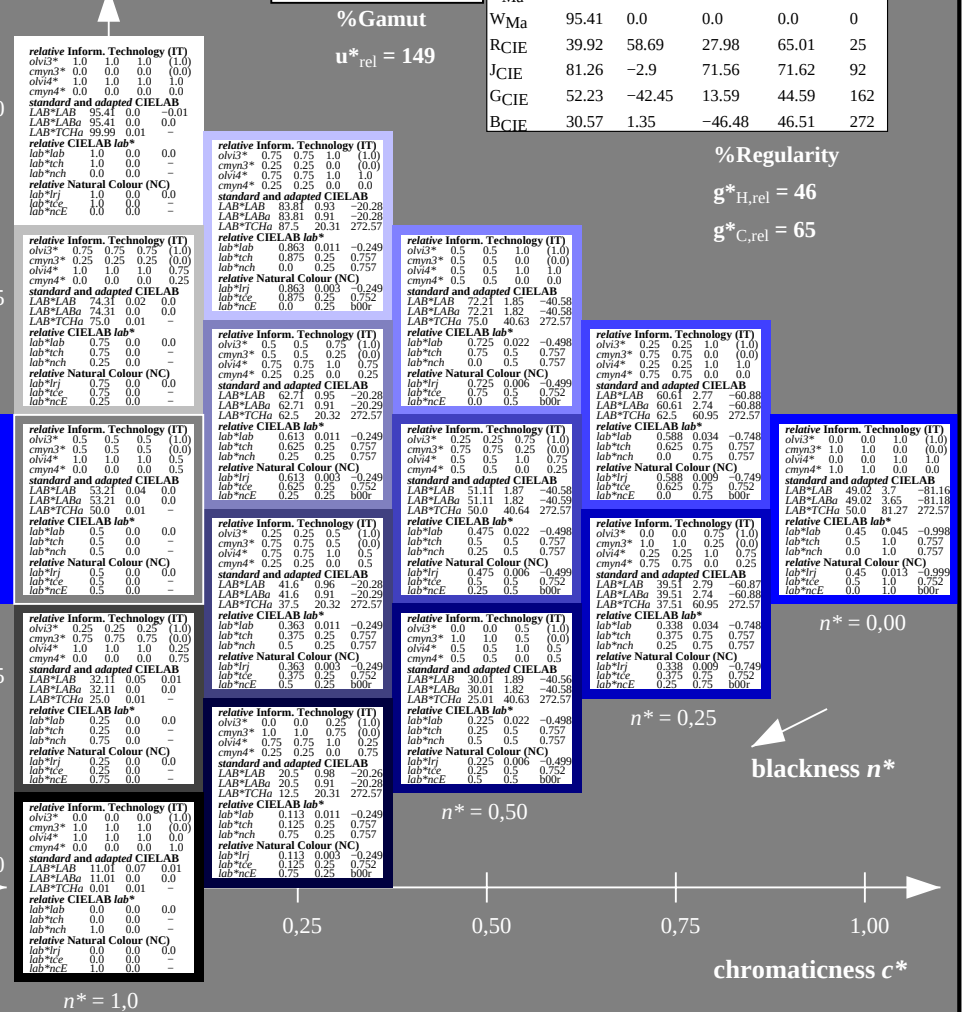
rgb*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$



5 step scales for constant CIELAB hue 273/360 = 0.757 (right)

NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	-0.01
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0
LAB*LABd	95.41	0.0	0.0
LAB*LABe	95.41	0.0	0.0
LAB*LABf	95.41	0.0	0.0
LAB*LABg	95.41	0.0	0.0
LAB*LABh	95.41	0.0	0.0
LAB*LABi	95.41	0.0	0.0
LAB*LABj	95.41	0.0	0.0
LAB*LABk	95.41	0.0	0.0
LAB*LABl	95.41	0.0	0.0
LAB*LABm	95.41	0.0	0.0
LAB*LABn	95.41	0.0	0.0
LAB*LABo	95.41	0.0	0.0
LAB*LABp	95.41	0.0	0.0
LAB*LABq	95.41	0.0	0.0
LAB*LABr	95.41	0.0	0.0
LAB*LABs	95.41	0.0	0.0
LAB*LABt	95.41	0.0	0.0
LAB*LABu	95.41	0.0	0.0
LAB*LABv	95.41	0.0	0.0
LAB*LABw	95.41	0.0	0.0
LAB*LABx	95.41	0.0	0.0
LAB*LABy	95.41	0.0	0.0
LAB*LABz	95.41	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.31	0.0	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0
LAB*LABc	74.31	0.0	0.0
LAB*LABd	74.31	0.0	0.0
LAB*LABe	74.31	0.0	0.0
LAB*LABf	74.31	0.0	0.0
LAB*LABg	74.31	0.0	0.0
LAB*LABh	74.31	0.0	0.0
LAB*LABi	74.31	0.0	0.0
LAB*LABj	74.31	0.0	0.0
LAB*LABk	74.31	0.0	0.0
LAB*LABl	74.31	0.0	0.0
LAB*LABm	74.31	0.0	0.0
LAB*LABn	74.31	0.0	0.0
LAB*LABo	74.31	0.0	0.0
LAB*LABp	74.31	0.0	0.0
LAB*LABq	74.31	0.0	0.0
LAB*LABr	74.31	0.0	0.0
LAB*LABs	74.31	0.0	0.0
LAB*LABt	74.31	0.0	0.0
LAB*LABu	74.31	0.0	0.0
LAB*LABv	74.31	0.0	0.0
LAB*LABw	74.31	0.0	0.0
LAB*LABx	74.31	0.0	0.0
LAB*LABy	74.31	0.0	0.0
LAB*LABz	74.31	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.71	0.0	0.0
LAB*LABa	62.71	0.0	0.0
LAB*LABb	62.71	0.0	0.0
LAB*LABc	62.71	0.0	0.0
LAB*LABd	62.71	0.0	0.0
LAB*LABe	62.71	0.0	0.0
LAB*LABf	62.71	0.0	0.0
LAB*LABg	62.71	0.0	0.0
LAB*LABh	62.71	0.0	0.0
LAB*LABi	62.71	0.0	0.0
LAB*LABj	62.71	0.0	0.0
LAB*LABk	62.71	0.0	0.0
LAB*LABl	62.71	0.0	0.0
LAB*LABm	62.71	0.0	0.0
LAB*LABn	62.71	0.0	0.0
LAB*LABo	62.71	0.0	0.0
LAB*LABp	62.71	0.0	0.0
LAB*LABq	62.71	0.0	0.0
LAB*LABr	62.71	0.0	0.0
LAB*LABs	62.71	0.0	0.0
LAB*LABt	62.71	0.0	0.0
LAB*LABu	62.71	0.0	0.0
LAB*LABv	62.71	0.0	0.0
LAB*LABw	62.71	0.0	0.0
LAB*LABx	62.71	0.0	0.0
LAB*LABy	62.71	0.0	0.0
LAB*LABz	62.71	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	53.21	0.0	0.0
LAB*LABa	53.21	0.0	0.0
LAB*LABb	53.21	0.0	0.0
LAB*LABc	53.21	0.0	0.0
LAB*LABd	53.21	0.0	0.0
LAB*LABe	53.21	0.0	0.0
LAB*LABf	53.21	0.0	0.0
LAB*LABg	53.21	0.0	0.0
LAB*LABh	53.21	0.0	0.0
LAB*LABi	53.21	0.0	0.0
LAB*LABj	53.21	0.0	0.0
LAB*LABk	53.21	0.0	0.0
LAB*LABl	53.21	0.0	0.0
LAB*LABm	53.21	0.0	0.0
LAB*LABn	53.21	0.0	0.0
LAB*LABo	53.21	0.0	0.0
LAB*LABp	53.21	0.0	0.0
LAB*LABq	53.21	0.0	0.0
LAB*LABr	53.21	0.0	0.0
LAB*LABs	53.21	0.0	0.0
LAB*LABt	53.21	0.0	0.0
LAB*LABu	53.21	0.0	0.0
LAB*LABv	53.21	0.0	0.0
LAB*LABw	53.21	0.0	0.0
LAB*LABx	53.21	0.0	0.0
LAB*LABy	53.21	0.0	0.0
LAB*LABz	53.21	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	41.6	0.0	0.0
LAB*LABa	41.6	0.0	0.0
LAB*LABb	41.6	0.0	0.0
LAB*LABc	41.6	0.0	0.0
LAB*LABd	41.6	0.0	0.0
LAB*LABe	41.6	0.0	0.0
LAB*LABf	41.6	0.0	0.0
LAB*LABg	41.6	0.0	0.0
LAB*LABh	41.6	0.0	0.0
LAB*LABi	41.6	0.0	0.0
LAB*LABj	41.6	0.0	0.0
LAB*LABk	41.6	0.0	0.0
LAB*LABl	41.6	0.0	0.0
LAB*LABm	41.6	0.0	0.0
LAB*LABn	41.6	0.0	0.0
LAB*LABo	41.6	0.0	0.0
LAB*LABp	41.6	0.0	0.0
LAB*LABq	41.6	0.0	0.0
LAB*LABr	41.6	0.0	0.0
LAB*LABs	41.6	0.0	0.0
LAB*LABt	41.6	0.0	0.0
LAB*LABu	41.6	0.0	0.0
LAB*LABv	41.6	0.0	0.0
LAB*LABw	41.6	0.0	0.0
LAB*LABx	41.6	0.0	0.0
LAB*LABy	41.6	0.0	0.0
LAB*LABz	41.6	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	32.11	0.0	0.0
LAB*LABa	32.11	0.0	0.0
LAB*LABb	32.11	0.0	0.0
LAB*LABc	32.11	0.0	0.0
LAB*LABd	32.11	0.0	0.0
LAB*LABe	32.11	0.0	0.0
LAB*LABf	32.11	0.0	0.0
LAB*LABg	32.11	0.0	0.0
LAB*LABh	32.11	0.0	0.0
LAB*LABi	32.11	0.0	0.0
LAB*LABj	32.11	0.0	0.0
LAB*LABk	32.11	0.0	0.0
LAB*LABl	32.11	0.0	0.0
LAB*LABm	32.11	0.0	0.0
LAB*LABn	32.11	0.0	0.0
LAB*LABo	32.11	0.0	0.0
LAB*LABp	32.11	0.0	0.0
LAB*LABq	32.11	0.0	0.0
LAB*LABr	32.11	0.0	0.0
LAB*LABs	32.11	0.0	0.0
LAB*LABt	32.11	0.0	0.0
LAB*LABu	32.11	0.0	0.0
LAB*LABv	32.11	0.0	0.0
LAB*LABw	32.11	0.0	0.0
LAB*LABx	32.11	0.0	0.0
LAB*LABy	32.11	0.0	0.0
LAB*LABz	32.11	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.0	0.0	0.0
LAB*LABa	25.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0
LAB*LABc	25.0	0.0	0.0
LAB*LABd	25.0	0.0	0.0
LAB*LABe	25.0	0.0	0.0
LAB*LABf	25.0	0.0	0.0
LAB*LABg	25.0	0.0	0.0
LAB*LABh	25.0	0.0	0.0
LAB*LABi	25.0	0.0	0.0
LAB*LABj	25.0	0.0	0.0
LAB*LABk	25.0	0.0	0.0
LAB*LABl	25.0	0.0	0.0
LAB*LABm	25.0	0.0	0.0
LAB*LABn	25.0	0.0	0.0
LAB*LABo	25.0	0.0	0.0
LAB*LABp	25.0	0.0	0.0
LAB*LABq	25.0	0.0	0.0
LAB*LABr	25.0	0.0	0.0
LAB*LABs	25.0	0.0	0.0
LAB*LABt	25.0	0.0	0.0
LAB*LABu	25.0	0.0	0.0
LAB*LABv	25.0	0.0	0.0
LAB*LABw	25.0	0.0	0.0
LAB*LABx	25.0	0.0	0.0
LAB*LABy	25.0	0.0	0.0
LAB*LABz	25.0	0.0	0.0

<i>cmyn3*</i>	1.0	1.0	1.0	(0.0)
<i>olvi4*</i>	1.0	1.0	1.0	0.0
<i>cmyn4*</i>	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
<i>LAB*LAB</i>	11.01	0.07	0.01	
<i>LAB*LABa</i>	11.01	0.0	0.0	
<i>LAB*TChA</i>	0.01	0.01	-	
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	
<i>lab*lab</i>	0.0	0.0		

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

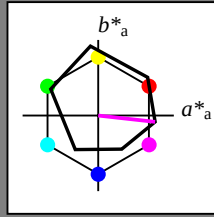
LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut



$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

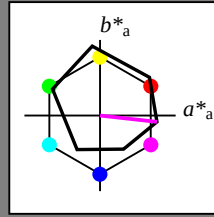
LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut



$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

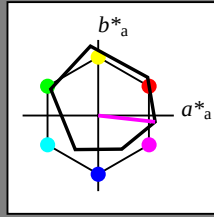
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

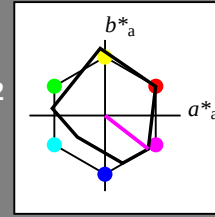
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 322/360 = 0.895 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

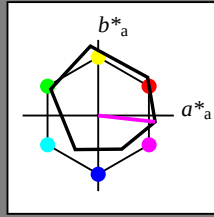
LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

% Gamut



$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

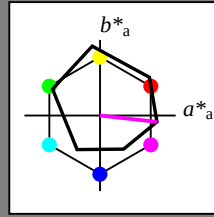
LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

% Gamut



$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

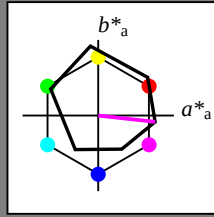
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

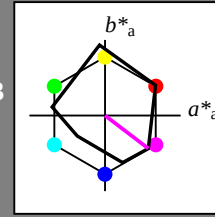
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

5 step scales for constant CIELAB hue 323/360 = 0.896 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

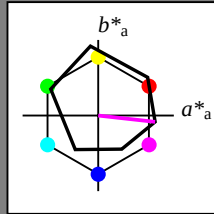
0,25

0,50

0,75

1,00

chromaticness c^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

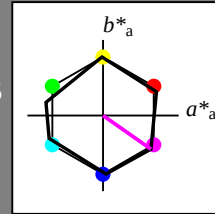
0,25

0,50

0,75

1,00

chromaticness c^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

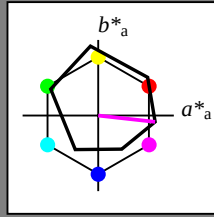
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

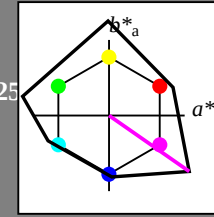
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

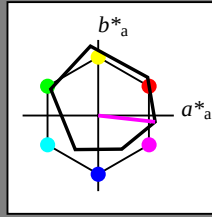
D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	74.31	0.0	0.0		
LAB*LABc	74.31	0.0	0.0		
LAB*LABd	74.31	0.0	0.0		
LAB*LABe	74.31	0.0	0.0		
LAB*LABf	74.31	0.0	0.0		
LAB*LABg	74.31	0.0	0.0		
LAB*LABh	74.31	0.0	0.0		
LAB*LABi	74.31	0.0	0.0		
LAB*LABj	74.31	0.0	0.0		
LAB*LABk	74.31	0.0	0.0		
LAB*LABl	74.31	0.0	0.0		
LAB*LABm	74.31	0.0	0.0		
LAB*LABn	74.31	0.0	0.0		
LAB*LABo	74.31	0.0	0.0		
LAB*LABp	74.31	0.0	0.0		
LAB*LABq	74.31	0.0	0.0		
LAB*LABr	74.31	0.0	0.0		
LAB*LABs	74.31	0.0	0.0		
LAB*LABt	74.31	0.0	0.0		
LAB*LABu	74.31	0.0	0.0		
LAB*LABv	74.31	0.0	0.0		
LAB*LABw	74.31	0.0	0.0		
LAB*LABx	74.31	0.0	0.0		
LAB*LABy	74.31	0.0	0.0		
LAB*LABz	74.31	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	53.21	0.0	0.0		
LAB*LABc	53.21	0.0	0.0		
LAB*LABd	53.21	0.0	0.0		
LAB*LABe	53.21	0.0	0.0		
LAB*LABf	53.21	0.0	0.0		
LAB*LABg	53.21	0.0	0.0		
LAB*LABh	53.21	0.0	0.0		
LAB*LABi	53.21	0.0	0.0		
LAB*LABj	53.21	0.0	0.0		
LAB*LABk	53.21	0.0	0.0		
LAB*LABl	53.21	0.0	0.0		
LAB*LABm	53.21	0.0	0.0		
LAB*LABn	53.21	0.0	0.0		
LAB*LABo	53.21	0.0	0.0		
LAB*LABp	53.21	0.0	0.0		
LAB*LABq	53.21	0.0	0.0		
LAB*LABr	53.21	0.0	0.0		
LAB*LABs	53.21	0.0	0.0		
LAB*LABt	53.21	0.0	0.0		
LAB*LABu	53.21	0.0	0.0		
LAB*LABv	53.21	0.0	0.0		
LAB*LABw	53.21	0.0	0.0		
LAB*LABx	53.21	0.0	0.0		
LAB*LABy	53.21	0.0	0.0		
LAB*LABz	53.21	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	32.11	0.0	0.0		
LAB*LABc	32.11	0.0	0.0		
LAB*LABd	32.11	0.0	0.0		
LAB*LABe	32.11	0.0	0.0		
LAB*LABf	32.11	0.0	0.0		
LAB*LABg	32.11	0.0	0.0		
LAB*LABh	32.11	0.0	0.0		
LAB*LABi	32.11	0.0	0.0		
LAB*LABj	32.11	0.0	0.0		
LAB*LABk	32.11	0.0	0.0		
LAB*LABl	32.11	0.0	0.0		
LAB*LABm	32.11	0.0	0.0		
LAB*LABn	32.11	0.0	0.0		
LAB*LABo	32.11	0.0	0.0		
LAB*LABp	32.11	0.0	0.0		
LAB*LABq	32.11	0.0	0.0		
LAB*LABr	32.11	0.0	0.0		
LAB*LABs	32.11	0.0	0.0		
LAB*LABt	32.11	0.0	0.0		
LAB*LABu	32.11	0.0	0.0		
LAB*LABv	32.11	0.0	0.0		
LAB*LABw	32.11	0.0	0.0		
LAB*LABx	32.11	0.0	0.0		
LAB*LABy	32.11	0.0	0.0		
LAB*LABz	32.11	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	11.01	0.0	0.0		
LAB*LABc	11.01	0.0	0.0		
LAB*LABd	11.01	0.0	0.0		
LAB*LABe	11.01	0.0	0.0		
LAB*LABf	11.01	0.0	0.0		
LAB*LABg	11.01	0.0	0.0		
LAB*LABh	11.01	0.0	0.0		
LAB*LABi	11.01	0.0	0.0		
LAB*LABj	11.01	0.0	0.0		
LAB*LABk	11.01	0.0	0.0		
LAB*LABl	11.01	0.0	0.0		
LAB*LABm	11.01	0.0	0.0		
LAB*LABn	11.01	0.0	0.0		
LAB*LABo	11.01	0.0	0.0		
LAB*LABp	11.01	0.0	0.0		
LAB*LABq	11.01	0.0	0.0		
LAB*LABr	11.01	0.0	0.0		
LAB*LABs	11.01	0.0	0.0		
LAB*LABt	11.01	0.0	0.0		
LAB*LABu	11.01	0.0	0.0		
LAB*LABv	11.01	0.0	0.0		
LAB*LABw	11.01	0.0	0.0		
LAB*LABx	11.01	0.0	0.0		
LAB*LABy	11.01	0.0	0.0		
LAB*LABz	11.01	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	0.0	0.0	0.0		
LAB*LABa	0.0	0.0	0.0		
LAB*LABb	0.0	0.0	0.0		
LAB*LABc	0.0	0.0	0.0		
LAB*LABd	0.0	0.0	0.0		
LAB*LABe	0.0	0.0	0.0		
LAB*LABf	0.0	0.0	0.0		
LAB*LABg	0.0	0.0	0.0		
LAB*LABh	0.0	0.0	0.0		
LAB*LABi	0.0	0.0	0.0		
LAB*LABj	0.0	0.0	0.0		
LAB*LABk	0.0	0.0	0.0		
LAB*LABl	0.0	0.0	0.0		
LAB*LABm	0.0	0.0	0.0		
LAB*LABn	0.0	0.0	0.0		
LAB*LABo	0.0	0.0	0.0		
LAB*LABp	0.0	0.0	0.0		
LAB*LABq	0.0	0.0	0.0		
LAB*LABr	0.0	0.0	0.0		
LAB*LABs	0.0	0.0	0.0		
LAB*LABt	0.0	0.0	0.0		
LAB*LABu	0.0	0.0	0.0		
LAB*LABv	0.0	0.0	0.0		
LAB*LABw	0.0	0.0	0.0		
LAB*LABx	0.0	0.0	0.0		
LAB*LABy	0.0	0.0	0.0		
LAB*LABz	0.0	0.0	0.0		

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	32.11	0.05	0.01	
LAB*LABa	32.11	0.0	0.0	
LAB*TCRa	25.0	0.01	-	

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

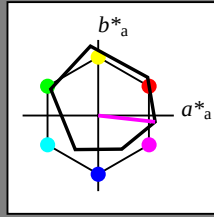
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

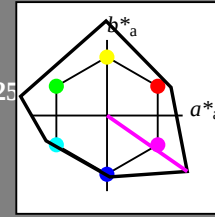
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

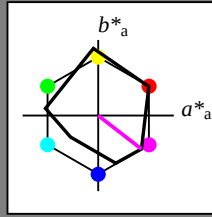
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

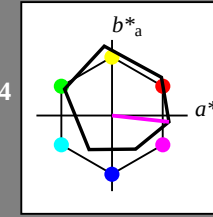
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

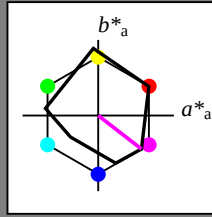
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

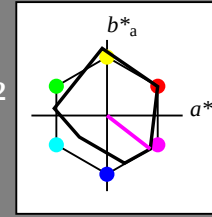
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 322/360 = 0.895 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

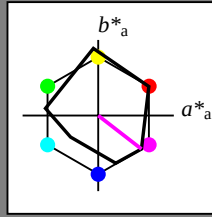
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

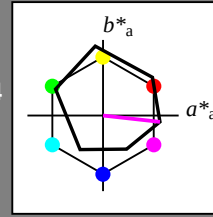
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

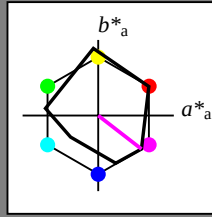
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

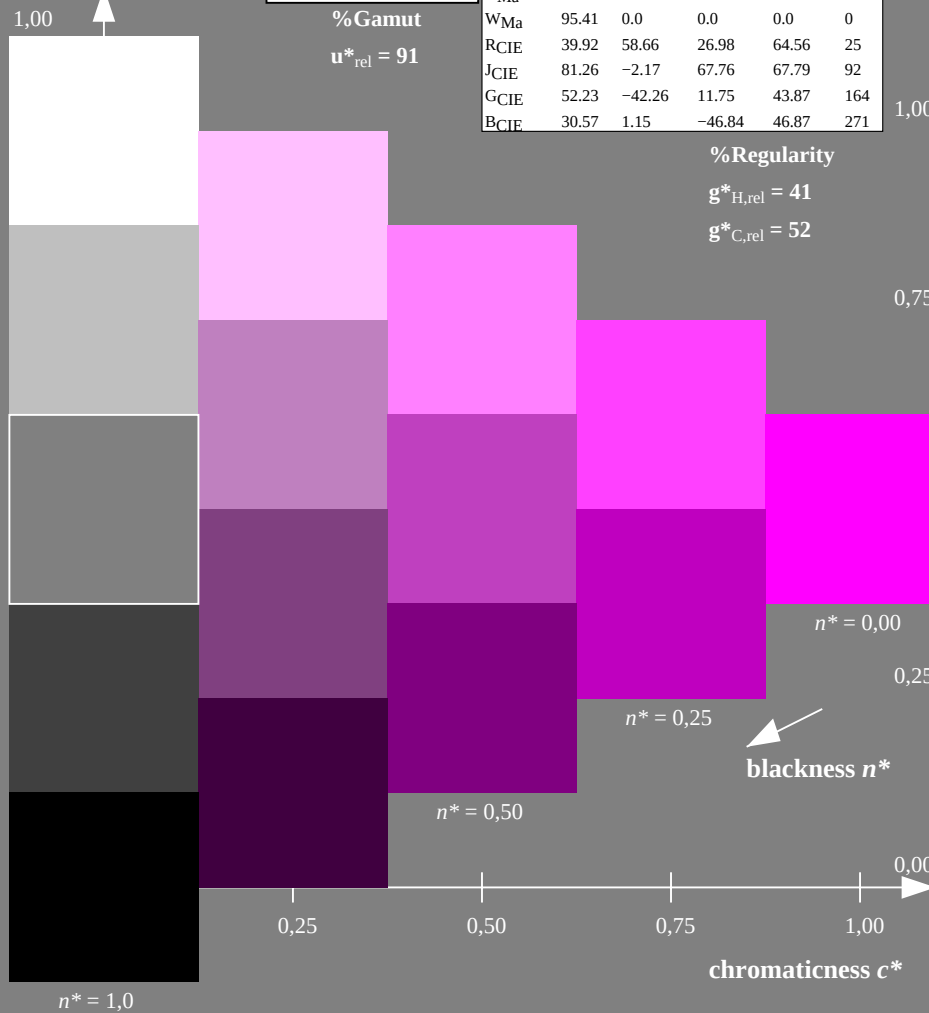
rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$



TE400-7, 5 step scales for constant CIE LAB hue 322/360 = 0.895 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

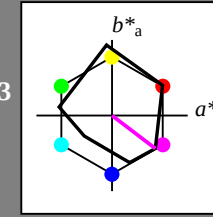
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

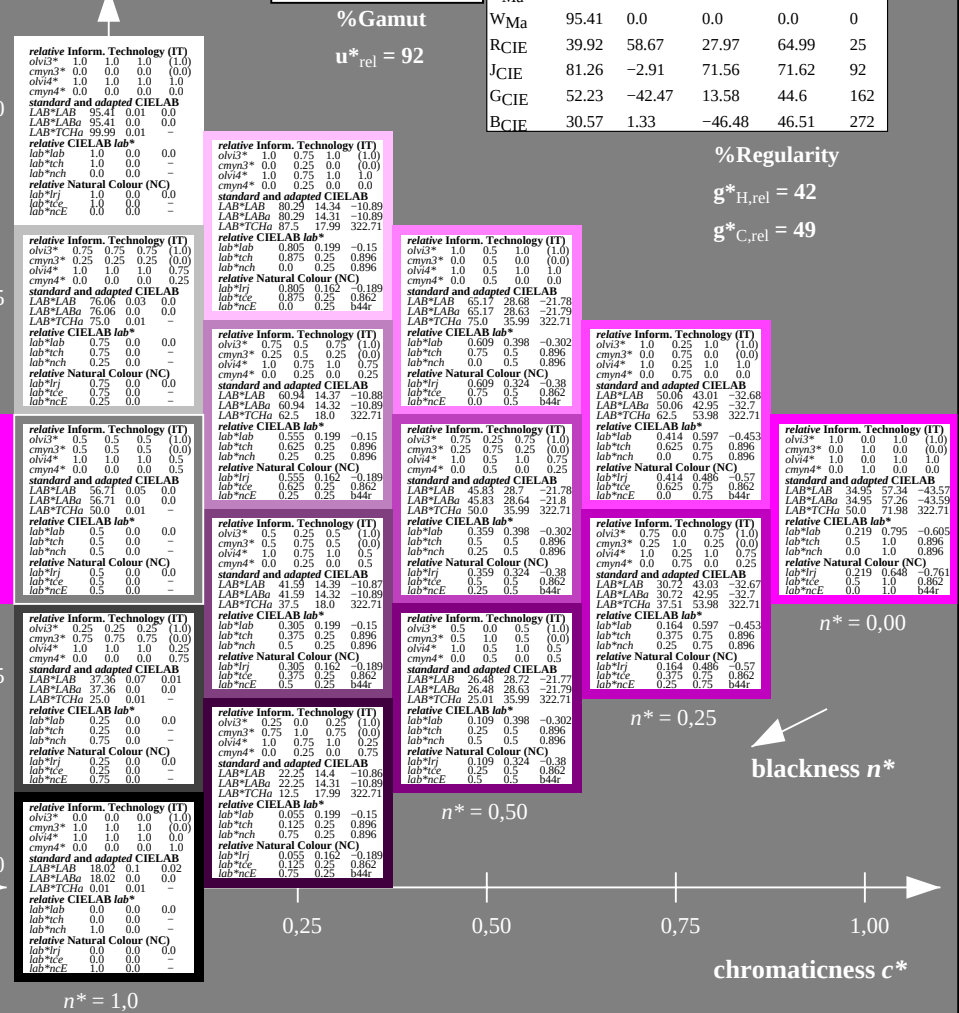
rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



5 step scales for constant CIE LAB hue 323/360 = 0.896 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

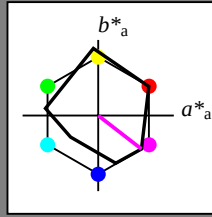
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

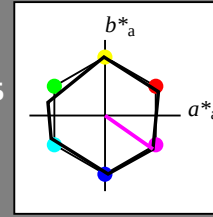
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

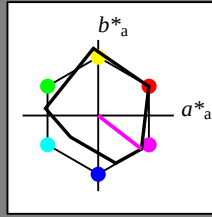
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

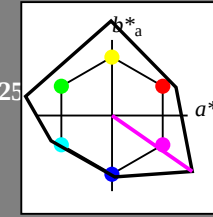
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

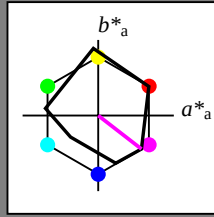
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

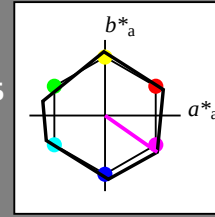
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

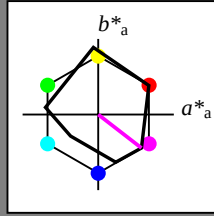
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

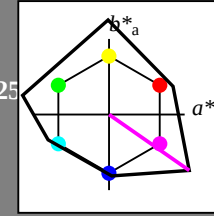
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	74.31	0.0	0.0		
LAB*LABc	74.31	0.0	0.0		
LAB*LABd	74.31	0.0	0.0		
LAB*LABe	74.31	0.0	0.0		
LAB*LABf	74.31	0.0	0.0		
LAB*LABg	74.31	0.0	0.0		
LAB*LABh	74.31	0.0	0.0		
LAB*LABi	74.31	0.0	0.0		
LAB*LABj	74.31	0.0	0.0		
LAB*LABk	74.31	0.0	0.0		
LAB*LABl	74.31	0.0	0.0		
LAB*LABm	74.31	0.0	0.0		
LAB*LABn	74.31	0.0	0.0		
LAB*LABo	74.31	0.0	0.0		
LAB*LABp	74.31	0.0	0.0		
LAB*LABq	74.31	0.0	0.0		
LAB*LABr	74.31	0.0	0.0		
LAB*LABs	74.31	0.0	0.0		
LAB*LABt	74.31	0.0	0.0		
LAB*LABu	74.31	0.0	0.0		
LAB*LABv	74.31	0.0	0.0		
LAB*LABw	74.31	0.0	0.0		
LAB*LABx	74.31	0.0	0.0		
LAB*LABy	74.31	0.0	0.0		
LAB*LABz	74.31	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	53.21	0.0	0.0		
LAB*LABc	53.21	0.0	0.0		
LAB*LABd	53.21	0.0	0.0		
LAB*LABe	53.21	0.0	0.0		
LAB*LABf	53.21	0.0	0.0		
LAB*LABg	53.21	0.0	0.0		
LAB*LABh	53.21	0.0	0.0		
LAB*LABi	53.21	0.0	0.0		
LAB*LABj	53.21	0.0	0.0		
LAB*LABk	53.21	0.0	0.0		
LAB*LABl	53.21	0.0	0.0		
LAB*LABm	53.21	0.0	0.0		
LAB*LABn	53.21	0.0	0.0		
LAB*LABo	53.21	0.0	0.0		
LAB*LABp	53.21	0.0	0.0		
LAB*LABq	53.21	0.0	0.0		
LAB*LABr	53.21	0.0	0.0		
LAB*LABs	53.21	0.0	0.0		
LAB*LABt	53.21	0.0	0.0		
LAB*LABu	53.21	0.0	0.0		
LAB*LABv	53.21	0.0	0.0		
LAB*LABw	53.21	0.0	0.0		
LAB*LABx	53.21	0.0	0.0		
LAB*LABy	53.21	0.0	0.0		
LAB*LABz	53.21	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	32.11	0.0	0.0		
LAB*LABc	32.11	0.0	0.0		
LAB*LABd	32.11	0.0	0.0		
LAB*LABe	32.11	0.0	0.0		
LAB*LABf	32.11	0.0	0.0		
LAB*LABg	32.11	0.0	0.0		
LAB*LABh	32.11	0.0	0.0		
LAB*LABi	32.11	0.0	0.0		
LAB*LABj	32.11	0.0	0.0		
LAB*LABk	32.11	0.0	0.0		
LAB*LABl	32.11	0.0	0.0		
LAB*LABm	32.11	0.0	0.0		
LAB*LABn	32.11	0.0	0.0		
LAB*LABo	32.11	0.0	0.0		
LAB*LABp	32.11	0.0	0.0		
LAB*LABq	32.11	0.0	0.0		
LAB*LABr	32.11	0.0	0.0		
LAB*LABs	32.11	0.0	0.0		
LAB*LABt	32.11	0.0	0.0		
LAB*LABu	32.11	0.0	0.0		
LAB*LABv	32.11	0.0	0.0		
LAB*LABw	32.11	0.0	0.0		
LAB*LABx	32.11	0.0	0.0		
LAB*LABy	32.11	0.0	0.0		
LAB*LABz	32.11	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	11.01	0.0	0.0		
LAB*LABc	11.01	0.0	0.0		
LAB*LABd	11.01	0.0	0.0		
LAB*LABe	11.01	0.0	0.0		
LAB*LABf	11.01	0.0	0.0		
LAB*LABg	11.01	0.0	0.0		
LAB*LABh	11.01	0.0	0.0		
LAB*LABi	11.01	0.0	0.0		
LAB*LABj	11.01	0.0	0.0		
LAB*LABk	11.01	0.0	0.0		
LAB*LABl	11.01	0.0	0.0		
LAB*LABm	11.01	0.0	0.0		
LAB*LABn	11.01	0.0	0.0		
LAB*LABo	11.01	0.0	0.0		
LAB*LABp	11.01	0.0	0.0		
LAB*LABq	11.01	0.0	0.0		
LAB*LABr	11.01	0.0	0.0		
LAB*LABs	11.01	0.0	0.0		
LAB*LABt	11.01	0.0	0.0		
LAB*LABu	11.01	0.0	0.0		
LAB*LABv	11.01	0.0	0.0		
LAB*LABw	11.01	0.0	0.0		
LAB*LABx	11.01	0.0	0.0		
LAB*LABy	11.01	0.0	0.0		
LAB*LABz	11.01	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

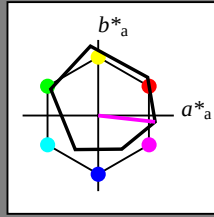
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

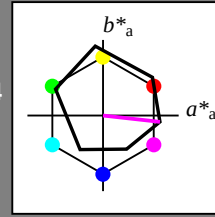
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

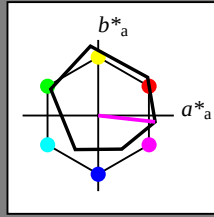
D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	1.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

0,75

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.75	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.75
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

0,25

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.0	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.25
LAB*LAB	41.59	0.0	0.0	0.0	0.0
LAB*LABa	41.59	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

0,00

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

lab^*tch and lab^*nch

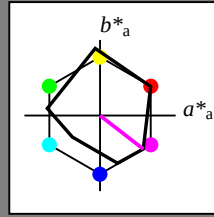
D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

relative CIELAB lab*		
lab*lab	0.75	0.0
lab*tch	0.75	0.0
lab*nch	0.25	0.0
relative Natural Colour (NC)		
lab*lrj	0.75	0.0
lab*tce	0.75	0.0
lab*nce	0.25	0.0

relative Inform. Technology (IT)		
olvi3*	0.5	0.5 (1.0)
cmyn3*	0.5	0.5 (1.0)
olvi4*	1.0	1.0 1.0 0.5
cmyn4*	0.0	0.0 0.0 0.5
standard and adapted CIELAB		
LAB*LAB	56.71	-0.23 2.14

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

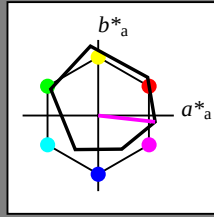
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

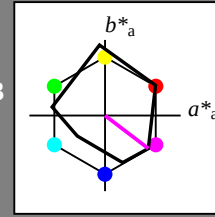
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 323/360 = 0.896 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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1,00

chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

0,25

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1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

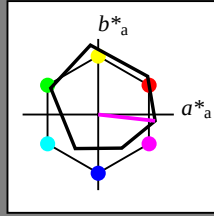
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

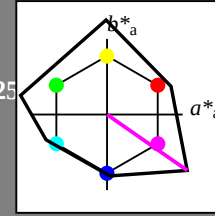
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

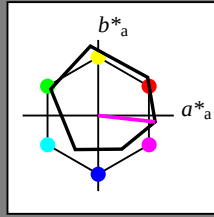
D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TCHa	75.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TCHa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*TCHa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*TCHa	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

triangle lightness

% Gamut

$u^*_{rel} = 119$

0,75

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 -0.01

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.0 0.0

LAB*LABa 74.31 0.0 0.0

LAB*TCHa 75.01 0.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 53.21 0.0 0.0

LAB*LABa 53.21 0.0 0.0

LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 32.11 0.05 0.01

LAB*LABa 32.11 0.0 0.0

LAB*TCHa 25.0 0.01 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*lab 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.25 0.0 0.0

lab*lab 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 11.01 0.07 0.01

LAB*LABa 11.01 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 11.01 0.07 0.01

LAB*LABa 11.01 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)</

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

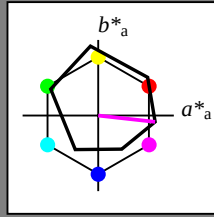
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

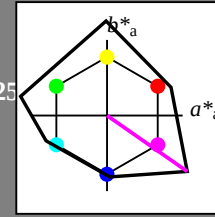
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
CMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

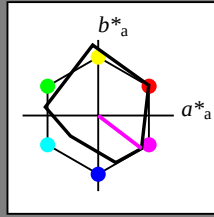
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 323/360 = 0.896 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

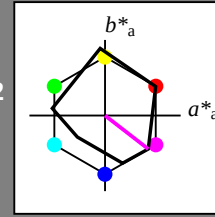
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	76.06	0.0	0.0		
LAB*LABc	76.06	0.0	0.0		
LAB*LABd	76.06	0.0	0.0		
LAB*LABe	76.06	0.0	0.0		
LAB*LABf	76.06	0.0	0.0		
LAB*LABg	76.06	0.0	0.0		
LAB*LABh	76.06	0.0	0.0		
LAB*LABi	76.06	0.0	0.0		
LAB*LABj	76.06	0.0	0.0		
LAB*LABk	76.06	0.0	0.0		
LAB*LABl	76.06	0.0	0.0		
LAB*LABm	76.06	0.0	0.0		
LAB*LABn	76.06	0.0	0.0		
LAB*LABo	76.06	0.0	0.0		
LAB*LABp	76.06	0.0	0.0		
LAB*LABq	76.06	0.0	0.0		
LAB*LABr	76.06	0.0	0.0		
LAB*LABs	76.06	0.0	0.0		
LAB*LABt	76.06	0.0	0.0		
LAB*LABu	76.06	0.0	0.0		
LAB*LABv	76.06	0.0	0.0		
LAB*LABw	76.06	0.0	0.0		
LAB*LABx	76.06	0.0	0.0		
LAB*LABy	76.06	0.0	0.0		
LAB*LABz	76.06	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.3	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	56.71	0.0	0.0		
LAB*LABc	56.71	0.0	0.0		
LAB*LABd	56.71	0.0	0.0		
LAB*LABe	56.71	0.0	0.0		
LAB*LABf	56.71	0.0	0.0		
LAB*LABg	56.71	0.0	0.0		
LAB*LABh	56.71	0.0	0.0		
LAB*LABi	56.71	0.0	0.0		
LAB*LABj	56.71	0.0	0.0		
LAB*LABk	56.71	0.0	0.0		
LAB*LABl	56.71	0.0	0.0		
LAB*LABm	56.71	0.0	0.0		
LAB*LABn	56.71	0.0	0.0		
LAB*LABo	56.71	0.0	0.0		
LAB*LABp	56.71	0.0	0.0		
LAB*LABq	56.71	0.0	0.0		
LAB*LABr	56.71	0.0	0.0		
LAB*LABs	56.71	0.0	0.0		
LAB*LABt	56.71	0.0	0.0		
LAB*LABu	56.71	0.0	0.0		
LAB*LABv	56.71	0.0	0.0		
LAB*LABw	56.71	0.0	0.0		
LAB*LABx	56.71	0.0	0.0		
LAB*LABy	56.71	0.0	0.0		
LAB*LABz	56.71	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 322/360 = 0.895 (right)

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	80.29	13.6	-7.31		
LAB*LABa	80.29	14.29	-11.05		
LAB*LABb	80.29	14.29	-11.05		
LAB*LABc	80.29	14.29	-11.05		
LAB*LABd	80.29	14.29	-11.05		
LAB*LABe	80.29	14.29	-11.05		
LAB*LABf	80.29	14.29	-11.05		
LAB*LABg	80.29	14.29	-11.05		
LAB*LABh	80.29	14.29	-11.05		
LAB*LABi	80.29	14.29	-11.05		
LAB*LABj	80.29	14.29	-11.05		
LAB*LABk	80.29	14.29	-11.05		
LAB*LABl	80.29	14.29	-11.05		
LAB*LABm	80.29	14.29	-11.05		
LAB*LABn	80.29	14.29	-11.05		
LAB*LABo	80.29	14.29	-11.05		
LAB*LABp	80.29	14.29	-11.05		
LAB*LABq	80.29	14.29	-11.05		
LAB*LABr	80.29	14.29	-11.05		
LAB*LABs	80.29	14.29	-11.05		
LAB*LABt	80.29	14.29	-11.05		
LAB*LABu	80.29	14.29	-11.05		
LAB*LABv	80.29	14.29	-11.05		
LAB*LABw	80.29	14.29	-11.05		
LAB*LABx	80.29	14.29	-11.05		
LAB*LABy	80.29	14.29	-11.05		
LAB*LABz	80.29	14.29	-11.05		

norm. Technology (IT)					relative CIE
5. 0.25 0.75 (1.0)					lab*lab
5. 0.25 0.75 (1.0)					lab*lab
5. 0.25 0.75 (1.0)					lab*lab
5. 0.25 0.75 (1.0)					lab*nch
5. 0.25 0.75 (1.0)					lab*nch
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5. 0.25 0.75 (1.0)					

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

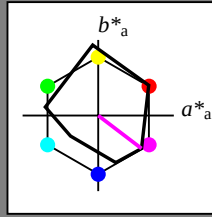
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 323/360 = 0.896 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

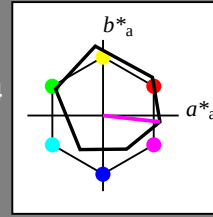
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

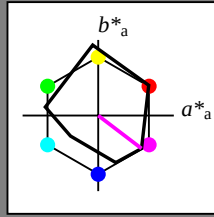
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

