

Input: Colorimetric Offset 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

olv*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 Offset Reflective System ORS18

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

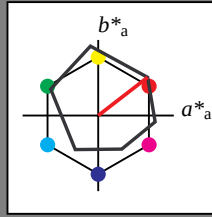
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

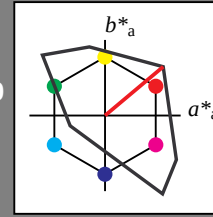
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 40/360 = 0.111 (right)

Input: Colorimetric Offset 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

olv*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^*

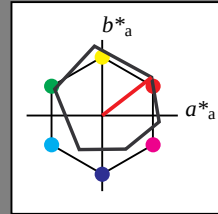
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

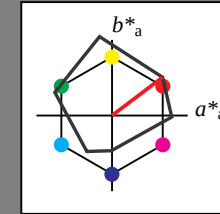
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

OE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)

Input: Colorimetric Offset 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

olv*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

0,25

0,00

blackness n^*

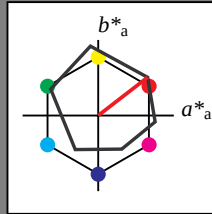
chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

blackness n^*

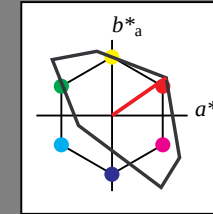
chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Offset Reflective System ORS18

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

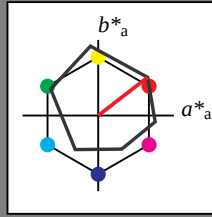
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Natural Luminous System NLS00

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

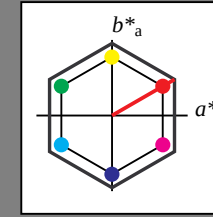
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	1.0	0.75	0.5	0.25	0.0
lab*tch	0.0	0.25	0.5	0.75	1.0
lab*nch	0.0	0.25	0.5	0.75	1.0
relative Natural Colour (NC)	0.0	0.25	0.5	0.75	1.0
lab*trj	0.0	0.25	0.5	0.75	1.0
lab*tce	0.0	0.25	0.5	0.75	1.0
lab*nce	0.0	0.25	0.5	0.75	1.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	75.51	20.65	11.92	23.84	30.0
lab*tch	75.51	20.65	11.92	23.84	30.0
lab*nch	75.51	20.65	11.92	23.84	30.0
relative Natural Colour (NC)	75.51	20.65	11.92	23.84	30.0
lab*trj	75.51	20.65	11.92	23.84	30.0
lab*tce	75.51	20.65	11.92	23.84	30.0
lab*nce	75.51	20.65	11.92	23.84	30.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.833	0.216	0.125	0.083	0.042
lab*tch	0.833	0.216	0.125	0.083	0.042
lab*nch	0.833	0.216	0.125	0.083	0.042
relative Natural Colour (NC)	0.833	0.216	0.125	0.083	0.042
lab*trj	0.833	0.216	0.125	0.083	0.042
lab*tce	0.833	0.216	0.125	0.083	0.042
lab*nce	0.833	0.216	0.125	0.083	0.042

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	39.76	41.31	23.85	47.7	30.0
lab*tch	39.76	41.31	23.85	47.7	30.0
lab*nch	39.76	41.31	23.85	47.7	30.0
relative Natural Colour (NC)	39.76	41.31	23.85	47.7	30.0
lab*trj	39.76	41.31	23.85	47.7	30.0
lab*tce	39.76	41.31	23.85	47.7	30.0
lab*nce	39.76	41.31	23.85	47.7	30.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.833	0.216	0.125	0.083	0.042
lab*tch	0.833	0.216	0.125	0.083	0.042
lab*nch	0.833	0.216	0.125	0.083	0.042
relative Natural Colour (NC)	0.833	0.216	0.125	0.083	0.042
lab*trj	0.833	0.216	0.125	0.083	0.042
lab*tce	0.833	0.216	0.125	0.083	0.042
lab*nce	0.833	0.216	0.125	0.083	0.042

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.833	0.216	0.125	0.083	0.042
lab*tch	0.833	0.216	0.125	0.083	0.042
lab*nch	0.833	0.216	0.125	0.083	0.042
relative Natural Colour (NC)	0.833	0.216	0.125	0.083	0.042
lab*trj	0.833	0.216	0.125	0.083	0.042
lab*tce	0.833	0.216	0.125	0.083	0.042
lab*nce	0.833	0.216	0.125	0.083	0.042

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	63.61	41.3	23.85	47.7	30.0
lab*tch	63.61	41.3	23.85	47.7	30.0
lab*nch	63.61	41.3	23.85	47.7	30.0
relative Natural Colour (NC)	63.61	41.3	23.85	47.7	30.0
lab*trj	63.61	41.3	23.85	47.7	30.0
lab*tce	63.61	41.3	23.85	47.7	30.0
lab*nce	63.61	41.3	23.85	47.7	30.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.833	0.216	0.125	0.083	0.042
lab*tch	0.833	0.216	0.125	0.083	0.042
lab*nch	0.833	0.216	0.125	0.083	0.042
relative Natural Colour (NC)	0.833	0.216	0.125	0.083	0.042
lab*trj	0.833	0.216	0.125	0.083	0.042
lab*tce	0.833	0.216	0.125	0.083	0.042
lab*nce	0.833	0.216	0.125	0.083	0.042

