

Input: Colorimetric Reflective System ORS18

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

$lab \cdot tch$ and $lab \cdot nch$

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

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

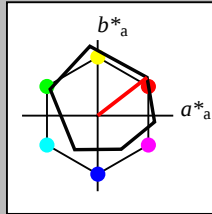
$g^*_{C,rel} = 100$

0,25

%Regularity

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

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



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

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

Output: Colorimetric Reflective System NRS11

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

$lab \cdot tch$ and $lab \cdot nch$

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

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

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

0,75

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

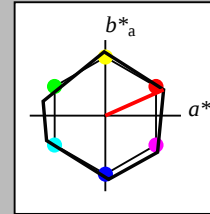
$g^*_{C,rel} = 100$

0,25

%Regularity

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

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



NRS11; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

%Regularity

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

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

0,75

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

TE420-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

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

BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

input: $olv^* \text{ setrgbcolor}$

output: $olv^* \text{ setrgbcolor} / w^* \text{ setgray}$

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

%Regularity

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

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

0.50

%Regularity

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

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

0.25

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

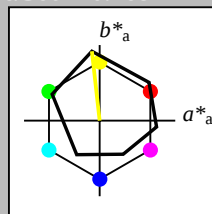
$g^*_{C,rel} = 100$

0.00

%Regularity

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

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



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

%Regularity

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

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

0.75

%Regularity

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

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

0.50

%Regularity

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

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

0.25

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

1.00

%Gamut

$u^*_{rel} = 119$

%Regularity

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

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

0.75

%Regularity

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

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

0.50

%Regularity

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

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

0.25

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

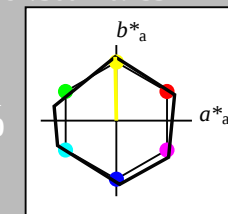
$g^*_{C,rel} = 100$

0.00

%Regularity

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

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



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Regularity

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

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

0.50

%Regularity

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

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

0.25

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

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

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

0.00

%Regularity

relative Inform. Technology (IT)

relative Natural Colour (NC)

relative CIELAB lab*

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relative Inform. Technology (IT)

relative Natural Colour (NC)

relative CIELAB lab*

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Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

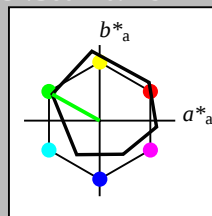
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness



%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

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

TE420-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)



BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

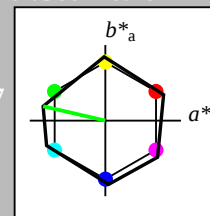
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 119$