0,00

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

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Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

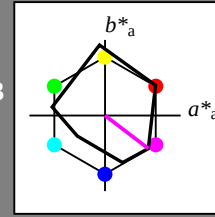
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

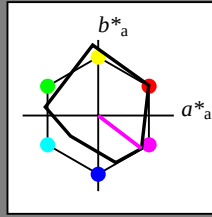
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

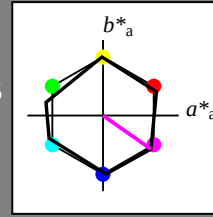
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 323/360 = 0.896 (left)

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

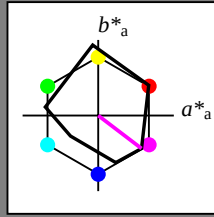
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

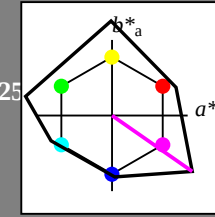
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCBa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*TCBa	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCBa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.01	0.01		
LAB*LABa	37.37	0.01	0.01		
LAB*TCBa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*TCBa	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	1.0	(1.0)	
cmyn3*	0.0	0.25	0.0	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	82.57	26.53	-18.47		
LAB*LABa	82.57	26.51	-18.47		
LAB*TCBa	87.5	32.31	325.12		

relative CIELAB lab*					
lab*lab	0.834	0.205	-0.142		
lab*tch	0.875	0.25	0.903		
lab*nch	0.0	0.25	0.903		
relative Natural Colour (NC)					
lab*trj	0.834	0.168	-0.184		
lab*tce	0.875	0.25	0.867		
lab*nce	0.0	0.25	0.867		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.75	(1.0)	
cmyn3*	0.25	0.5	0.25	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.22	26.56	-18.47		
LAB*LABa	63.22	26.52	-18.48		
LAB*TCBa	62.5	32.33	325.12		

relative CIELAB lab*					
lab*lab	0.584	0.205	-0.142		
lab*tch	0.625	0.25	0.903		
lab*nch	0.25	0.25	0.903		
relative Natural Colour (NC)					
lab*trj	0.584	0.168	-0.184		
lab*tce	0.625	0.25	0.867		
lab*nce	0.25	0.25	0.867		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	50.38	53.1	-36.95		
LAB*LABa	50.38	53.04	-36.97		
LAB*TCBa	50.0	64.65	325.12		

relative CIELAB lab*					
lab*lab	0.418	0.41	-0.285		
lab*tch	0.418	0.41	0.903		
lab*nch	0.25	0.5	0.903		
relative Natural Colour (NC)					
lab*trj	0.418	0.336	-0.369		
lab*tce	0.5	0.5	0.867		
lab*nce	0.25	0.5	0.867		

relative Inform. Technology (IT)					
olvi3*	0.5	0.0	0.5	(1.0)	
cmyn3*	0.5	1.0	0.5	(0.0)	
olvi4*	1.0	0.5	1.0	(1.0)	
cmyn4*	0.0	0.5	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	31.04	53.11	-36.93		
LAB*LABa	31.04	53.03	-36.96		
LAB*TCBa	25.01	64.64	325.12		

relative CIELAB lab*					
lab*lab	0.168	0.41	-0.285		
lab*tch	0.25	0.5	0.903		
lab*nch	0.5	0.5	0.903		
relative Natural Colour (NC)					
lab*trj	0.252	0.336	-0.369		
lab*tce	0.5	0.5	0.867		
lab*nce	0.5	0.5	0.867		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.25	(1.0)	
cmyn3*	0.75	1.0	0.75	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	24.53	26.6	-18.44		
LAB*LABa	24.53	26.51	-18.47		
LAB*TCBa	12.5	32.31	325.12		

	0,25
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Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

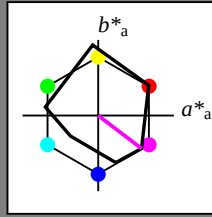
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 323/360 = 0.896 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

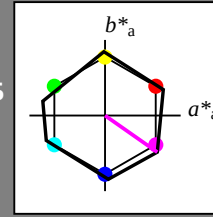
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

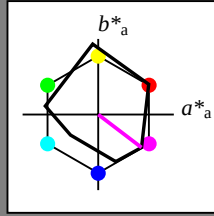
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

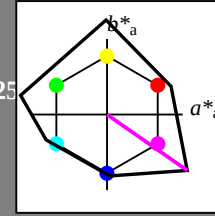
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

0,00

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relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

$n^* = 1,0$

NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,50$

TE400-7, 5 step scales for constant CIELAB hue 323/360 = 0.896 (left)

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

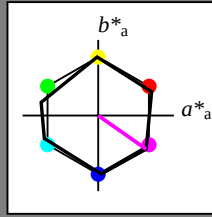
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

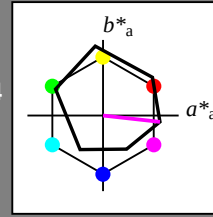
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

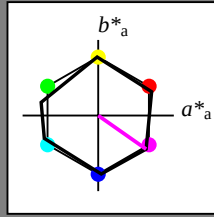
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

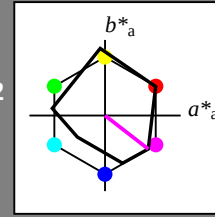
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 322/360 = 0.895 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

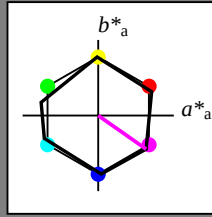
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

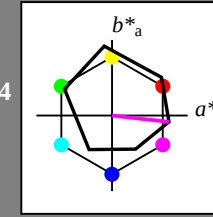
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

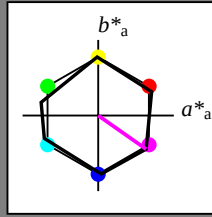
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

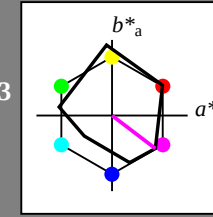
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 323/360 = 0.896 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

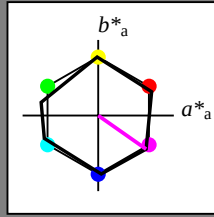
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

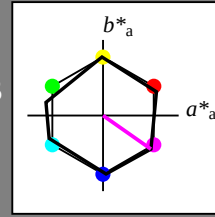
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

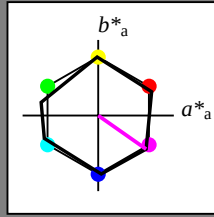
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

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0,00

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

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0,00

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

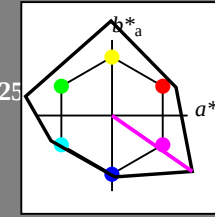
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

0,00

0,00

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0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

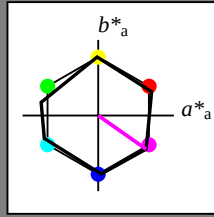
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

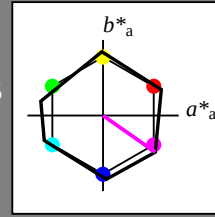
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

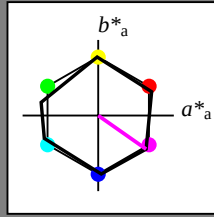
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

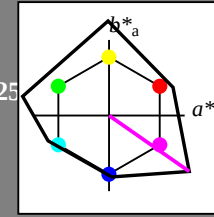
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	74.31	0.0	0.0		
LAB*LABc	74.31	0.0	0.0		
LAB*LABd	74.31	0.0	0.0		
LAB*LABe	74.31	0.0	0.0		
LAB*LABf	74.31	0.0	0.0		
LAB*LABg	74.31	0.0	0.0		
LAB*LABh	74.31	0.0	0.0		
LAB*LABi	74.31	0.0	0.0		
LAB*LABj	74.31	0.0	0.0		
LAB*LABk	74.31	0.0	0.0		
LAB*LABl	74.31	0.0	0.0		
LAB*LABm	74.31	0.0	0.0		
LAB*LABn	74.31	0.0	0.0		
LAB*LABo	74.31	0.0	0.0		
LAB*LABp	74.31	0.0	0.0		
LAB*LABq	74.31	0.0	0.0		
LAB*LABr	74.31	0.0	0.0		
LAB*LABs	74.31	0.0	0.0		
LAB*LABt	74.31	0.0	0.0		
LAB*LABu	74.31	0.0	0.0		
LAB*LABv	74.31	0.0	0.0		
LAB*LABw	74.31	0.0	0.0		
LAB*LABx	74.31	0.0	0.0		
LAB*LABy	74.31	0.0	0.0		
LAB*LABz	74.31	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	61.47	26.56	-18.47		
LAB*LABa	61.47	26.56	-18.47		
LAB*LABb	61.47	26.56	-18.47		
LAB*LABc	61.47	26.56	-18.47		
LAB*LABd	61.47	26.56	-18.47		
LAB*LABe	61.47	26.56	-18.47		
LAB*LABf	61.47	26.56	-18.47		
LAB*LABg	61.47	26.56	-18.47		
LAB*LABh	61.47	26.56	-18.47		
LAB*LABi	61.47	26.56	-18.47		
LAB*LABj	61.47	26.56	-18.47		
LAB*LABk	61.47	26.56	-18.47		
LAB*LABl	61.47	26.56	-18.47		
LAB*LABm	61.47	26.56	-18.47		
LAB*LABn	61.47	26.56	-18.47		
LAB*LABo	61.47	26.56	-18.47		
LAB*LABp	61.47	26.56	-18.47		
LAB*LABq	61.47	26.56	-18.47		
LAB*LABr	61.47	26.56	-18.47		
LAB*LABs	61.47	26.56	-18.47		
LAB*LABt	61.47	26.56	-18.47		
LAB*LABu	61.47	26.56	-18.47		
LAB*LABv	61.47	26.56	-18.47		
LAB*LABw	61.47	26.56	-18.47		
LAB*LABx	61.47	26.56	-18.47		
LAB*LABy	61.47	26.56	-18.47		
LAB*LABz	61.47	26.56	-18.47		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	53.21	0.0	0.0		
LAB*LABc	53.21	0.0	0.0		
LAB*LABd	53.21	0.0	0.0		
LAB*LABe	53.21	0.0	0.0		
LAB*LABf	53.21	0.0	0.0		
LAB*LABg	53.21	0.0	0.0		
LAB*LABh	53.21	0.0	0.0		
LAB*LABi	53.21	0.0	0.0		
LAB*LABj	53.21	0.0	0.0		
LAB*LABk	53.21	0.0	0.0		
LAB*LABl	53.21	0.0	0.0		
LAB*LABm	53.21	0.0	0.0		
LAB*LABn	53.21	0.0	0.0		
LAB*LABo	53.21	0.0	0.0		
LAB*LABp	53.21	0.0	0.0		
LAB*LABq	53.21	0.0	0.0		
LAB*LABr	53.21	0.0	0.0		
LAB*LABs	53.21	0.0	0.0		
LAB*LABt	53.21	0.0	0.0		
LAB*LABu	53.21	0.0	0.0		
LAB*LABv	53.21	0.0	0.0		
LAB*LABw	53.21	0.0	0.0		
LAB*LABx	53.21	0.0	0.0		
LAB*LABy	53.21	0.0	0.0		
LAB*LABz	53.21	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	40.36	26.58	-18.46		
LAB*LABa	40.36	26.58	-18.46		
LAB*LABb	40.36	26.58	-18.46		
LAB*LABc	40.36	26.58	-18.46		
LAB*LABd	40.36	26.58	-18.46		
LAB*LABe	40.36	26.58	-18.46		
LAB*LABf	40.36	26.58	-18.46		
LAB*LABg	40.36	26.58	-18.46		
LAB*LABh	40.36	26.58	-18.46		
LAB*LABi	40.36	26.58	-18.46		
LAB*LABj	40.36	26.58	-18.46		
LAB*LABk	40.36	26.58	-18.46		
LAB*LABl	40.36	26.58	-18.46		
LAB*LABm	40.36	26.58	-18.46		
LAB*LABn	40.36	26.58	-18.46		
LAB*LABo	40.36	26.58	-18.46		
LAB*LABp	40.36	26.58	-18.46		
LAB*LABq	40.36	26.58	-18.46		
LAB*LABr	40.36	26.58	-18.46		
LAB*LABs	40.36	26.58	-18.46		
LAB*LABt	40.36	26.58	-18.46		
LAB*LABu	40.36	26.58	-18.46		
LAB*LABv	40.36	26.58	-18.46		
LAB*LABw	40.36	26.58	-18.46		
LAB*LABx	40.36	26.58	-18.46		
LAB*LABy	40.36	26.58	-18.46		
LAB*LABz	40.36	26.58	-18.46		

lab*lrj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*mcE	0.75	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB			
LAB*LAB	11.01	0.07	0.01

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)



Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

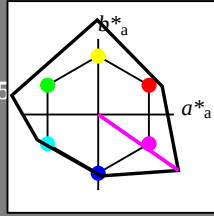
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

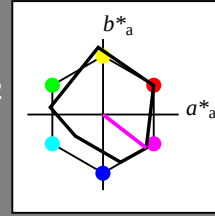
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 322/360 = 0.895 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

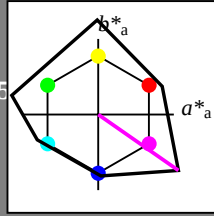
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

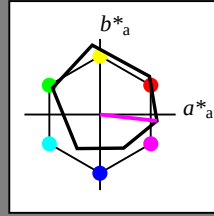
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.3	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	-0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	1.0	(1.0)	
cmyn3*	0.0	0.25	0.0	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.59	18.06	1.87		
LAB*LABa	83.59	18.81	-2.08		
LAB*TCRa	87.5	16.92	353.66		
relative CIELAB lab*					
lab*lab	0.847	0.248	-0.027		
lab*lab	0.875	0.25	0.982		
lab*nch	0.0	0.25	0.982		
relative Natural Colour (NC)					
lab*trj	0.847	0.227	-0.103		
lab*nce	0.875	0.25	0.932		
lab*nce	0.0	0.25	0.727		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.75	(1.0)	
cmyn3*	0.25	0.5	0.25	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.24	18.43	0.56		
LAB*LABa	64.24	18.82	-2.08		
LAB*TCRa	62.5	16.93	353.66		
relative CIELAB lab*					
lab*lab	0.597	0.248	-0.027		
lab*lab	0.625	0.25	0.982		
lab*nch	0.25	0.25	0.982		
relative Natural Colour (NC)					
lab*trj	0.597	0.227	-0.103		
lab*nce	0.625	0.25	0.932		
lab*nce	0.25	0.25	0.727		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	52.42	37.48	-2.31		
LAB*LABa	52.42	37.63	-4.17		
LAB*TCRa	50.0	37.86	353.66		
relative CIELAB lab*					
lab*lab	0.445	0.497	-0.054		
lab*lab	0.445	0.5	0.982		
lab*nch	0.25	0.5	0.982		
relative Natural Colour (NC)					
lab*trj	0.445	0.454	-0.208		
lab*nce	0.5	0.5	0.932		
lab*nce	0.25	0.5	0.727		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.25	(1.0)	
cmyn3*	0.75	1.0	0.75	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	25.54	19.17	-2.04		
LAB*LABa	25.54	18.81	-2.08		
LAB*TCRa	12.5	18.92	353.66		
relative CIELAB lab*					
lab*lab	0.097	0.248	-0.027		
lab*lab	0.125	0.25	0.982		
lab*nch	0.75	0.25	0.982		
relative Natural Colour (NC)					
lab*trj	0.097	0.227	-0.103		
lab*nce	0.125	0.25	0.932		
lab*nce	0.75	0.25	0.727		

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	1.0	(1.0)	
cmyn3*	0.0	0.5	0.0	(0.0)	
olvi4*	1.0	0.5	1.0	1.0	
cmyn4*	0.0	0.5	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	71.77	37.1	-1.01		

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

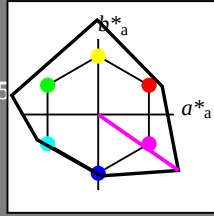
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

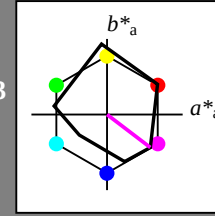
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 323/360 = 0.896 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

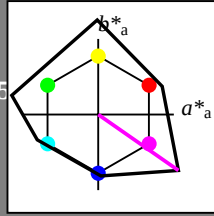
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

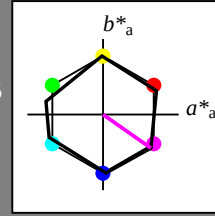
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

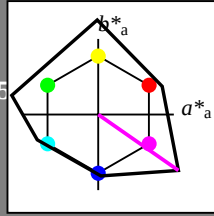
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

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Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

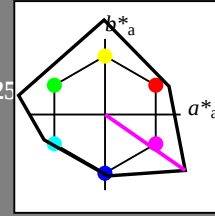
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

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0,00

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% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

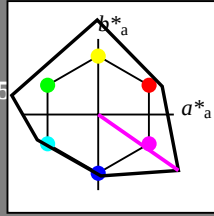
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

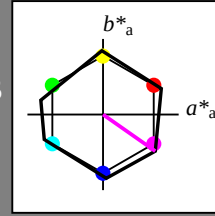
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

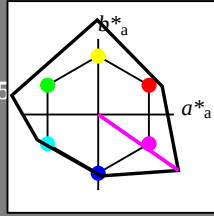
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

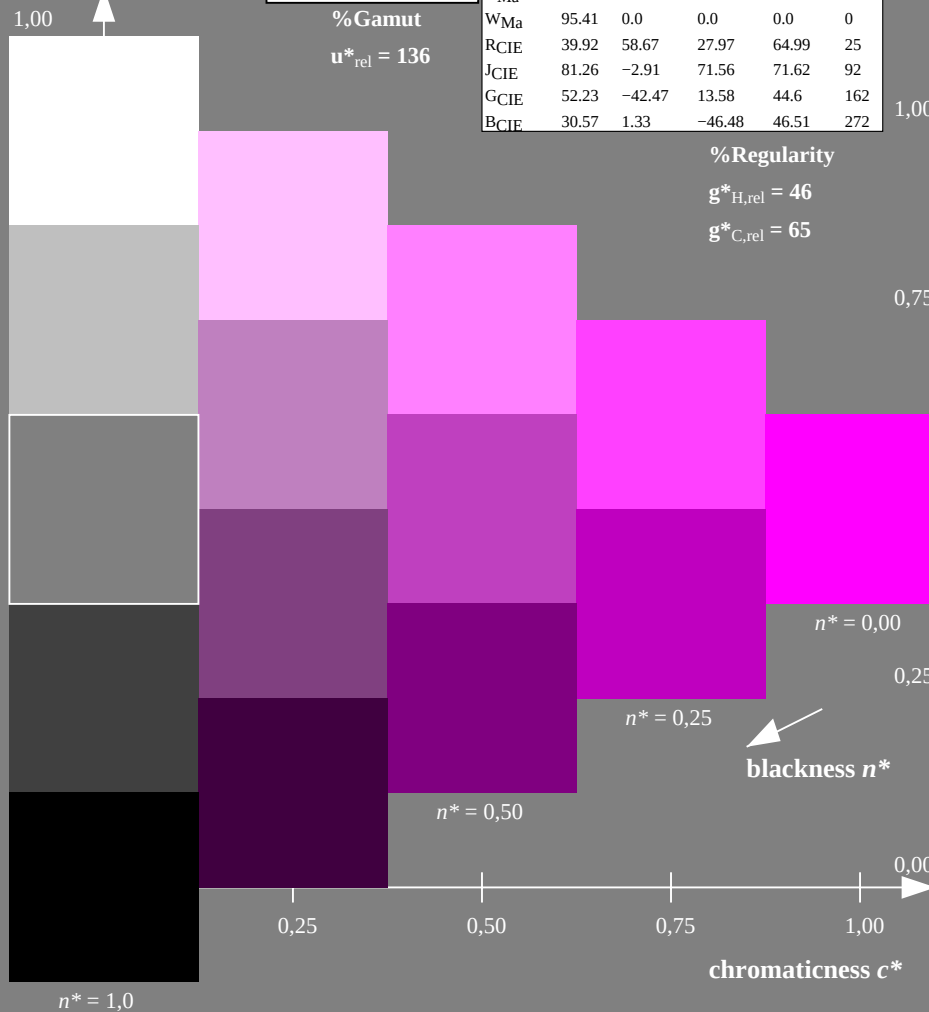
rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

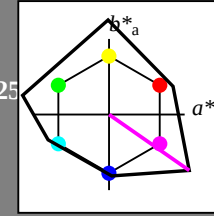
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

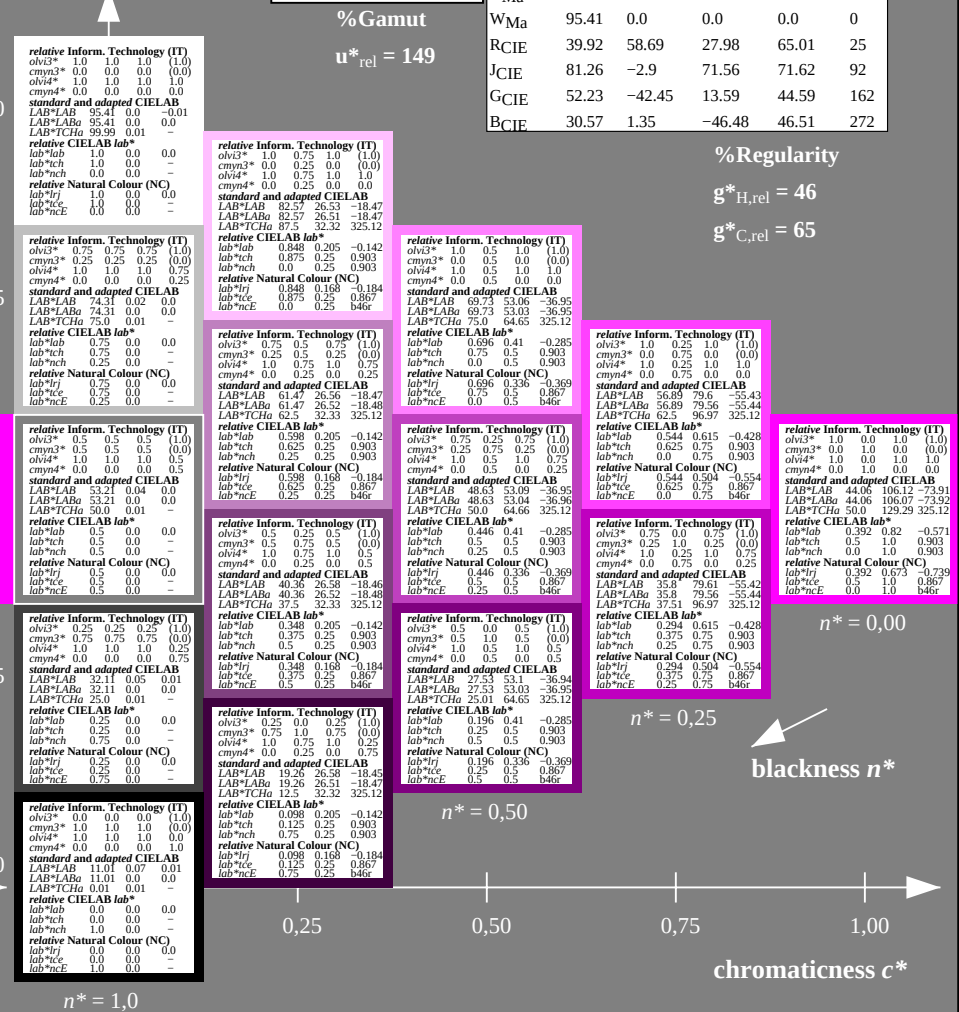
rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$



5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

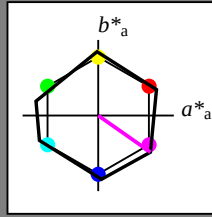
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

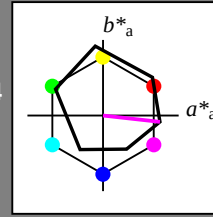
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

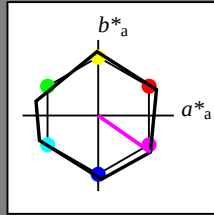
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

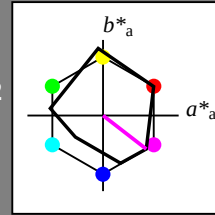
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 322/360 = 0.895 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

lab^*tch and lab^*nch

D65: hue B50R

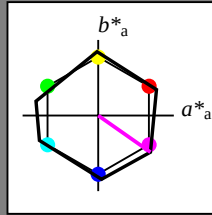
LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

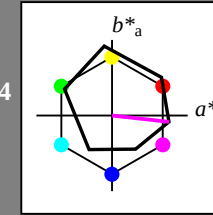
LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	76.06	0.0	0.0		
LAB*LABc	76.06	0.0	0.0		
LAB*LABd	76.06	0.0	0.0		
LAB*LABe	76.06	0.0	0.0		
LAB*LABf	76.06	0.0	0.0		
LAB*LABg	76.06	0.0	0.0		
LAB*LABh	76.06	0.0	0.0		
LAB*LABi	76.06	0.0	0.0		
LAB*LABj	76.06	0.0	0.0		
LAB*LABk	76.06	0.0	0.0		
LAB*LABl	76.06	0.0	0.0		
LAB*LABm	76.06	0.0	0.0		
LAB*LABn	76.06	0.0	0.0		
LAB*LABo	76.06	0.0	0.0		
LAB*LABp	76.06	0.0	0.0		
LAB*LABq	76.06	0.0	0.0		
LAB*LABr	76.06	0.0	0.0		
LAB*LABs	76.06	0.0	0.0		
LAB*LABt	76.06	0.0	0.0		
LAB*LABu	76.06	0.0	0.0		
LAB*LABv	76.06	0.0	0.0		
LAB*LABw	76.06	0.0	0.0		
LAB*LABx	76.06	0.0	0.0		
LAB*LABy	76.06	0.0	0.0		
LAB*LABz	76.06	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.24	0.43	0.56		
LAB*LABa	64.24	0.0	0.0		
LAB*LABb	64.24	0.0	0.0		
LAB*LABc	64.24	0.0	0.0		
LAB*LABd	64.24	0.0	0.0		
LAB*LABe	64.24	0.0	0.0		
LAB*LABf	64.24	0.0	0.0		
LAB*LABg	64.24	0.0	0.0		
LAB*LABh	64.24	0.0	0.0		
LAB*LABi	64.24	0.0	0.0		
LAB*LABj	64.24	0.0	0.0		
LAB*LABk	64.24	0.0	0.0		
LAB*LABl	64.24	0.0	0.0		
LAB*LABm	64.24	0.0	0.0		
LAB*LABn	64.24	0.0	0.0		
LAB*LABo	64.24	0.0	0.0		
LAB*LABp	64.24	0.0	0.0		
LAB*LABq	64.24	0.0	0.0		
LAB*LABr	64.24	0.0	0.0		
LAB*LABs	64.24	0.0	0.0		
LAB*LABt	64.24	0.0	0.0		
LAB*LABu	64.24	0.0	0.0		
LAB*LABv	64.24	0.0	0.0		
LAB*LABw	64.24	0.0	0.0		
LAB*LABx	64.24	0.0	0.0		
LAB*LABy	64.24	0.0	0.0		
LAB*LABz	64.24	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	56.71	0.0	0.0		
LAB*LABc	56.71	0.0	0.0		
LAB*LABd	56.71	0.0	0.0		
LAB*LABe	56.71	0.0	0.0		
LAB*LABf	56.71	0.0	0.0		
LAB*LABg	56.71	0.0	0.0		
LAB*LABh	56.71	0.0	0.0		
LAB*LABi	56.71	0.0	0.0		
LAB*LABj	56.71	0.0	0.0		
LAB*LABk	56.71	0.0	0.0		
LAB*LABl	56.71	0.0	0.0		
LAB*LABm	56.71	0.0	0.0		
LAB*LABn	56.71	0.0	0.0		
LAB*LABo	56.71	0.0	0.0		
LAB*LABp	56.71	0.0	0.0		
LAB*LABq	56.71	0.0	0.0		
LAB*LABr	56.71	0.0	0.0		
LAB*LABs	56.71	0.0	0.0		
LAB*LABt	56.71	0.0	0.0		
LAB*LABu	56.71	0.0	0.0		
LAB*LABv	56.71	0.0	0.0		
LAB*LABw	56.71	0.0	0.0		
LAB*LABx	56.71	0.0	0.0		
LAB*LABy	56.71	0.0	0.0		
LAB*LABz	56.71	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.89	0.8	-0.73		
LAB*LABa	44.89	0.0	0.0		
LAB*LABb	44.89	0.0	0.0		
LAB*LABc	44.89	0.0	0.0		
LAB*LABd	44.89	0.0	0.0		
LAB*LABe	44.89	0.0	0.0		
LAB*LABf	44.89	0.0	0.0		
LAB*LABg	44.89	0.0	0.0		
LAB*LABh	44.89	0.0	0.0		
LAB*LABi	44.89	0.0	0.0		
LAB*LABj	44.89	0.0	0.0		
LAB*LABk	44.89	0.0	0.0		
LAB*LABl	44.89	0.0	0.0		
LAB*LABm	44.89	0.0	0.0		
LAB*LABn	44.89	0.0	0.0		
LAB*LABo	44.89	0.0	0.0		
LAB*LABp	44.89	0.0	0.0		
LAB*LABq	44.89	0.0	0.0		
LAB*LABr	44.89	0.0	0.0		
LAB*LABs	44.89	0.0	0.0		
LAB*LABt	44.89	0.0	0.0		
LAB*LABu	44.89	0.0	0.0		
LAB*LABv	44.89	0.0	0.0		
LAB*LABw	44.89	0.0	0.0		
LAB*LABx	44.89	0.0	0.0		
LAB*LABy	44.89	0.0	0.0		
LAB*LABz	44.89	0.0	0.0		

lab*lrj	0.5	0.0	0.0
lab*lce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

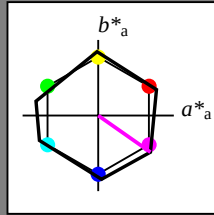
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

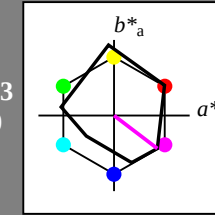
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 323/360 = 0.896 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

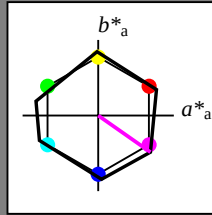
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

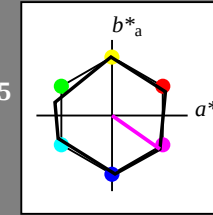
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

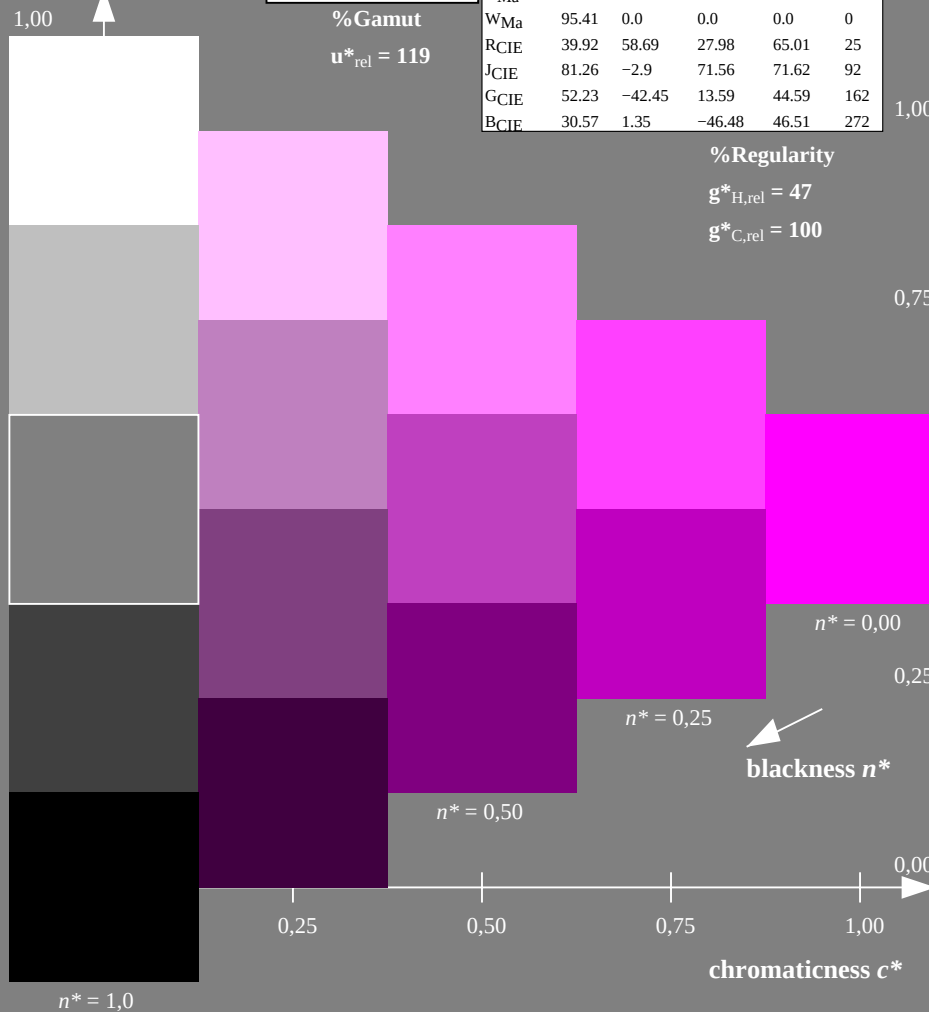
$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

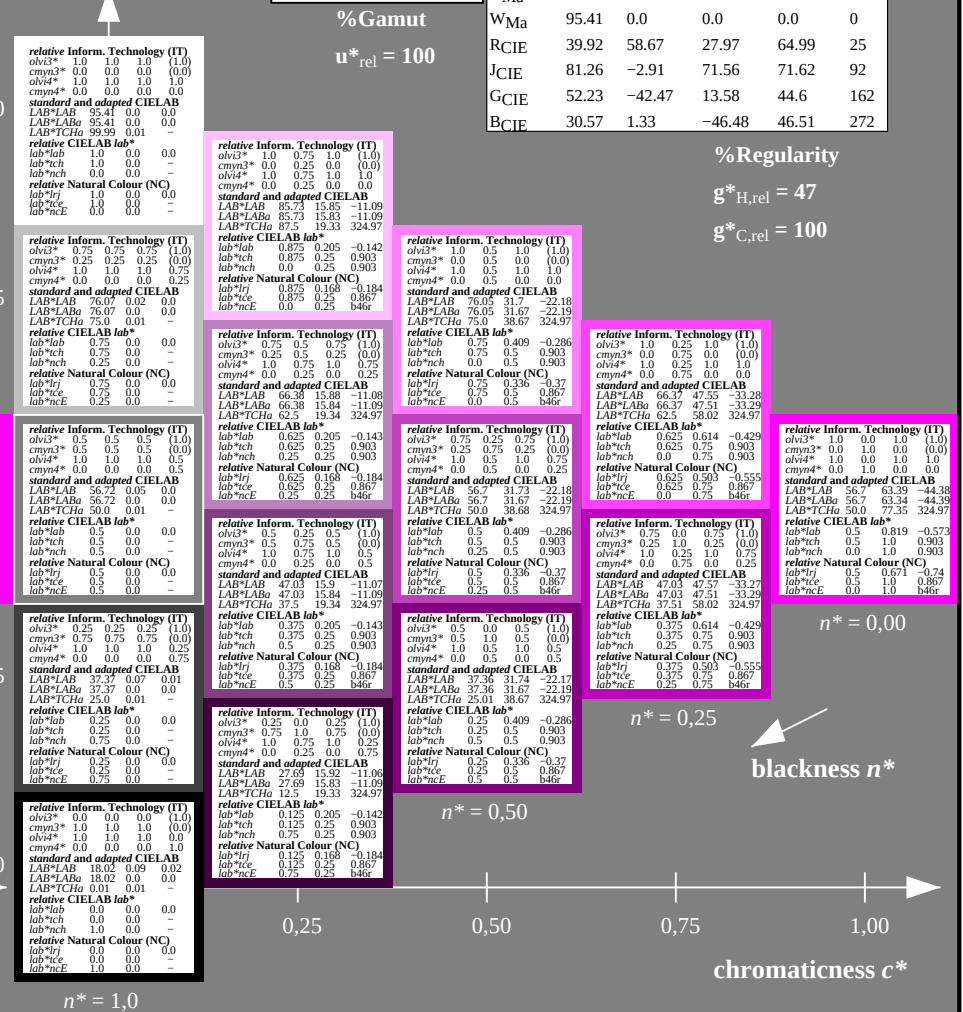
% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)



5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

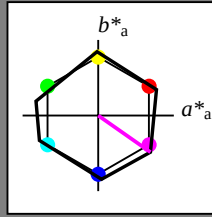
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

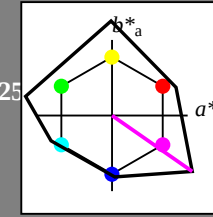
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.01	0.01		
LAB*LABa	37.37	0.01	0.01		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 0,50$

chromaticness c^*

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

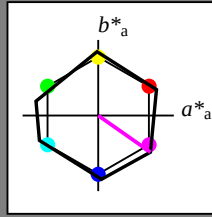
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

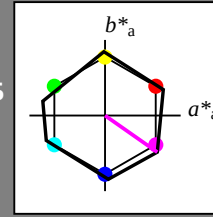
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

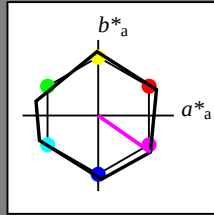
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

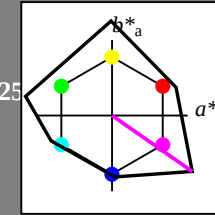
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	74.31	0.0	0.0		
LAB*LABc	74.31	0.0	0.0		
LAB*LABd	74.31	0.0	0.0		
LAB*LABe	74.31	0.0	0.0		
LAB*LABf	74.31	0.0	0.0		
LAB*LABg	74.31	0.0	0.0		
LAB*LABh	74.31	0.0	0.0		
LAB*LABi	74.31	0.0	0.0		
LAB*LABj	74.31	0.0	0.0		
LAB*LABk	74.31	0.0	0.0		
LAB*LABl	74.31	0.0	0.0		
LAB*LABm	74.31	0.0	0.0		
LAB*LABn	74.31	0.0	0.0		
LAB*LABo	74.31	0.0	0.0		
LAB*LABp	74.31	0.0	0.0		
LAB*LABq	74.31	0.0	0.0		
LAB*LABr	74.31	0.0	0.0		
LAB*LABs	74.31	0.0	0.0		
LAB*LABt	74.31	0.0	0.0		
LAB*LABu	74.31	0.0	0.0		
LAB*LABv	74.31	0.0	0.0		
LAB*LABw	74.31	0.0	0.0		
LAB*LABx	74.31	0.0	0.0		
LAB*LABy	74.31	0.0	0.0		
LAB*LABz	74.31	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	53.21	0.0	0.0		
LAB*LABc	53.21	0.0	0.0		
LAB*LABd	53.21	0.0	0.0		
LAB*LABe	53.21	0.0	0.0		
LAB*LABf	53.21	0.0	0.0		
LAB*LABg	53.21	0.0	0.0		
LAB*LABh	53.21	0.0	0.0		
LAB*LABi	53.21	0.0	0.0		
LAB*LABj	53.21	0.0	0.0		
LAB*LABk	53.21	0.0	0.0		
LAB*LABl	53.21	0.0	0.0		
LAB*LABm	53.21	0.0	0.0		
LAB*LABn	53.21	0.0	0.0		
LAB*LABo	53.21	0.0	0.0		
LAB*LABp	53.21	0.0	0.0		
LAB*LABq	53.21	0.0	0.0		
LAB*LABr	53.21	0.0	0.0		
LAB*LABs	53.21	0.0	0.0		
LAB*LABt	53.21	0.0	0.0		
LAB*LABu	53.21	0.0	0.0		
LAB*LABv	53.21	0.0	0.0		
LAB*LABw	53.21	0.0	0.0		
LAB*LABx	53.21	0.0	0.0		
LAB*LABy	53.21	0.0	0.0		
LAB*LABz	53.21	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	32.11	0.0	0.0		
LAB*LABc	32.11	0.0	0.0		
LAB*LABd	32.11	0.0	0.0		
LAB*LABe	32.11	0.0	0.0		
LAB*LABf	32.11	0.0	0.0		
LAB*LABg	32.11	0.0	0.0		
LAB*LABh	32.11	0.0	0.0		
LAB*LABi	32.11	0.0	0.0		
LAB*LABj	32.11	0.0	0.0		
LAB*LABk	32.11	0.0	0.0		
LAB*LABl	32.11	0.0	0.0		
LAB*LABm	32.11	0.0	0.0		
LAB*LABn	32.11	0.0	0.0		
LAB*LABo	32.11	0.0	0.0		
LAB*LABp	32.11	0.0	0.0		
LAB*LABq	32.11	0.0	0.0		
LAB*LABr	32.11	0.0	0.0		
LAB*LABs	32.11	0.0	0.0		
LAB*LABt	32.11	0.0	0.0		
LAB*LABu	32.11	0.0	0.0		
LAB*LABv	32.11	0.0	0.0		
LAB*LABw	32.11	0.0	0.0		
LAB*LABx	32.11	0.0	0.0		
LAB*LABy	32.11	0.0	0.0		
LAB*LABz	32.11	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	11.01	0.0	0.0		
LAB*LABc	11.01	0.0	0.0		
LAB*LABd	11.01	0.0	0.0		
LAB*LABe	11.01	0.0	0.0		
LAB*LABf	11.01	0.0	0.0		
LAB*LABg	11.01	0.0	0.0		
LAB*LABh	11.01	0.0	0.0		
LAB*LABi	11.01	0.0	0.0		
LAB*LABj	11.01	0.0	0.0		
LAB*LABk	11.01	0.0	0.0		
LAB*LABl	11.01	0.0	0.0		
LAB*LABm	11.01	0.0	0.0		
LAB*LABn	11.01	0.0	0.0		
LAB*LABo	11.01	0.0	0.0		
LAB*LABp	11.01	0.0	0.0		
LAB*LABq	11.01	0.0	0.0		
LAB*LABr	11.01	0.0	0.0		
LAB*LABs	11.01	0.0	0.0		
LAB*LABt	11.01	0.0	0.0		
LAB*LABu	11.01	0.0	0.0		
LAB*LABv	11.01	0.0	0.0		
LAB*LABw	11.01	0.0	0.0		
LAB*LABx	11.01	0.0	0.0		
LAB*LABy	11.01	0.0	0.0		
LAB*LABz	11.01	0.0	0.0		

<i>lab*ncE</i>	1.0	0.0	-
$n^* = 1,0$			
5 step scales f			

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

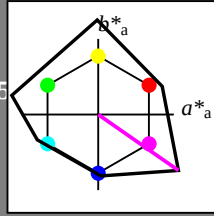
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

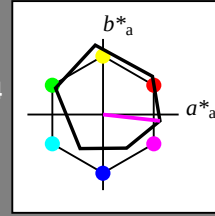
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

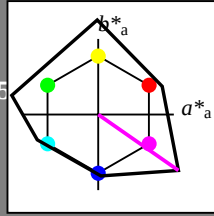
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

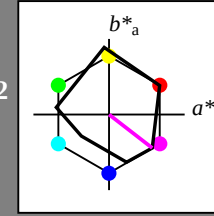
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	1.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.75	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.75
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.0	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.5	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.5	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.5
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.0	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.25
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
LAB*LABd	0.0	0.0	0.0	0.0	0.0
LAB*LABe	0.0	0.0	0.0	0.0	0.0
LAB*LABf	0.0	0.0	0.0	0.0	0.0
LAB*LABg	0.0	0.0	0.0	0.0	0.0
LAB*LABh	0.0	0.0	0.0	0.0	0.0
LAB*LABi	0.0	0.0	0.0	0.0	0.0
LAB*LABj	0.0	0.0	0.0	0.0	0.0
LAB*LABk	0.0	0.0	0.0	0.0	0.0
LAB*LABl	0.0	0.0	0.0	0.0	0.0
LAB*LABm	0.0	0.0	0.0	0.0	0.0
LAB*LABn	0.0	0.0	0.0	0.0	0.0
LAB*LABo	0.0	0.0	0.0	0.0	0.0
LAB*LABp	0.0	0.0	0.0	0.0	0.0
LAB*LABq	0.0	0.0	0.0	0.0	0.0
LAB*LABr	0.0	0.0	0.0	0.0	0.0
LAB*LABs	0.0	0.0	0.0	0.0	0.0
LAB*LABt	0.0	0.0	0.0	0.0	0.0
LAB*LABu	0.0	0.0	0.0	0.0	0.0
LAB*LABv	0.0	0.0	0.0	0.0	0.0
LAB*LABw	0.0	0.0	0.0	0.0	0.0
LAB*LABx	0.0	0.0	0.0	0.0	0.0
LAB*LABy	0.0	0.0	0.0	0.0	0.0
LAB*LABz	0.0	0.0	0.0	0.0	0.

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

lab^*tch and lab^*nch

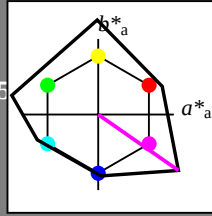
D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	0.0	0.0	(0.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	-0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

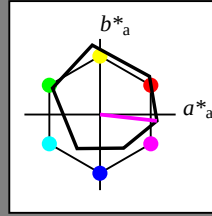
D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	1.0	(1.0)	
cmyn3*	0.0	0.25	0.0	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.59	18.06	1.87		
LAB*LABa	83.59	18.81	-2.08		
LAB*TC _{Ma}	87.5	16.92	353.66		
relative CIELAB lab*					
lab*lab	0.847	0.248	-0.027		
lab*ch	0.875	0.25	0.982		
lab*nch	0.0	0.25	0.0		
relative Natural Colour (NC)					
lab*trj	0.847	0.227	-0.103		
lab*nce	0.875	0.25	0.932		
lab*nce	0.0	0.25	0.727		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.75	(1.0)	
cmyn3*	0.25	0.5	0.25	(0.0)	
olvi4*	1.0	0.5	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.24	18.43	0.56		
LAB*LABa	64.24	18.82	-2.08		
LAB*TC _{Ma}	62.5	18.93	353.66		
relative CIELAB lab*					
lab*lab	0.597	0.248	-0.027		
lab*ch	0.625	0.25	0.982		
lab*nch	0.25	0.25	0.982		
relative Natural Colour (NC)					
lab*trj	0.597	0.227	-0.103		
lab*nce	0.625	0.25	0.932		
lab*nce	0.25	0.25	0.727		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	1.0	0.25	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	52.42	37.48	-2.31		
LAB*LABa	52.42	37.63	-4.17		
LAB*TC _{Ma}	50.0	37.86	353.66		
relative CIELAB lab*					
lab*lab	0.445	0.497	-0.054		
lab*ch	0.445	0.5	0.982		
lab*nch	0.25	0.5	0.982		
relative Natural Colour (NC)					
lab*trj	0.445	0.454	-0.208		
lab*nce	0.445	0.5	0.932		
lab*nce	0.25	0.5	0.727		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.25	(1.0)	
cmyn3*	0.75	1.0	0.75	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	25.54	19.17	-2.04		
LAB*LABa	25.54	18.81	-2.08		
LAB*TC _{Ma}	12.5	18.92	353.66		
relative CIELAB lab*					
lab*lab	0.097	0.248	-0.027		
lab*ch	0.125	0.25	0.982		
lab*nch	0.75	0.25	0.982		
relative Natural Colour (NC)					
lab*trj	0.097	0.227	-0.103		
lab*nce	0.125	0.25	0.932		
lab*nce	0.75	0.25	0.727		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

n. Technology (IT)				
0.5	1.0	(1.0)		
0.5	0.0	(0.0)		
0.5	1.0	1.0		
0.5	0.0	0.0		
adapted CIELAB				
1.77	37.1	-1.01		
1.77	37.63	-4.17		
5.0	37.86	353.66		
LAB				
695	0.497	-0.054		
75	0.5	0.982		
0	0.5	0.982		
Colour (NC)				
695	0.454	-0.208		
75	0.5	0.952		
0	0.5	0.972		
relative Inform.				
olvi3*	1.0			
cmyn3*	0.0			
olvi4*	1.0			
cmyn4*	0.0			
standard and d				
LAB*LAB	59			
LAB*LAB	59			

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

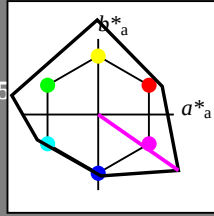
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

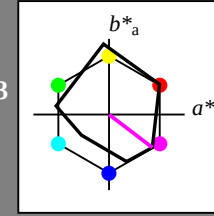
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 323/360 = 0.896 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

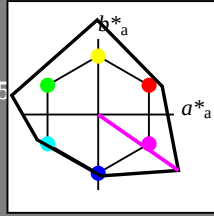
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 325/360 = 0.903$

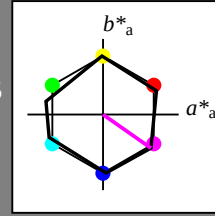
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

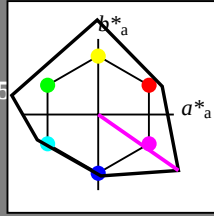
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 325/360 = 0.903$

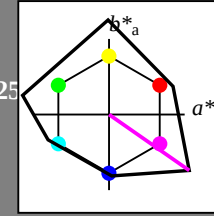
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.22 26.56 -18.47
LAB*LABa 63.22 26.52 -18.48
LAB*TCRa 62.5 32.33 325.12

relative CIELAB lab*

lab*lab 0.584 0.205 -0.142
lab*tch 0.625 0.25 0.903
lab*nch 0.25 0.25 0.903
cmyn4* 0.0 0.25 0.0 0.5
standard and adapted CIELAB
LAB*LAB 63.22 26.56 -18.47
LAB*LABa 63.22 26.52 -18.48
LAB*TCRa 62.5 32.33 325.12

relative Natural Colour (NC)

lab*trj 0.584 0.168 -0.184
lab*tce 0.625 0.25 0.867
lab*nce 0.25 0.25 0.867

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 0.5
standard and adapted CIELAB
LAB*LAB 43.87 26.52 -18.48
LAB*LABa 43.87 26.52 -18.48
LAB*TCRa 37.5 32.33 325.12

relative CIELAB lab*

lab*lab 0.334 0.205 -0.142
lab*tch 0.375 0.25 0.903
lab*nch 0.5 0.25 0.903
cmyn4* 0.0 0.25 0.0 0.5
standard and adapted CIELAB
LAB*LAB 43.87 26.52 -18.48
LAB*LABa 43.87 26.52 -18.48
LAB*TCRa 37.5 32.33 325.12

relative Natural Colour (NC)

lab*trj 0.334 0.168 -0.184
lab*tce 0.375 0.25 0.867
lab*nce 0.5 0.25 0.867

relative Inform. Technology (IT)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.03 -36.96
LAB*TCRa 75.0 64.64 325.12

relative CIELAB lab*

lab*lab 0.668 0.41 -0.285
lab*tch 0.75 0.5 0.903
lab*nch 0.0 0.5 0.903
cmyn4* 0.0 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.03 -36.96
LAB*TCRa 75.0 64.64 325.12

relative Natural Colour (NC)

lab*trj 0.668 0.396 -0.369
lab*tce 0.75 0.5 0.867
lab*nce 0.0 0.5 0.867

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 50.38 53.1 -36.95
LAB*LABa 50.38 53.04 -36.97
LAB*TCRa 50.0 64.65 325.12

relative CIELAB lab*

lab*lab 0.418 0.41 -0.285
lab*tch 0.418 0.41 -0.285
lab*nch 0.5 0.5 0.903
cmyn4* 0.0 0.5 0.0 0.5
standard and adapted CIELAB
LAB*LAB 50.38 53.1 -36.95
LAB*LABa 50.38 53.04 -36.97
LAB*TCRa 50.0 64.65 325.12

relative Natural Colour (NC)

lab*trj 0.418 0.396 -0.369
lab*tce 0.5 0.5 0.867
lab*nce 0.25 0.5 0.867

relative Inform. Technology (IT)

relative Inform. Technology (IT)

olvi3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.75 0.0 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.89 79.6 -55.43
LAB*LABa 56.89 79.54 -55.45
LAB*TCRa 62.5 96.97 325.12

relative CIELAB lab*

lab*lab 0.502 0.615 -0.428
lab*tch 0.625 0.75 0.903
lab*nch 0.0 0.75 0.903
cmyn4* 0.0 0.75 0.0 0.0
standard and adapted CIELAB
LAB*LAB 56.89 79.6 -55.43
LAB*LABa 56.89 79.54 -55.45
LAB*TCRa 62.5 96.97 325.12

relative Natural Colour (NC)

lab*trj 0.502 0.594 -0.554
lab*tce 0.625 0.75 0.867
lab*nce 0.0 0.75 0.867

relative Inform. Technology (IT)

olvi3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 1.0 0.25 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.75 0.0 0.25
standard and adapted CIELAB
LAB*LAB 37.55 79.62 -55.42
LAB*LABa 37.55 79.54 -55.45
LAB*TCRa 37.51 96.97 325.12

relative CIELAB lab*

lab*lab 0.252 0.615 -0.428
lab*tch 0.375 0.75 0.903
lab*nch 0.25 0.75 0.903
cmyn4* 0.0 0.75 0.0 0.25
standard and adapted CIELAB
LAB*LAB 37.55 79.62 -55.42
LAB*LABa 37.55 79.54 -55.45
LAB*TCRa 37.51 96.97 325.12

relative Natural Colour (NC)

lab*trj 0.252 0.594 -0.554
lab*tce 0.375 0.75 0.867
lab*nce 0.25 0.75 0.867

relative Inform. Technology (IT)

relative Inform. Technology (IT)

olvi3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 1.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.06 106.12 -73.91
LAB*LABa 44.06 106.05 -73.93
LAB*TCRa 50.0 129.28 325.12

relative CIELAB lab*

lab*lab 0.337 0.82 -0.571
lab*tch 0.5 1.0 0.903
lab*nch 0.0 1.0 0.903
cmyn4* 0.0 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 44.06 106.12 -73.91
LAB*LABa 44.06 106.05 -73.93
LAB*TCRa 50.0 129.28 325.12

relative Natural Colour (NC)

lab*trj 0.337 0.673 -0.738
lab*tce 0.5 1.0 0.867
lab*nce 0.0 1.0 0.867

relative Inform. Technology (IT)

olvi3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 1.0 0.25 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.75 0.0 0.25
standard and adapted CIELAB
LAB*LAB 37.55 79.62 -55.42
LAB*LABa 37.55 79.54 -55.45
LAB*TCRa 37.51 96.97 325.12

relative CIELAB lab*

lab*lab 0.252 0.615 -0.428
lab*tch 0.375 0.75 0.903
lab*nch 0.25 0.75 0.903
cmyn4* 0.0 0.75 0.0 0.25
standard and adapted CIELAB
LAB*LAB 37.55 79.62 -55.42
LAB*LABa 37.55 79.54 -55.45
LAB*TCRa 37.51 96.97 325.12

relative Natural Colour (NC)

lab*trj 0.252 0.594 -0.554
lab*tce 0.375 0.75 0.867
lab*nce 0.25 0.75 0.867

relative Inform. Technology (IT)

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

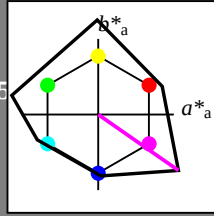
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 325/360 = 0.903$

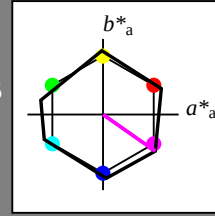
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

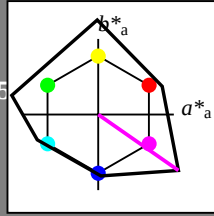
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

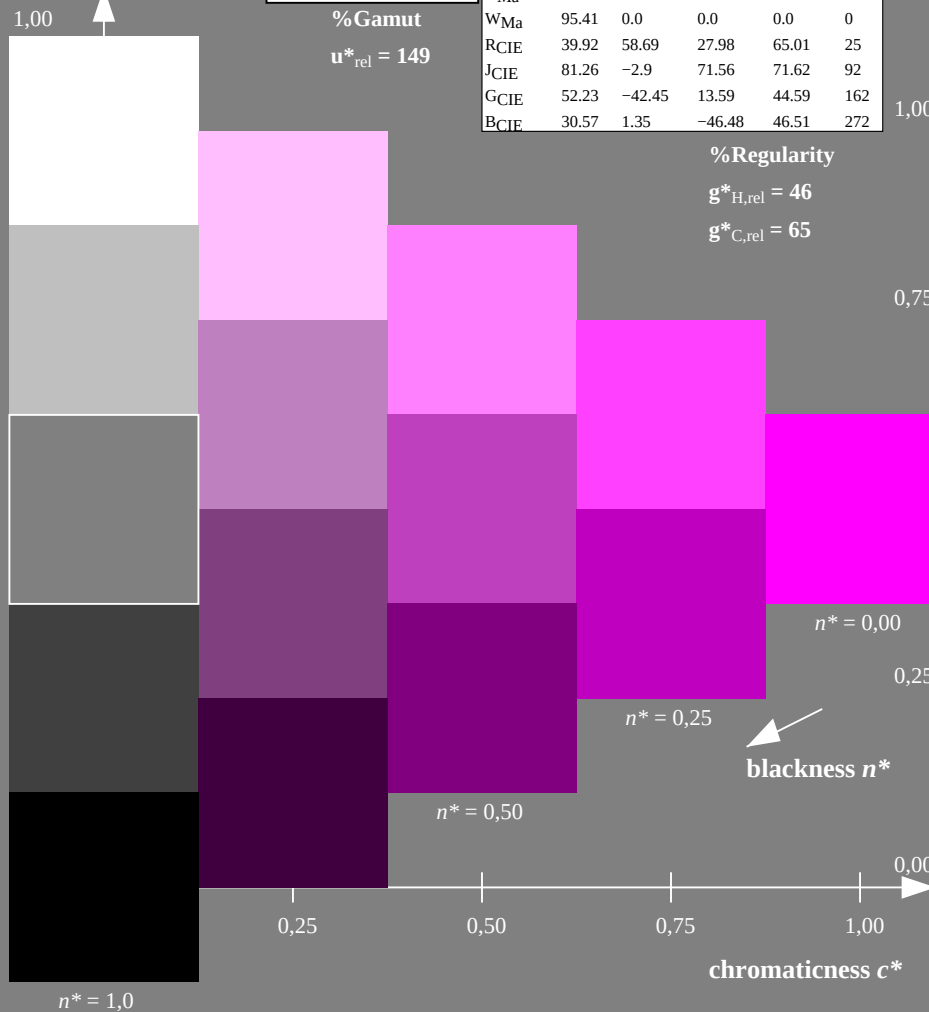
rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

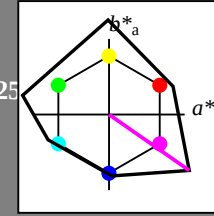
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

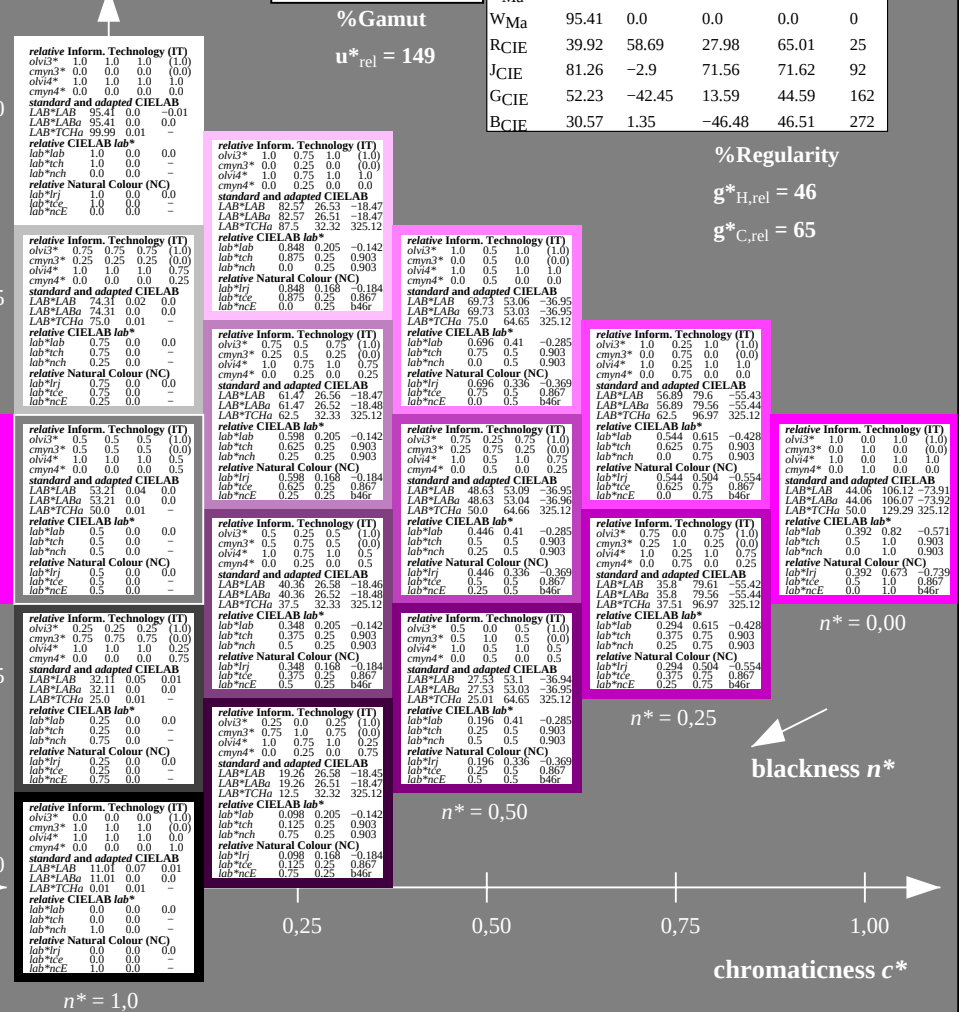
rgb*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 149$



5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

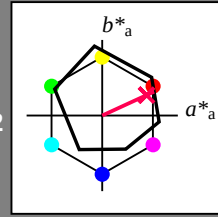
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

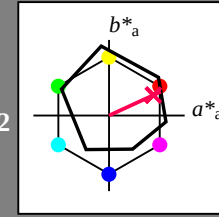
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

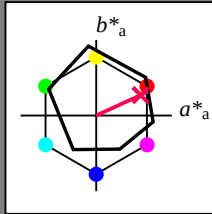
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

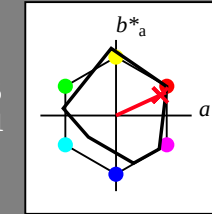
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

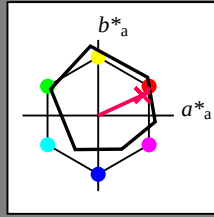
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

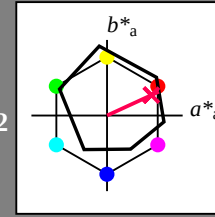
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

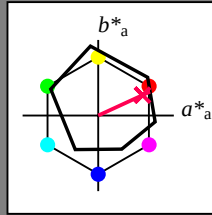
LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

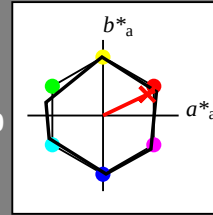
LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

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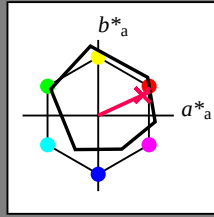
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ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

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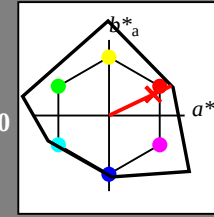
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NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

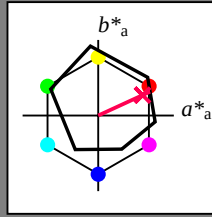
LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

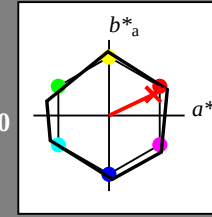
LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TCRa	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	1.0	0.757	0.75	(1.0)	
cmyn3*	0.0	0.243	0.25	(0.0)	
olvi4*	1.0	0.757	0.75	(1.0)	
cmyn4*	0.0	0.243	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.85	18.73	8.92		
LAB*LABa	84.85	18.73	8.92		
LAB*TCRa	87.5	20.74	25.49		
relative CIELAB lab*					
lab*lab	0.875	0.226	0.108		
lab*lab	0.875	0.226	0.108		
lab*nch	0.0	0.25	0.071		
relative Natural Colour (NC)					
lab*lab	0.875	0.226	0.108		
lab*lab	0.875	0.226	0.108		
lab*nch	0.0	0.25	0.071		

relative Inform. Technology (IT)					
olvi3*	1.0	0.514	0.5	(1.0)	
cmyn3*	0.0	0.486	0.5	(0.0)	
olvi4*	1.0	0.514	0.5	(1.0)	
cmyn4*	0.0	0.486	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.3	37.46	17.85		
LAB*LABa	74.3	37.44	17.85		
LAB*TCRa	75.0	41.47	25.49		
relative CIELAB lab*					
lab*lab	0.75	0.451	0.215		
lab*lab	0.75	0.451	0.215		
lab*nch	0.0	0.5	0.071		
relative Natural Colour (NC)					
lab*lab	0.75	0.451	0.215		
lab*lab	0.75	0.451	0.215		
lab*nch	0.0	0.5	0.071		

relative Inform. Technology (IT)					
olvi3*	1.0	0.271	0.25	(1.0)	
cmyn3*	0.0	0.729	0.75	(0.0)	
olvi4*	1.0	0.271	0.25	(1.0)	
cmyn4*	0.0	0.729	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.75	56.22	26.78		
LAB*LABa	63.75	56.16	26.77		
LAB*TCRa	62.5	62.22	25.49		
relative CIELAB lab*					
lab*lab	0.625	0.677	0.323		
lab*lab	0.625	0.677	0.323		
lab*nch	0.0	0.75	0.071		
relative Natural Colour (NC)					
lab*lab	0.625	0.677	0.323		
lab*lab	0.625	0.677	0.323		
lab*nch	0.0	0.75	0.071		

relative Inform. Technology (IT)					
olvi3*	1.0	0.028	0.0	(1.0)	
cmyn3*	0.0	0.972	1.0	(0.0)	
olvi4*	1.0	0.028	0.0	(1.0)	
cmyn4*	0.0	0.972	1.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.2	74.93	35.7		
LAB*LABa	53.2	74.88	35.69		
LAB*TCRa	50.0	82.95	25.48		
relative CIELAB lab*					
lab*lab	0.5	0.903	0.43		
lab*lab	0.5	0.903	0.43		
lab*nch	0.0	1.0	0.071		
relative Natural Colour (NC)					
lab*lab	0.5	0.903	0.43		
lab*lab	0.5	0.903	0.43		
lab*nch	0.0	1.0	0.071		

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

↑

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 93$

%Regularity

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

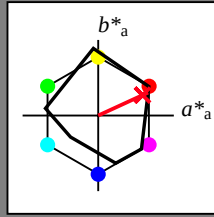
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

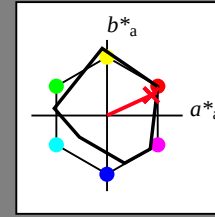
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

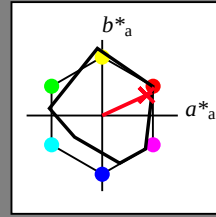
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

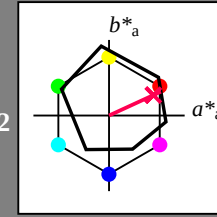
0,25

0,50

0,75

1,00

chromaticness c^*



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

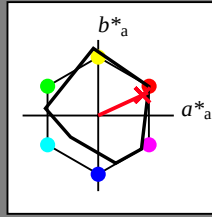
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

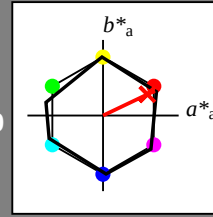
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

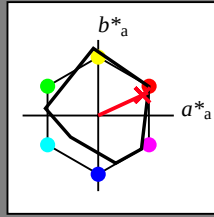
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

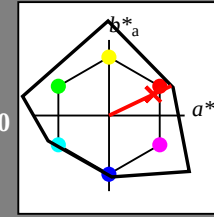
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NCS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

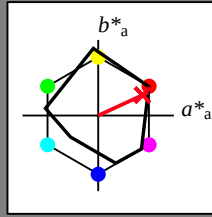
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

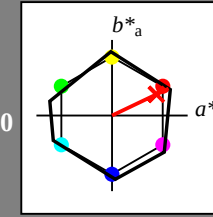
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

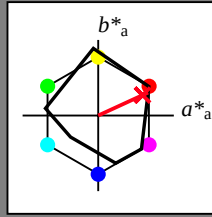
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

0,00

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

0,00

0,00

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

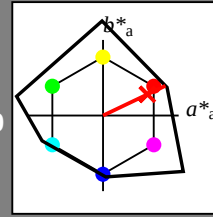
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 -0.01

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.0 0.0

LAB*LABa 74.31 0.0 0.0

LAB*LABb 74.31 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 -0.01

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.0 0.0

LAB*LABa 74.31 0.0 0.0

LAB*LABb 74.31 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 -0.01

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.0 0.0

LAB*LABa 74.31 0.0 0.0

LAB*LABb 74.31 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

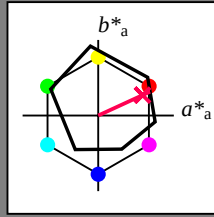
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

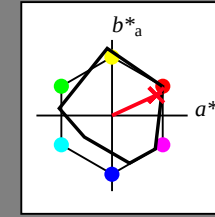
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

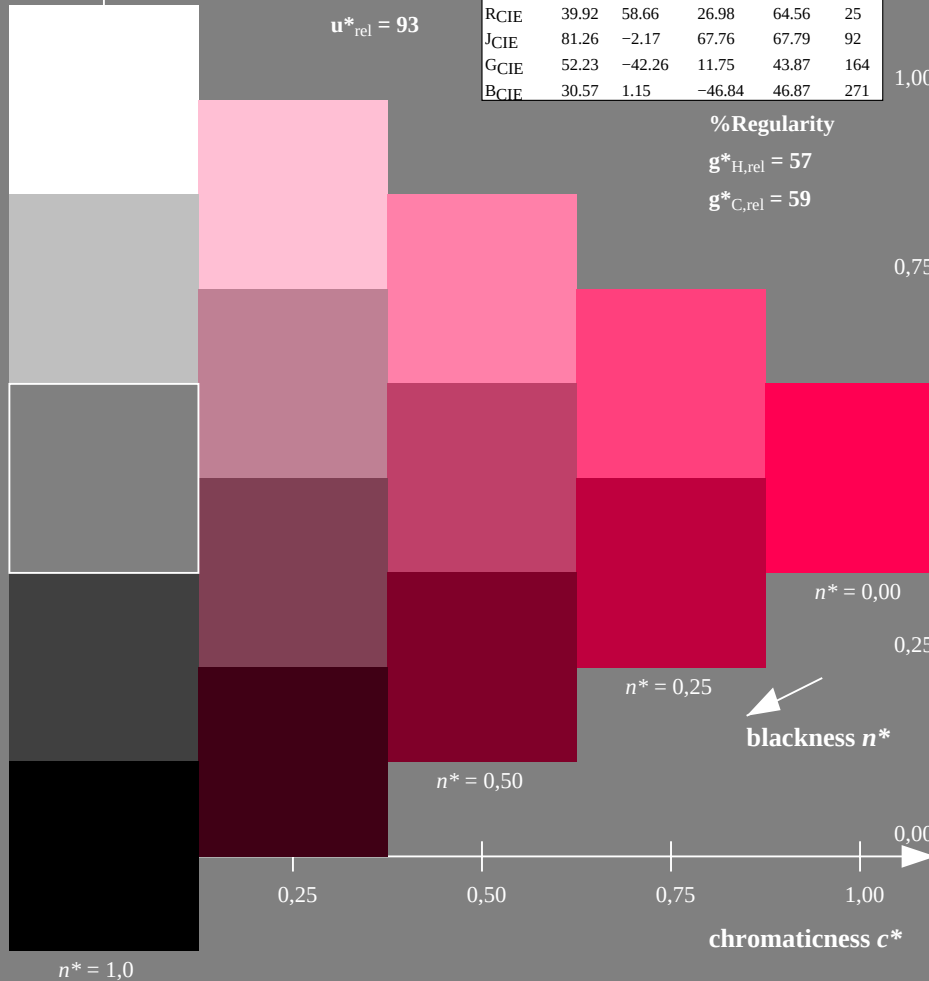
D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00



TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

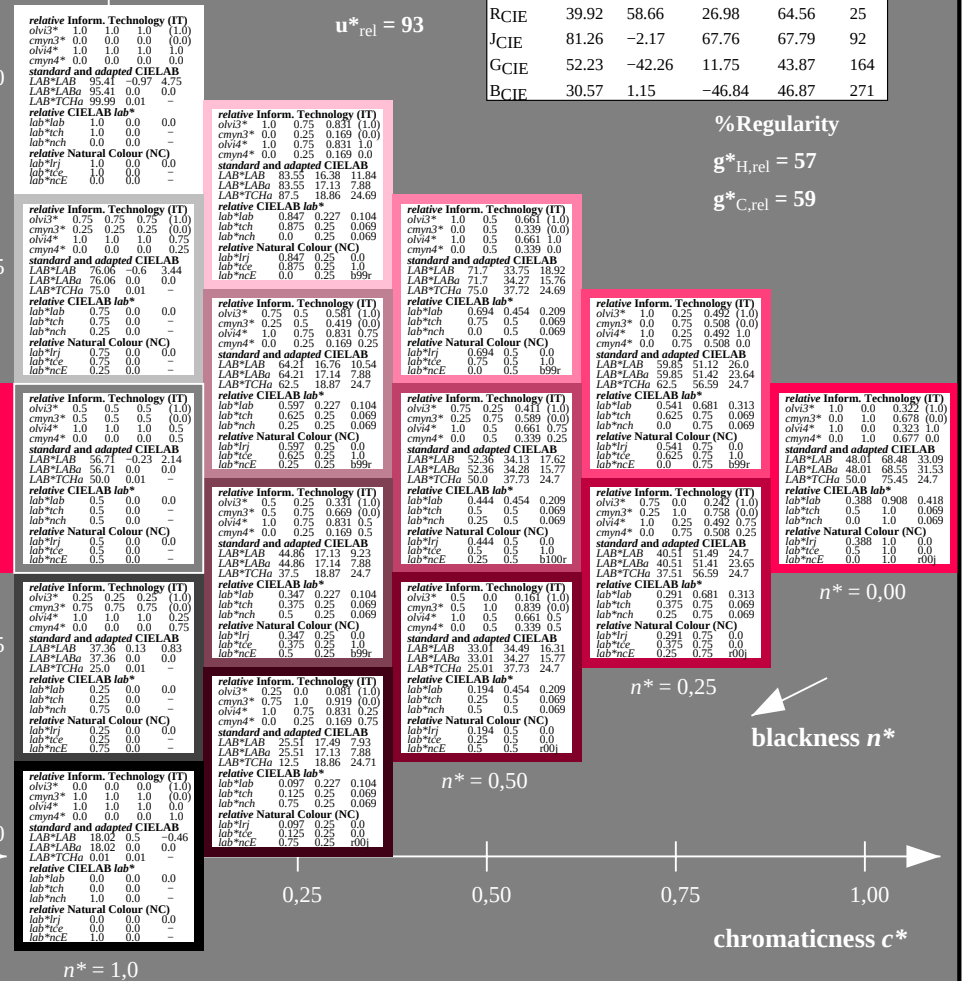
D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00



5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

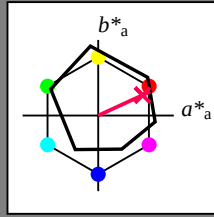
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

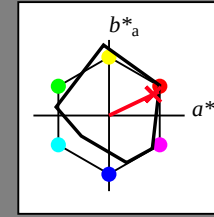
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

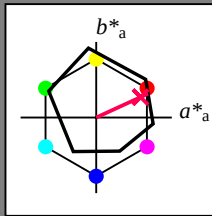
$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271



% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

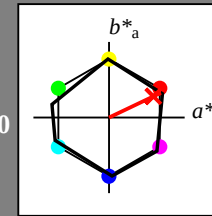
$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$



% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

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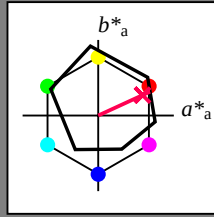
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

↑

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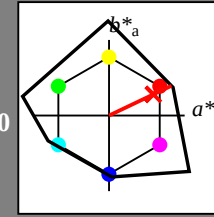
↑

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% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

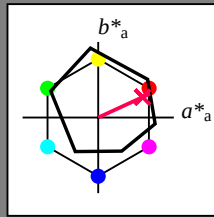
D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TCRa	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

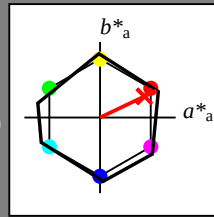
D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
CMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	0.757	0.75	(1.0)	
cmyn3*	0.0	0.243	0.25	(0.0)	
olvi4*	1.0	0.757	0.75	(1.0)	
cmyn4*	0.0	0.243	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.85	18.73	8.92		
LAB*LABa	84.85	18.72	8.92		
LAB*TCRa	87.5	20.73	25.49		
relative CIELAB lab*					
lab*lab	0.875	0.226	0.108		
lab*ch	0.875	0.25	0.071		
lab*nch	0.0	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.875	0.25	0.0		
lab*nce	0.0	0.25	0.071		

relative Inform. Technology (IT)					
olvi3*	0.75	0.507	0.5	(1.0)	
cmyn3*	0.25	0.493	0.5	(0.0)	
olvi4*	1.0	0.514	0.5	(1.0)	
cmyn4*	0.0	0.243	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.75	18.76	8.93		
LAB*LABa	63.75	18.72	8.93		
LAB*TCRa	62.5	20.74	25.49		
relative CIELAB lab*					
lab*lab	0.625	0.226	0.108		
lab*ch	0.625	0.25	0.071		
lab*nch	0.25	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.625	0.25	0.0		
lab*nce	0.25	0.25	0.071		

relative Inform. Technology (IT)					
olvi3*	0.5	0.257	0.25	(1.0)	
cmyn3*	0.5	0.243	0.5	(0.0)	
olvi4*	1.0	0.514	0.5	(1.0)	
cmyn4*	0.0	0.243	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.2	17.48	17.86		
LAB*LABa	53.2	17.45	17.85		
LAB*TCRa	50.0	41.48	25.49		
relative CIELAB lab*					
lab*lab	0.5	0.451	0.215		
lab*ch	0.5	0.5	0.071		
lab*nch	0.25	0.5	0.071		
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.0		
lab*nce	0.25	0.5	0.071		

relative Inform. Technology (IT)					
olvi3*	0.25	0.007	0.0	(1.0)	
cmyn3*	0.75	0.993	1.0	(0.0)	
olvi4*	1.0	0.514	0.5	(1.0)	
cmyn4*	0.0	0.243	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	21.55	18.79	8.94		
LAB*LABa	21.55	18.72	8.92		
LAB*TCRa	12.5	20.74	25.47		
relative CIELAB lab*					
lab*lab	0.125	0.226	0.107		
lab*ch	0.125	0.25	0.071		
lab*nch	0.75	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.125	0.25	0.0		
lab*nce	0.125	0.25	0.071		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

relative Inform. Technology (IT

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

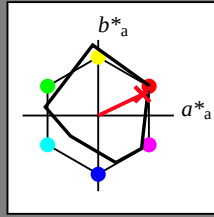
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a)	CIELAB data				
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

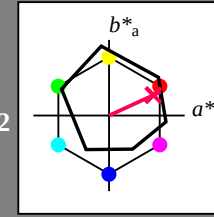
0,25

0,50

0,75

1,00

chromaticness c^*



ORS18; adapted (a)	CIELAB data				
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

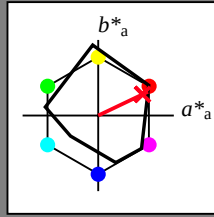
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

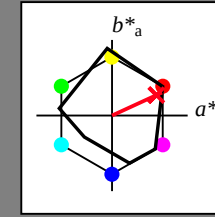
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

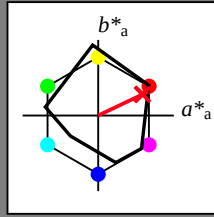
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

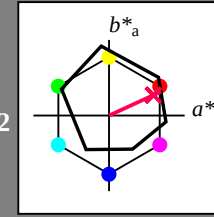
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

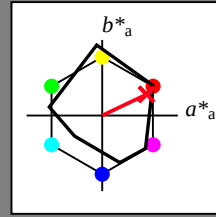
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

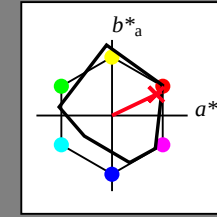
0,25

0,50

0,75

1,00

chromaticness c^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

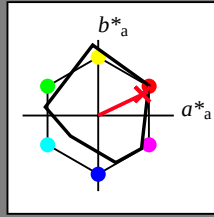
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

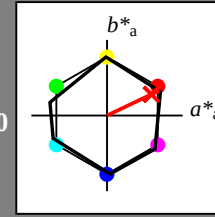
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

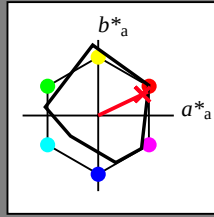
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 1,0$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

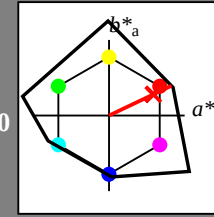
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,50$

$n^* = 0,00$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

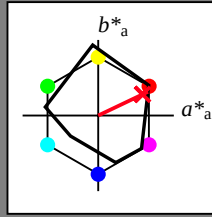
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

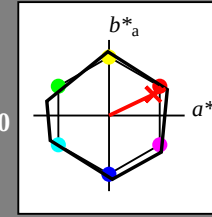
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

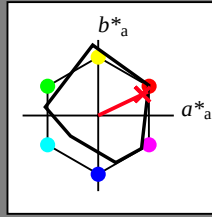
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

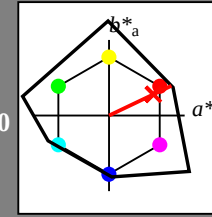
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

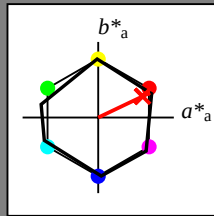
0,25

0,50

0,75

1,00

chromaticness c^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

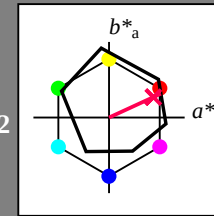
0,25

0,50

0,75

1,00

chromaticness c^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

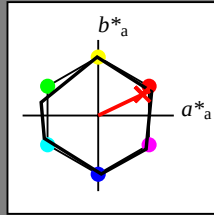
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

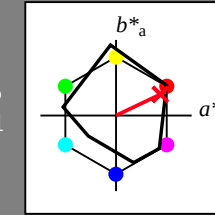
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

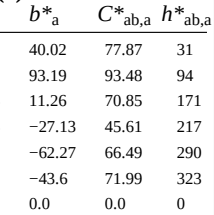
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

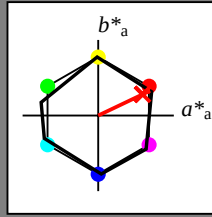
LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

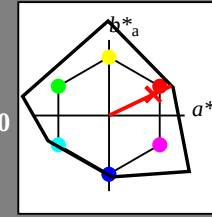
LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

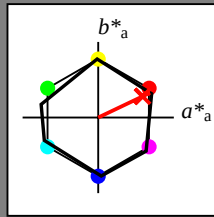
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

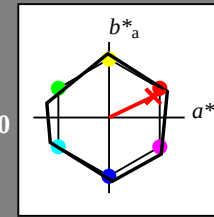
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

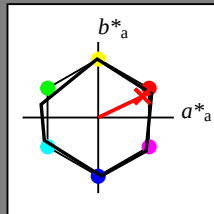
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

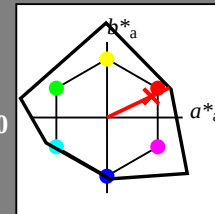
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

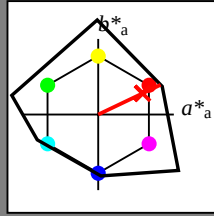
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

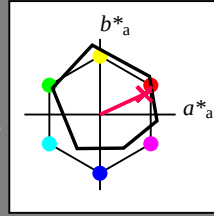
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0$
 $cmyn3^* 0.0 0.0 0.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.0$
 standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 0.0$
 $LAB^*TCha 99.99 0.01 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75$
 $cmyn3^* 0.25 0.25 0.25$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.25$
 standard and adapted CIELAB
 $LAB^*LAB 76.06 0.0 3.44$
 $LAB^*TCha 75.01 -$
 relative CIELAB lab*
 $lab^*lab 0.75 0.0 0.0$
 $lab^*tch 0.75 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5$
 $cmyn3^* 0.5 0.5 0.5$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.5$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.23 2.14$
 $LAB^*TCha 50.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25$
 $cmyn3^* 0.75 0.75 0.75$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.75$
 standard and adapted CIELAB
 $LAB^*LAB 37.36 0.13 0.83$
 $LAB^*TCha 25.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.25 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0$
 $cmyn3^* 1.0 1.0 1.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 1.0$
 standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*TCha 0.01 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 1.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75$
 $cmyn3^* 0.25 0.25 0.25$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.25$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.23 2.14$
 $LAB^*TCha 50.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5$
 $cmyn3^* 0.5 0.5 0.5$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.5$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.23 2.14$
 $LAB^*TCha 50.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25$
 $cmyn3^* 0.75 0.75 0.75$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.75$
 standard and adapted CIELAB
 $LAB^*LAB 37.36 0.13 0.83$
 $LAB^*TCha 25.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.25 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0$
 $cmyn3^* 1.0 1.0 1.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 1.0$
 standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*TCha 0.01 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 1.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0$
 $cmyn3^* 0.0 0.0 0.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.0$
 standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 0.0$
 $LAB^*TCha 99.99 0.01 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75$
 $cmyn3^* 0.25 0.25 0.25$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.25$
 standard and adapted CIELAB
 $LAB^*LAB 76.06 0.0 3.44$
 $LAB^*TCha 75.01 -$
 relative CIELAB lab*
 $lab^*lab 0.75 0.0 0.0$
 $lab^*tch 0.75 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5$
 $cmyn3^* 0.5 0.5 0.5$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.5$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.23 2.14$
 $LAB^*TCha 50.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25$
 $cmyn3^* 0.75 0.75 0.75$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.75$
 standard and adapted CIELAB
 $LAB^*LAB 37.36 0.13 0.83$
 $LAB^*TCha 25.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.25 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0$
 $cmyn3^* 1.0 1.0 1.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 1.0$
 standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*TCha 0.01 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 1.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75$
 $cmyn3^* 0.25 0.25 0.25$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.25$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.23 2.14$
 $LAB^*TCha 50.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5$
 $cmyn3^* 0.5 0.5 0.5$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.5$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.23 2.14$
 $LAB^*TCha 50.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25$
 $cmyn3^* 0.75 0.75 0.75$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.75$
 standard and adapted CIELAB
 $LAB^*LAB 37.36 0.13 0.83$
 $LAB^*TCha 25.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.25 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0$
 $cmyn3^* 1.0 1.0 1.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 1.0$
 standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*TCha 0.01 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 1.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0$
 $cmyn3^* 0.0 0.0 0.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.0$
 standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 0.0$
 $LAB^*TCha 99.99 0.01 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75$
 $cmyn3^* 0.25 0.25 0.25$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.25$
 standard and adapted CIELAB
 $LAB^*LAB 76.06 0.0 3.44$
 $LAB^*TCha 75.01 -$
 relative CIELAB lab*
 $lab^*lab 0.75 0.0 0.0$
 $lab^*tch 0.75 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5$
 $cmyn3^* 0.5 0.5 0.5$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.5$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.23 2.14$
 $LAB^*TCha 50.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25$
 $cmyn3^* 0.75 0.75 0.75$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.75$
 standard and adapted CIELAB
 $LAB^*LAB 37.36 0.13 0.83$
 $LAB^*TCha 25.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.25 0.0 -$
 $lab^*nch 0.25 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.25 0.0 -$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0$
 $cmyn3^* 1.0 1.0 1.0$
 $olvi4^* 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 1.0$
 standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*TCha 0.01 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 1.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