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

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

input: $olv^* setrgbcolor$

output: $olv^* setrgbcolor / w^* setgray$

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

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blackness n^*

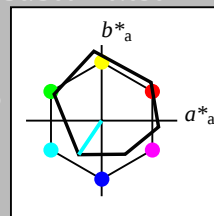
blackness n^*

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

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

%Gamut

$u^*_{rel} = 119$

%Regularity

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

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blackness n^*

blackness n^*

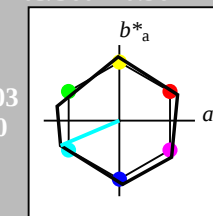
blackness n^*

blackness n^*

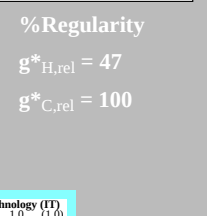
blackness n^*

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



relative Inform. Technology (IT)					
	lab^*tch	lab^*nch	lab^*tch	lab^*nch	lab^*tch
OMa	0.75	0.75	0.75	0.75	0.75
YMa	0.75	0.75	0.75	0.75	0.75
LMa	0.75	0.75	0.75	0.75	0.75
CMa	0.75	0.75	0.75	0.75	0.75
VMa	0.75	0.75	0.75	0.75	0.75
MMa	0.75	0.75	0.75	0.75	0.75
NMa	0.75	0.75	0.75	0.75	0.75
WMa	0.75	0.75	0.75	0.75	0.75
RCIE	0.75	0.75	0.75	0.75	0.75
JCIE	0.75	0.75	0.75	0.75	0.75
GCIE	0.75	0.75	0.75	0.75	0.75
BCIE	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
	lab^*tch	lab^*nch	lab^*tch	lab^*nch	lab^*tch
OMa	0.75	0.75	0.75	0.75	0.75
YMa	0.75	0.75	0.75	0.75	0.75
LMa	0.75	0.75	0.75	0.75	0.75
CMa	0.75	0.75	0.75	0.75	0.75
VMa	0.75	0.75	0.75	0.75	0.75
MMa	0.75	0.75	0.75	0.75	0.75
NMa	0.75	0.75	0.75	0.75	0.75
WMa	0.75	0.75	0.75	0.75	0.75
RCIE	0.75	0.75	0.75	0.75	0.75
JCIE	0.75	0.75	0.75	0.75	0.75
GCIE	0.75	0.75	0.75	0.75	0.75
BCIE	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
	lab^*tch	lab^*nch	lab^*tch	lab^*nch	lab^*tch
OMa	0.75	0.75	0.75	0.75	0.75
YMa	0.75	0.75	0.75	0.75	0.75
LMa	0.75	0.75	0.75	0.75	0.75
CMa	0.75	0.75	0.75	0.75	0.75
VMa	0.75	0.75	0.75	0.75	0.75
MMa	0.75	0.75	0.75	0.75	0.75
NMa	0.75	0.75	0.75	0.75	0.75
WMa	0.75	0.75	0.75	0.75	0.75
RCIE	0.75	0.75	0.75	0.75	0.75
JCIE	0.75	0.75	0.75	0.75	0.75
GCIE	0.75	0.75	0.75	0.75	0.75
BCIE	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
	lab^*tch	lab^*nch	lab^*tch	lab^*nch	lab^*tch
OMa	0.75	0.75	0.75	0.75	0.75
YMa	0.75	0.75	0.75	0.75	0.75
LMa	0.75	0.75	0.75	0.75	0.75
CMa	0.75	0.75	0.75	0.75	0.75
VMa	0.75	0.75	0.75	0.75	0.75
MMa	0.75	0.75	0.75	0.75	0.75
NMa	0.75	0.75	0.75	0.75	0.75
WMa	0.75	0.75	0.75	0.75	0.75
RCIE	0.75	0.75	0.75	0.75	0.75
JCIE	0.75	0.75	0.75	0.75	0.75
GCIE	0.75	0.75	0.75	0.75	0.75
BCIE	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
	lab^*tch	lab^*nch	lab^*tch	lab^*nch	lab^*tch
OMa	0.75	0.75	0.75	0.75	0.75
YMa	0.75	0.75	0.75	0.75	0.75
LMa	0.75	0.75	0.75	0.75	0.75
CMa	0.75	0.75	0.75	0.75	0.75
VMa	0.75	0.75	0.75	0.75	0.75
MMa	0.75	0.75	0.75	0.75	0.75
NMa	0.75	0.75	0.75	0.75	0.75
WMa	0.75	0.75	0.75	0.75	0.75
RCIE	0.75	0.75	0.75	0.75	0.75
JCIE	0.75	0.75	0.75	0.75	0.75
GCIE	0.75	0.75	0.75	0.75	0.75
BCIE	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
	lab^*tch	lab^*nch	lab^*tch	lab^*nch	lab^*tch
OMa	0.75	0.75	0.75	0.75	0.75
YMa	0.75	0.75	0.75	0.75	0.75
LMa	0.75	0.75	0.75	0.75	0.75
CMa	0.75	0.75	0.75	0.75	0.75
VMa	0.75	0.75	0.75	0.75	0.75
MMa	0.75	0.75	0.75	0.75	0.75
NMa	0.75	0.75	0.75	0.75	0.75
WMa	0.75	0.75	0.75	0.75	0.75
RCIE	0.75	0.75	0.75	0.75	0.75
JCIE	0.75	0.75	0.75	0.75	0.75
GCIE	0.75	0.75	0.75	0.75	0.75
BCIE	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
	lab^*tch	lab^*nch	lab^*tch	lab^*nch	lab^*tch
OMa	0.75	0.75	0.75	0.75	0.75
YMa	0.75	0.75	0.75	0.75	0.75
LMa	0.75	0.75	0.75	0.75	0.75
CMa	0.75	0.75	0.75	0.75	0.75
VMa	0.75	0.75	0.75	0.75	0.75
MMa	0.75	0.75	0.75	0.75	0.75
NMa	0.75	0.75	0.75	0.75	0.75
WMa	0.75	0.75	0.75	0.75	0.75
RCIE	0.75	0.75	0.75	0.75	0.75
JCIE	0.75	0.75	0.75	0.75	0.75
GCIE	0.75	0.75	0.75	0.75	0.75
BCIE	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology					
olvi3*	0.0	1.0	1.0	0.0	0.0
cmyn3*	1.0	0.0	0.0	0.0	0.0
olvi4*	0.0	1.0	1.0	1.0	0.0
cmyn4*	1.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	53.2	-77.67	-3.2	0.0	0.0
LAB*LABa	53.2	-77.71	-3.2	0.0	0.0
LAB*TCBa	50.0	84.43	20.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.5	-0.919	-0.0	0.0	0.0
lab*tch	0.5	1.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 305/360 = 0.847$