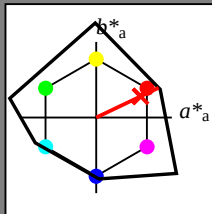
LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

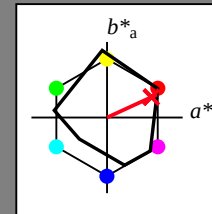
LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

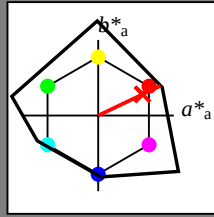
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

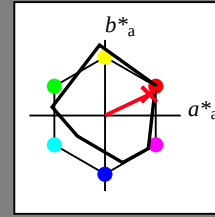
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

0,00

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% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

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0,00

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

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0,00

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

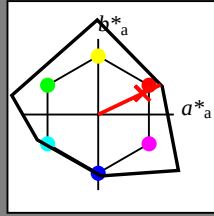
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

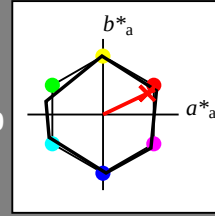
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

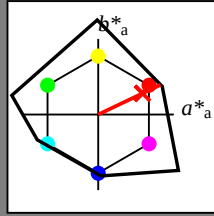
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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chromaticness c^*

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chromaticness c^*

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blackness n^*

chromaticness c^*

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chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

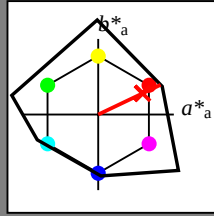
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

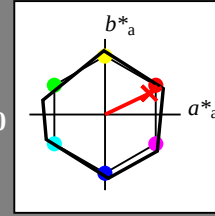
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0		
LAB*LABa	11.01	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

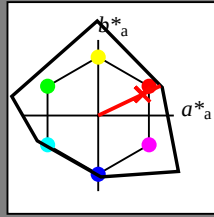
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.06	167
G50B _{Ma}	59.47	-80.61	-33.45	87.28	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

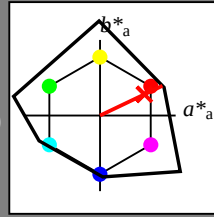
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	74.31	0.0	0.0	0.0	0.0
LAB*LABc	74.31	0.0	0.0	0.0	0.0
LAB*LABd	74.31	0.0	0.0	0.0	0.0
LAB*LABe	74.31	0.0	0.0	0.0	0.0
LAB*LABf	74.31	0.0	0.0	0.0	0.0
LAB*LABg	74.31	0.0	0.0	0.0	0.0
LAB*LABh	74.31	0.0	0.0	0.0	0.0
LAB*LABi	74.31	0.0	0.0	0.0	0.0
LAB*LABj	74.31	0.0	0.0	0.0	0.0
LAB*LABk	74.31	0.0	0.0	0.0	0.0
LAB*LABl	74.31	0.0	0.0	0.0	0.0
LAB*LABm	74.31	0.0	0.0	0.0	0.0
LAB*LABn	74.31	0.0	0.0	0.0	0.0
LAB*LABo	74.31	0.0	0.0	0.0	0.0
LAB*LABp	74.31	0.0	0.0	0.0	0.0
LAB*LABq	74.31	0.0	0.0	0.0	0.0
LAB*LABr	74.31	0.0	0.0	0.0	0.0
LAB*LABs	74.31	0.0	0.0	0.0	0.0
LAB*LABt	74.31	0.0	0.0	0.0	0.0
LAB*LABu	74.31	0.0	0.0	0.0	0.0
LAB*LABv	74.31	0.0	0.0	0.0	0.0
LAB*LABw	74.31	0.0	0.0	0.0	0.0
LAB*LABx	74.31	0.0	0.0	0.0	0.0
LAB*LABy	74.31	0.0	0.0	0.0	0.0
LAB*LABz	74.31	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	74.31	0.0	0.0	0.0	0.0
LAB*LABc	74.31	0.0	0.0	0.0	0.0
LAB*LABd	74.31	0.0	0.0	0.0	0.0
LAB*LABe	74.31	0.0	0.0	0.0	0.0
LAB*LABf	74.31	0.0	0.0	0.0	0.0
LAB*LABg	74.31	0.0	0.0	0.0	0.0
LAB*LABh	74.31	0.0	0.0	0.0	0.0
LAB*LABi	74.31	0.0	0.0	0.0	0.0
LAB*LABj	74.31	0.0	0.0	0.0	0.0
LAB*LABk	74.31	0.0	0.0	0.0	0.0
LAB*LABl	74.31	0.0	0.0	0.0	0.0
LAB*LABm	74.31	0.0	0.0	0.0	0.0
LAB*LABn	74.31	0.0	0.0	0.0	0.0
LAB*LABo	74.31	0.0	0.0	0.0	0.0
LAB*LABp	74.31	0.0	0.0	0.0	0.0
LAB*LABq	74.31	0.0	0.0	0.0	0.0
LAB*LABr	74.31	0.0	0.0	0.0	0.0
LAB*LABs	74.31	0.0	0.0	0.0	0.0
LAB*LABt	74.31	0.0	0.0	0.0	0.0
LAB*LABu	74.31	0.0	0.0	0.0	0.0
LAB*LABv	74.31	0.0	0.0	0.0	0.0
LAB*LABw	74.31	0.0	0.0	0.0	0.0
LAB*LABx	74.31	0.0	0.0	0.0	0.0
LAB*LABy	74.31	0.0	0.0	0.0	0.0
LAB*LABz	74.31	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	74.31	0.0	0.0	0.0	0.0
LAB*LABc	74.31	0.0	0.0	0.0	0.0
LAB*LABd	74.31	0.0	0.0	0.0	0.0
LAB*LABe	74.31	0.0	0.0	0.0	0.0
LAB*LABf	74.31	0.0	0.0	0.0	0.0
LAB*LABg	74.31	0.0	0.0	0.0	0.0
LAB*LABh	74.31	0.0	0.0	0.0	0.0
LAB*LABi	74.31	0.0	0.0	0.0	0.0
LAB*LABj	74.31	0.0	0.0	0.0	0.0
LAB*LABk	74.31	0.0	0.0	0.0	0.0
LAB*LABl	74.31	0.0	0.0	0.0	0.0
LAB*LABm	74.31	0.0	0.0	0.0	0.0
LAB*LABn	74.31	0.0	0.0	0.0	0.0
LAB*LABo	74.31	0.0	0.0	0.0	0.0
LAB*LABp	74.31	0.0	0.0	0.0	0.0
LAB*LABq	74.31	0.0	0.0	0.0	0.0
LAB*LABr	74.31	0.0	0.0	0.0	0.0
LAB*LABs	74.31	0.0	0.0	0.0	0.0
LAB*LABt	74.31	0.0	0.0	0.0	0.0
LAB*LABu	74.31	0.0	0.0	0.0	0.0
LAB*LABv	74.31	0.0	0.0	0.0	0.0
LAB*LABw	74.31	0.0	0.0	0.0	0.0
LAB*LABx	74.31	0.0	0.0	0.0	0.0
LAB*LABy	74.31	0.0	0.0	0.0	0.0
LAB*LABz	74.31	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	74.31	0.0	0.0	0.0	0.0
LAB*LABc	74.31	0.0	0.0	0.0	0.0
LAB*LABd	74.31	0.0	0.0	0.0	0.0
LAB*LABe	74.31	0.0	0.0	0.0	0.0
LAB*LABf	74.31	0.0	0.0	0.0	0.0
LAB*LABg	74.31	0.0	0.0	0.0	0.0
LAB*LABh	74.31	0.0	0.0	0.0	0.0
LAB*LABi	74.31	0.0	0.0	0.0	0.0
LAB*LABj	74.31	0.0	0.0	0.0	0.0
LAB*LABk	74.31	0.0	0.0	0.0	0.0
LAB*LABl	74.31	0.0	0.0	0.0	0.0
LAB*LABm	74.31	0.0	0.0	0.0	0.0
LAB*LABn	74.31	0.0	0.0	0.0	0.0
LAB*LABo	74.31	0.0	0.0	0.0	0.0
LAB*LABp	74.31	0.0	0.0	0.0	0.0
LAB*LABq	74.31	0.0	0.0	0.0	0.0
LAB*LABr	74.31	0.0	0.0	0.0	0.0
LAB*LABs	74.31	0.0	0.0	0.0	0.0
LAB*LABt	74.31	0.0	0.0	0.0	0.0
LAB*LABu	74.31	0.0	0.0	0.0	0.0
LAB*LABv	74.31	0.0	0.0	0.0	0.0
LAB*LABw	74.31	0.0	0.0	0.0	0.0
LAB*LABx	74.31	0.0	0.0	0.0	0.0
LAB*LABy	74.31	0.0	0.0	0.0	0.0
LAB*LABz	74.31	0.0	0.0	0.0	0.0

LAB* <i>t</i> CHa	50.0	0.01	–
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	–
lab* <i>n</i> ch	0.5	0.0	–
relative Natural Colour (NC)			
lab* <i>l</i> rj	0.5	0.0	0.0
lab*tce	0.5	0.0	–
lab* <i>n</i> cE	0.5	0.0	–

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

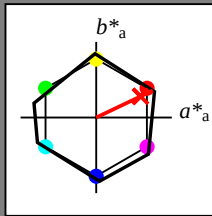
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

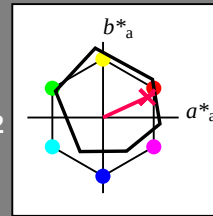
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

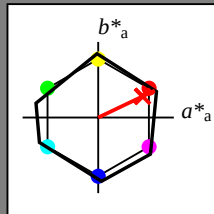
blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

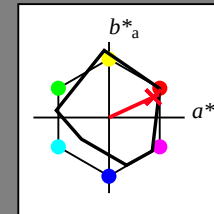
blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

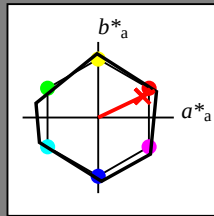
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

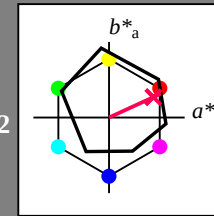
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

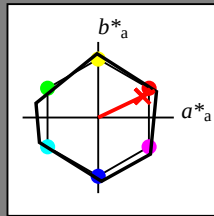
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

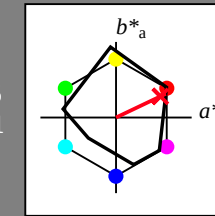
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

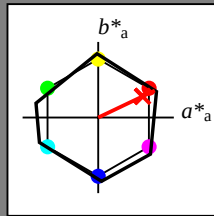
0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

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chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

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chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,75

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,50

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,50

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1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,50

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,50

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1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,50

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1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

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0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

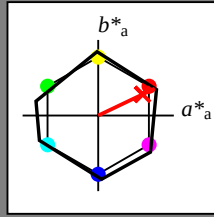
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

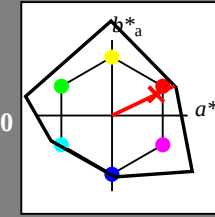
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

% Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

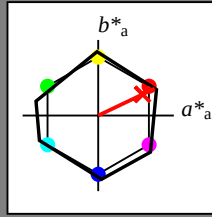
LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	99.99	0.01	-	-	-

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	75.01	0.01	-	-	-

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	0.0	0.0
LAB*LABa	53.21	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	50.0	0.01	-	-	-

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01	0.0	0.0
LAB*LABa	32.11	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	25.0	0.01	-	-	-

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	0.01	0.01	-	-	-

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

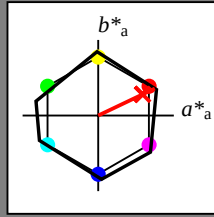
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

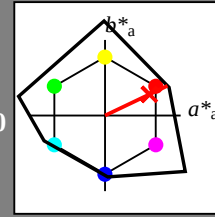
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

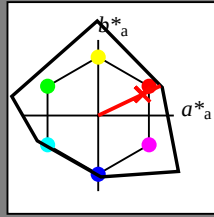
0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

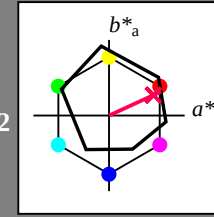
0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

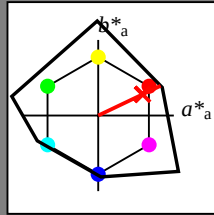
chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

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blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

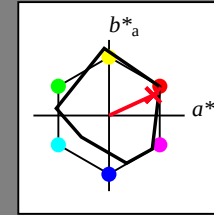
chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

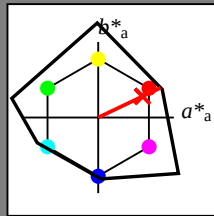
0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

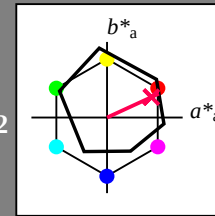
0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

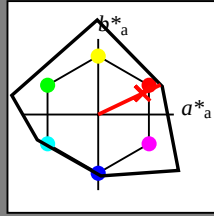
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 25/360 = 0.071$

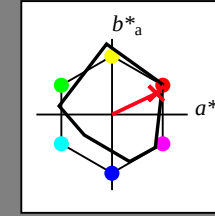
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness



% Gamut

$u^*_{rel} = 92$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0
cmyn3* 0.0 0.0 0.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75
cmyn3* 0.25 0.25 0.25
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 76.06 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCBa 75.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5
cmyn3* 0.5 0.5 0.5
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCBa 50.0 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25
cmyn3* 0.75 0.75 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*TCBa 25.0 0.01

relative CIELAB lab*

lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.02 0.1 0.02
LAB*LABa 18.02 0.1 0.02
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)

olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCBa 75.0 36.45 25.49

relative CIELAB lab*

lab*lab 0.694 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.694 0.5 0.0
lab*tce 0.75 0.5 1.0
lab*nce 0.0 0.5 0.999

relative Inform. Technology (IT)

olvi3* 0.75 0.5 0.302 (1.0)
cmyn3* 0.25 0.5 0.677 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 0.25
standard and adapted CIELAB
LAB*LAB 52.41 32.96 15.7
LAB*LABa 52.41 32.91 15.69
LAB*TCBa 50.0 36.45 25.49

relative CIELAB lab*

lab*lab 0.444 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.444 0.5 0.0
lab*tce 0.5 0.5 1.0
lab*nce 0.25 0.5 0.999

relative Inform. Technology (IT)

olvi3* 0.5 0.0 0.622 (1.0)
cmyn3* 0.5 0.0 0.948 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 0.5
standard and adapted CIELAB
LAB*LAB 33.07 32.96 15.72
LAB*LABa 33.07 32.9 15.69
LAB*TCBa 25.01 36.45 25.5

relative CIELAB lab*

lab*lab 0.195 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.195 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.001

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.026 (1.0)
cmyn3* 0.75 1.0 0.974 (0.0)
olvi4* 1.0 0.75 0.776 0.25
cmyn4* 0.0 0.25 0.224 0.75
standard and adapted CIELAB
LAB*LAB 25.54 16.54 7.88
LAB*LABa 25.54 16.45 7.85
LAB*TCBa 12.5 18.22 25.51

relative CIELAB lab*

lab*lab 0.097 0.226 0.108
lab*tch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.097 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.001

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

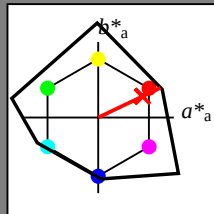
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

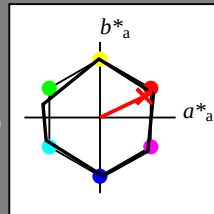
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

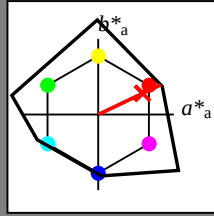
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 25/360 = 0.071$

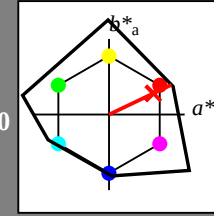
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0	0.0
olvi5*	1.0	1.0	1.0	1.0	1.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	1.0	1.0	1.0	1.0	1.0
olvi8*	0.0	0.0	0.0	0.0	0.0
olvi9*	1.0	1.0	1.0	1.0	1.0
olvi10*	0.0	0.0	0.0	0.0	0.0
olvi11*	1.0	1.0	1.0	1.0	1.0
olvi12*	0.0	0.0	0.0	0.0	0.0
olvi13*	1.0	1.0	1.0	1.0	1.0
olvi14*	0.0	0.0	0.0	0.0	0.0
olvi15*	1.0	1.0	1.0	1.0	1.0
olvi16*	0.0	0.0	0.0	0.0	0.0
olvi17*	1.0	1.0	1.0	1.0	1.0
olvi18*	0.0	0.0	0.0	0.0	0.0
olvi19*	1.0	1.0	1.0	1.0	1.0
olvi20*	0.0	0.0	0.0	0.0	0.0
olvi21*	1.0	1.0	1.0	1.0	1.0
olvi22*	0.0	0.0	0.0	0.0	0.0
olvi23*	1.0	1.0	1.0	1.0	1.0
olvi24*	0.0	0.0	0.0	0.0	0.0
olvi25*	1.0	1.0	1.0	1.0	1.0
olvi26*	0.0	0.0	0.0	0.0	0.0
olvi27*	1.0	1.0	1.0	1.0	1.0
olvi28*	0.0	0.0	0.0	0.0	0.0
olvi29*	1.0	1.0	1.0	1.0	1.0
olvi30*	0.0	0.0	0.0	0.0	0.0
olvi31*	1.0	1.0	1.0	1.0	1.0
olvi32*	0.0	0.0	0.0	0.0	0.0
olvi33*	1.0	1.0	1.0	1.0	1.0
olvi34*	0.0	0.0	0.0	0.0	0.0
olvi35*	1.0	1.0	1.0	1.0	1.0
olvi36*	0.0	0.0	0.0	0.0	0.0
olvi37*	1.0	1.0	1.0	1.0	1.0
olvi38*	0.0	0.0	0.0	0.0	0.0
olvi39*	1.0	1.0	1.0	1.0	1.0
olvi40*	0.0	0.0	0.0	0.0	0.0
olvi41*	1.0	1.0	1.0	1.0	1.0
olvi42*	0.0	0.0	0.0	0.0	0.0
olvi43*	1.0	1.0	1.0	1.0	1.0
olvi44*	0.0	0.0	0.0	0.0	0.0
olvi45*	1.0	1.0	1.0	1.0	1.0
olvi46*	0.0	0.0	0.0	0.0	0.0
olvi47*	1.0	1.0	1.0	1.0	1.0
olvi48*	0.0	0.0	0.0	0.0	0.0
olvi49*	1.0	1.0	1.0	1.0	1.0
olvi50*	0.0	0.0	0.0	0.0	0.0
olvi51*	1.0	1.0	1.0	1.0	1.0
olvi52*	0.0	0.0	0.0	0.0	0.0
olvi53*	1.0	1.0	1.0	1.0	1.0
olvi54*	0.0	0.0	0.0	0.0	0.0
olvi55*	1.0	1.0	1.0	1.0	1.0
olvi56*	0.0	0.0	0.0	0.0	0.0
olvi57*	1.0	1.0	1.0	1.0	1.0
olvi58*	0.0	0.0	0.0	0.0	0.0
olvi59*	1.0	1.0	1.0	1.0	1.0
olvi60*	0.0	0.0	0.0	0.0	0.0
olvi61*	1.0	1.0	1.0	1.0	1.0
olvi62*	0.0	0.0	0.0	0.0	0.0
olvi63*	1.0	1.0	1.0	1.0	1.0
olvi64*	0.0	0.0	0.0	0.0	0.0
olvi65*	1.0	1.0	1.0	1.0	1.0
olvi66*	0.0	0.0	0.0	0.0	0.0
olvi67*	1.0	1.0	1.0	1.0	1.0
olvi68*	0.0	0.0	0.0	0.0	0.0
olvi69*	1.0	1.0	1.0	1.0	1.0
olvi70*	0.0	0.0	0.0	0.0	0.0
olvi71*	1.0	1.0	1.0	1.0	1.0
olvi72*	0.0	0.0	0.0	0.0	0.0
olvi73*	1.0	1.0	1.0	1.0	1.0
olvi74*	0.0	0.0	0.0	0.0	0.0
olvi75*	1.0	1.0	1.0	1.0	1.0
olvi76*	0.0	0.0	0.0	0.0	0.0
olvi77*	1.0	1.0	1.0	1.0	1.0
olvi78*	0.0	0.0	0.0	0.0	0.0
olvi79*	1.0	1.0	1.0	1.0	1.0
olvi80*	0.0	0.0	0.0	0.0	0.0
olvi81*	1.0	1.0	1.0	1.0	1.0
olvi82*	0.0	0.0	0.0	0.0	0.0
olvi83*	1.0	1.0	1.0	1.0	1.0
olvi84*	0.0	0.0	0.0	0.0	0.0
olvi85*	1.0	1.0	1.0	1.0	1.0
olvi86*	0.0	0.0	0.0	0.0	0.0
olvi87*	1.0	1.0	1.0	1.0	1.0
olvi88*	0.0	0.0	0.0	0.0	0.0
olvi89*	1.0	1.0	1.0	1.0	1.0
olvi90*	0.0	0.0	0.0	0.0	0.0
olvi91*	1.0	1.0	1.0	1.0	1.0
olvi92*	0.0	0.0	0.0	0.0	0.0
olvi93*	1.0	1.0	1.0	1.0	1.0
olvi94*	0.0	0.0	0.0	0.0	0.0
olvi95*	1.0	1.0	1.0	1.0	1.0
olvi96*	0.0	0.0	0.0	0.0	0.0
olvi97*	1.0	1.0	1.0	1.0	1.0
olvi98*	0.0	0.0	0.0	0.0	0.0
olvi99*	1.0	1.0	1.0	1.0	1.0
olvi100*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.756	0.75	(1.0
cmyn3*	0.0	0.244	0.25	(0.0
olvi4*	1.0	0.756	0.75	1.0
cmyn4*	0.0	0.244	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	83.61	20.65	9.84	
LAB*LABa	83.61	20.63	9.84	

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

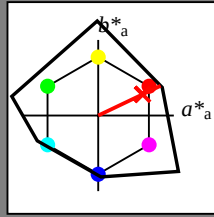
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

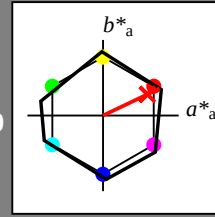
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

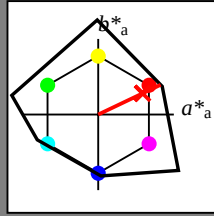
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 25/360 = 0.071$

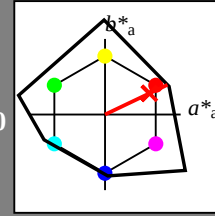
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	0.0	0.0
LAB*LABa	53.21	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	50.0	0.01	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0	0.0	0.0
LAB*LABa	32.11	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	25.0	0.01	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0	0.0	0.0
LAB*LABa	11.01	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	0.01	0.01	-	-	-

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	1.0	0.756	0.75	0.75	(1.0)
cmyn3*	0.0	0.244	0.25	0.25	(0.0)
olvi4*	1.0	0.756	0.75	1.0	1.0
cmyn4*	0.0	0.244	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	83.61	20.65	9.84	0.0	0.0
LAB*LABa	83.61	20.64	9.84	0.0	0.0
LAB*TC _{Ha}	87.5	22.86	25.49	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.506	0.5	0.5	(1.0)
cmyn3*	0.25	0.494	0.5	0.5	(0.0)
olvi4*	1.0	0.756	0.75	0.75	1.0
cmyn4*	0.0	0.244	0.25	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	62.51	20.68	9.85	0.0	0.0
LAB*LABa	62.51	20.64	9.84	0.0	0.0
LAB*TC _{Ha}	62.5	22.87	25.49	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.256	0.25	0.25	(1.0)
cmyn3*	0.5	0.744	0.25	0.25	(0.0)
olvi4*	1.0	0.756	0.75	0.75	1.0
cmyn4*	0.0	0.244	0.25	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	41.4	20.7	9.86	0.0	0.0
LAB*LABa	41.4	20.64	9.84	0.0	0.0
LAB*TC _{Ha}	37.5	22.87	25.49	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.006	0.0	0.0	(1.0)
cmyn3*	0.75	0.994	0.0	0.0	(0.0)
olvi4*	1.0	0.756	0.75	0.75	1.0
cmyn4*	0.0	0.244	0.25	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	20.3	20.71	9.85	0.0	0.0
LAB*LABa	20.3	20.64	9.83	0.0	0.0
LAB*TC _{Ha}	12.5	22.86	25.46	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0	0.0	0.0
LAB*LABa	11.01	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	0.01	0.01	-	-	-

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	1.0	0.512	0.5	0.5	(1.0)
cmyn3*	0.0	0.488	0.5	0.5	(0.0)
olvi4*	1.0	0.512	0.5	0.5	1.0
cmyn4*	0.0	0.488	0.5	0.5	0.0
standard and adapted CIELAB					
LAB*LAB	71.81	41.31	19.68	0.0	0.0
LAB*LABa	71.81	41.28	19.68	0.0	0.0
LAB*TC _{Ha}	75.0	45.73	25.49	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.262	0.25	0.25	(1.0)
cmyn3*	0.25	0.738	0.25	0.25	(0.0)
olvi4*	1.0	0.512	0.5	0.5	1.0
cmyn4*	0.0	0.488	0.5	0.5	0.0
standard and adapted CIELAB					
LAB*LAB	50.71	41.33	19.69	0.0	0.0
LAB*LABa	50.71	41.29	19.68	0.0	0.0
LAB*TC _{Ha}	50.0	45.73	25.49	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.012	0.0	0.0	(1.0)
cmyn3*	0.5	0.988	0.0	0.0	(0.0)
olvi4*	1.0	0.268	0.5	0.5	1.0
cmyn4*	0.0	0.732	0.25	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	38.91	61.99	29.53	0.0	0.0
LAB*LABa	38.91	61.93	29.51	0.0	0.0
LAB*TC _{Ha}	37.51	68.6	25.48	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.006	0.0	0.0	(1.0)
cmyn3*	0.75	0.994	0.0	0.0	(0.0)
olvi4*	1.0	0.756	0.75	0.75	1.0
cmyn4*	0.0	0.244	0.25	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	20.3	20.71	9.85	0.0	0.0
LAB*LABa	20.3	20.64	9.83	0.0	0.0
LAB*TC _{Ha}	12.5	22.86	25.46	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0	0.0	0.0
LAB*LABa	11.01	0.0	0.0	0.0	0.0
LAB*TC _{Ha}	0.01	0.01	-	-	-

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	1.0	0.268	0.25	0.25	(1.0)
cmyn3*	0.0	0.732	0.25	0.25	(0.0)
olvi4*	1.0	0.268	0.25	0.25	1.0
cmyn4*	0.0	0.732	0.25	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	60.01	61.96	29.53	0.0	0.0
LAB*LABa	60.01	61.92	29.52	0.0	0.0
LAB*TC _{Ha}	62.5	68.6	25.49	-	-

relative Inform. Technology (IT)					
olvi3*	1.0	0.268	0.25	(1.0)	
cmyn3*	0.0	0.732	0.75	(0.0)	
olvi4*	1.0	0.268	0.25	1.0	
cmyn4*	0.0	0.732	0.75	0.0	
standard and adapted CIELAB					
LAB*LAB	60.01	61.96	29.53		
LAB*LABa	60.01	61.92	29.52		
LAB*TC _h a	62.5	68.6	25.49		
relative CIELAB lab*					
lab*lab	0.581	0.677	0.323		
lab*tc _h	0.625	0.75	0.021		

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

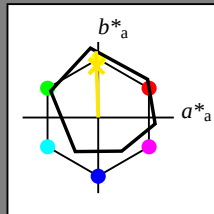
LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

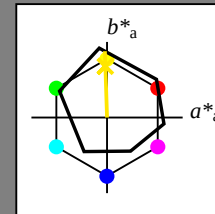
LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
$olvi3^*$	1.0	1.0	0.975	0.75	(1.0)
$cmyn3^*$	0.0	0.0	0.0	0.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB					
LAB^*LAB	95.41	-0.97	4.75		
LAB^*LABa	95.41	0.0	0.0		
LAB^*TCha	99.99	0.01	-		

relative CIELAB lab*					
lab^*lab	1.0	0.0	0.0		
lab^*tch	1.0	0.0	-		
lab^*nch	0.0	0.0	0.0		

relative Natural Colour (NC)					
lab^*trj	1.0	0.0	0.0		
lab^*tce	0.0	0.0	-		
lab^*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.75	0.75	0.75	(1.0)	
$cmyn3^*$	0.25	0.25	0.25	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.5	
$cmyn4^*$	0.0	0.0	0.0	0.5	

standard and adapted CIELAB					
LAB^*LAB	76.06	0.0	3.44		
LAB^*LABa	76.06	0.0	0.0		
LAB^*TCha	75.0	0.01	-		

relative CIELAB lab*					
lab^*lab	0.75	0.0	0.0		
lab^*tch	0.75	0.0	-		
lab^*nch	0.25	0.0	0.0		

relative Natural Colour (NC)					
lab^*trj	0.75	0.0	0.0		
lab^*tce	0.25	0.0	-		
lab^*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.25	0.25	0.25	(1.0)	
$cmyn3^*$	0.75	0.75	0.75	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.25	
$cmyn4^*$	0.0	0.0	0.0	0.75	

standard and adapted CIELAB					
LAB^*LAB	37.36	0.0	0.83		
LAB^*LABa	37.36	0.0	0.0		
LAB^*TCha	25.0	0.01	-		

relative CIELAB lab*					
lab^*lab	0.25	0.0	0.0		
lab^*tch	0.25	0.0	-		
lab^*nch	0.75	0.0	0.0		

relative Natural Colour (NC)					
lab^*trj	0.25	0.0	0.0		
lab^*tce	0.75	0.0	-		
lab^*nce	0.75	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

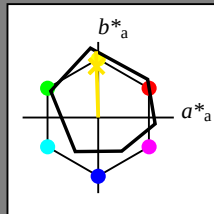
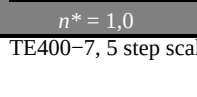
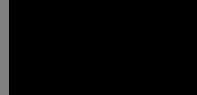
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00



Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

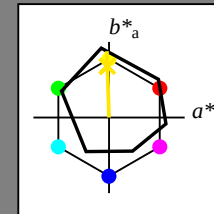
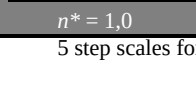
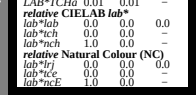
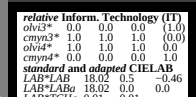
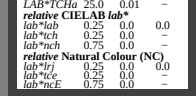
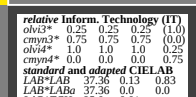
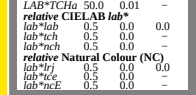
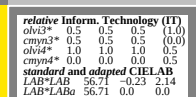
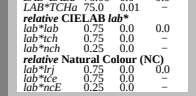
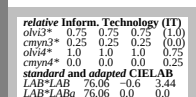
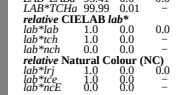
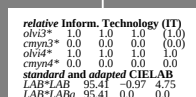
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00



TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

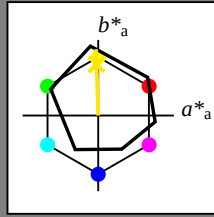
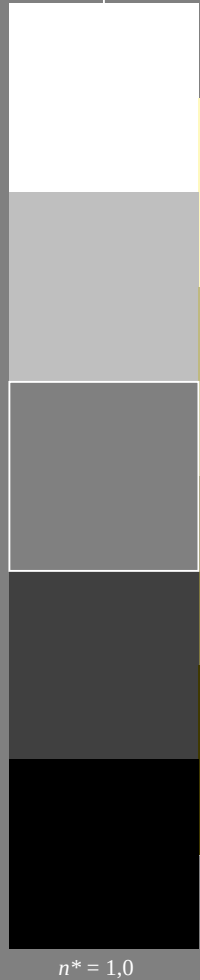
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

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$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

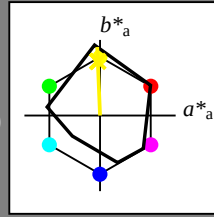
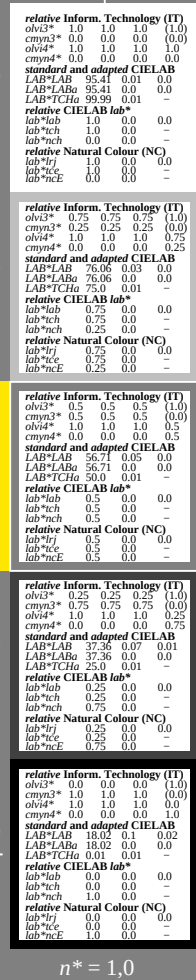
D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
CMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

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$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

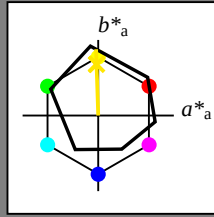
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

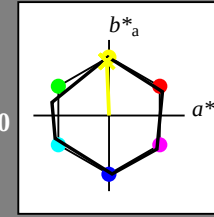
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

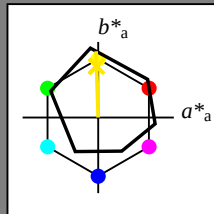
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

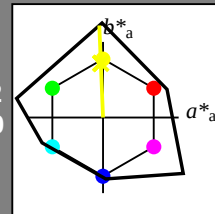
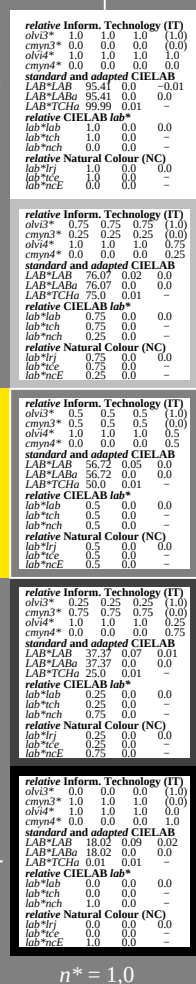
D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

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0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

0,50

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triangle lightness

1,00

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

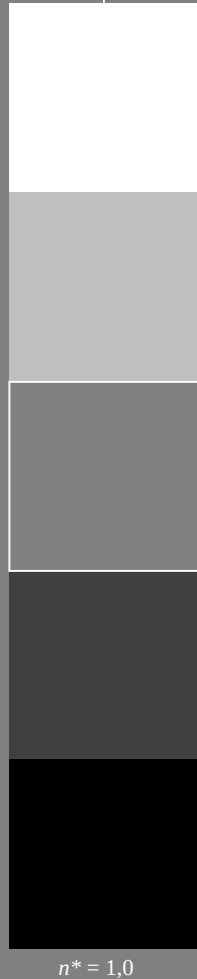
D65: hue J

LCH*Ma: 89 86 92

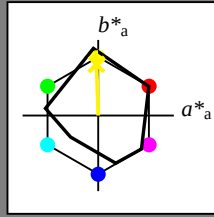
rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00



TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)



MRS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

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0,00

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

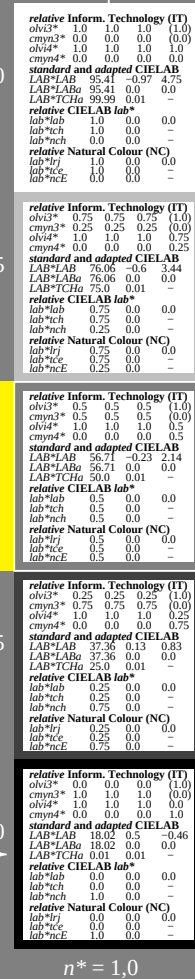
D65: hue J

LCH*Ma: 86 88 92

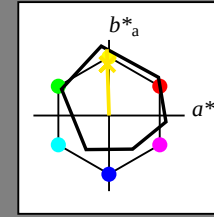
rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



5 step scales for constant CIELAB hue 92/360 = 0.255 (right)



ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

0,00

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

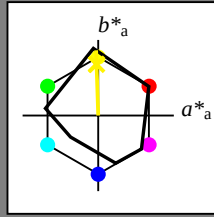
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

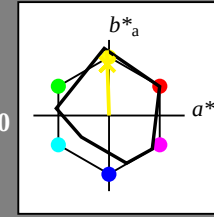
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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blackness n^*

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blackness n^*

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chromaticness c^*

blackness n^*

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blackness n^*

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chromaticness c^*

blackness n^*

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blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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0,75

1,00

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 91$

1,00

↑

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

1,00

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

1,00

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

1,00

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

1,00

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

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% Gamut

$u^*_{rel} = 92$

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

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%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

1,00

↑

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

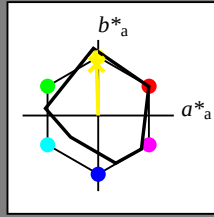
0,50

0,75

1,00

chromaticness c^*

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

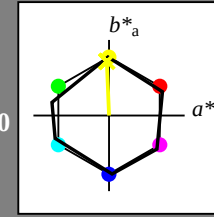
0,50

0,75

1,00

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

triangle lightness

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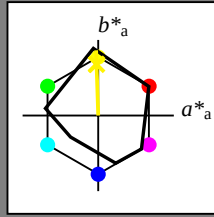
triangle lightness

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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness

1,00

triangle lightness

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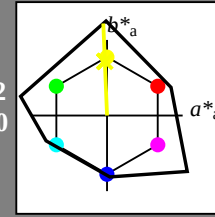
triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

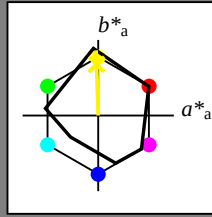
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

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MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

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Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

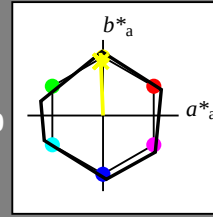
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

0,50

0,25

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NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

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Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

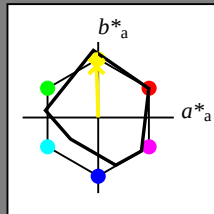
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

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MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

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Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

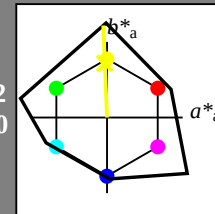
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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$n^* = 0,00$

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$n^* = 0,25$

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chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

blackness n^*

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1,00

chromaticness c^*

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

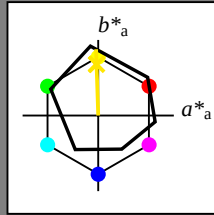
$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

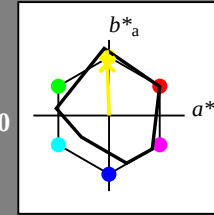
$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

$n^* = 0,00$

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$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

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$n^* = 0,00$

$n^* = 0,25$

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$n^* = 1,0$

chromaticness c^*

blackness n^*

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chromaticness c^*

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Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

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$n^* = 0,25$

$n^* = 0,50$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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$n^* = 1,0$

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blackness n^*

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0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

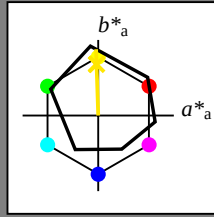
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

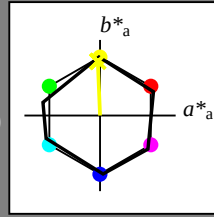
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

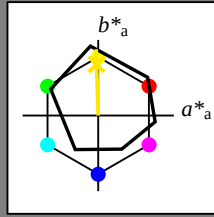
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

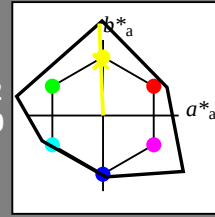
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

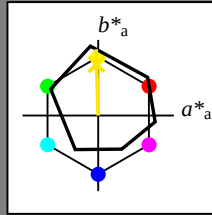
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

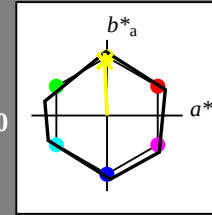
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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chromaticness c^*

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blackness n^*

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blackness n^*

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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triangle lightness

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blackness n^*

chromaticness c^*

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blackness n^*

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blackness n^*

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blackness n^*

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blackness n^*

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blackness n^*

chromaticness c^*

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triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

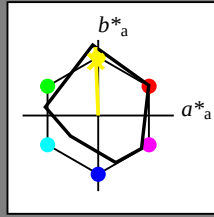
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

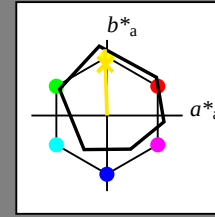
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

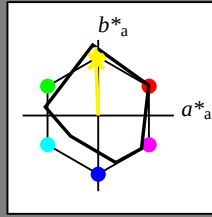
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

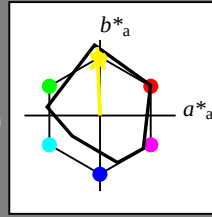
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$ 1.0 0.988 0.75 (1.0)
 $cmyn3^* = 0.0$ 0.0 0.0 0.0 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 0.0
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$ 0.0 0.0
 $LAB^*LABa = 95.41$ 0.0 0.0
 $LAB^*TCha = 99.99$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 1.0$ 0.0 0.0
 $lab^*tch = 1.0$ 0.0 -
 $lab^*nch = 0.0$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 1.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 0.0$ 0.0 -

relative Inform. Technology (IT)
 $olvi3^* = 0.75$ 0.75 0.75 (1.0)
 $cmyn3^* = 0.25$ 0.25 0.25 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$ 0.0 0.0
 $LAB^*LABa = 76.06$ 0.0 0.0
 $LAB^*TCha = 75.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.75$ 0.0 0.0
 $lab^*tch = 0.75$ 0.0 -
 $lab^*nch = 0.25$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.75$ 0.0 0.0
 $lab^*tce = 0.25$ 0.0 0.0
 $lab^*nce = 0.25$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.5$ 0.5 0.5 (1.0)
 $cmyn3^* = 0.5$ 0.5 0.5 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 0.5
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$ 0.0 0.0
 $LAB^*LABa = 56.71$ 0.0 0.0
 $LAB^*TCha = 50.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.5$ 0.0 0.0
 $lab^*tch = 0.5$ 0.0 -
 $lab^*nch = 0.5$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.5$ 0.0 0.0
 $lab^*tce = 0.5$ 0.0 0.0
 $lab^*nce = 0.5$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.25$ 0.25 0.25 (1.0)
 $cmyn3^* = 0.75$ 0.75 0.75 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$ 0.01 0.01
 $LAB^*LABa = 37.36$ 0.01 0.01
 $LAB^*TCha = 25.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.25$ 0.0 0.0
 $lab^*tch = 0.25$ 0.0 -
 $lab^*nch = 0.75$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.25$ 0.0 0.0
 $lab^*tce = 0.75$ 0.0 0.0
 $lab^*nce = 0.75$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.0$ 0.0 0.0 (1.0)
 $cmyn3^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$ 0.1 0.02
 $LAB^*LABa = 18.02$ 0.1 0.02
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 0.0
 $lab^*nce = 1.0$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.75$ 0.75 0.75 (1.0)
 $cmyn3^* = 0.25$ 0.25 0.25 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$ 0.0 0.0
 $LAB^*LABa = 76.06$ 0.0 0.0
 $LAB^*TCha = 75.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.75$ 0.0 0.0
 $lab^*tch = 0.75$ 0.0 -
 $lab^*nch = 0.25$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.75$ 0.0 0.0
 $lab^*tce = 0.25$ 0.0 0.0
 $lab^*nce = 0.25$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.5$ 0.5 0.5 (1.0)
 $cmyn3^* = 0.5$ 0.5 0.5 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 0.5
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$ 0.0 0.0
 $LAB^*LABa = 56.71$ 0.0 0.0
 $LAB^*TCha = 50.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.5$ 0.0 0.0
 $lab^*tch = 0.5$ 0.0 -
 $lab^*nch = 0.5$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.5$ 0.0 0.0
 $lab^*tce = 0.5$ 0.0 0.0
 $lab^*nce = 0.5$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.25$ 0.25 0.25 (1.0)
 $cmyn3^* = 0.75$ 0.75 0.75 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$ 0.01 0.01
 $LAB^*LABa = 37.36$ 0.01 0.01
 $LAB^*TCha = 25.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.25$ 0.0 0.0
 $lab^*tch = 0.25$ 0.0 -
 $lab^*nch = 0.75$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.25$ 0.0 0.0
 $lab^*tce = 0.75$ 0.0 0.0
 $lab^*nce = 0.75$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.0$ 0.0 0.0 (1.0)
 $cmyn3^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$ 0.1 0.02
 $LAB^*LABa = 18.02$ 0.1 0.02
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 0.0
 $lab^*nce = 1.0$ 0.0 0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

relative Inform. Technology (IT)
 $olvi3^* = 1.0$ 0.976 0.5 (1.0)
 $cmyn3^* = 0.0$ 0.024 0.5 (0.0)
 $olvi4^* = 1.0$ 0.976 0.5 (0.0)
 $cmyn4^* = 0.0$ 0.024 0.5 0.0
 standard and adapted CIELAB
 $LAB^*LAB = 92.06$ -1.83 45.31
 $LAB^*LABa = 92.06$ -1.84 45.31
 $LAB^*TCha = 75.0$ 45.35 92.34
 relative CIELAB lab*
 $lab^*lab = 0.957$ -0.019 0.499
 $lab^*tch = 0.75$ 0.5 0.0
 $lab^*nch = 0.0$ 0.5 0.257
 relative Natural Colour (NC)
 $lab^*trj = 0.957$ 0.0 0.5
 $lab^*tce = 0.75$ 0.5 0.25
 $lab^*nce = 0.0$ 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.75$ 0.726 0.25 (1.0)
 $cmyn3^* = 0.25$ 0.274 0.75 (0.0)
 $olvi4^* = 1.0$ 0.976 0.5 0.75
 $cmyn4^* = 0.0$ 0.024 0.5 0.25
 standard and adapted CIELAB
 $LAB^*LAB = 72.71$ -1.8 45.32
 $LAB^*LABa = 72.71$ -1.84 45.31
 $LAB^*TCha = 50.0$ 45.35 92.33
 relative CIELAB lab*
 $lab^*lab = 0.707$ -0.019 0.5
 $lab^*tch = 0.75$ 0.5 0.256
 $lab^*nch = 0.25$ 0.5 0.256
 relative Natural Colour (NC)
 $lab^*trj = 0.707$ 0.0 0.5
 $lab^*tce = 0.75$ 0.5 0.25
 $lab^*nce = 0.25$ 0.5 0.25

relative Inform. Technology (IT)
 $olvi3^* = 0.5$ 0.488 0.25 (1.0)
 $cmyn3^* = 0.5$ 0.512 0.75 (0.0)
 $olvi4^* = 1.0$ 0.988 0.75 0.5
 $cmyn4^* = 0.0$ 0.012 0.25 0.5
 standard and adapted CIELAB
 $LAB^*LAB = 55.03$ -0.86 22.67
 $LAB^*LABa = 55.03$ -0.91 22.66
 $LAB^*TCha = 37.5$ 22.67 92.33
 relative CIELAB lab*
 $lab^*lab = 0.478$ -0.009 0.25
 $lab^*tch = 0.375$ 0.25 0.256
 $lab^*nch = 0.5$ 0.25 0.256
 relative Natural Colour (NC)
 $lab^*trj = 0.478$ 0.0 0.25
 $lab^*tce = 0.375$ 0.25 0.25
 $lab^*nce = 0.5$ 0.25 0.25

relative Inform. Technology (IT)
 $olvi3^* = 0.25$ 0.238 0.0 (1.0)
 $cmyn3^* = 0.75$ 0.762 1.0 (0.0)
 $olvi4^* = 1.0$ 0.988 0.75 0.25
 $cmyn4^* = 0.0$ 0.012 0.25 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 35.68$ -0.84 22.67
 $LAB^*LABa = 35.68$ -0.91 22.66
 $LAB^*TCha = 12.5$ 22.67 92.33
 relative CIELAB lab*
 $lab^*lab = 0.228$ -0.009 0.25
 $lab^*tch = 0.125$ 0.25 0.256
 $lab^*nch = 0.75$ 0.25 0.256
 relative Natural Colour (NC)
 $lab^*trj = 0.228$ 0.0 0.25
 $lab^*tce = 0.125$ 0.25 0.25
 $lab^*nce = 0.75$ 0.25 0.25

relative Inform. Technology (IT)
 $olvi3^* = 0.0$ 0.0 0.0 (1.0)
 $cmyn3^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$ 0.1 0.02
 $LAB^*LABa = 18.02$ 0.1 0.02
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 0.0
 $lab^*nce = 1.0$ 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.75$ 0.714 0.0 (1.0)
 $cmyn3^* = 0.25$ 0.286 1.0 (0.0)
 $olvi4^* = 1.0$ 0.964 0.25 0.75
 $cmyn4^* = 0.0$ 0.036 0.75 0.25
 standard and adapted CIELAB
 $LAB^*LAB = 71.04$ -2.72 67.96
 $LAB^*LABa = 71.04$ -2.72 67.96
 $LAB^*TCha = 37.51$ 68.02 92.34
 relative CIELAB lab*
 $lab^*lab = 0.935$ -0.03 0.749
 $lab^*tch = 0.625$ 0.75 0.256
 $lab^*nch = 0.0$ 0.75 0.256
 relative Natural Colour (NC)
 $lab^*trj = 0.935$ 0.0 0.75
 $lab^*tce = 0.625$ 0.75 0.25
 $lab^*nce = 0.0$ 0.75 0.0

relative Inform. Technology (IT)
 $olvi3^* = 0.5$ 0.476 0.0 (1.0)
 $cmyn3^* = 0.5$ 0.524 1.0 (0.0)
 $olvi4^* = 1.0$ 0.976 0.5 0.5
 $cmyn4^* = 0.0$ 0.024 0.5 0.5
 standard and adapted CIELAB
 $LAB^*LAB = 53.36$ -1.78 45.32
 $LAB^*LABa = 53.36$ -1.84 45.3
 $LAB^*TCha = 25.01$ 45.34 92.33
 relative CIELAB lab*
 $lab^*lab = 0.457$ -0.019 0.499
 $lab^*tch = 0.5$ 0.5 0.256
 $lab^*nch = 0.5$ 0.5 0.256
 relative Natural Colour (NC)
 $lab^*trj = 0.457$ 0.0 0.5
 $lab^*tce = 0.5$ 0.5 0.25
 $lab^*nce = 0.5$ 0.5 0.25

relative Inform. Technology (IT)
 $olvi3^* = 0.25$ 0.238 0.0 (1.0)
 $cmyn3^* = 0.75$ 0.762 1.0 (0.0)
 $olvi4^* = 1.0$ 0.988 0.75 0.25
 $cmyn4^* = 0.0$ 0.012 0.25 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 35.68$ -0.84 22.67
 $LAB^*LABa = 35.68$ -0.91 22.66
 $LAB^*TCha = 12.5$ 22.67 92.33
 relative CIELAB lab*
 $lab^*lab = 0.228$ -0.009 0.25
 $lab^*tch = 0.125$ 0.25 0.256
 $lab^*nch = 0.75$ 0.25 0.256
 relative Natural Colour (NC)
 $lab^*trj = 0.228$ 0.0 0.25
 $lab^*tce = 0.125$ 0.25 0.25
 $lab^*nce = 0.75$ 0.25 0.25

relative Inform. Technology (IT)
 $olvi3^* = 0.0$ 0.0 0.0 (1.0)
 $cmyn3^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 0.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$ 0.1 0.02
 $LAB^*LABa = 18.02$ 0.1 0.02
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 0.0
 $lab^*nce = 1.0$ 0.0 0.0

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

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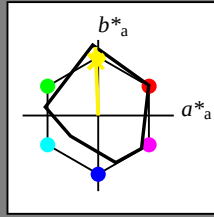
$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

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$n^* = 1,00$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

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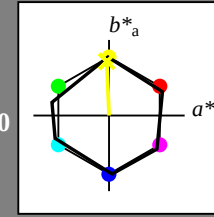
$n^* = 1,00$

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$n^* = 1,00$

$n^* = 1,00$



% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

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$n^* = 1,00$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

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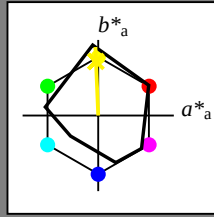
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% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a)	CIELAB data				
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

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Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness

1,00

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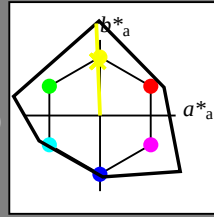
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% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a)	CIELAB data				
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

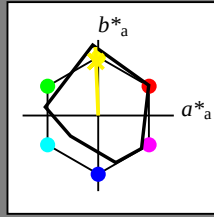
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

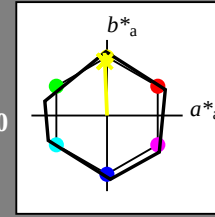
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*tch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 74.31$
 $LAB^*LABa = 74.31$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*tch = 0.75$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 53.21$
 $LAB^*LABa = 53.21$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*tch = 0.5$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*tch = 0.25$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* = 0.994$
 $cmyn3^* = 0.006$
 $olvi4^* = 0.994$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 84.85$
 $LAB^*LABa = 84.85$
 $LAB^*TCha = 87.5$
 relative CIELAB lab*
 $lab^*lab = 0.875$
 $lab^*tch = 0.875$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.875$
 $lab^*tce = 0.125$
 $lab^*nce = 0.125$

relative Inform. Technology (IT)
 $olvi3^* = 0.744$
 $cmyn3^* = 0.256$
 $olvi4^* = 0.984$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 63.75$
 $LAB^*LABa = 63.75$
 $LAB^*TCha = 62.5$
 relative CIELAB lab*
 $lab^*lab = 0.625$
 $lab^*tch = 0.625$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.625$
 $lab^*tce = 0.375$
 $lab^*nce = 0.375$

relative Inform. Technology (IT)
 $olvi3^* = 0.494$
 $cmyn3^* = 0.506$
 $olvi4^* = 0.984$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 53.2$
 $LAB^*LABa = 53.2$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.494$
 $lab^*tch = 0.494$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.494$
 $lab^*tce = 0.506$
 $lab^*nce = 0.506$

relative Inform. Technology (IT)
 $olvi3^* = 0.244$
 $cmyn3^* = 0.756$
 $olvi4^* = 0.994$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.244$
 $lab^*tch = 0.244$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.244$
 $lab^*tce = 0.756$
 $lab^*nce = 0.756$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.244$
 $cmyn3^* = 0.756$
 $olvi4^* = 0.994$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.244$
 $lab^*tch = 0.244$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.244$
 $lab^*tce = 0.756$
 $lab^*nce = 0.756$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* = 0.989$
 $cmyn3^* = 0.011$
 $olvi4^* = 0.989$
 $cmyn4^* = 0.011$
 standard and adapted CIELAB
 $LAB^*LAB = 74.3$
 $LAB^*LABa = 74.3$
 $LAB^*TCha = 75.0$
 relative CIELAB lab*
 $lab^*lab = 0.989$
 $lab^*tch = 0.989$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.989$
 $lab^*tce = 0.011$
 $lab^*nce = 0.011$

relative Inform. Technology (IT)
 $olvi3^* = 0.739$
 $cmyn3^* = 0.261$
 $olvi4^* = 0.989$
 $cmyn4^* = 0.011$
 standard and adapted CIELAB
 $LAB^*LAB = 53.2$
 $LAB^*LABa = 53.2$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.739$
 $lab^*tch = 0.739$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.739$
 $lab^*tce = 0.261$
 $lab^*nce = 0.261$

relative Inform. Technology (IT)
 $olvi3^* = 0.494$
 $cmyn3^* = 0.506$
 $olvi4^* = 0.984$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 53.2$
 $LAB^*LABa = 53.2$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.494$
 $lab^*tch = 0.494$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.494$
 $lab^*tce = 0.506$
 $lab^*nce = 0.506$

relative Inform. Technology (IT)
 $olvi3^* = 0.244$
 $cmyn3^* = 0.756$
 $olvi4^* = 0.994$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.244$
 $lab^*tch = 0.244$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.244$
 $lab^*tce = 0.756$
 $lab^*nce = 0.756$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.244$
 $cmyn3^* = 0.756$
 $olvi4^* = 0.994$
 $cmyn4^* = 0.006$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.244$
 $lab^*tch = 0.244$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.244$
 $lab^*tce = 0.756$
 $lab^*nce = 0.756$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*tch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

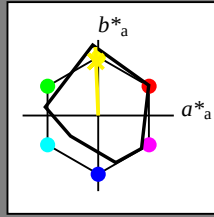
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
J _{CIE}	81.26	-2.91	71.56	71.62	92
G _{CIE}	52.23	-42.47	13.58	44.6	162
B _{CIE}	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

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Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

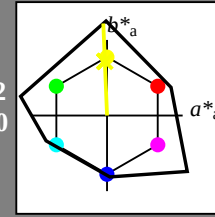
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

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Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

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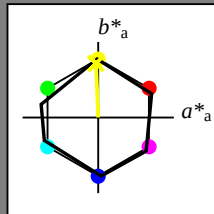
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

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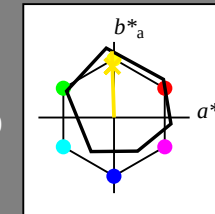
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

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% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

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% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

triangle lightness

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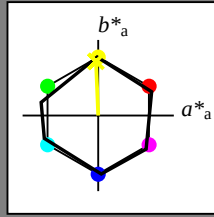
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

triangle lightness

triangle lightness

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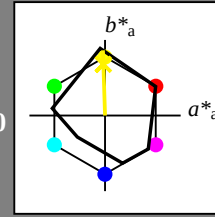
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

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1,00

triangle lightness

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blackness n^*

chromaticness c^*

0,25

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1,00

triangle lightness

1,00

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0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

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triangle lightness

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blackness n^*

chromaticness c^*

0,25

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0,75

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triangle lightness

1,00

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0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

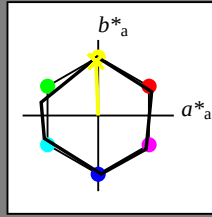
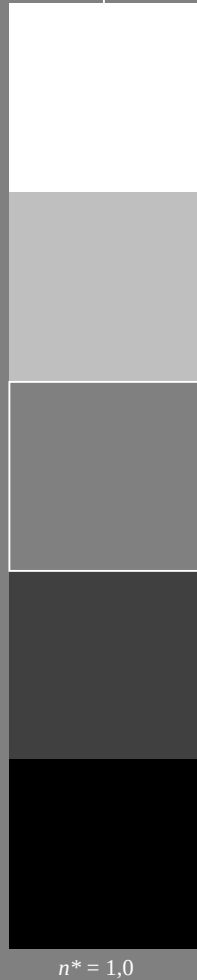
D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
N _{Ma}	18.01	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

relative Inform. Technology (IT)						
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0
lab*rch	1.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	76.06	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0
lab*rch	0.75	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	56.71	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0
lab*rch	0.5	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	37.36	0.07	0.01	0.0	0.0	0.0
LAB*LABa	37.36	0.07	0.01	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0
lab*rch	0.25	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	18.02	0.1	0.02	0.0	0.0	0.0
LAB*LABa	18.02	0.1	0.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0
lab*rch	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

relative Inform. Technology (IT)						
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0
lab*rch	1.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	76.06	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0
lab*rch	0.75	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	56.71	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0
lab*rch	0.5	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	37.36	0.07	0.01	0.0	0.0	0.0
LAB*LABa	37.36	0.07	0.01	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0
lab*rch	0.25	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)						
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)						
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	18.02	0.1	0.02	0.0	0.0	0.0
LAB*LABa	18.02	0.1	0.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-	-</

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

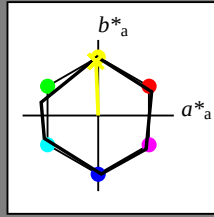
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

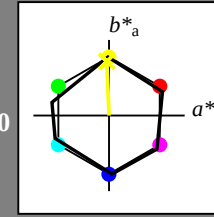
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 100$

1,00

↑

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

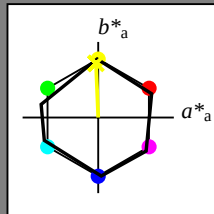
$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 136$

1,00

↑

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

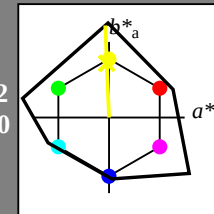
$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

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%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

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%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

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%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

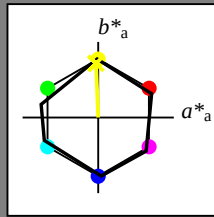
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

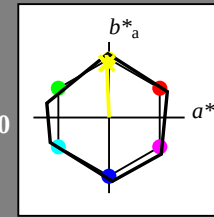
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

1,00

0,75

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

triangle lightness

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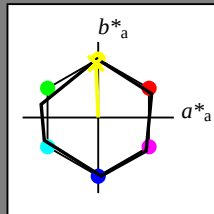
triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness

1,00

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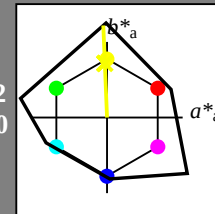
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

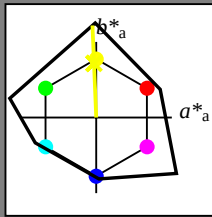
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

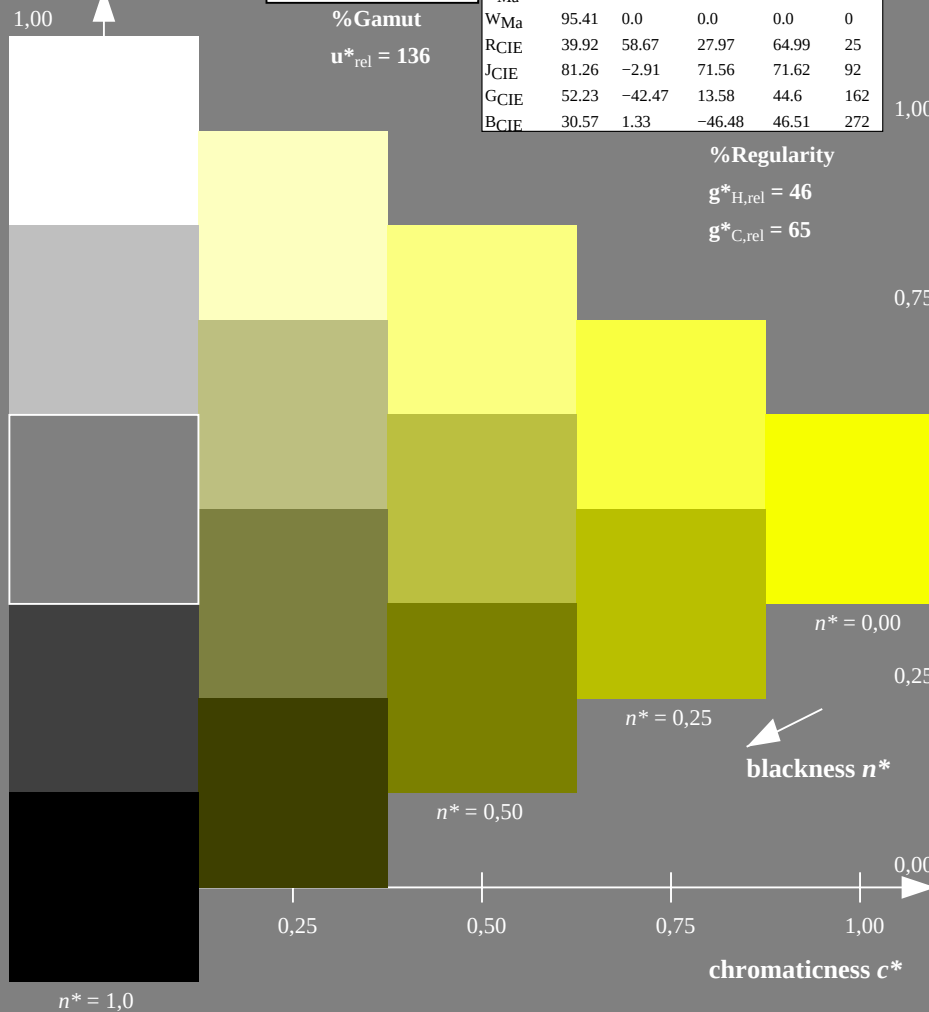
rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

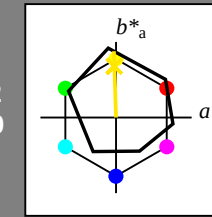
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

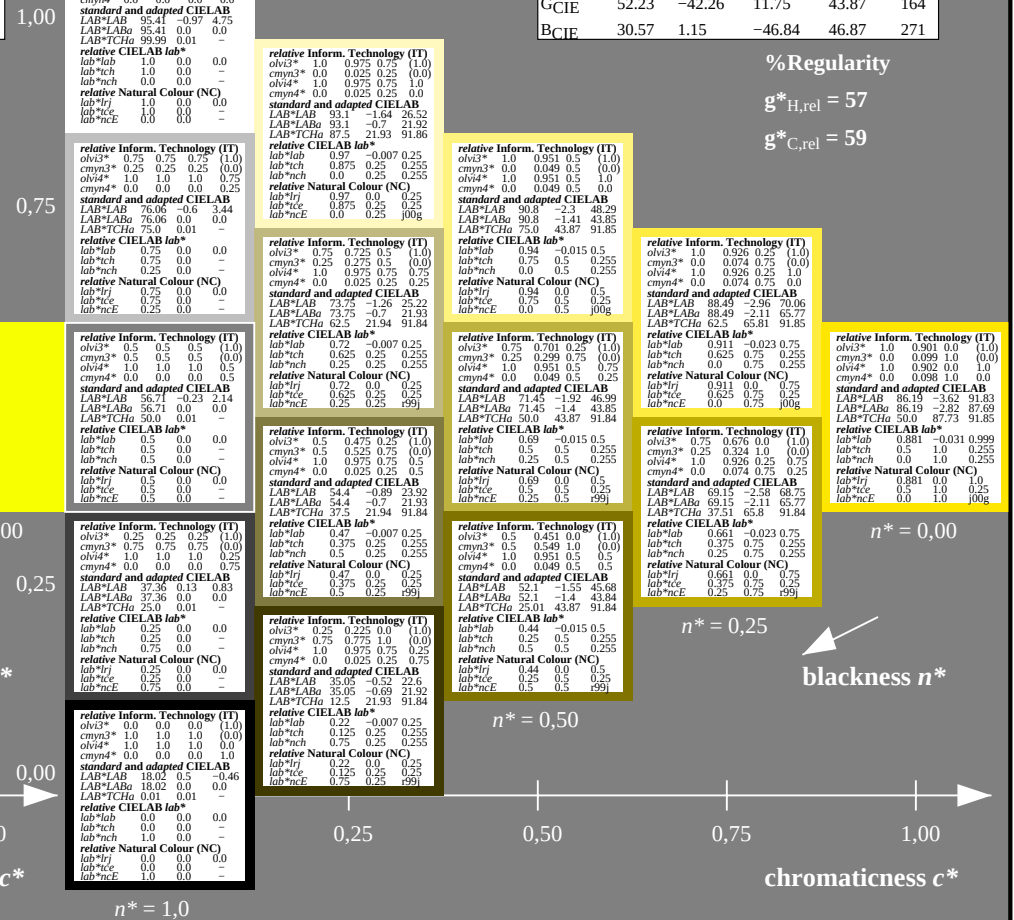
rgb*Ma: 1.0 0.9 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$



5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
$olvi3^*$	1.0	1.0	0.975	0.75	(1.0)
$cmyn3^*$	0.0	0.0	0.0	0.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	95.41	-0.97	4.75		
LAB^*LABa	95.41	0.0	0.0		
LAB^*TCha	99.99	0.01	-		
relative CIELAB lab*					
lab^*lab	1.0	0.0	0.0		
lab^*tch	1.0	0.0	-		
lab^*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab^*trj	1.0	0.0	0.0		
lab^*tce	0.0	0.0	-		
lab^*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.75	0.75	0.75	(1.0)	
$cmyn3^*$	0.25	0.25	0.25	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.75	
$cmyn4^*$	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB^*LAB	76.06	-0.6	3.44		
LAB^*LABa	76.06	0.0	0.0		
LAB^*TCha	75.0	0.01	-		
relative CIELAB lab*					
lab^*lab	0.75	0.0	0.0		
lab^*tch	0.75	0.0	-		
lab^*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.75	0.0	0.0		
lab^*tce	0.25	0.0	-		
lab^*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.5	0.5	0.5	(1.0)	
$cmyn3^*$	0.5	0.5	0.5	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.5	
$cmyn4^*$	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB^*LAB	56.71	-0.3	2.14		
LAB^*LABa	56.71	0.0	0.0		
LAB^*TCha	50.0	0.01	-		
relative CIELAB lab*					
lab^*lab	0.5	0.0	0.0		
lab^*tch	0.5	0.0	-		
lab^*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.5	0.0	0.0		
lab^*tce	0.5	0.0	-		
lab^*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.25	0.25	0.25	(1.0)	
$cmyn3^*$	0.75	0.75	0.75	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.25	
$cmyn4^*$	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB^*LAB	37.36	0.0	0.0		
LAB^*LABa	37.36	0.0	0.0		
LAB^*TCha	25.0	0.01	-		
relative CIELAB lab*					
lab^*lab	0.25	0.0	0.0		
lab^*tch	0.25	0.0	-		
lab^*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.25	0.0	0.0		
lab^*tce	0.75	0.0	-		
lab^*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.0	0.0	0.0	(1.0)	
$cmyn3^*$	1.0	1.0	1.0	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.0	
$cmyn4^*$	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB^*LAB	18.02	0.5	-0.46		
LAB^*LABa	18.02	0.0	0.0		
LAB^*TCha	0.01	0.01	-		
relative CIELAB lab*					
lab^*lab	0.0	0.0	0.0		
lab^*tch	0.0	0.0	-		
lab^*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.0	0.0	0.0		
lab^*tce	0.0	0.0	-		
lab^*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.0	0.0	0.0	(1.0)	
$cmyn3^*$	1.0	1.0	1.0	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.0	
$cmyn4^*$	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB^*LAB	12.5	0.5	-0.93		
LAB^*LABa	12.5	0.0	0.0		
LAB^*TCha	12.5	0.01	-		
relative CIELAB lab*					
lab^*lab	0.0	0.0	0.0		
lab^*tch	0.0	0.0	-		
lab^*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.0	0.0	0.0		
lab^*tce	0.0	0.0	-		
lab^*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.25	0.25	0.25	(1.0)	
$cmyn3^*$	0.75	0.75	0.75	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.25	
$cmyn4^*$	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB^*LAB	35.05	-0.52	22.6		
LAB^*LABa	35.05	-0.69	21.92		
LAB^*TCha	12.5	0.01	-		
relative CIELAB lab*					
lab^*lab	0.25	0.0	0.0		
lab^*tch	0.25	0.0	-		
lab^*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.25	0.0	0.0		
lab^*tce	0.75	0.0	-		
lab^*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.0	0.0	0.0	(1.0)	
$cmyn3^*$	1.0	1.0	1.0	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.0	
$cmyn4^*$	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB^*LAB	18.02	0.5	-0.46		
LAB^*LABa	18.02	0.0	0.0		
LAB^*TCha	0.01	0.01	-		
relative CIELAB lab*					
lab^*lab	0.0	0.0	0.0		
lab^*tch	0.0	0.0	-		
lab^*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.0	0.0	0.0		
lab^*tce	0.0	0.0	-		
lab^*nce	1.0	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.0	0.0	0.0	(1.0)	
$cmyn3^*$	1.0	1.0	1.0	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.0	
$cmyn4^*$	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB^*LAB	18.02	0.5	-0.46		
LAB^*LABa	18.02	0.0	0.0		
LAB^*TCha	0.01	0.01	-		
relative CIELAB lab*					
lab^*lab	0.0	0.0	0.0		
lab^*tch	0.0	0.0	-		
lab^*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab^*trj	0.0	0.0	0.0		
lab^*tce	0.0	0.0	-		
lab^*nce	1.0	0.0	-		

ORS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
* _a	OMa	47.94	65.37	50.52	82.62	38
	YMa	90.37	-10.27	91.77	92.34	96
	LMa	50.9	-62.79	34.95	71.87	151
	CMa	58.62	-30.35	-45.01	54.3	236
	VMa	25.71	31.11	-44.42	54.24	305
	MMa	48.13	75.27	-8.35	75.73	354
	NMa	18.01	0.0	0.0	0.0	0
	WMa	95.41	0.0	0.0	0.0	0
	RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92	
GCIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

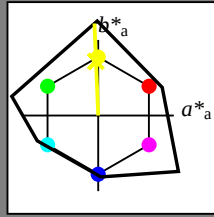
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

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Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

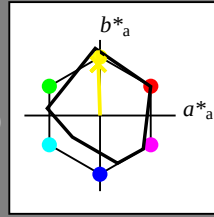
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,00

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*TCBa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCBa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCBa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCBa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.125	0.0	0.0		
lab*nce	0.125	0.0	0.0		

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	0.0	0.0	0.0	
relative Natural Colour (NC)				

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

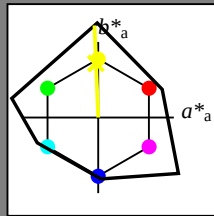
D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

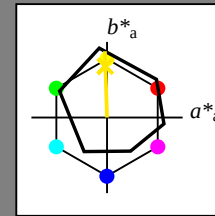
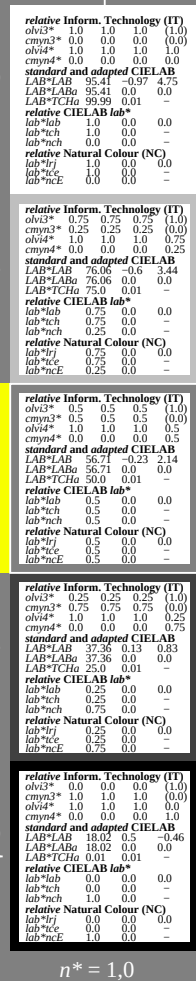
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

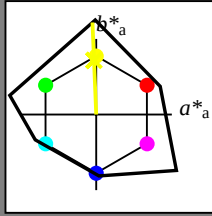
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

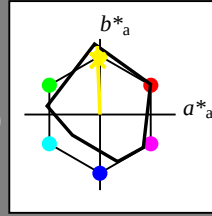
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

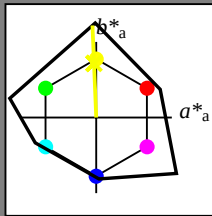
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

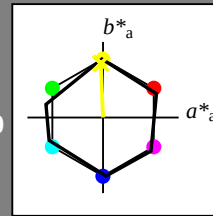
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

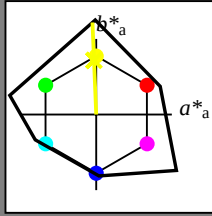
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

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0,00

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

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Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

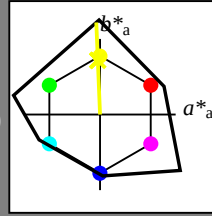
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

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TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

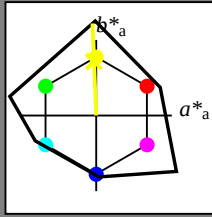
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

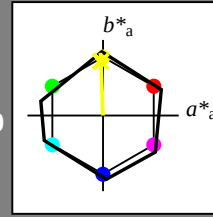
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

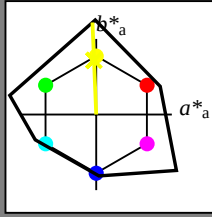
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

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NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,50

0,25

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Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

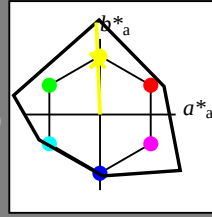
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

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NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,50

0,25

0,00

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$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

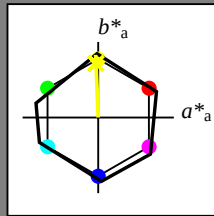
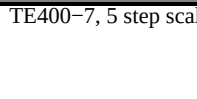
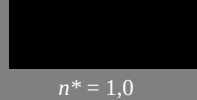
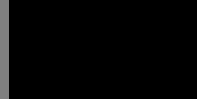
D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

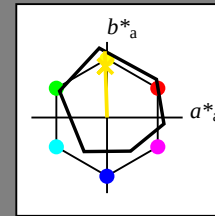
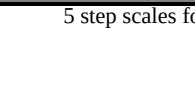
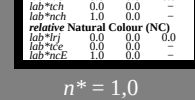
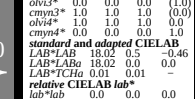
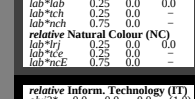
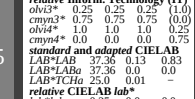
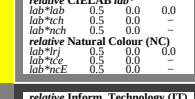
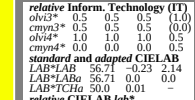
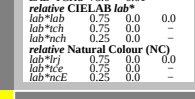
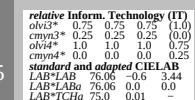
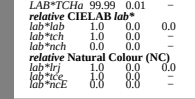
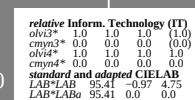
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

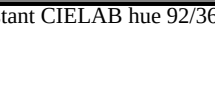
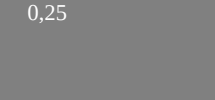
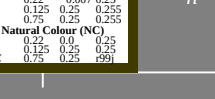
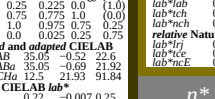
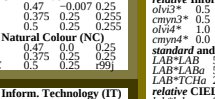
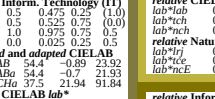
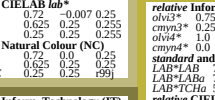
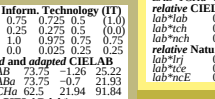
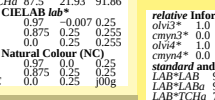
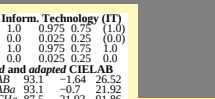
triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

triangle lightness

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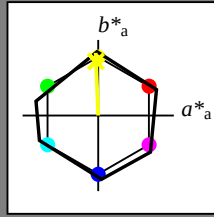
triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

triangle lightness

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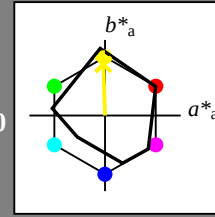
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

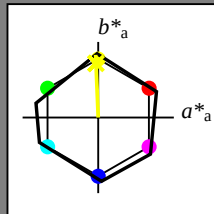
D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

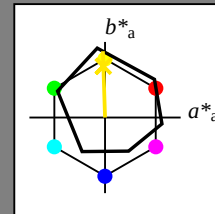
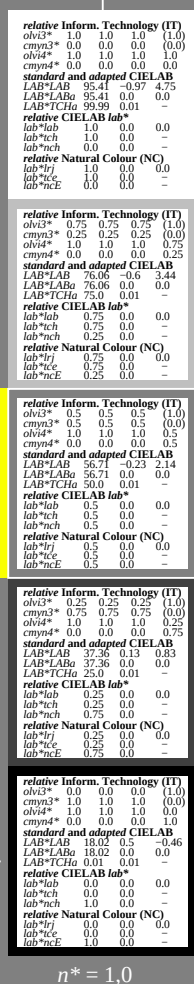
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

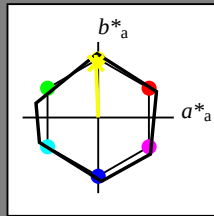
$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

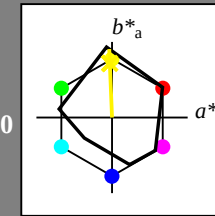
$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

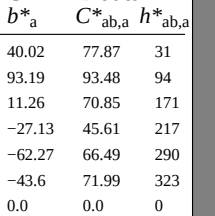
$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*



% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

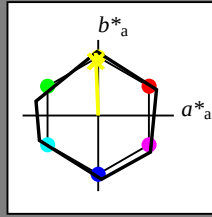
D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

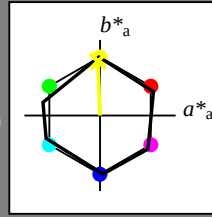
D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

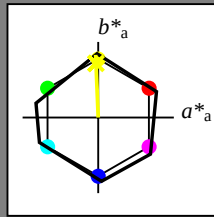
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

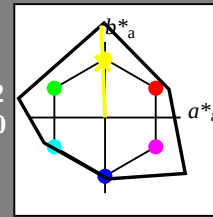
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

triangle lightness

triangle lightness

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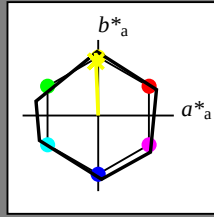
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

triangle lightness

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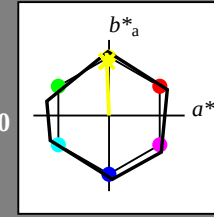
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,2

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

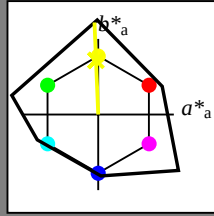
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

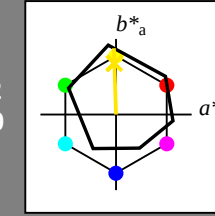
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	76.06	0.0	0.0	0.0	0.0
lab*tch	76.06	0.0	0.0	0.0	0.0
lab*nch	76.06	0.0	0.0	0.0	0.0
relative CIELAB lab*	76.06	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.75	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	54.4	-0.7	21.93	0.0	0.0
lab*tch	54.4	-0.7	21.93	0.0	0.0
lab*nch	54.4	-0.7	21.93	0.0	0.0
relative CIELAB lab*	54.4	-0.7	21.93	0.0	0.0
lab*lab	0.47	-0.007	0.25	0.0	0.0
lab*tch	0.47	-0.007	0.25	0.0	0.0
lab*nch	0.47	-0.007	0.25	0.0	0.0
relative Natural Colour (NC)	0.47	-0.007	0.25	0.0	0.0
lab*trj	0.47	-0.007	0.25	0.0	0.0
lab*tce	0.47	-0.007	0.25	0.0	0.0
lab*nce	0.47	-0.007	0.25	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.0	0.0	0.0	0.0
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

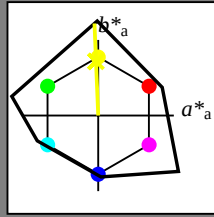
0,50

0,75

1,00

chromaticness c^*

blackness n^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

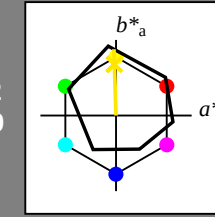
0,50

0,75

1,00

chromaticness c^*

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

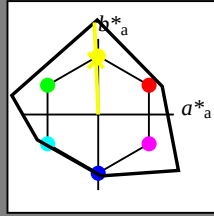
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

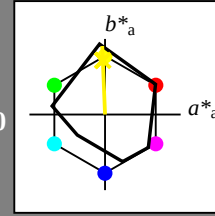
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

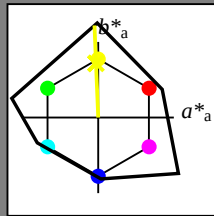
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

blackness n^*

$n^* = 0,50$

$n^* = 0,25$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

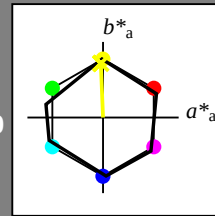
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

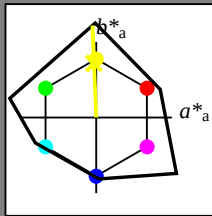
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

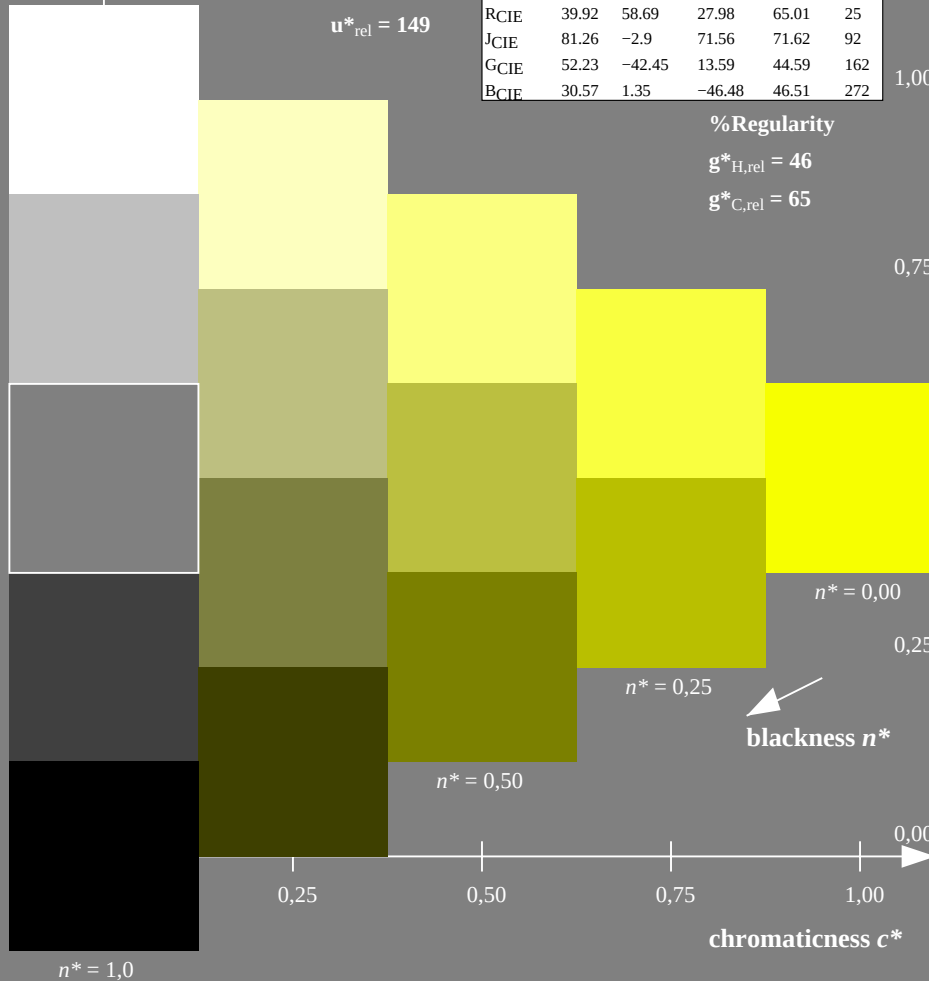
triangle lightness



% Gamut

$u^*_{rel} = 149$

1,00



TE400-7, 5 step scales for constant CIE LAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 92/360 = 0.256$