$lab \cdot tch$ and $lab \cdot nch$

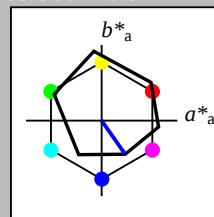
D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness

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

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

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

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(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	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	98.99	0.01	0.0		
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	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	1.0	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	74.31	0.02	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	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	0.0	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*	0.75	0.75	0.75	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	53.21	0.04	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	0.0		
lab*nch	0.25	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	0.0	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	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
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*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	0.0	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	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	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	0.0	0.0	0.0		

$n^* = 1.0$

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 273/360 = 0.758$

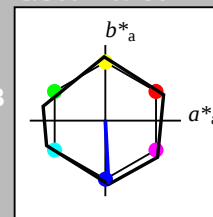
$lab \cdot tch$ and $lab \cdot nch$

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
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

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*	0.0	0.0	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*TCHa	87.5	1.09	272.97		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.0	0.25	0.758		
relative Natural Colour (NC)					
lab*trj	0.75	0.005	-0.249		
lab*tce	0.75	0.52	0.753		
lab*nce	0.0	0.25	0.01		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	0.75	0.75	0.75	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	63.75	1.13	-21.06		
LAB*LABa	63.75	1.09	21.06		
LAB*TCHa	62.5	21.1	272.97		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.25	0.25	0.758		
relative Natural Colour (NC)					
lab*trj	0.5	0.005	-0.249		
lab*tce	0.5	0.52	0.753		
lab*nce	0.25	0.25	0.01		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	0.5	0.5	0.5	1.0	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	53.2	2.23	-42.13		
LAB*LABa	53.2	2.19	-42.14		
LAB*TCHa	50.0	42.2	272.97		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.25	0.5	0.758		
relative Natural Colour (NC)					
lab*trj	0.25	0.009	-0.499		
lab*tce	0.25	0.5	0.753		
lab*nce	0.25	0.5	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*	0.5	0.5	0.5	1.0	
cmyn4*	0.0	0.0	0.0	0.5	
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	0.0	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	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.125	0.125	0.125	(1.0)	
cmyn3*	0.875	0.875	0.875	(0.0)	
olvi4*	0.125	0.125	0.125	0.875	
cmyn4*	0.0	0.0	0.0	0.125	
standard and adapted CIELAB					
LAB*LAB	12.5	0.16	21.03		
LAB*LABa	12.5	0.15	21.06		
LAB*TCHa	12.5	21.09	272.97		
relative CIELAB lab*					
lab*lab	0.125	0.0	0.0		
lab*tch	0.125	0.0	0.0		
lab*nch	0.875	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.125	0.005	-0.249		
lab*tce	0.125	0.52	0.753		
lab*nce	0.875	0.25	0.01		