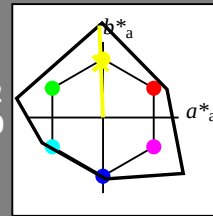
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

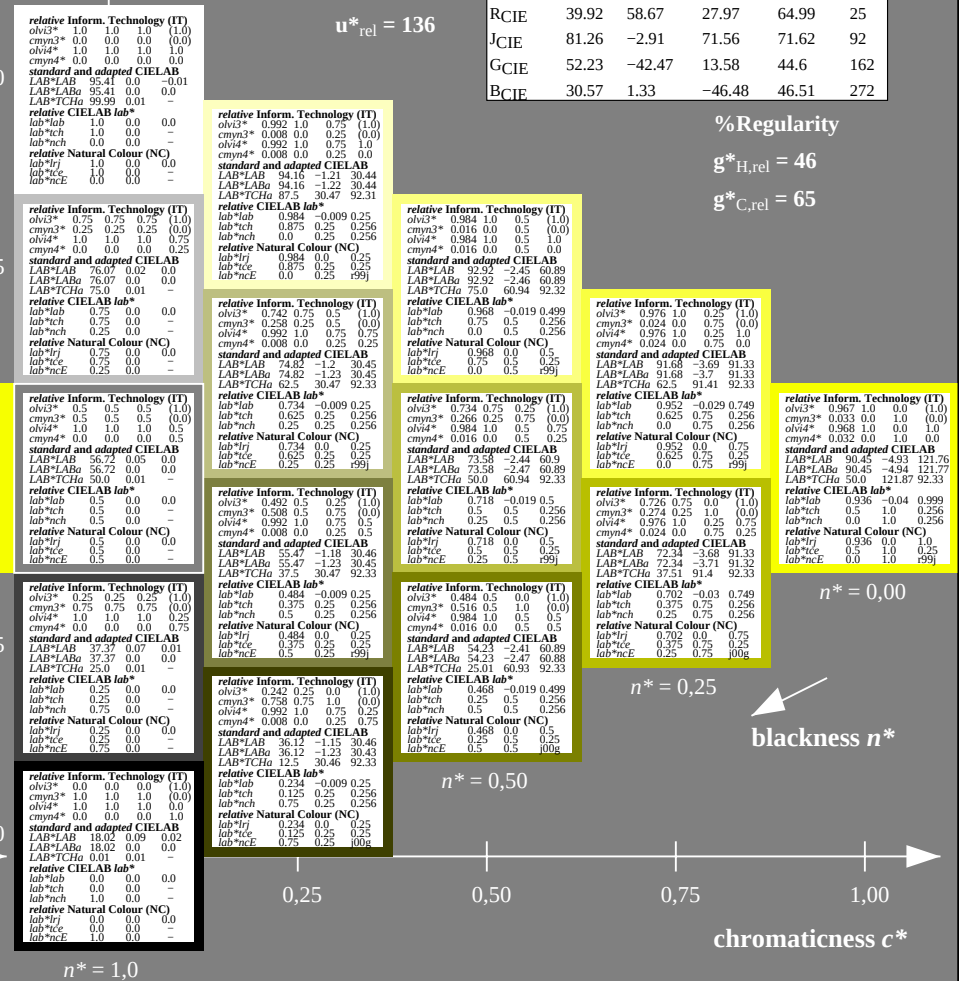
triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00



$n^* = 1,0$

5 step scales for constant CIE LAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

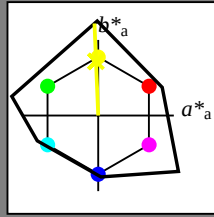
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

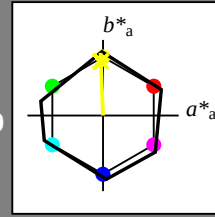
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ma}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TC _{Ma}	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TC _{Ma}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*TC _{Ma}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*TC _{Ma}	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	0.994	1.0	0.75	(1.0)	
cmyn3*	0.006	0.0	0.25	(0.0)	
olvi4*	0.994	1.0	0.75	(1.0)	
cmyn4*	0.006	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.85	-0.81	20.72		
LAB*LABa	84.85	-0.82	20.72		
LAB*TC _{Ma}	87.5	20.73	92.31		
relative CIELAB lab*					
lab*lab	0.875	-0.009	0.25		
lab*tch	0.875	0.0	0.256		
lab*nch	0.0	0.25	0.256		
relative Natural Colour (NC)					
lab*trj	0.875	0.0	0.25		
lab*tce	0.875	0.25	0.25		
lab*nce	0.0	0.25	0.99		

relative Inform. Technology (IT)					
olvi3*	0.744	0.75	0.5	(1.0)	
cmyn3*	0.256	0.25	0.5	(0.0)	
olvi4*	0.984	1.0	0.75	(1.0)	
cmyn4*	0.006	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.75	-0.8	20.73		
LAB*LABa	63.75	-0.83	20.72		
LAB*TC _{Ma}	62.5	20.74	92.33		
relative CIELAB lab*					
lab*lab	0.625	-0.009	0.25		
lab*tch	0.625	0.25	0.256		
lab*nch	0.25	0.25	0.256		
relative Natural Colour (NC)					
lab*trj	0.625	0.0	0.25		
lab*tce	0.625	0.25	0.25		
lab*nce	0.25	0.25	0.99		

relative Inform. Technology (IT)					
olvi3*	0.494	0.5	0.25	(1.0)	
cmyn3*	0.506	0.5	0.25	(0.0)	
olvi4*	0.984	1.0	0.75	(1.0)	
cmyn4*	0.006	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.2	-1.63	41.45		
LAB*LABa	53.2	-1.68	41.44		
LAB*TC _{Ma}	50.0	41.47	92.33		
relative CIELAB lab*					
lab*lab	0.5	-0.019	0.5		
lab*tch	0.5	0.5	0.256		
lab*nch	0.25	0.5	0.256		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.5		
lab*tce	0.5	0.5	0.25		
lab*nce	0.25	0.5	0.99		

relative Inform. Technology (IT)				
olvi3*	0.244	0.25	0.0	(1.0)
cmyn3*	0.756	0.75	1.0	(0.0)
olvi4*	0.994	1.0	0.75	(1.0)
cmyn4*	0.006	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.55	-0.76	20.73	
LAB*LABa	21.55	-0.83	20.71	
LAB*TC _{Ma}	12.5	20.73	92.33	
relative CIELAB lab*				
lab*lab	0.125	-0.009	0.25	
lab*tch	0.125	0.25	0.256	
lab*nch	0.75	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.125	0.0	0.25	
lab*tce	0.125	0.25	0.25	
lab*nce	0.75	0.25	0.99	

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

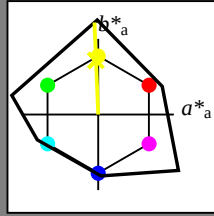
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 92/360 = 0.256$

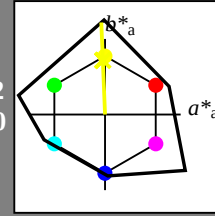
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

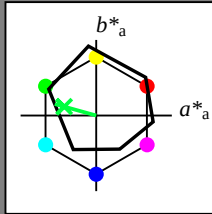
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

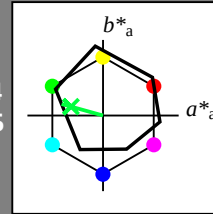
$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

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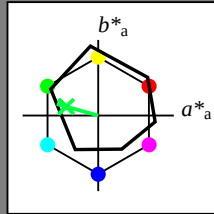
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

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Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness

1,00

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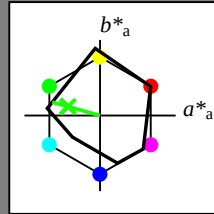
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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
CMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

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$g^*_{C,rel} = 52$

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$g^*_{C,rel} = 52$

% Regularity

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$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

% Regularity

$g^*_{H,rel} = 41$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

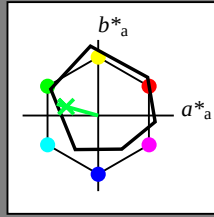
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

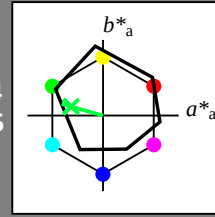
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

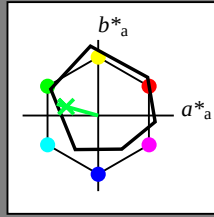
1,00

0,25

0,50

0,75

1,00



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

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1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

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0,75

1,00

0,25

0,50

0,75

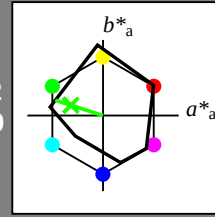
1,00

0,25

0,50

0,75

1,00



MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

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1,00

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

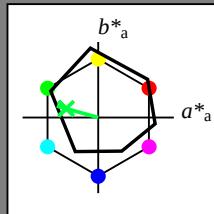
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

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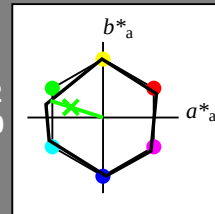
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

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TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

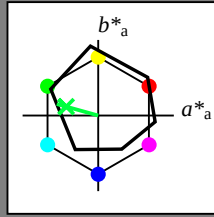
LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

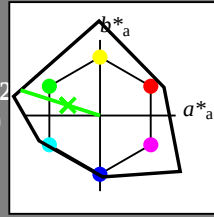
LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

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$n^* =$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

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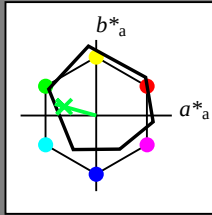
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

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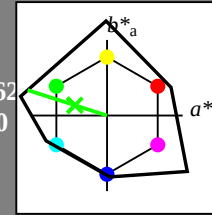
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% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
CMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

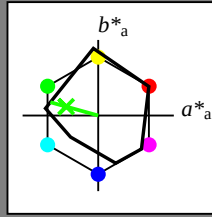
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

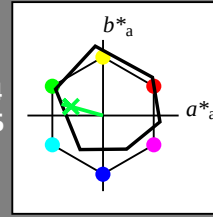
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

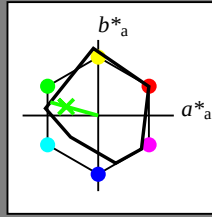
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

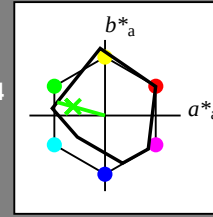
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

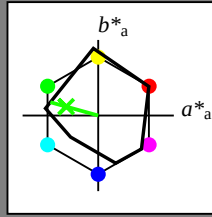
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

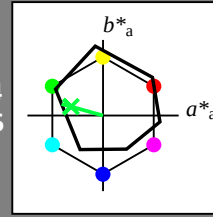
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

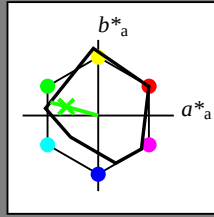
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

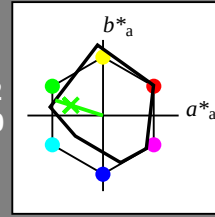
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

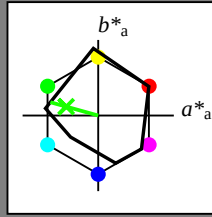
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

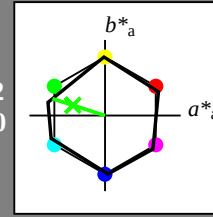
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

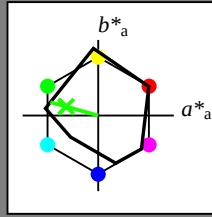
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

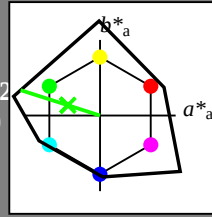
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

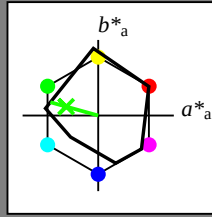
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

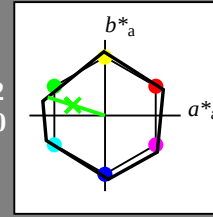
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	-0.01	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0	0.0
LAB*LABa	74.31	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	63.75	0.0	0.0	0.0	0.0
LAB*LABa	63.75	0.0	0.0	0.0	0.0
LAB*LABb	63.75	0.0	0.0	0.0	0.0
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.625	0.0	0.0	0.0	0.0
lab*tch	0.625	0.0	0.0	0.0	0.0
lab*nch	0.625	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.625	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	53.21	0.0	0.0	0.0	0.0
LAB*LABa	53.21	0.0	0.0	0.0	0.0
LAB*LABb	53.21	0.0	0.0	0.0	0.0
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	42.65	0.0	0.0	0.0	0.0
LAB*LABa	42.65	0.0	0.0	0.0	0.0
LAB*LABb	42.65	0.0	0.0	0.0	0.0
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.375	0.0	0.0	0.0	0.0
lab*tch	0.375	0.0	0.0	0.0	0.0
lab*nch	0.375	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.375	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	32.11	0.0	0.0	0.0	0.0
LAB*LABa	32.11	0.0	0.0	0.0	0.0
LAB*LABb	32.11	0.0	0.0	0.0	0.0
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	25.0	0.0	0.0	0.0	0.0
LAB*LABa	25.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.125	0.0	0.0	0.0	0.0
lab*tch	0.125	0.0	0.0	0.0	0.0
lab*nch	0.125	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.125	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	11.01	0.0	0.0	0.0	0.0
LAB*LABa	11.01	0.0	0.0	0.0	0.0
LAB*LABb	11.01	0.0	0.0	0.0	0.0
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

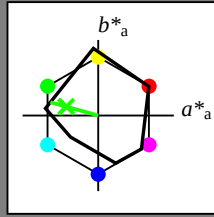
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

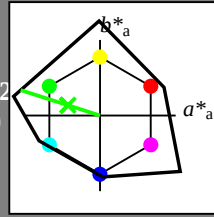
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

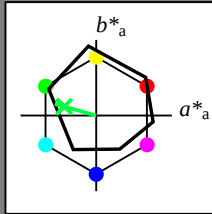
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

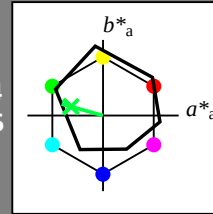
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

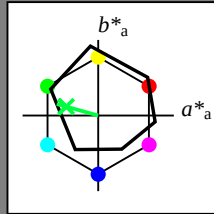
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

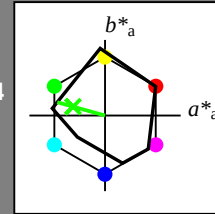
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
CMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

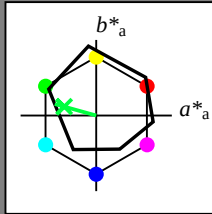
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

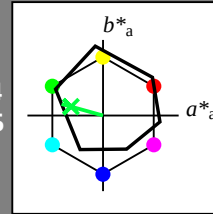
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

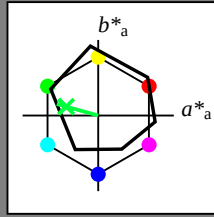
$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

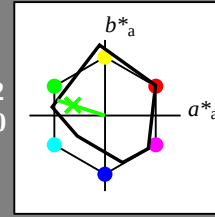
$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
CMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

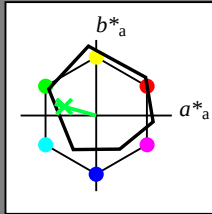
$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

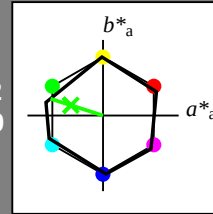
$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

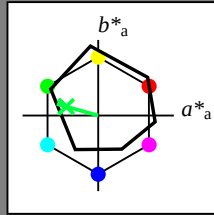
LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

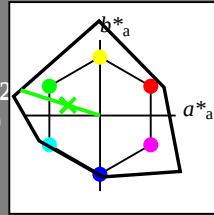
LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

$n^* = 0,00$

0,25

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

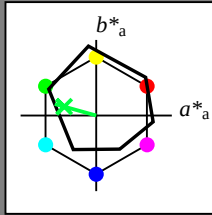
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

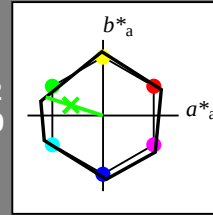
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

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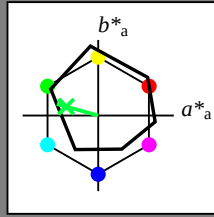
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

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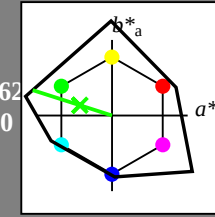
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% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

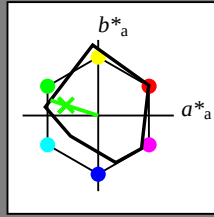
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

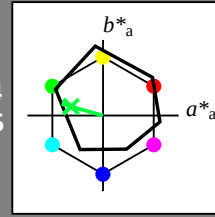
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness

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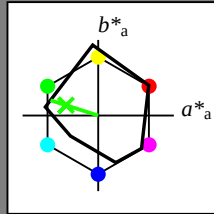
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% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

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Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness

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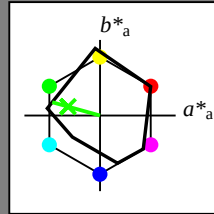
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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

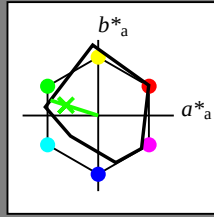
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

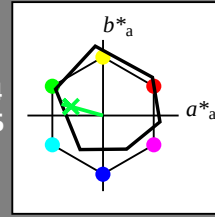
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

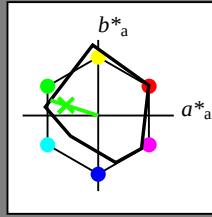
D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*ch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*ch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*ch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.1	0.02	0.0	0.0
LAB*LABa	18.02	0.1	0.02	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

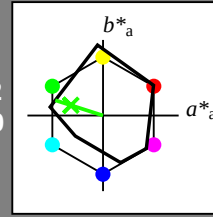
D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)					
olvi3*	0.777	1.0	0.75	1.0	1.0
cmyn3*	0.223	0.0	0.25	0.0	0.0
olvi4*	0.777	1.0	0.75	1.0	1.0
cmyn4*	0.223	0.0	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	85.63	-15.74	5.05	0.0	0.0
LAB*LABa	85.63	-15.74	5.05	0.0	0.0
LAB*TCHa	87.5	16.56	162.26	0.01	-
relative CIELAB lab*					
lab*lab	0.874	-0.237	0.076	0.0	0.0
lab*ch	0.874	-0.237	0.076	0.0	0.0
lab*nch	0.0	0.25	0.451	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.874	-0.237	0.076	0.0	0.0
lab*nce	0.0	0.25	0.451	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.527	0.75	0.5	0.5	0.5
cmyn3*	0.473	0.25	0.5	0.5	0.5
olvi4*	0.527	0.75	0.5	0.5	0.5
cmyn4*	0.223	0.0	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	66.25	-15.73	5.06	0.0	0.0
LAB*LABa	66.25	-15.73	5.06	0.0	0.0
LAB*TCHa	62.5	16.57	162.27	0.01	-
relative CIELAB lab*					
lab*lab	0.624	-0.237	0.076	0.0	0.0
lab*ch	0.624	-0.237	0.076	0.0	0.0
lab*nch	0.25	0.25	0.451	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.624	-0.237	0.076	0.0	0.0
lab*nce	0.25	0.25	0.451	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.304	0.75	0.5	0.5	0.5
cmyn3*	0.696	0.25	0.75	0.0	0.0
olvi4*	0.304	0.75	0.5	0.5	0.5
cmyn4*	0.446	0.0	0.5	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	56.51	-31.5	10.11	0.0	0.0
LAB*LABa	56.51	-31.5	10.11	0.0	0.0
LAB*TCHa	50.0	33.13	162.27	0.01	-
relative CIELAB lab*					
lab*lab	0.497	-0.475	0.152	0.0	0.0
lab*ch	0.497	-0.475	0.152	0.0	0.0
lab*nch	0.25	0.5	0.451	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.497	-0.475	0.152	0.0	0.0
lab*nce	0.25	0.5	0.451	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.277	0.5	0.25	0.5	0.5
cmyn3*	0.723	0.5	0.75	0.0	0.0
olvi4*	0.277	0.5	0.25	0.5	0.5
cmyn4*	0.223	0.0	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	46.93	-15.71	5.06	0.0	0.0
LAB*LABa	46.93	-15.71	5.06	0.0	0.0
LAB*TCHa	37.5	16.57	162.27	0.01	-
relative CIELAB lab*					
lab*lab	0.374	-0.237	0.076	0.0	0.0
lab*ch	0.374	-0.237	0.076	0.0	0.0
lab*nch	0.5	0.25	0.451	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.374	-0.237	0.076	0.0	0.0
lab*nce	0.5	0.25	0.451	0.0	0.0

relative CIELAB <i>lab*</i>				
<i>lab*lab</i>	0.124	-0.237	0.076	
<i>lab*tc</i>	0.125	0.25	0.451	
<i>lab*nch</i>	0.75	0.25	0.451	
relative Natural Colour (NC)				
<i>lab*lr</i>	0.124	-0.249	0.0	
<i>lab*rc</i>	0.125	0.25	0.5	
<i>lab*ncE</i>	0.75	0.25	g00b	

0,25

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

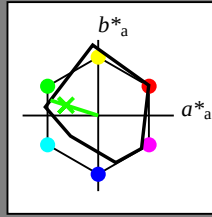
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

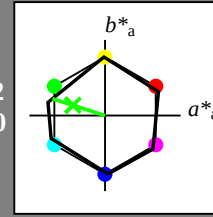
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

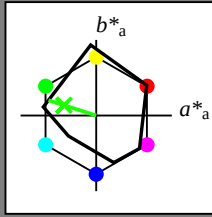
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

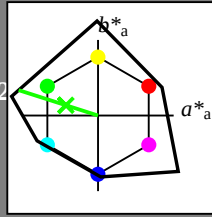
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

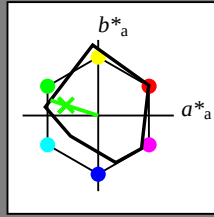
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut
 $u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

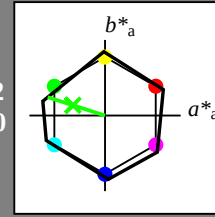
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut
 $u^*_{rel} = 119$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness

1,00

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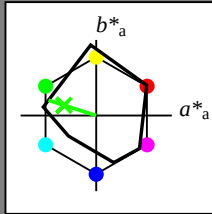
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% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

$n^* = 0,50$

$n^* = 0,25$

chromaticness c^*

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

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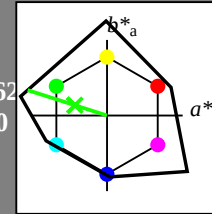
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% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

$n^* = 0,50$

$n^* = 0,25$

chromaticness c^*

$n^* = 1,0$

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

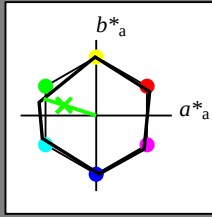
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

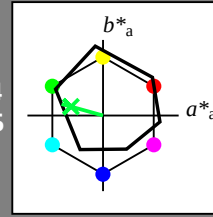
relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

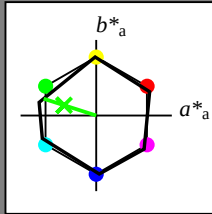
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

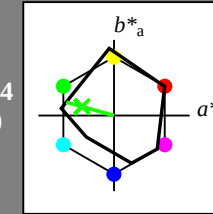
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

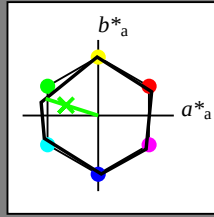
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

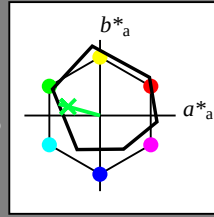
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

↑

% Gamut

$u^*_{rel} = 92$

%Regularity

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

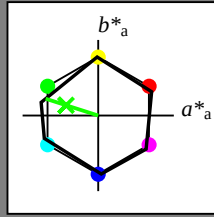
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

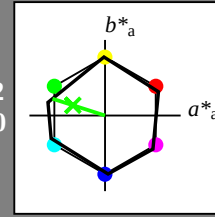
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

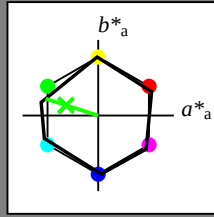
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

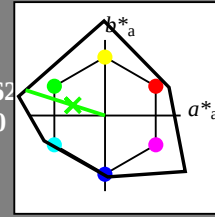
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

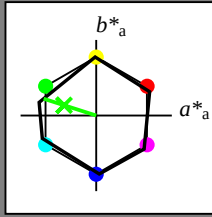
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

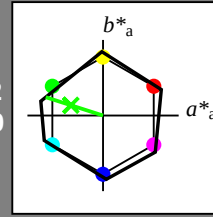
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

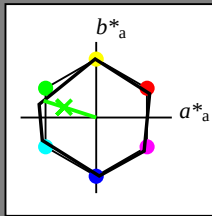
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

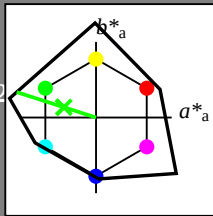
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

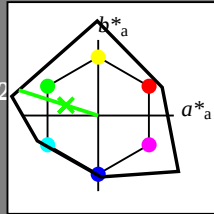
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 136$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

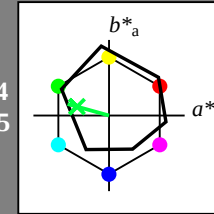
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

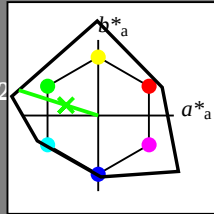
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

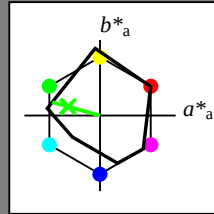
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

1,00

0,75

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

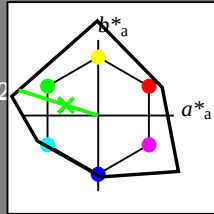
$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

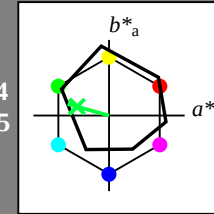
$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

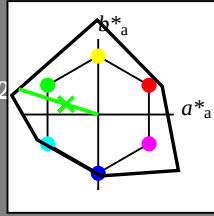
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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0,00

NCS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

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Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

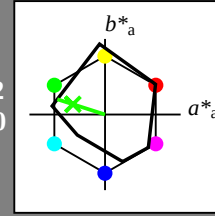
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

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MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

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0,00

0,00

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

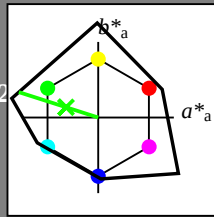
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

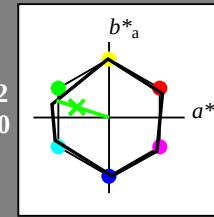
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

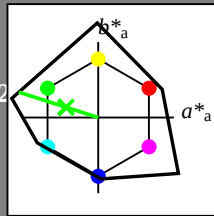
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 136$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

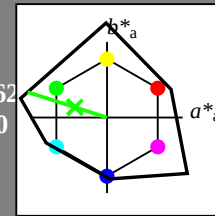
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 136$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

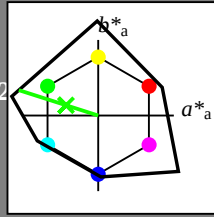
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 136$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

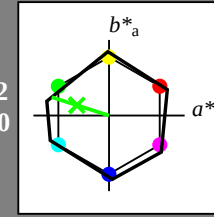
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TCHa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TCHa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*TCHa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*TCHa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

relative Inform. Technology (IT)					
olvi3*	0.77	1.0	0.75	(1.0)	
cmyn3*	0.23	0.0	0.25	(0.0)	
olvi4*	0.77	1.0	0.75	(1.0)	
cmyn4*	0.23	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.85	-18.91	6.06		
LAB*LABa	84.85	-18.92	6.06		
LAB*TCHa	87.5	19.88	162.25		
relative CIELAB lab*					
lab*lab	0.875	-0.237	0.076		
lab*ch	0.875	0.25	0.451		
lab*nch	0.0	0.25	0.451		
relative Natural Colour (NC)					
lab*trj	0.875	0.25	0.451		
lab*nce	0.0	0.25	0.451		

relative Inform. Technology (IT)					
olvi3*	0.54	1.0	0.5	(1.0)	
cmyn3*	0.46	0.0	0.5	(0.0)	
olvi4*	0.54	1.0	0.5	(1.0)	
cmyn4*	0.46	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.3	-37.84	12.13		
LAB*LABa	74.3	-37.87	12.12		
LAB*TCHa	75.0	39.77	162.25		
relative CIELAB lab*					
lab*lab	0.75	-0.475	0.152		
lab*ch	0.75	0.5	0.451		
lab*nch	0.0	0.5	0.451		
relative Natural Colour (NC)					
lab*trj	0.75	-0.475	0.152		
lab*nce	0.0	0.5	0.451		

relative Inform. Technology (IT)					
olvi3*	0.29	0.75	0.25	(1.0)	
cmyn3*	0.71	0.25	0.75	(0.0)	
olvi4*	0.54	1.0	0.5	(1.0)	
cmyn4*	0.46	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.2	-37.83	12.13		
LAB*LABa	53.2	-37.87	12.12		
LAB*TCHa	50.0	39.78	162.25		
relative CIELAB lab*					
lab*lab	0.5	-0.475	0.152		
lab*ch	0.5	0.5	0.451		
lab*nch	0.25	0.5	0.451		
relative Natural Colour (NC)					
lab*trj	0.5	-0.475	0.152		
lab*nce	0.25	0.5	0.451		

relative Inform. Technology (IT)					
olvi3*	0.04	0.5	0.0	(1.0)	
cmyn3*	0.96	0.5	1.0	(0.0)	
olvi4*	0.54	1.0	0.5	(1.0)	
cmyn4*	0.46	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.1	-37.81	12.13		
LAB*LABa	32.1	-37.87	12.12		
LAB*TCHa	25.01	39.77	162.27		
relative CIELAB lab*					
lab*lab	0.25	-0.475	0.152		
lab*ch	0.25	0.5	0.451		
lab*nch	0.5	0.5	0.451		
relative Natural Colour (NC)					
lab*trj	0.25	-0.475	0.152		
lab*nce	0.25	0.5	0.451		

relative Inform. Technology (IT)					
olvi3*	0.02	0.25	0.0	(1.0)	
cmyn3*	0.98	0.75	1.0	(0.0)	
olvi4*	0.77	1.0	0.75	(1.0)	
cmyn4*	0.23	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	21.55	-18.86	6.07		
LAB*LABa	21.55	-18.93	6.05		
LAB*TCHa	12.5	19.89	162.28		</

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

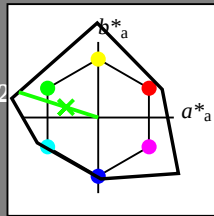
1,00

0,25

0,50

0,75

1,00



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

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0,75

1,00

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

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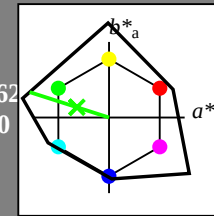
1,00

0,25

0,50

0,75

1,00



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

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1,00

0,25

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0,50

0,75

1,00

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

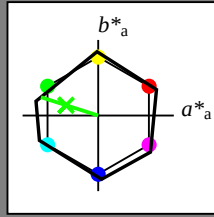
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

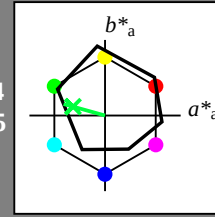
0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

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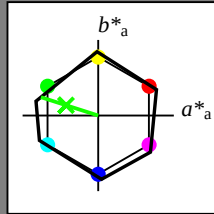
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,75

0,75

0,75

0,75

0,75

0,75

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Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness

1,00

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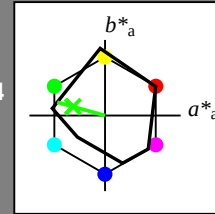
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% Gamut

$u^*_{rel} = 91$

1,00

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MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,75

0,75

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TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

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0,50

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blackness n^*

chromaticness c^*

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blackness n^*

chromaticness c^*

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blackness n^*

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chromaticness c^*

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blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

5 step scales for constant CIELAB hue $162/360 = 0.451$ (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

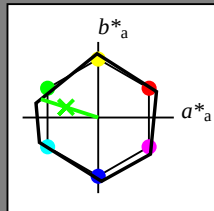
0,25

0,50

0,75

1,00

chromaticness c^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

chromaticness c^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

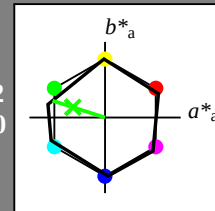
0,25

0,50

0,75

1,00

chromaticness c^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

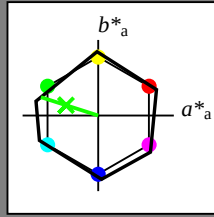
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

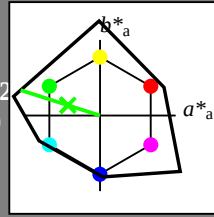
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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0,50

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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0,50

0,75

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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0,50

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chromaticness c^*

blackness n^*

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0,50

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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blackness n^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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blackness n^*

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0,75

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,25

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

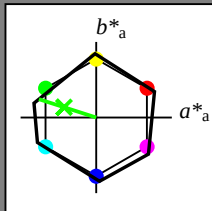
% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,25

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,25

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

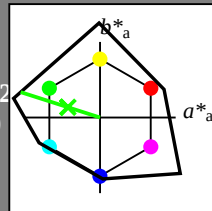
% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,25

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,00

↑

% Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

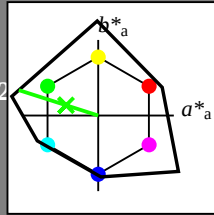
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

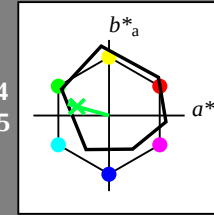
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

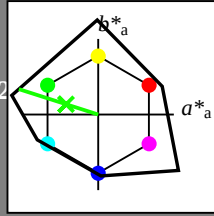
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

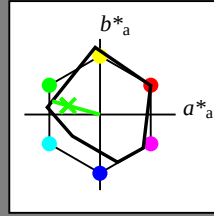
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

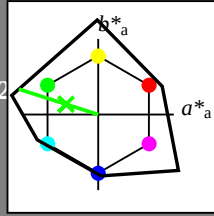
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

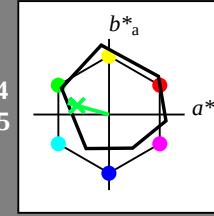
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness



% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

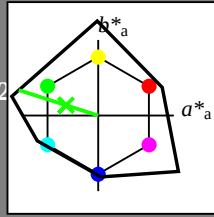
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

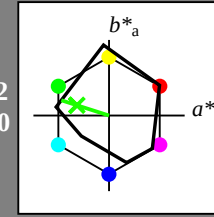
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

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$n^* = 0,00$

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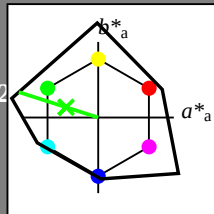
$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

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$n^* = 1,00$

$n^* = 1,00$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

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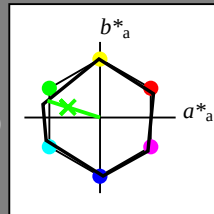
$n^* = 0,00$

$n^* = 0,00$

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$n^* = 0,00$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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$n^* = 0,00$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

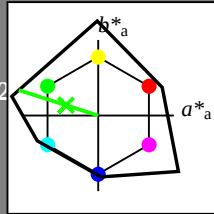
D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

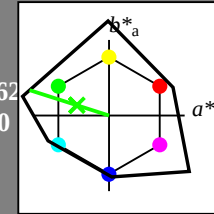
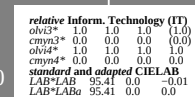
D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

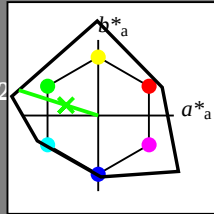
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

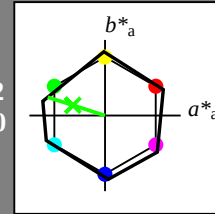
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0
cmyn3* 0.0 0.0 0.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75
cmyn3* 0.25 0.25 0.25
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5
cmyn3* 0.5 0.5 0.5
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25
cmyn3* 0.75 0.75 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0
cmyn3* 1.0 1.0 1.0
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3* 0.77 1.0 0.75
cmyn3* 0.23 0.0 0.25
olvi4* 0.77 1.0 0.75
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 84.85 -18.91 6.06
LAB*LABa 84.85 -18.92 6.06
LAB*TCHa 87.5 19.88 162.25

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75
cmyn3* 0.25 0.25 0.25
olvi4* 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.52 0.75 0.5
cmyn3* 0.48 0.25 0.5
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 63.75 18.9 6.07
LAB*LABa 63.75 -18.93 6.06
LAB*TCHa 62.5 19.89 162.25

relative Inform. Technology (IT)

olvi3* 0.29 0.75 0.25
cmyn3* 0.71 0.25 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 53.2 -37.83 12.13
LAB*LABa 53.2 -37.87 12.12
LAB*TCHa 50.0 39.77 162.25

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 42.65 -18.88 6.08
LAB*LABa 42.65 -18.93 6.06
LAB*TCHa 37.5 19.89 162.25

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.54 1.0 0.5
cmyn3* 0.46 0.0 0.5
olvi4* 0.54 1.0 0.5
cmyn4* 0.46 0.0 0.5
standard and adapted CIELAB
LAB*LAB 74.3 -37.84 12.13
LAB*LABa 74.3 -37.87 12.12
LAB*TCHa 75.0 39.77 162.25

relative Inform. Technology (IT)

olvi3* 0.54 1.0 0.5
cmyn3* 0.46 0.0 0.5
olvi4* 0.54 1.0 0.5
cmyn4* 0.46 0.0 0.5
standard and adapted CIELAB
LAB*LAB 74.3 -37.84 12.13
LAB*LABa 74.3 -37.87 12.12
LAB*TCHa 75.0 39.77 162.25

relative Inform. Technology (IT)

olvi3* 0.52 0.75 0.5
cmyn3* 0.48 0.25 0.5
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 63.75 18.9 6.07
LAB*LABa 63.75 -18.93 6.06
LAB*TCHa 62.5 19.89 162.25

relative Inform. Technology (IT)

olvi3* 0.29 0.75 0.25
cmyn3* 0.71 0.25 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 53.2 -37.83 12.13
LAB*LABa 53.2 -37.87 12.12
LAB*TCHa 50.0 39.77 162.25

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 42.65 -18.88 6.08
LAB*LABa 42.65 -18.93 6.06
LAB*TCHa 37.5 19.89 162.25

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.27 0.5 0.25
cmyn3* 0.73 0.5 0.75
olvi4* 1.0 1.0 1.0
cmyn4* 0.23 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)

olvi3* 0.31 1.0 0.25
cmyn3* 0.69 0.0 0.75
olvi4* 0.31 1.0 0.25
cmyn4* 0.69 0.0 0.75
standard and adapted CIELAB
LAB*LAB 63.75 -56.77 18.19
LAB*LABa 63.75 -56.81 18.18
LAB*TCHa 62.5 59.66 162.25

relative Inform. Technology (IT)

olvi3* 0.31 1.0 0.25
cmyn3* 0.69 0.0 0.75
olvi4* 0.31 1.0 0.25
cmyn4* 0.69 0.0 0.75
standard and adapted CIELAB
LAB*LAB 63.75 -56.77 18.19
LAB*LABa 63.75 -56.81 18.18
LAB*TCHa 62.5 59.66 162.25

relative Inform. Technology (IT)

olvi3* 0.31 1.0 0.25
cmyn3* 0.69 0.0 0.75
olvi4* 0.31 1.0 0.25
cmyn4* 0.69 0.0 0.75
standard and adapted CIELAB
LAB*LAB 63.75 -56.77 18.19
LAB*LABa 63.75 -56.81 18.18
LAB*TCHa 62.5 59.66 162.25

relative Inform. Technology (IT)

olvi3* 0.31 1.0 0.25
cmyn3* 0.69 0.0 0.75
olvi4* 0.31 1.0 0.25
cmyn4* 0.69 0.0 0.75
standard and adapted CIELAB
LAB*LAB 63.75 -56.77 18.19
LAB*LABa 63.75 -56.81 18.18
LAB*TCHa 62.5 59.66 162.25

relative Inform. Technology (IT)

olvi3* 0.31 1.0 0.25
cmyn3* 0.69 0.0 0.75
olvi4* 0.31 1.0 0.25
cmyn4* 0.69 0.0 0.75
standard and adapted CIELAB
LAB*LAB 63.75 -56.77 18.19
LAB*LABa 63.75 -56.81 18.18
LAB*TCHa 62.5 59.66 162.25

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

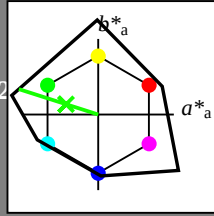
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

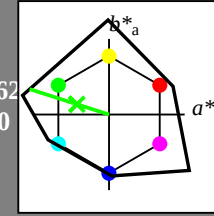
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

triangle lightness

triangle lightness

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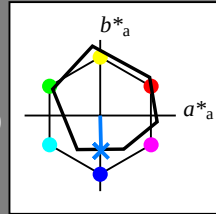
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

0,00

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

triangle lightness

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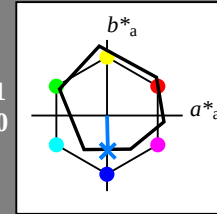
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

0,00

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

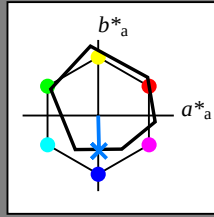
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

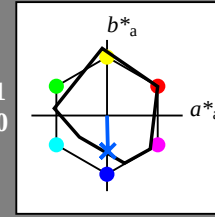
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

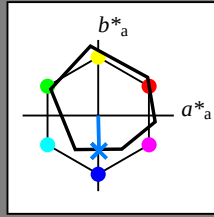
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

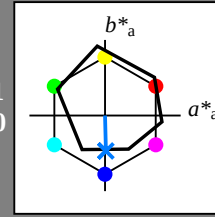
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

triangle lightness

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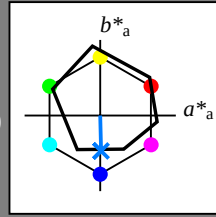
triangle lightness

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ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness

1,00

triangle lightness

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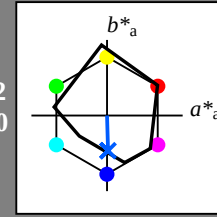
triangle lightness

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MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Gamut

$u^*_{rel} = 92$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

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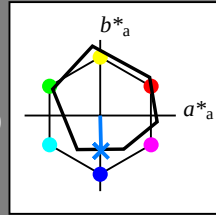
triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

0,50

1,00

chromaticness c^*

blackness n^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

triangle lightness

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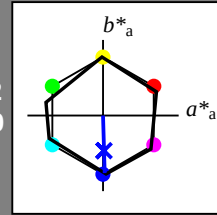
triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

$n^* = 0,00$

0,25

0,50

1,00

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

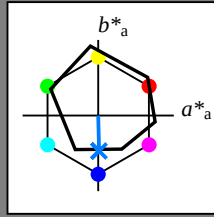
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

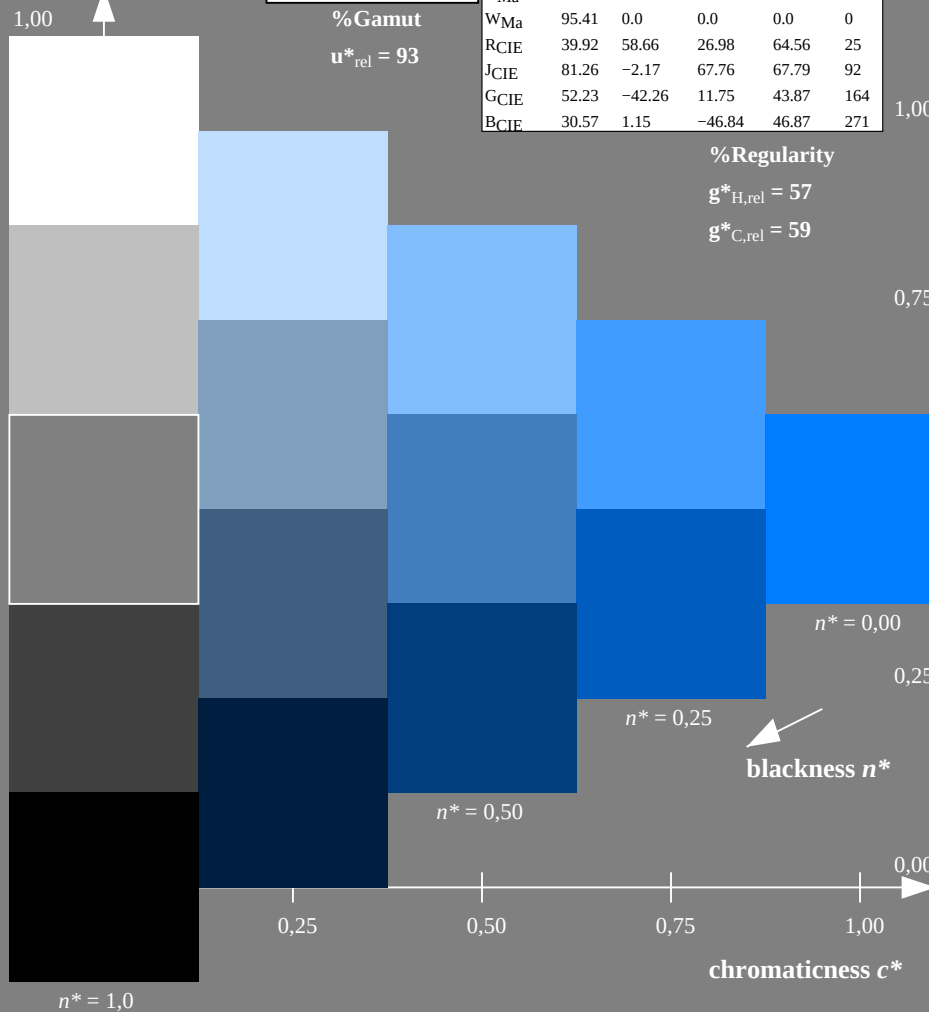
rgb*Ma: 0.0 0.49 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$



TE400-7, 5 step scales for constant CIE LAB hue 271/360 = 0.754 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

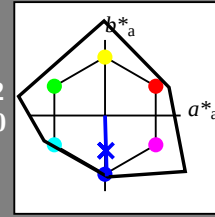
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

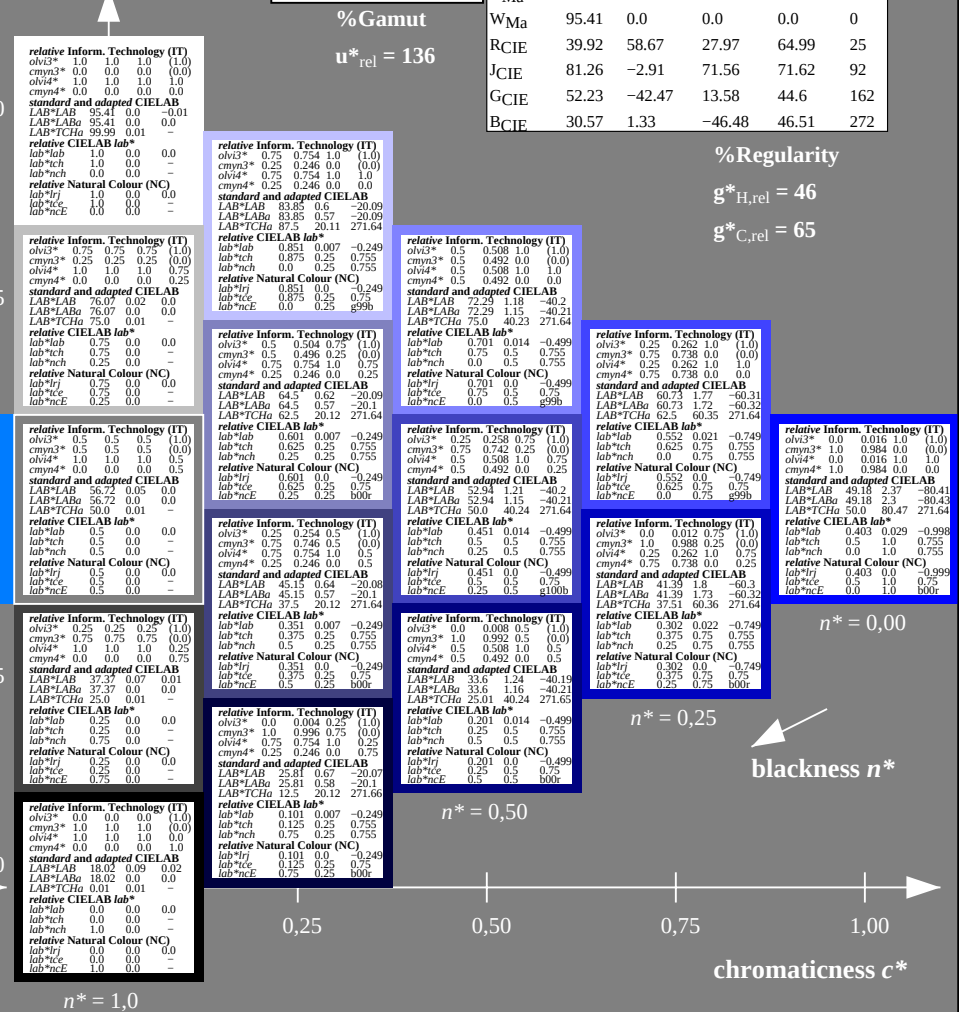
rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$



5 step scales for constant CIE LAB hue 272/360 = 0.755 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.02	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*LABb	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*LABb	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01		
LAB*LABa	37.37	0.0	0.0		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.754	1.0	(1.0)	
cmyn3*	0.25	0.246	0.0	(0.0)	
olvi4*	0.75	0.754	1.0	(1.0)	
cmyn4*	0.25	0.246	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.85	0.6	-20.09		
LAB*LABa	83.85	0.57	-20.09		
LAB*LABb	87.5	20.11	271.64		
relative CIELAB lab*					
lab*lab	0.851	0.007	-0.249		
lab*tch	0.875	0.0	0.755		
lab*nch	0.0	0.25	0.755		
relative Natural Colour (NC)					
lab*trj	0.851	0.0	-0.249		
lab*tce	0.875	0.25	0.755		
lab*nce	0.0	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.5	0.504	0.75	(1.0)	
cmyn3*	0.5	0.496	0.25	(0.0)	
olvi4*	0.75	0.754	1.0	(1.0)	
cmyn4*	0.25	0.246	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.5	0.02	-20.09		
LAB*LABa	64.5	0.57	-20.1		
LAB*LABb	62.5	20.12	271.64		
relative CIELAB lab*					
lab*lab	0.601	0.007	-0.249		
lab*tch	0.625	0.25	0.755		
lab*nch	0.25	0.25	0.755		
relative Natural Colour (NC)					
lab*trj	0.601	0.0	-0.249		
lab*tce	0.625	0.25	0.755		
lab*nce	0.25	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.25	0.254	0.5	(1.0)	
cmyn3*	0.75	0.746	0.5	(0.0)	
olvi4*	0.75	0.754	1.0	(1.0)	
cmyn4*	0.25	0.246	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	45.15	0.64	-20.08		
LAB*LABa	45.15	0.57	-20.1		
LAB*LABb	37.5	20.12	271.64		
relative CIELAB lab*					
lab*lab	0.351	0.007	-0.249		
lab*tch	0.375	0.25	0.755		
lab*nch	0.5	0.25	0.755		
relative Natural Colour (NC)					
lab*trj	0.351	0.0	-0.249		
lab*tce	0.375	0.25	0.755		
lab*nce	0.5	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.0	0.004	0.25	(1.0)	
cmyn3*	1.0	0.996	0.75	(0.0)	
olvi4*	0.75	0.754	1.0	(1.0)	
cmyn4*	0.25	0.246	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	25.81	0.67	-20.07		
LAB*LABa	25.81	0.58	-20.1		
LAB*LABb	12.5	20.12	271.64		
relative CIELAB lab*					
lab*lab	0.101	0.007	-0.249		
lab*tch	0.125	0.25	0.755		
lab*nch	0.75	0.25	0.755		
relative Natural Colour (NC)					
lab*trj	0.101	0.0	-0.249		
lab*tce	0.125	0.25	0.755		
lab*nce	0.75	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.0	0.008	0.5	(1.0)	
cmyn3*	1.0	0.992	0.5	(0.0)	
olvi4*	0.5	0.508	1.0	(1.0)	
cmyn4*	0.5	0.492	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	33.6	1.24	-40.19		
LAB*LABa	33.6	1.16	-40.21		
LAB*LABb	25.01	40.24	271.64		
relative CIELAB lab*					
lab*lab	0.201	0.014	-0.499		
lab*tch	0.25	0.5	0.755		
lab*nch	0.5	0.5	0.755		
relative Natural Colour (NC)					
lab*trj	0.201	0.0	-0.499		
lab*tce	0.25	0.5	0.755		
lab*nce	0.5	0.5	0.996		

relative Inform. Technology (IT)				
olvi3*	0.5	0.508	1.0	(1.0)
cmyn3*	0.5	0.492	0.0	(0.0)
olvi4*	0.5	0.508	1.0	1.0
cmyn4*	0.5	0.492	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	72.29	1.18	-40.2	
LAB*LABa	72.29	1.15	-40.21	
LAB*TCRa	75.0	40.23	271.64	

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

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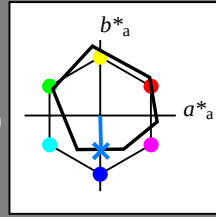
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ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

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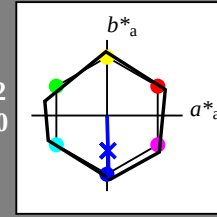
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NRS11; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

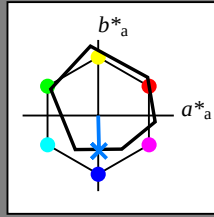
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

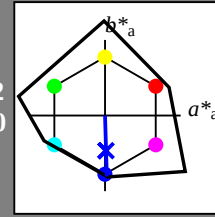
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

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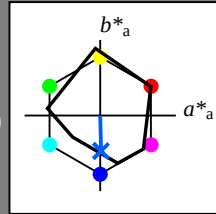
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% Gamut

$u^*_{rel} = 91$

MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

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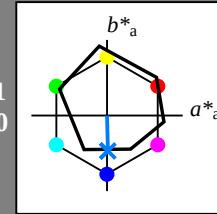
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

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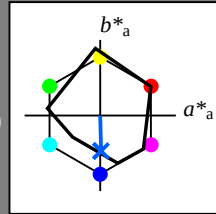
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MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

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0,75

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

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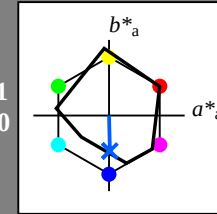
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MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

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0,75

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TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

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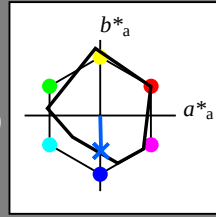
1,00

0,25

0,50

0,75

1,00



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

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0,75

1,00

0,25

0,50

0,75

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

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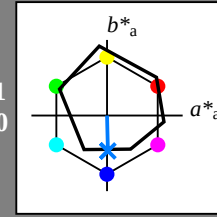
1,00

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0,75

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TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

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1,00

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TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

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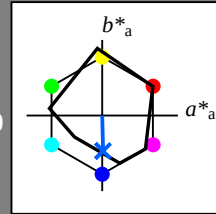
triangle lightness

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MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

%Regularity

%Regularity

%Regularity

%Regularity

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Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness

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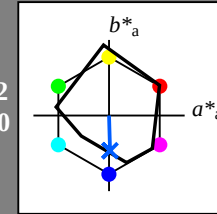
triangle lightness

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MRS18a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Regularity

%Regularity

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TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

triangle lightness

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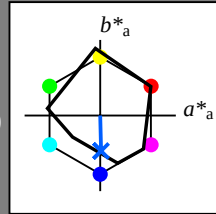
triangle lightness

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MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$g^*_{C,rel} = 65$

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$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

triangle lightness

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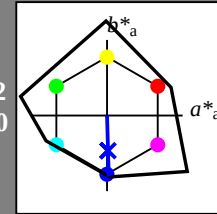
triangle lightness

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NCS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

$g^*_{H,rel} = 46$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

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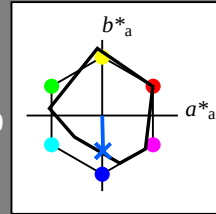
triangle lightness

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MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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$g^*_{H,rel} = 41$

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$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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$g^*_{H,rel} = 41$

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%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

$g^*_{H,rel} = 41$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

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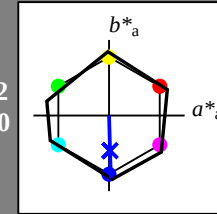
triangle lightness

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NRS11; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

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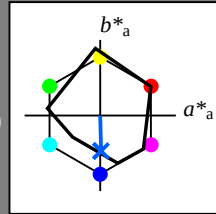
triangle lightness

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MRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularity

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Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

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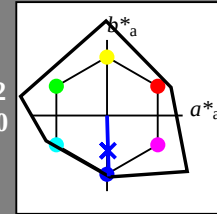
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NCS11; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularity

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%Regularity

%Regularity

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TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

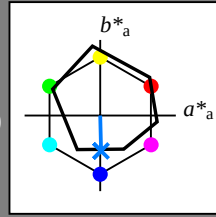
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

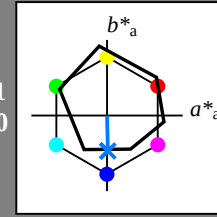
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

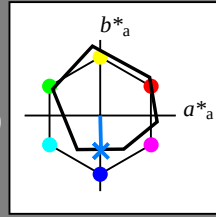
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

1,00

0,75

0,25

0,00

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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blackness n^*

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chromaticness c^*

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chromaticness c^*

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blackness n^*

chromaticness c^*

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chromaticness c^*

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blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

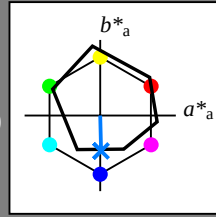
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

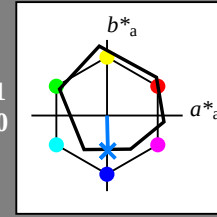
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

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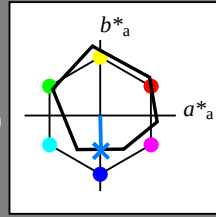
triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness

1,00

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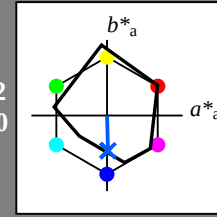
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% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

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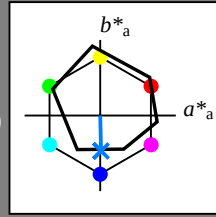
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

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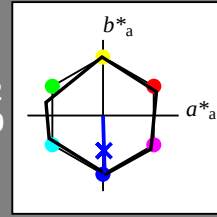
triangle lightness

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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

0,50

0,75

1,00

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

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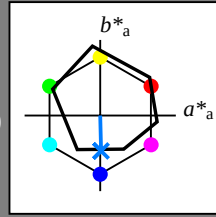
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% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

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Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

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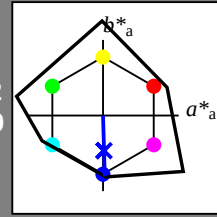
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% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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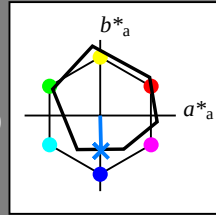
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

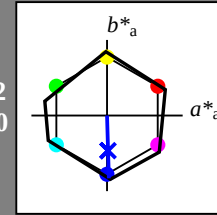
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS11; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

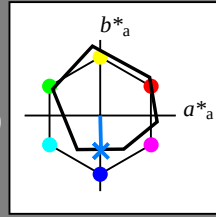
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

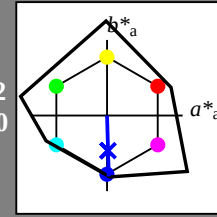
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
CMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

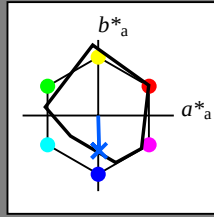
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

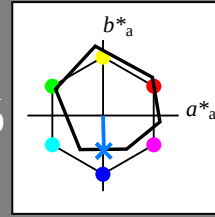
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

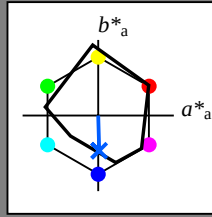
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

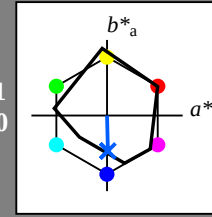
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

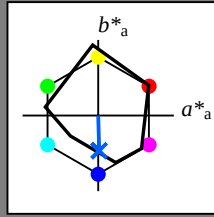
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

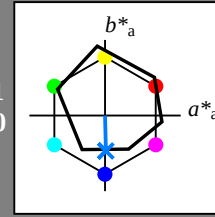
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

% Gamut

$u^*_{rel} = 93$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

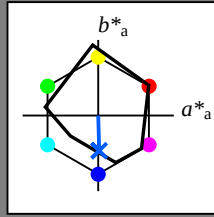
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

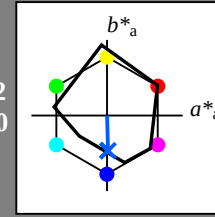
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

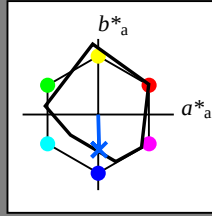
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

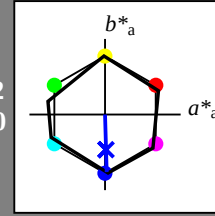
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

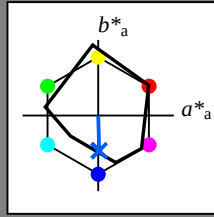
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

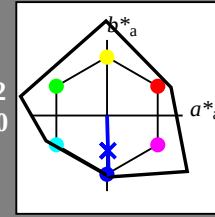
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

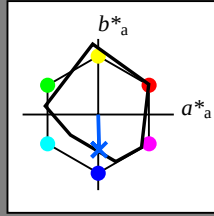
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

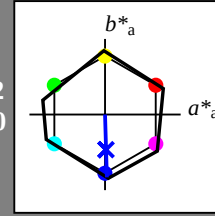
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

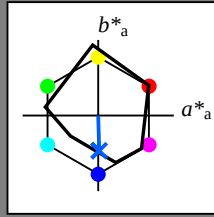
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

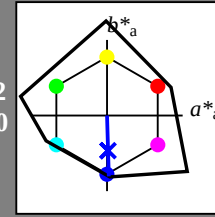
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

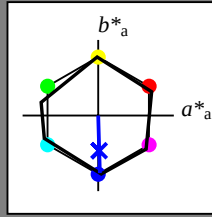
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

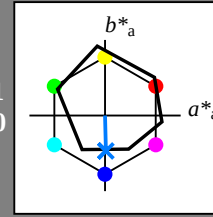
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

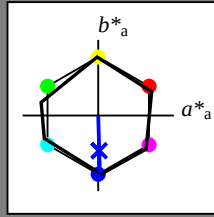
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

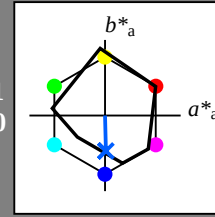
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

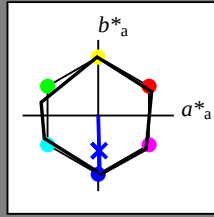
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

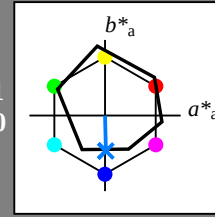
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

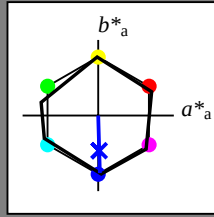
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

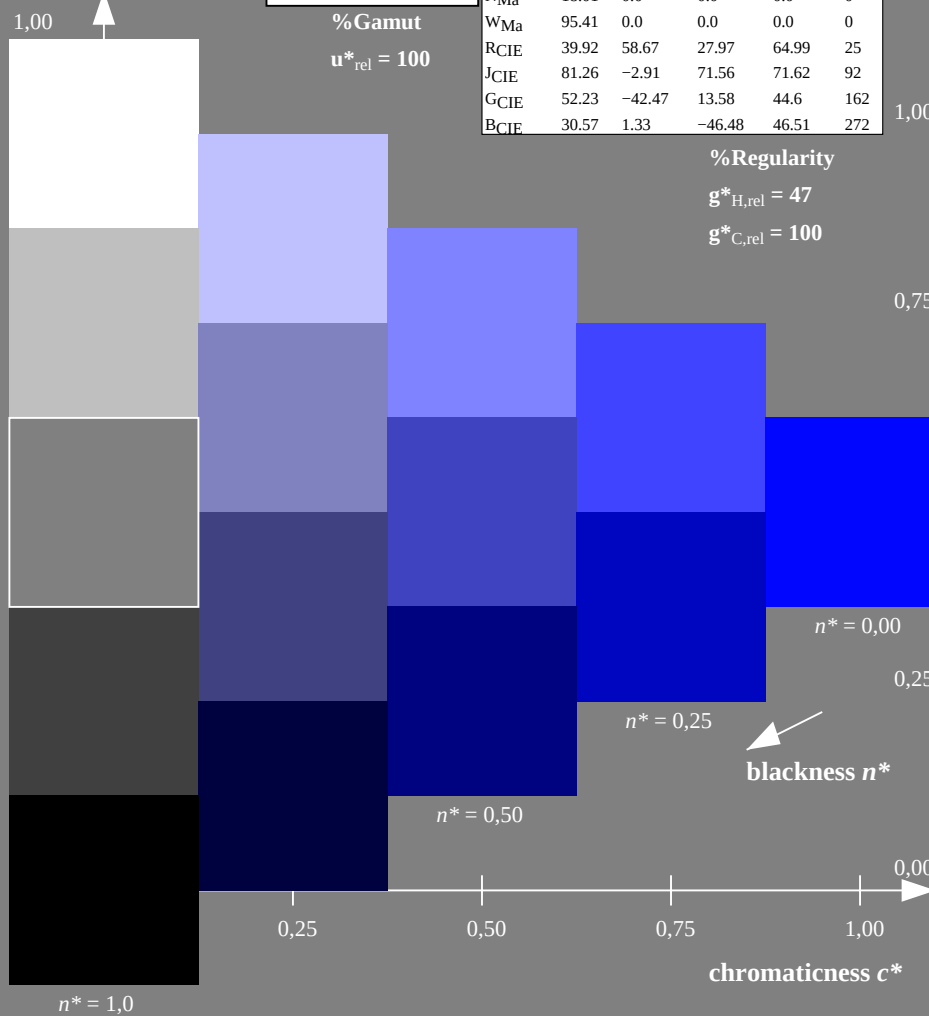


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

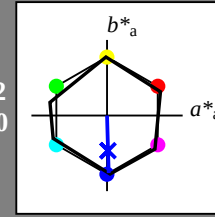
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

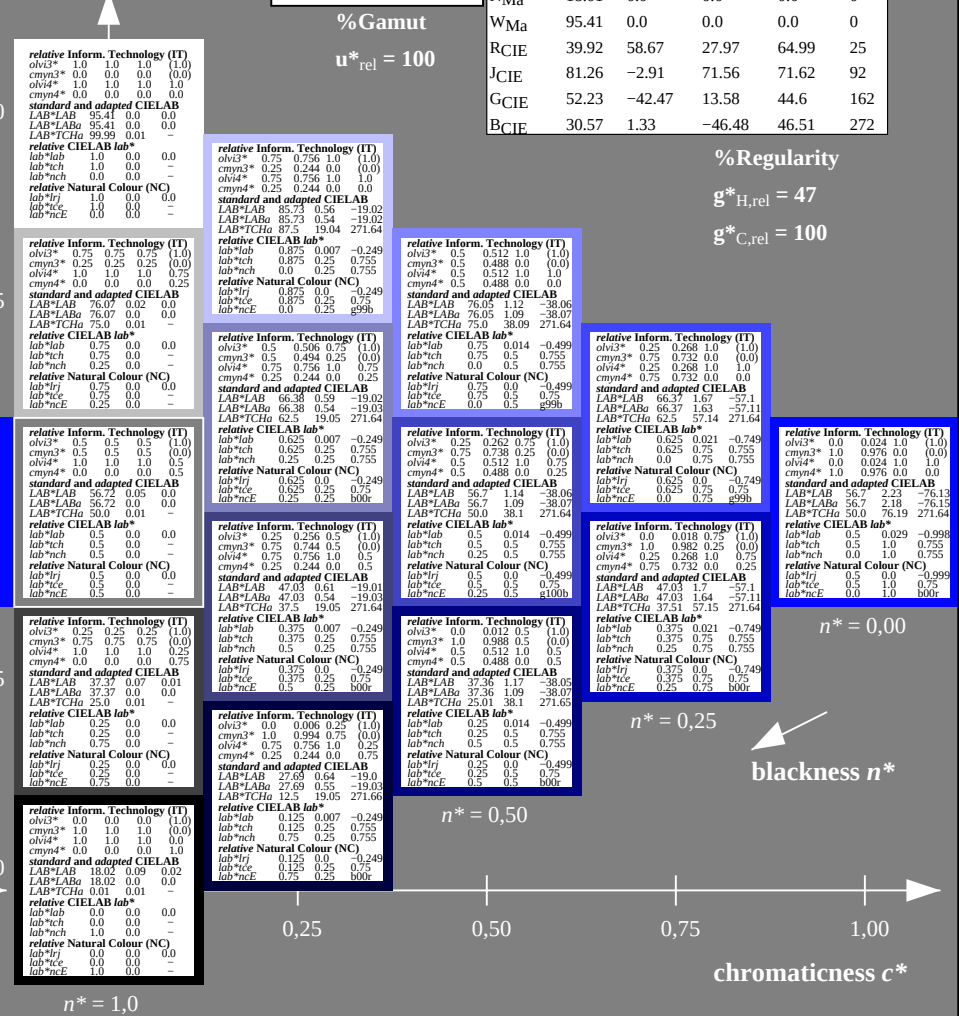


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

triangle lightness

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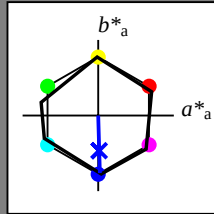
triangle lightness

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triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

triangle lightness

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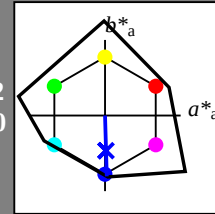
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 136$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

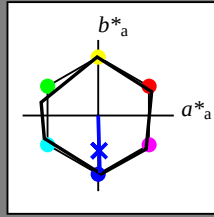
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NRS18; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.67	27.97	64.99	25	
JCIE	81.26	-2.91	71.56	71.62	92	
GCIE	52.23	-42.47	13.58	44.6	162	
BCIE	30.57	1.33	-46.48	46.51	272	

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

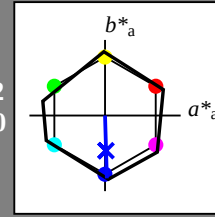
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NRS11; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
NMa	10.99	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

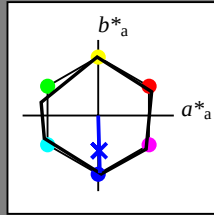
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

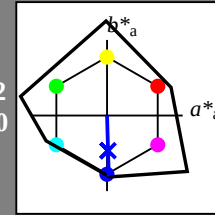
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

chromaticness c^*

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 136$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

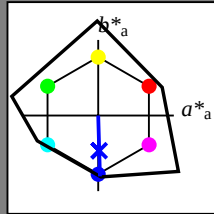
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

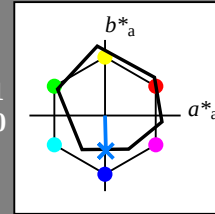
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

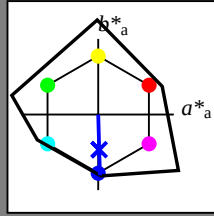
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

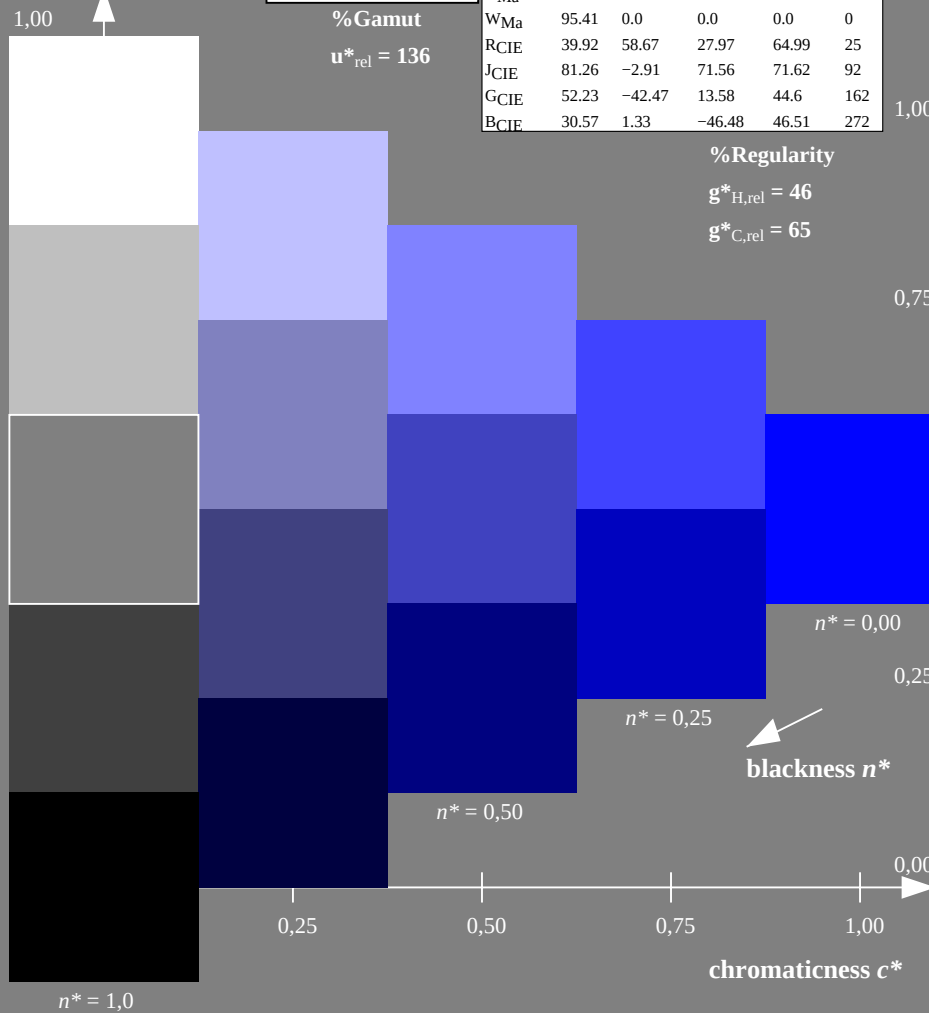
rgb*Ma: 0.0 0.02 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

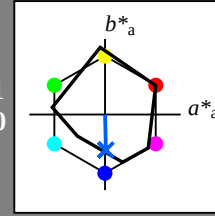
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

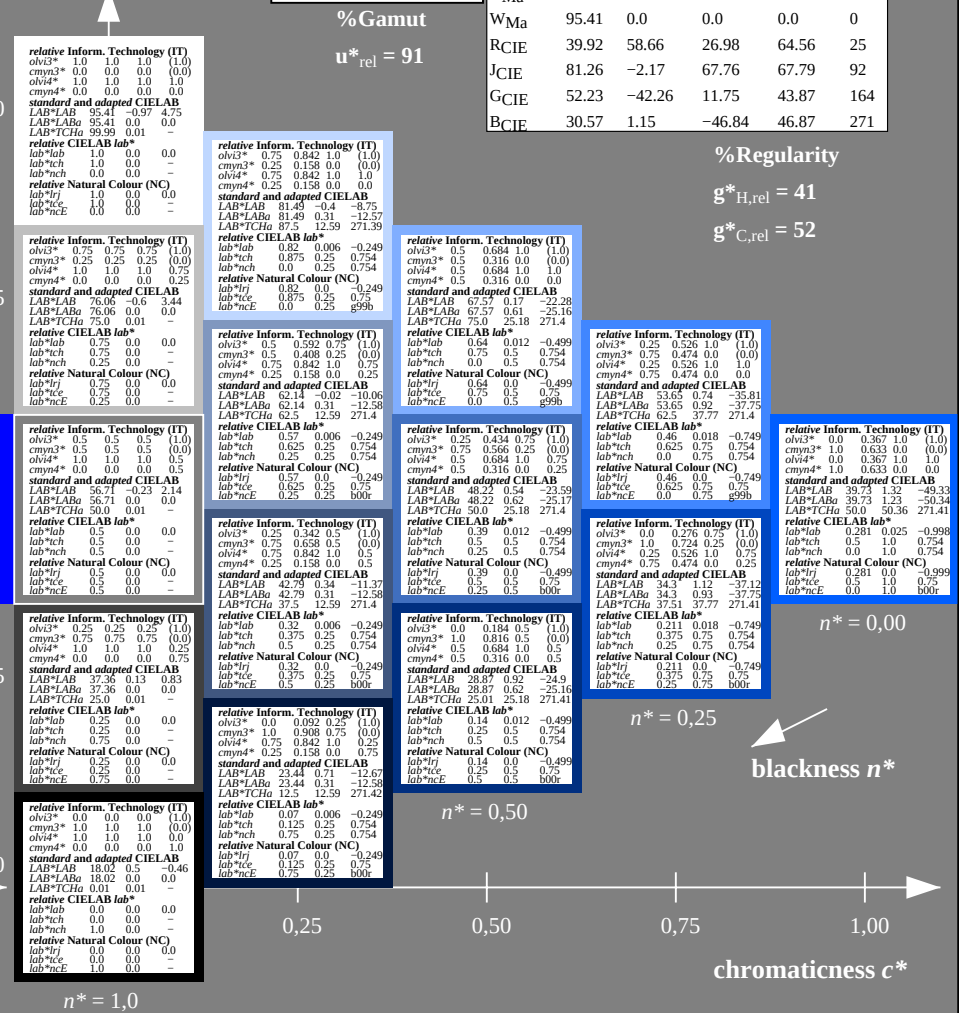
rgb*Ma: 0.0 0.37 1.0

triangle lightness



%Gamut

$u^*_{rel} = 91$



5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

NCS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	76.06	0.0	0.0		
LAB*LABc	76.06	0.0	0.0		
LAB*LABd	76.06	0.0	0.0		
LAB*LABe	76.06	0.0	0.0		
LAB*LABf	76.06	0.0	0.0		
LAB*LABg	76.06	0.0	0.0		
LAB*LABh	76.06	0.0	0.0		
LAB*LABi	76.06	0.0	0.0		
LAB*LABj	76.06	0.0	0.0		
LAB*LABk	76.06	0.0	0.0		
LAB*LABl	76.06	0.0	0.0		
LAB*LABm	76.06	0.0	0.0		
LAB*LABn	76.06	0.0	0.0		
LAB*LABo	76.06	0.0	0.0		
LAB*LABp	76.06	0.0	0.0		
LAB*LABq	76.06	0.0	0.0		
LAB*LABr	76.06	0.0	0.0		
LAB*LABs	76.06	0.0	0.0		
LAB*LABt	76.06	0.0	0.0		
LAB*LABu	76.06	0.0	0.0		
LAB*LABv	76.06	0.0	0.0		
LAB*LABw	76.06	0.0	0.0		
LAB*LABx	76.06	0.0	0.0		
LAB*LABy	76.06	0.0	0.0		
LAB*LABz	76.06	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.3	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	56.71	0.0	0.0		
LAB*LABc	56.71	0.0	0.0		
LAB*LABd	56.71	0.0	0.0		
LAB*LABe	56.71	0.0	0.0		
LAB*LABf	56.71	0.0	0.0		
LAB*LABg	56.71	0.0	0.0		
LAB*LABh	56.71	0.0	0.0		
LAB*LABi	56.71	0.0	0.0		
LAB*LABj	56.71	0.0	0.0		
LAB*LABk	56.71	0.0	0.0		
LAB*LABl	56.71	0.0	0.0		
LAB*LABm	56.71	0.0	0.0		
LAB*LABn	56.71	0.0	0.0		
LAB*LABo	56.71	0.0	0.0		
LAB*LABp	56.71	0.0	0.0		
LAB*LABq	56.71	0.0	0.0		
LAB*LABr	56.71	0.0	0.0		
LAB*LABs	56.71	0.0	0.0		
LAB*LABt	56.71	0.0	0.0		
LAB*LABu	56.71	0.0	0.0		
LAB*LABv	56.71	0.0	0.0		
LAB*LABw	56.71	0.0	0.0		
LAB*LABx	56.71	0.0	0.0		
LAB*LABy	56.71	0.0	0.0		
LAB*LABz	56.71	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	-0.13	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*LABb	37.36	0.0	0.0		
LAB*LABc	37.36	0.0	0.0		
LAB*LABd	37.36	0.0	0.0		
LAB*LABe	37.36	0.0	0.0		
LAB*LABf	37.36	0.0	0.0		
LAB*LABg	37.36	0.0	0.0		
LAB*LABh	37.36	0.0	0.0		
LAB*LABi	37.36	0.0	0.0		
LAB*LABj	37.36	0.0	0.0		
LAB*LABk	37.36	0.0	0.0		
LAB*LABl	37.36	0.0	0.0		
LAB*LABm	37.36	0.0	0.0		
LAB*LABn	37.36	0.0	0.0		
LAB*LABo	37.36	0.0	0.0		
LAB*LABp	37.36	0.0	0.0		
LAB*LABq	37.36	0.0	0.0		
LAB*LABr	37.36	0.0	0.0		
LAB*LABs	37.36	0.0	0.0		
LAB*LABt	37.36	0.0	0.0		
LAB*LABu	37.36	0.0	0.0		
LAB*LABv	37.36	0.0	0.0		
LAB*LABw	37.36	0.0	0.0		
LAB*LABx	37.36	0.0	0.0		
LAB*LABy	37.36	0.0	0.0		
LAB*LABz	37.36	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	18.02	0.0	0.0		
LAB*LABc	18.02	0.0	0.0		
LAB*LABd	18.02	0.0	0.0		
LAB*LABe	18.02	0.0	0.0		
LAB*LABf	18.02	0.0	0.0		
LAB*LABg	18.02	0.0	0.0		
LAB*LABh	18.02	0.0	0.0		
LAB*LABi	18.02	0.0	0.0		
LAB*LABj	18.02	0.0	0.0		
LAB*LABk	18.02	0.0	0.0		
LAB*LABl	18.02	0.0	0.0		
LAB*LABm	18.02	0.0	0.0		
LAB*LABn	18.02	0.0	0.0		
LAB*LABo	18.02	0.0	0.0		
LAB*LABp	18.02	0.0	0.0		
LAB*LABq	18.02	0.0	0.0		
LAB*LABr	18.02	0.0	0.0		
LAB*LABs	18.02	0.0	0.0		
LAB*LABt	18.02	0.0	0.0		
LAB*LABu	18.02	0.0	0.0		
LAB*LABv	18.02	0.0	0.0		
LAB*LABw	18.02	0.0	0.0		
LAB*LABx	18.02	0.0	0.0		
LAB*LABy	18.02	0.0	0.0		
LAB*LABz	18.02	0.0	0.0		

MRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)				
olvi3*	0.75	0.842	1.0	(1.0)
cmyn3*	0.25	0.158	0.0	(0.0)
olvi4*	0.75	0.842	1.0	1.0
cmyn4*	0.25	0.158	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	81.49	-0.4	-8.75	
LAB*LABa	81.49	0.31	-12.57	
LAB*LABb	81.49	0.59	271.39	
relative CIELAB LAB				
lab*lab	0.82	0.006	-0.249	
lab*chc	0.875	0.25	0.754	
lab*nch	0.0	0.25	0.754	
relative Natural Colour (NC)				
lab*nrj	0.82	0.0	-0.249	
lab*ncc	0.875	0.25	0.754	
lab*nCe	0.0	0.25	0.754	

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

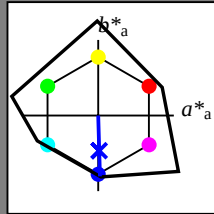
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

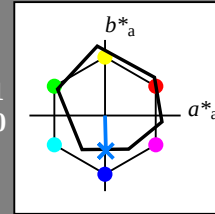
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