$n^* = 0.50$

input: $olv^* \cdot setrgbcolor$
output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

TE42-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)



BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

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

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

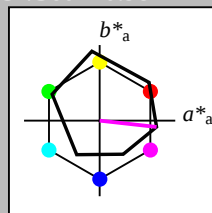
1,00

1,00

1,00

1,00

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

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

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

1,00

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

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

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

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

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

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

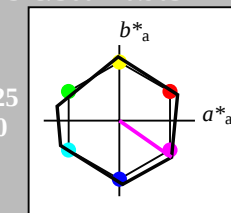
1,00

1,00

1,00

1,00

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
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

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

TE42-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

input: `olv* setrgbcolor`

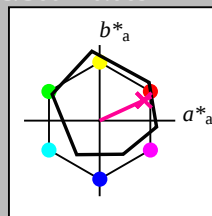
output: `olv* setrgbcolor / w* setgray`

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

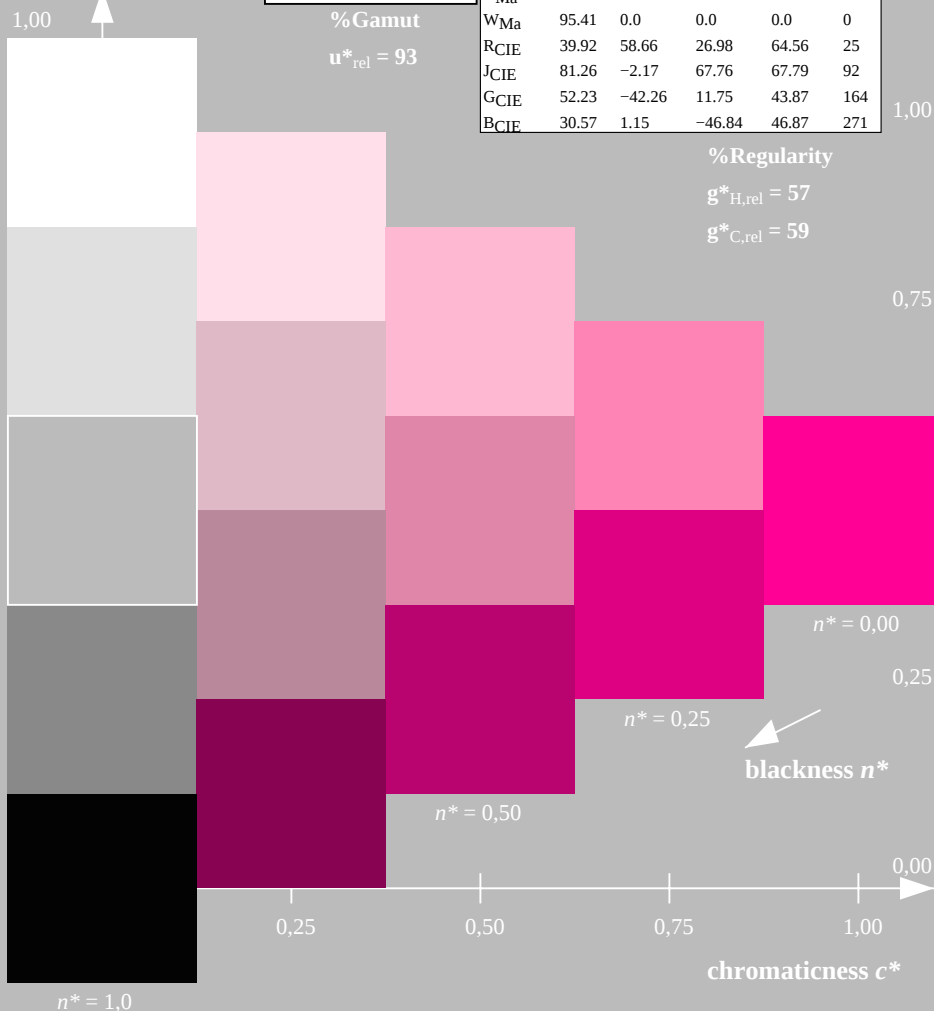


ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	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

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

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



TE420-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

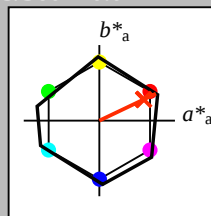
D65: 5 step colour scales and coordinate data for 10 hues

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

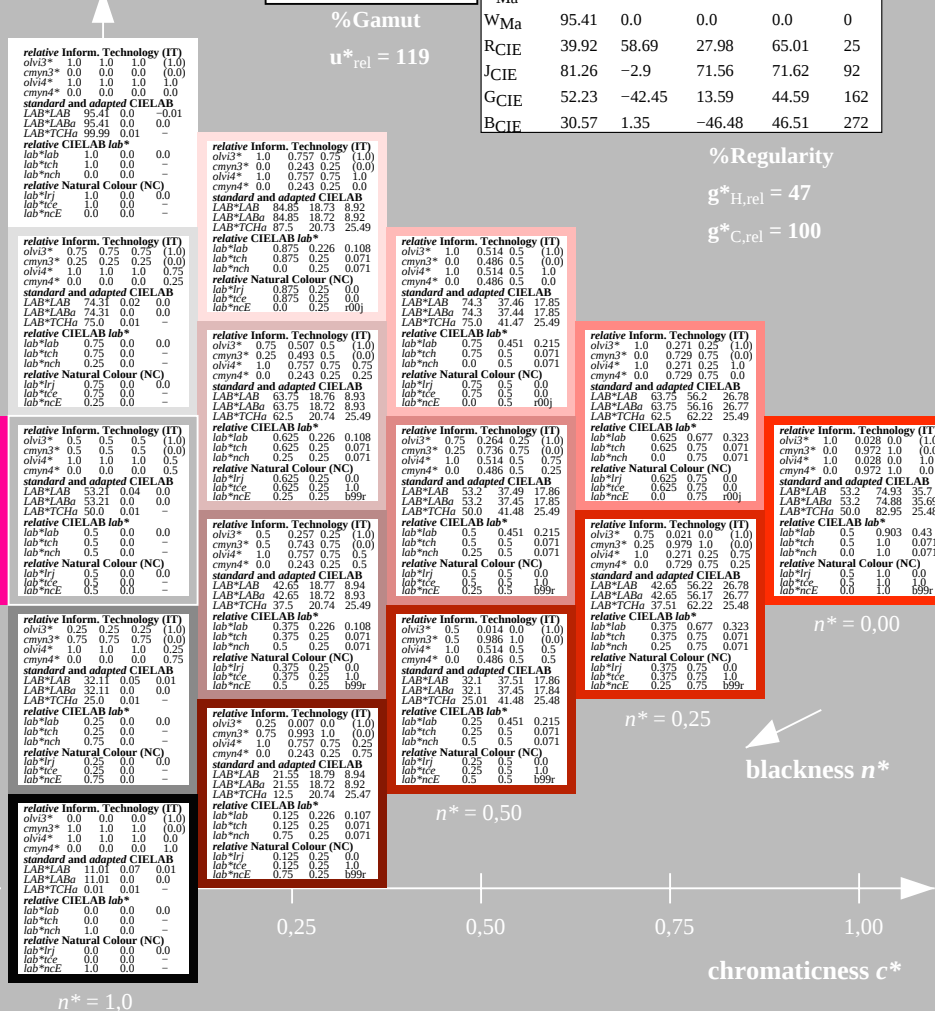


NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	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

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

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



5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

input: $olv^* setrgbcolor$

output: $olv^* setrgbcolor / w^* setgray$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