1,00

0,75

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*trj	1.0	0.0	0.0		
lab*trj	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.872	1.0	(1.0)	
cmyn3*	0.25	0.128	0.0	(0.0)	
olvi4*	0.75	0.872	1.0	(1.0)	
cmyn4*	0.25	0.128	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	82.0	-0.44	-7.31		
LAB*LABa	82.0	0.0	0.0		
LAB*LABb	82.0	0.0	0.0		
LAB*LABc	82.0	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.827	0.006	-0.249		
lab*lab	0.827	0.006	-0.249		
lab*nch	0.827	0.006	-0.249		
relative Natural Colour (NC)					
lab*trj	0.827	0.006	-0.249		
lab*trj	0.827	0.006	-0.249		
lab*trj	0.827	0.006	-0.249		

relative Inform. Technology (IT)					
olvi3*	0.5	0.622	0.75	(1.0)	
cmyn3*	0.5	0.378	0.25	(0.0)	
olvi4*	0.5	0.622	0.75	(1.0)	
cmyn4*	0.5	0.378	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	62.65	-0.07	-8.62		
LAB*LABa	62.65	0.0	0.0		
LAB*LABb	62.65	0.0	0.0		
LAB*LABc	62.65	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.577	0.006	-0.249		
lab*lab	0.577	0.006	-0.249		
lab*nch	0.577	0.006	-0.249		
relative Natural Colour (NC)					
lab*trj	0.577	0.006	-0.249		
lab*trj	0.577	0.006	-0.249		
lab*trj	0.577	0.006	-0.249		

relative Inform. Technology (IT)					
olvi3*	0.25	0.372	0.5	(1.0)	
cmyn3*	0.25	0.628	0.5	(0.0)	
olvi4*	0.25	0.372	0.5	(1.0)	
cmyn4*	0.25	0.628	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	49.25	0.45	-20.71		
LAB*LABa	49.25	0.55	-22.35		
LAB*LABb	49.25	0.55	-22.35		
LAB*LABc	49.25	0.55	-22.35		
relative CIELAB lab*					
lab*lab	0.404	0.012	-0.499		
lab*lab	0.404	0.012	-0.499		
lab*nch	0.404	0.012	-0.499		
relative Natural Colour (NC)					
lab*trj	0.404	0.012	-0.499		
lab*trj	0.404	0.012	-0.499		
lab*trj	0.404	0.012	-0.499		

relative Inform. Technology (IT)					
olvi3*	0.0	0.122	0.25	(1.0)	
cmyn3*	1.0	0.878	0.75	(0.0)	
olvi4*	0.75	0.872	1.0	(0.25)	
cmyn4*	0.25	0.128	0.0	(0.75)	
standard and adapted CIELAB					
LAB*LAB	23.96	0.67	-11.23		
LAB*LABa	23.96	0.28	-11.17		
LAB*LABb	23.96	0.28	-11.17		
LAB*LABc	23.96	0.28	-11.17		
relative CIELAB lab*					
lab*lab	0.077	0.006	-0.249		
lab*lab	0.077	0.006	-0.249		
lab*nch	0.077	0.006	-0.249		
relative Natural Colour (NC)					
lab*trj	0.077	0.006	-0.249		
lab*trj	0.077	0.006	-0.249		
lab*trj	0.077	0.006	-0.249		

relative Inform. Technology (IT)					
olvi3*	0.0	0.244	0.5	(1.0)	
cmyn3*	1.0	0.756	0.5	(0.0)	
olvi4*	0.5	0.744	1.0	(0.75)	
cmyn4*	0.5	0.256	0.0	(0.25)	
standard and adapted CIELAB					
LAB*LAB	29.9	0.83	-22.01		
LAB*LABa	29.9	0.55	-22.35		
LAB*LABb	29.9	0.55	-22.35		
LAB*LABc	29.9	0.55	-22.35		
relative CIELAB lab*					
lab*lab	0.154	0.012	-0.499		
lab*lab	0.154	0.012	-0.499		
lab*nch	0.154	0.012	-0.499		
relative Natural Colour (NC)					
lab*trj	0.154	0.012	-0.499		
lab*trj	0.154	0.012	-0.499		
lab*trj	0.154	0.012	-0.499		

relative Inform. Technology (IT)					
olvi3*	0.0	0.366	0.75	(1.0)	
cmyn3*	1.0	0.634	0.25	(0.0)	
olvi4*	0.25	0.616	1.0	(0.75)	
cmyn4*	0.75	0.384	0.0	(0.25)	
standard and adapted CIELAB					
LAB*LAB	35.84	0.99	-32.79		
LAB*LABa	35.84	0.82	-33.53		
LAB*LABb	35.84	0.82	-33.53		
LAB*LABc	35.84	0.82	-33.53		
relative CIELAB lab*					
lab*lab	0.23	0.018	-0.749		
lab*lab	0.23	0.018	-0.749		
lab*nch	0.23	0.018	-0.749		
relative Natural Colour (NC)					
lab*trj	0.23	0.018	-0.749		
lab*trj	0.23	0.018	-0.749		
lab*trj	0.23	0.018	-0.749		

relative Inform. Technology (IT)					
olvi3*	0.0	0.366	0.75	(1.0)	
cmyn3*	1.0	0.634	0.25	(0.0)	
olvi4*	0.25	0.616	1.0	(0.75)	
cmyn4*	0.75	0.384	0.0	(0.25)	
standard and adapted CIELAB					
LAB*LAB	35.84	0.99	-32.79		
LAB*LABa	35.84	0.82	-33.53		
LAB*LABb	35.84	0.82	-33.53		
LAB*LABc	35.84	0.82	-33.53		
relative CIELAB lab*					
lab*lab	0.23	0.018	-0.749		
lab*lab	0.23	0.018	-0.749		
lab*nch	0.23	0.018	-0.749		
relative Natural Colour (NC)					
lab*trj	0.23	0.018	-0.749		
lab*trj	0.23	0.018	-0.749		
lab*trj	0.23	0.018	-0.749		

relative Inform. Technology (IT)					
olvi3*	0.0	0.366	0.75	(1.0)	
cmyn3*	1.0	0.634	0.25	(0.0)	
olvi4*	0.25	0.616	1.0	(0.75)	
cmyn4*	0.75	0.384	0.0	(0.25)	
standard and adapted CIELAB					
LAB*LAB	35.84	0.99	-32.79		
LAB*LABa	35.84	0.82	-33.53		
LAB*LABb	35.84	0.82	-33.53		
LAB*LABc	35.84	0.82	-33.53		
relative CIELAB lab*					
lab*lab	0.23	0.018	-0.749		
lab*lab	0.23	0.018	-0.749		
lab*nch	0.23	0.018	-0.749		
relative Natural Colour (NC)					
lab*trj	0.23	0.018	-0.749		
lab*trj	0.23	0.018	-0.749		
lab*trj	0.23	0.018	-0.749		

$n^* = 1,0$

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab,a

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

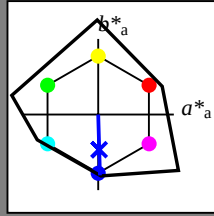
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

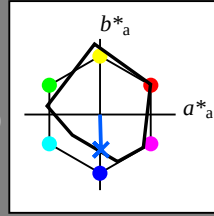
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

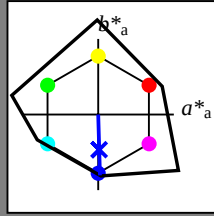
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

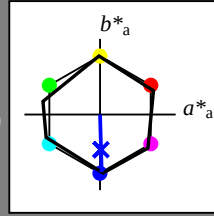
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

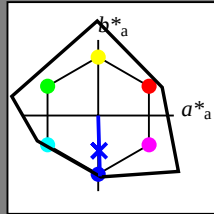
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

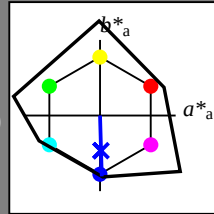
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

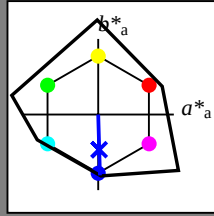
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

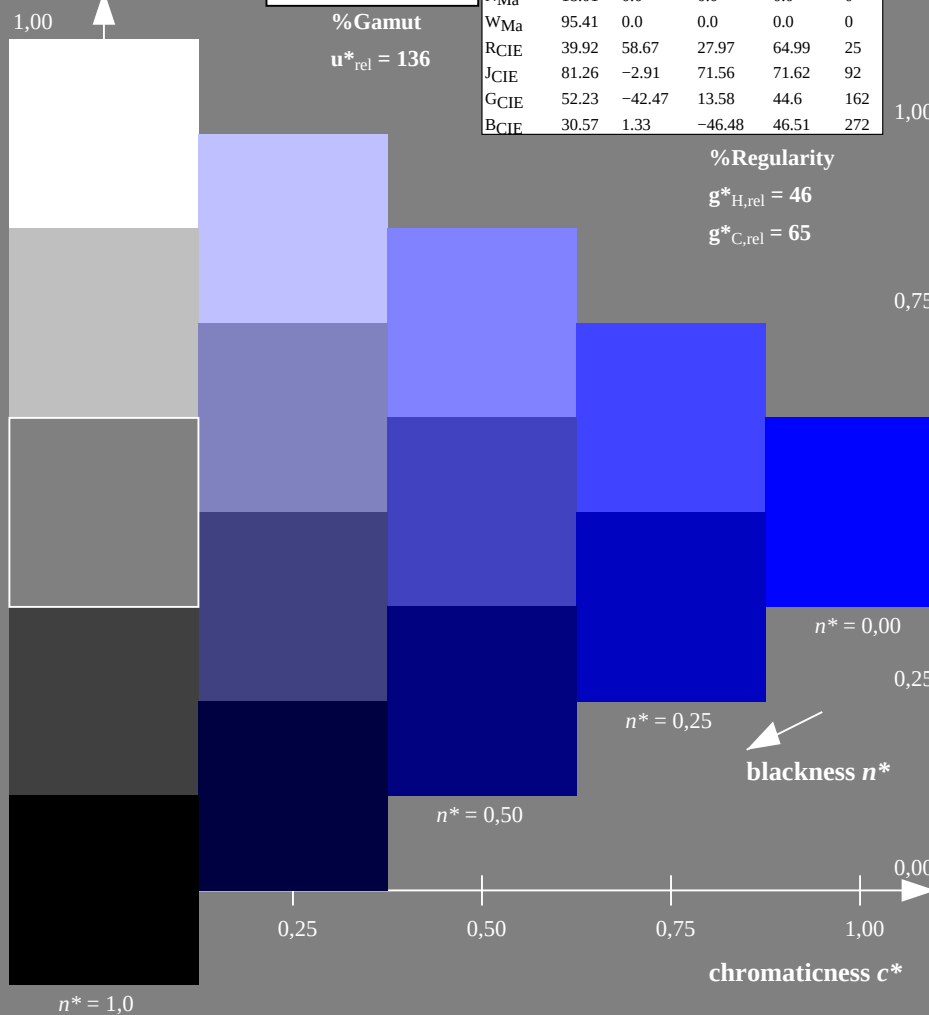
rgb*Ma: 0.0 0.02 1.0

triangle lightness



%Gamut

$u^*_{rel} = 136$



TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

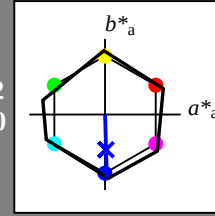
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

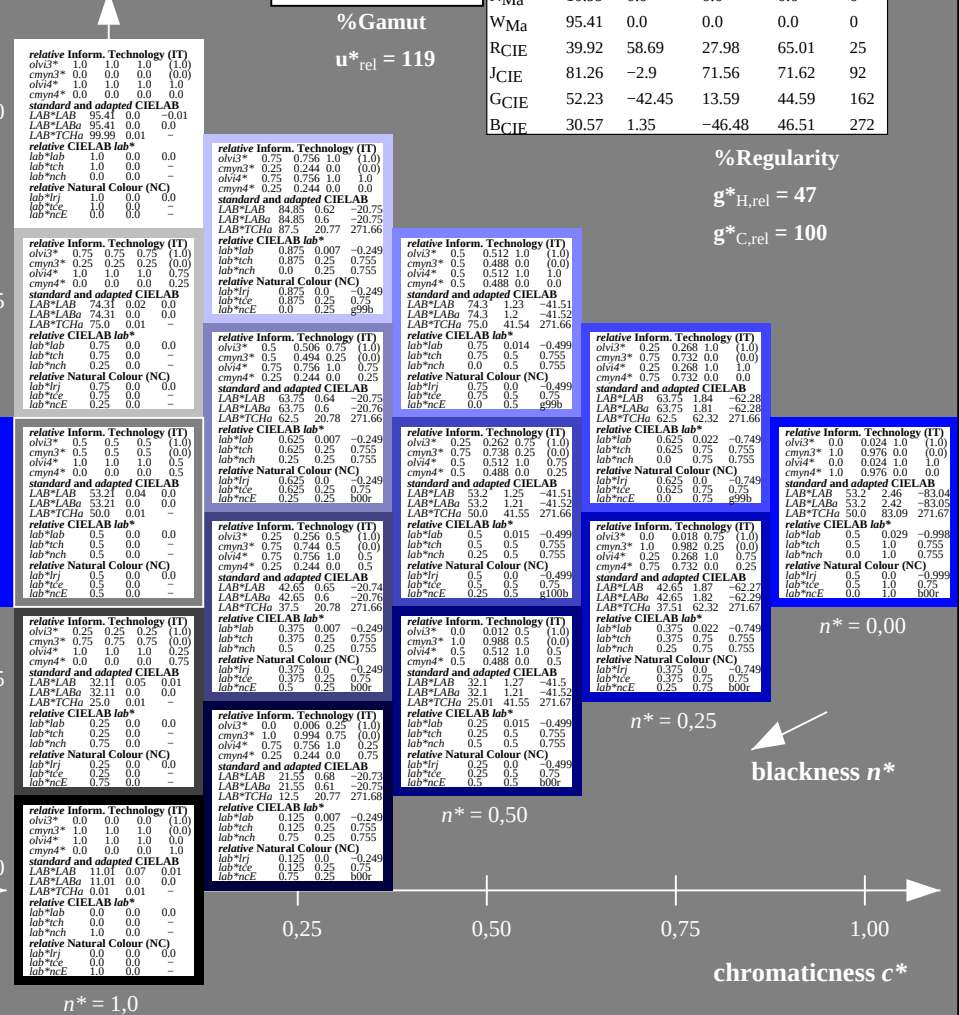
rgb*Ma: 0.0 0.02 1.0

triangle lightness



%Gamut

$u^*_{rel} = 119$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	0.75	0.756	1.0	(1.0)	
cmyn3*	0.25	0.244	0.0	(0.0)	
olvi4*	0.75	0.756	1.0	(1.0)	
cmyn4*	0.25	0.244	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.85	0.62	-20.75		
LAB*LABa	84.85	0.6	-20.75		
LAB*LABb	87.5	20.77	271.66		
relative CIELAB lab*					
lab*lab	0.875	0.007	-0.249		
lab*lab	0.875	0.0	0.755		
lab*nch	0.0	0.25	0.755		
relative Natural Colour (NC)					
lab*lab	0.875	0.0	-0.249		
lab*nch	0.0	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.5	0.506	0.75	(1.0)	
cmyn3*	0.5	0.494	0.25	(0.0)	
olvi4*	0.5	0.512	1.0	(1.0)	
cmyn4*	0.5	0.488	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.75	0.64	-20.75		
LAB*LABa	63.75	0.6	-20.76		
LAB*LABb	62.5	20.78	271.66		
relative CIELAB lab*					
lab*lab	0.625	0.007	-0.249		
lab*lab	0.625	0.25	0.755		
lab*nch	0.25	0.25	0.755		
relative Natural Colour (NC)					
lab*lab	0.625	0.0	-0.249		
lab*nch	0.25	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.25	0.256	0.5	(1.0)	
cmyn3*	0.75	0.744	0.5	(0.0)	
olvi4*	0.75	0.756	1.0	(1.0)	
cmyn4*	0.25	0.244	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	42.65	0.65	-20.74		
LAB*LABa	42.65	0.6	-20.76		
LAB*LABb	37.5	20.78	271.66		
relative CIELAB lab*					
lab*lab	0.375	0.007	-0.249		
lab*lab	0.375	0.25	0.755		
lab*nch	0.5	0.25	0.755		
relative Natural Colour (NC)					
lab*lab	0.375	0.0	-0.249		
lab*nch	0.5	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.0	0.006	0.25	(1.0)	
cmyn3*	1.0	0.994	0.75	(0.0)	
olvi4*	0.75	0.756	1.0	(1.0)	
cmyn4*	0.25	0.244	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	21.55	0.68	-20.73		
LAB*LABa	21.55	0.61	-20.73		
LAB*LABb	12.5	20.7	271.66		
relative CIELAB lab*					
lab*lab	0.125	0.007	-0.249		
lab*lab	0.125	0.25	0.755		
lab*nch	0.75	0.25	0.755		
relative Natural Colour (NC)					
lab*lab	0.125	0.0	-0.249		
lab*nch	0.75	0.25	0.996		

relative Inform. Technology (IT)				
olvi3*	0.5	0.512	1.0	(1.0)
cmyn3*	0.5	0.488	0.0	(0.0)
olvi4*	0.5	0.512	1.0	1.0
cmyn4*	0.5	0.488	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	74.3	1.23	-41.51	
LAB*LABa	74.3	1.2	-41.52	
LAB*LABb	75.0	41.54	271.66	
relative CIELAB lab*				
lab*lab	0.75	0.014	-0.499	
lab*lab	0.75	0.5	0.755	
lab*nch	0.0	0.5	0.755	

Input: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

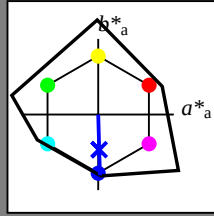
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

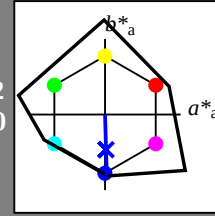
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

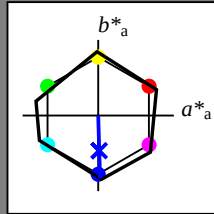
1,00

0,25

0,50

0,75

1,00



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

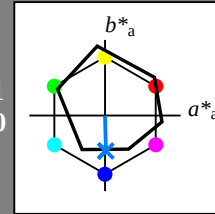
1,00

0,25

0,50

0,75

1,00



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

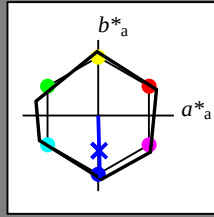
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0,75

0,25

0,00

$n^* = 0,00$

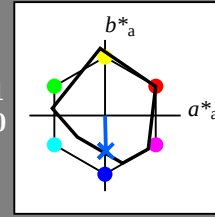
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

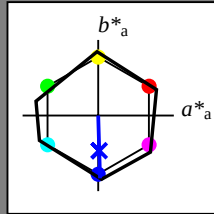
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

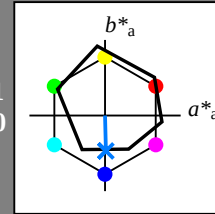
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

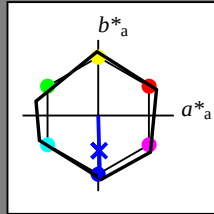
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

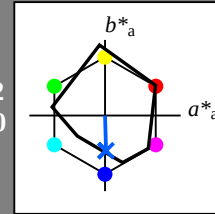
relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB



MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

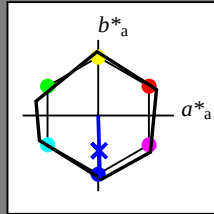
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

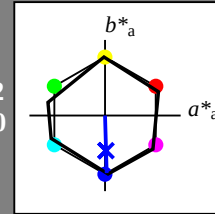
0,50

0,75

1,00

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

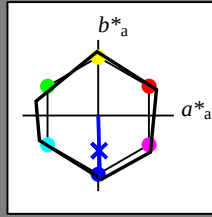
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

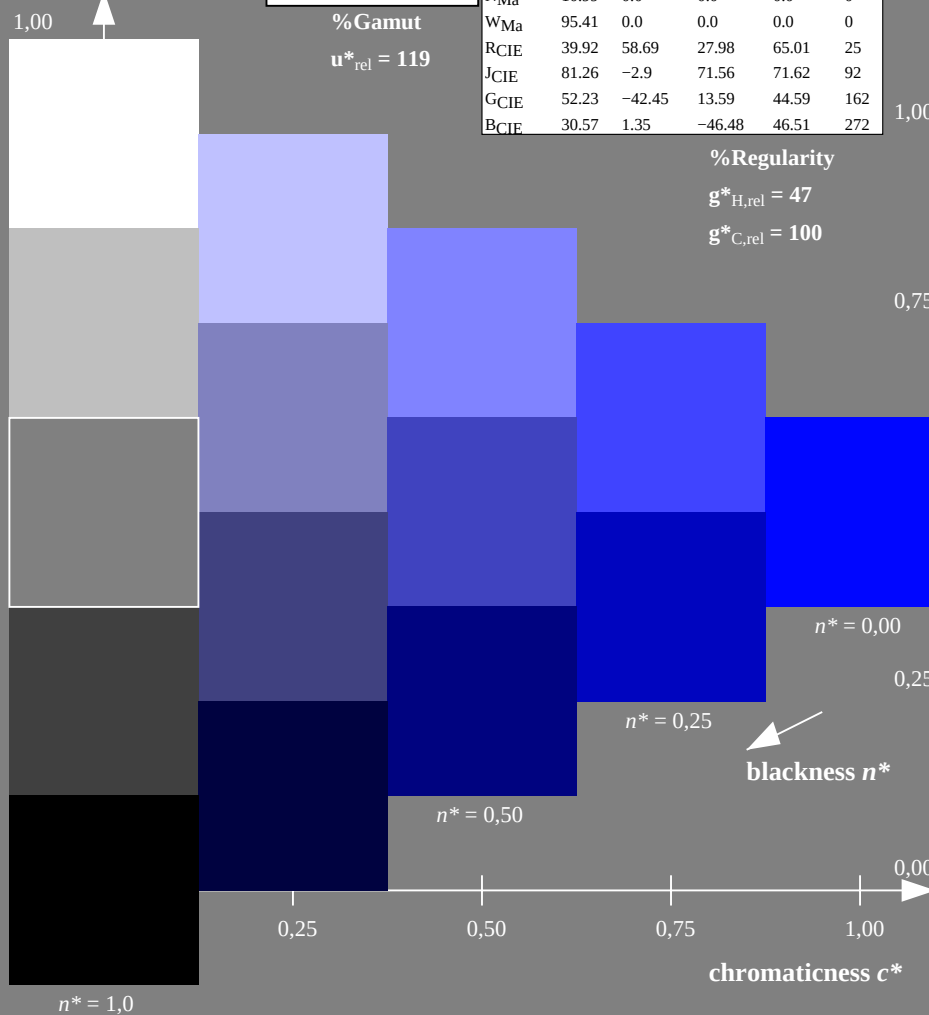


NRS11; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

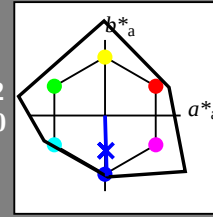
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

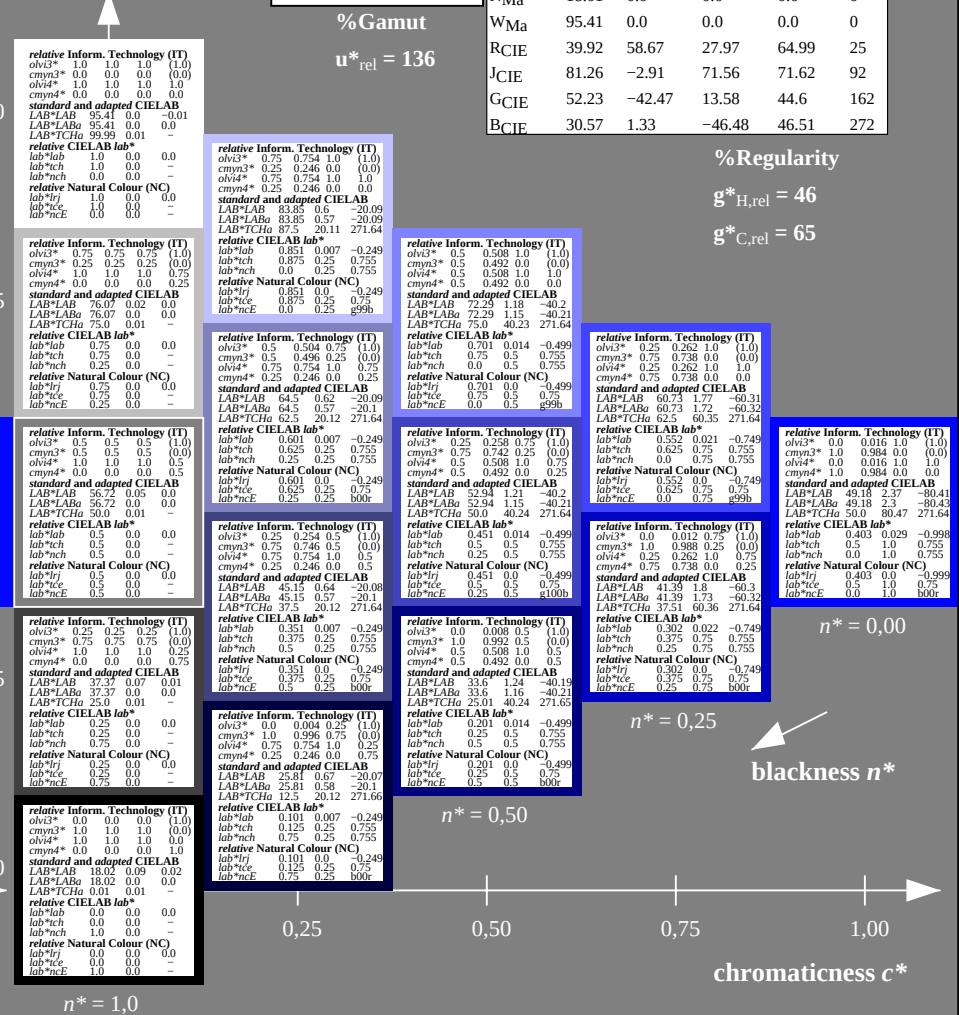


NCS18; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

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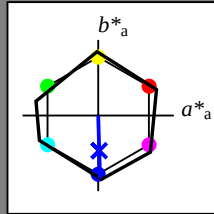
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

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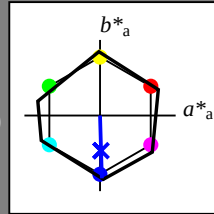
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% Gamut

$u^*_{rel} = 119$

NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

% Regularity

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

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1,00

chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

0,25

0,50

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1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

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1,00

chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

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0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

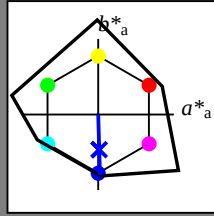
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

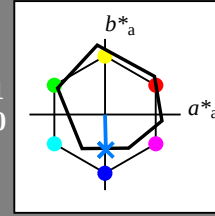
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

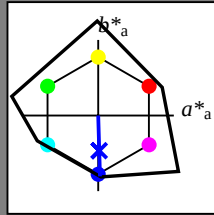
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

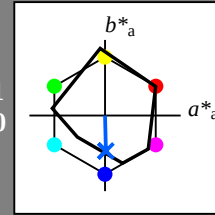
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

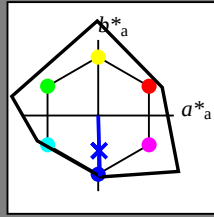
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System TRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

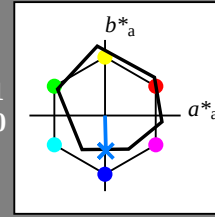
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

TRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	<

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

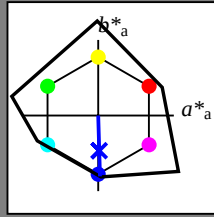
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

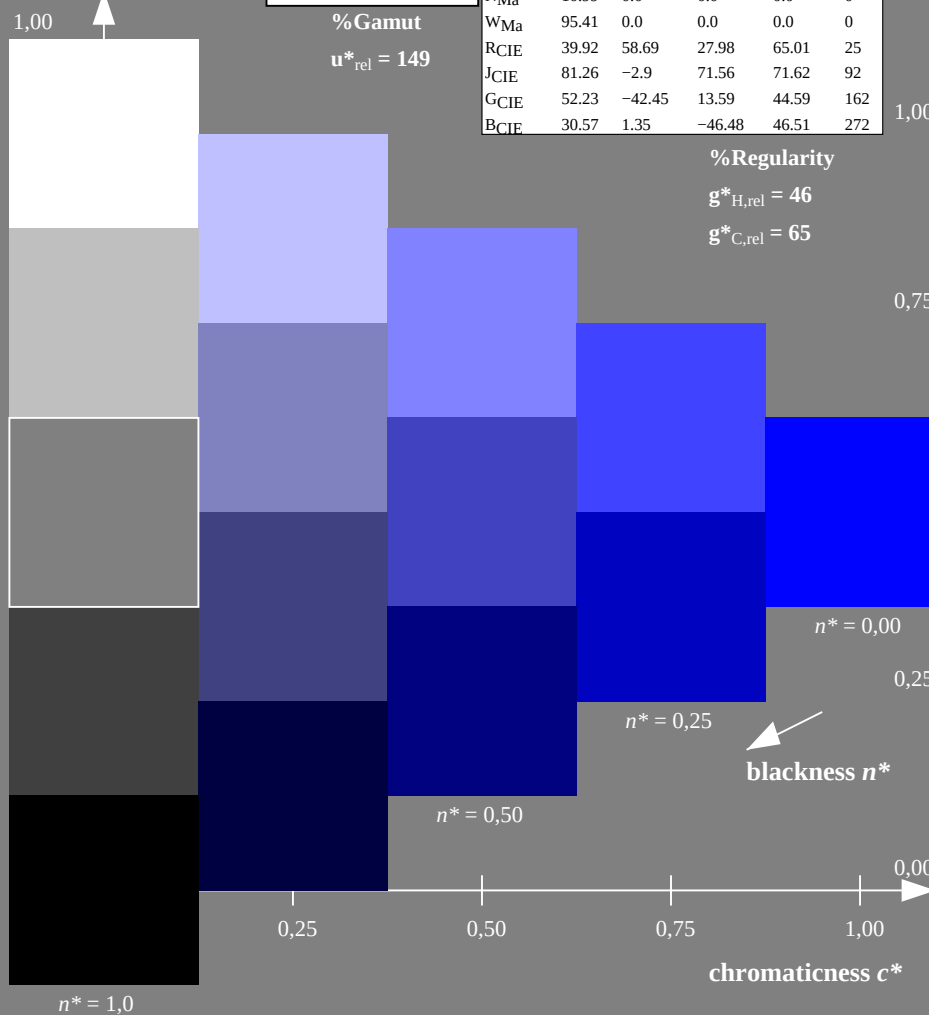
rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

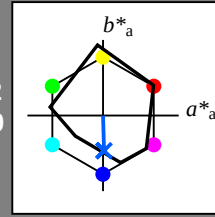
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

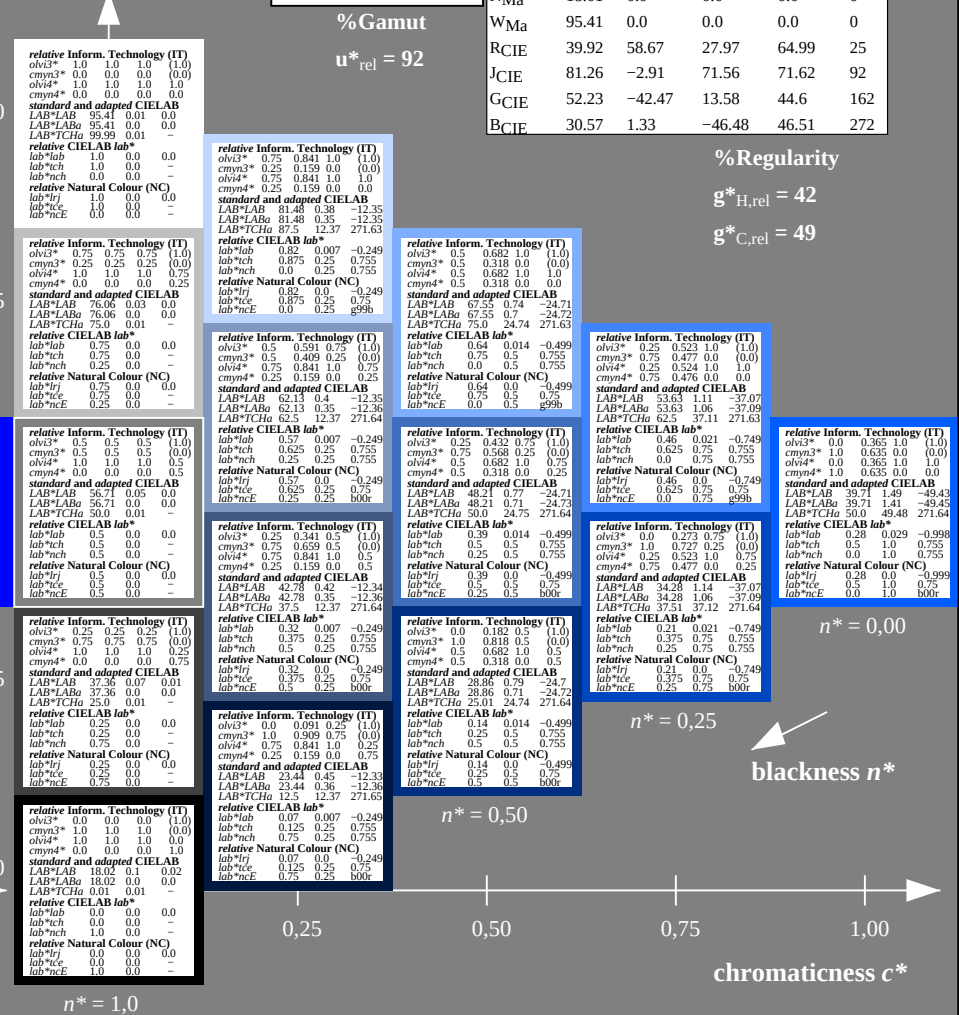
rgb*Ma: 0.0 0.36 1.0

triangle lightness



% Gamut

$u^*_{rel} = 92$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.03	0.0		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.07	0.01		
LAB*LABa	37.36	0.0	0.0		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.1	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

MRS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)					
olvi3*	0.75	0.841	1.0	(1.0)	
cmyn3*	0.25	0.159	0.0	(0.0)	
olvi4*	0.75	0.841	1.0	(1.0)	
cmyn4*	0.25	0.159	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	81.48	0.38	-12.35		
LAB*LABa	81.48	0.35	-12.35		
LAB*LABb	87.5	12.37	271.63		
relative CIELAB lab*					
lab*lab	0.82	0.007	-0.249		
lab*tch	0.875	0.0	0.755		
lab*nch	0.0	0.25	0.755		
relative Natural Colour (NC)					
lab*trj	0.82	0.0	-0.249		
lab*tce	0.875	0.25	0.755		
lab*nce	0.0	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.5	0.591	0.75	(1.0)	
cmyn3*	0.5	0.409	0.25	(0.0)	
olvi4*	0.75	0.841	1.0	(1.0)	
cmyn4*	0.25	0.159	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	62.13	0.4	-12.35		
LAB*LABa	62.13	0.35	-12.35		
LAB*LABb	62.5	12.37	271.64		
relative CIELAB lab*					
lab*lab	0.57	0.007	-0.249		
lab*tch	0.625	0.25	0.755		
lab*nch	0.25	0.25	0.755		
relative Natural Colour (NC)					
lab*trj	0.57	0.0	-0.249		
lab*tce	0.625	0.25	0.755		
lab*nce	0.25	0.25	0.996		

relative Inform. Technology (IT)					
olvi3*	0.25	0.341	0.5	(1.0)	
cmyn3*	0.75	0.659	0.5	(0.0)	
olvi4*	0.75	0.841	1.0	(1.0)	
cmyn4*	0.25	0.159	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	48.21	0.77	-24.71		
LAB*LABa	48.21	0.71	-24.73		
LAB*LABb	50.0	24.75	271.64		
relative CIELAB lab*					
lab*lab	0.39	0.014	-0.499		
lab*tch	0.5	0.5	0.755		
lab*nch	0.25	0.5	0.755		
relative Natural Colour (NC)					
lab*trj	0.39	0.0	-0.499		
lab*tce	0.5	0.5	0.755		
lab*nce	0.25	0.5	0.996		

relative Inform. Technology (IT)					
olvi3*	0.0	0.091	0.25	(1.0)	
cmyn3*	1.0	0.909	0.75	(0.0)	
olvi4*	0.75	0.841	1.0	(1.0)	
cmyn4*	0.25	0.159	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	23.44	0.45	-12.33		
LAB*LABa	23.44	0.36	-12.36		
LAB*LABb	12.5	12.37	271.65		
relative CIELAB lab*					
lab*lab	0.07	0.007	-0.249		
lab*tch	0.125	0.25	0.755		
lab*nch	0.75	0.25	0.755		
relative Natural Colour (NC)					
lab*trj	0.07	0.0	-0.249		
lab*tce	0.125	0.25	0.755		
lab*nce	0.75	0.25	0.996		

relative Inform. Technology (IT)				
olvi3*	0.5	0.682	1.0	(1.0)
cmyn3*	0.5	0.318	0.0	(0.0)
olvi4*	0.5	0.682	1.0	1.0
cmyn4*	0.5	0.318	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	67.55	0.74	-24.71	
LAB*LAB0	67.55	0.7	-24.72	
LAB*TrL2	0	0.74	271.63	

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

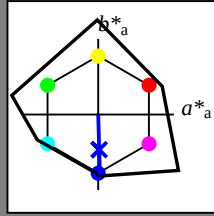
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

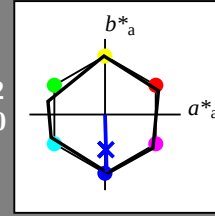
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

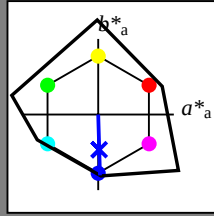
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS18

for hue $h^* = lab^*h = 272/360 = 0.755$

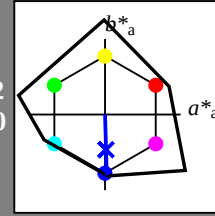
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



NCS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

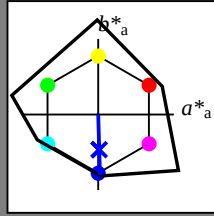
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

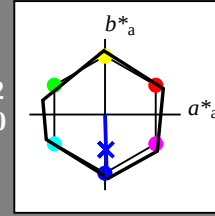
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

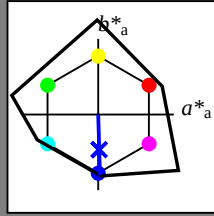
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

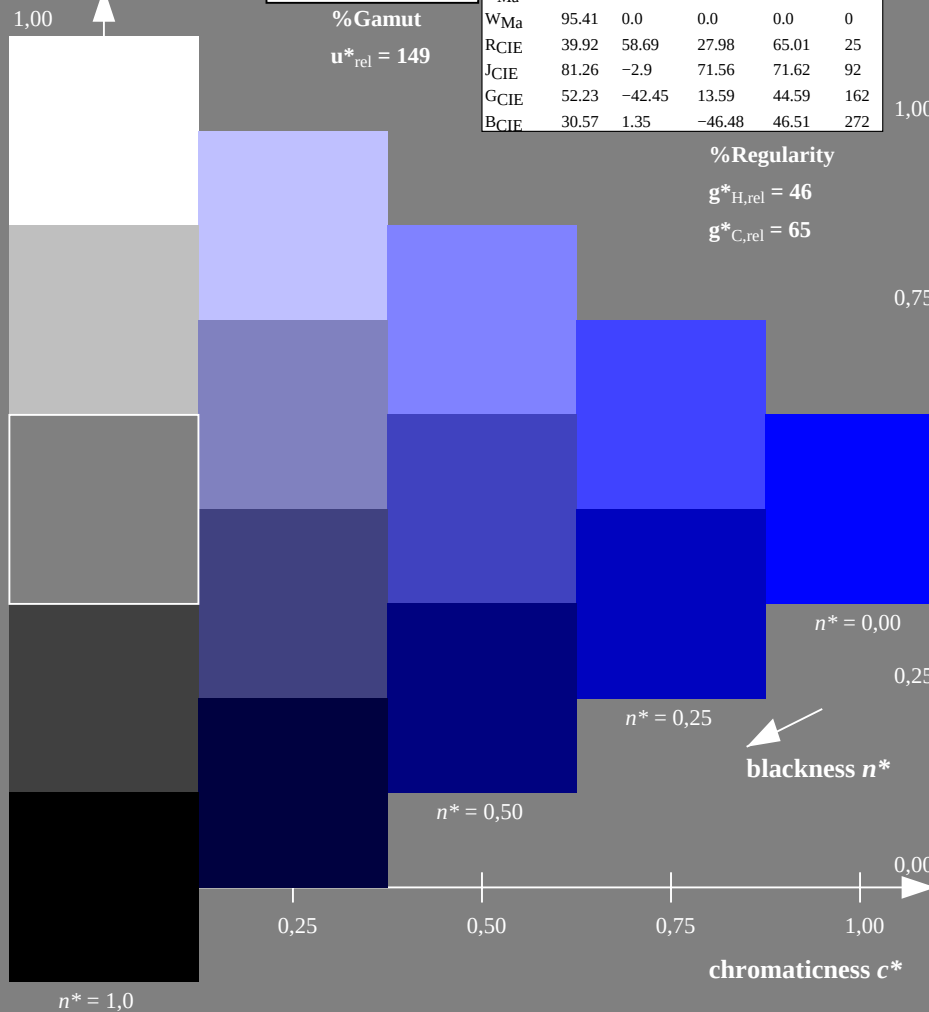
rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



TE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 272/360 = 0.755$

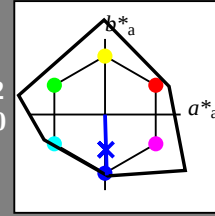
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 80 272

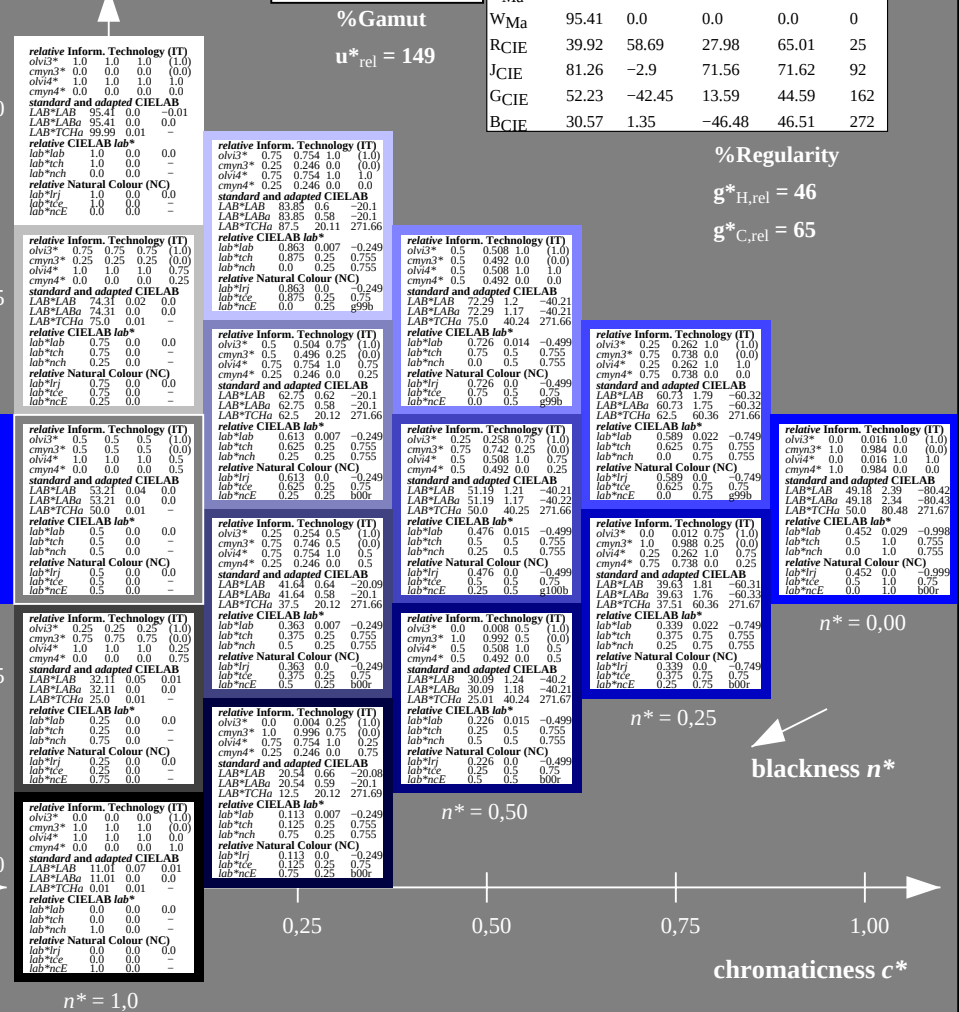
rgb*Ma: 0.0 0.02 1.0

triangle lightness



% Gamut

$u^*_{rel} = 149$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)