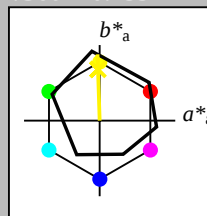
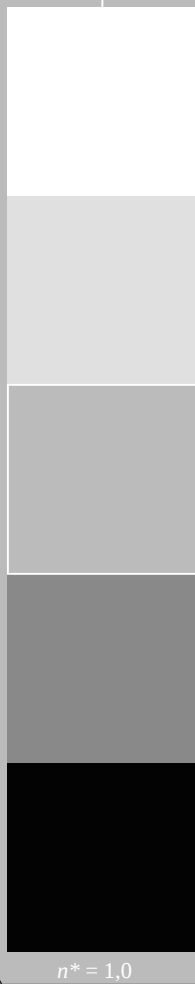
D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness

1,00



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*Lab	95.41	0.0	0.0		
LAB*TCla	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*trc	1.0	0.0	0.0		
lab*ncc	0.0	0.0	0.0		

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

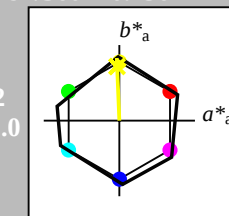
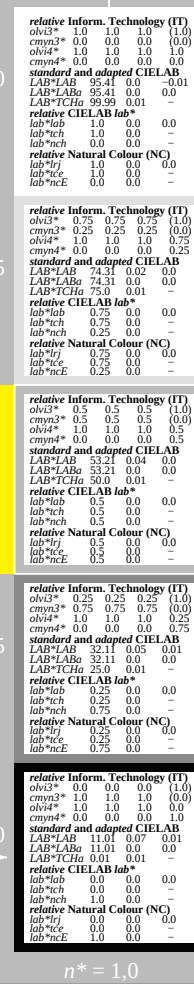
D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness

1,00



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

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

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

relative Inform. Technology (IT)					
olvi3*	0.989	1.0	0.5	(1.0)	
cmyn3*	0.011	0.0	0.5	(0.0)	
olvi4*	0.989	1.0	0.5	1.0	
cmyn4*	0.011	0.0	0.5	0.0	
standard and adapted CIELAB					
LAB*LAB	74.3	-1.64	41.44		
LAB*Lab	74.3	-1.67	41.44		
LAB*TCla	75.0	41.47	92.32		
relative CIELAB lab*					
lab*lab	0.75	-0.019	0.499		
lab*tch	0.75	0.5	0.256		
lab*nch	0.0	0.5	0.256		
relative Natural Colour (NC)					
lab*trj	0.75	0.5	0.5		
lab*trc	0.75	0.5	0.25		
lab*ncc	0.0	0.5	0.25		

%Regularity

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

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

relative Inform. Technology (IT)					
olvi3*	0.989	1.0	0.5	(1.0)	
cmyn3*	0.011	0.0	0.5	(0.0)	
olvi4*	0.989	1.0	0.5	1.0	
cmyn4*	0.011	0.0	0.5	0.0	
standard and adapted CIELAB					
LAB*LAB	74.3	-1.64	41.44		
LAB*Lab	74.3	-1.67	41.44		
LAB*TCla	75.0	41.47	92.32		
relative CIELAB lab*					
lab*lab	0.75	-0.019	0.499		
lab*tch	0.75	0.5	0.256		
lab*nch	0.0	0.5	0.256		
relative Natural Colour (NC)					
lab*trj	0.75	0.5	0.5		
lab*trc	0.75	0.5	0.25		
lab*ncc	0.0	0.5	0.25		

%Regularity

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

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

TE42-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

input: $olv^* setrgbcolor$

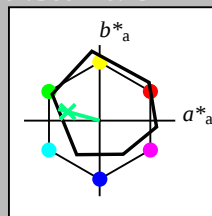
output: $olv^* setrgbcolor / w^* setgray$

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



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

$n^* = 0,25$

$n^* = 0,50$

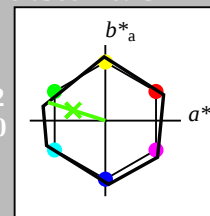
chromaticness c^*

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
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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

TE420-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

input: $olv^* setrgbcolor$

output: $olv^* setrgbcolor / w^* setgray$

-8	
-6	