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	31.81	82.62	47.7	95.4	30.0
lab*tch	31.81	82.62	47.7	95.4	30.0
lab*nch	31.81	82.62	47.7	95.4	30.0
relative Natural Colour (NC)	31.81	82.62	47.7	95.4	30.0
lab*trj	31.81	82.62	47.7	95.4	30.0
lab*tce	31.81	82.62	47.7	95.4	30.0
lab*nce	31.81	82.62	47.7	95.4	30.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.833	0.216	0.125	0.083	0.042
lab*tch	0.833	0.216	0.125	0.083	0.042
lab*nch	0.833	0.216	0.125	0.083	0.042
relative Natural Colour (NC)	0.833	0.216	0.125	0.083	0.042
lab*trj	0.833	0.216	0.125	0.083	0.042
lab*tce	0.833	0.216	0.125	0.083	0.042
lab*nce	0.833	0.216	0.125	0.083	0.042

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.833	0.216	0.125	0.083	0.042
lab*tch	0.833	0.216	0.125	0.083	0.042
lab*nch	0.833	0.216	0.125	0.083	0.042
relative Natural Colour (NC)	0.833	0.216	0.125	0.083	0.042
lab*trj	0.833	0.216	0.125	0.083	0.042
lab*tce	0.833	0.216	0.125	0.083	0.042
lab*nce	0.833	0.216	0.125	0.083	0.042

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	31.81	82.62	47.7	95.4	30.0
lab*tch	31.81	82.62	47.7	95.4	30.0
lab*nch	31.81	82.62	47.7	95.4	30.0
relative Natural Colour (NC)	31.81	82.62	47.7	95.4	30.0
lab*trj	31.81	82.62	47.7	95.4	30.0
lab*tce	31.81	82.62	47.7	95.4	30.0
lab*nce	31.81	82.62	47.7	95.4	30.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.833	0.216	0.125	0.083	0.042
lab*tch	0.833	0.216	0.125	0.083	0.042
lab*nch	0.833	0.216	0.125	0.083	0.042
relative Natural Colour (NC)	0.833	0.216	0.125	0.083	0.042
lab*trj	0.833	0.216	0.125	0.083	0.042
lab*tce	0.833	0.216	0.125	0.083	0.042
lab*nce	0.833	0.216	0.125	0.083	0.042

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	31.81	82.62	47.7	95.4	30.0
lab*tch	31.81	82.62	47.7	95.4	30.0
lab*nch	31.81	82.62	47.7	95.4	30.0
relative Natural Colour (NC)	31.81	82.62	47.7	95.4	30.0
lab*trj	31.81	82.62	47.7	95.4	30.0
lab*tce	31.81	82.62	47.7	95.4	30.0
lab*nce	31.81	82.62	47.7	95.4	30.0

Input: Colorimetric Offset Reflective System ORS18

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

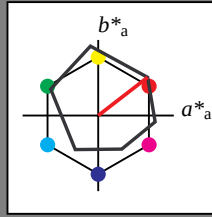
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Natural Reflective System NRS18

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

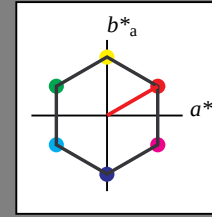
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

relative Inform. Technology (IT)					
olv3*	1.0	0.75	0.75	(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 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)					
olv3*	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	0.833	0.216	0.125		
lab*tch	0.875	0.25	0.083		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.833	0.248	0.027		
lab*tce	0.833	0.25	0.017		
lab*nce	0.0	0.25	0.06		

relative Inform. Technology (IT)					
olv3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.16	16.76	9.68		
LAB*LABa	63.16	16.76	9.68		
LAB*TCRa	62.5	19.34	30.0		
relative CIELAB lab*					
lab*lab	0.583	0.217	0.125		
lab*tch	0.625	0.25	0.083		
lab*nch	0.25	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.583	0.248	0.027		
lab*tce	0.625	0.25	0.017		
lab*nce	0.25	0.25	0.06		

relative Inform. Technology (IT)					
olv3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	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	56.72	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	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)					
olv3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	50.26	33.52	19.35		
LAB*LABa	50.26	33.52	19.35		
LAB*TCRa	50.0	38.7	30.0		
relative CIELAB lab*					
lab*lab	0.417	0.433	0.25		
lab*tch	0.417	0.433	0.25		
lab*nch	0.0	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.417	0.497	0.053		
lab*tce	0.5	0.5	0.017		
lab*nce	0.25	0.5	0.06		

relative Inform. Technology (IT)					
olv3*	0.5	0.0	0.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	50.27	29.02		
LAB*LABa	37.37	50.27	29.02		
LAB*TCRa	37.51	58.04	30.0		
relative CIELAB lab*					
lab*lab	0.25	0.649	0.375		
lab*tch	0.375	0.75	0.083		
lab*nch	0.25	0.75	0.083		
relative Natural Colour (NC)					
lab*trj	0.25	0.748	0.08		
lab*tce	0.375	0.75	0.017		
lab*nce	0.25	0.75	0.06		

relative Inform. Technology (IT)					
olv3*	0.25	0.0	0.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	24.47	16.75	9.67		
LAB*LABa	24.47	16.75	9.67		
LAB*TCRa	12.5	19.34	30.0		
relative CIELAB lab*					
lab*lab	0.083	0.216	0.125		
lab*tch	0.125	0.25	0.083		
lab*nch	0.75	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.083	0.248	0.027		
lab*tce	0.125	0.25	0.017		
lab*nce	0.75	0.25	0.06		

relative Inform. Technology (IT)					
olv3*	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	18.03	0.0	0.0		
LAB*LABa	18.03	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	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 30/360 = 0.083 (right)

relative Inform. Technology (IT)					
olv3*	1.0	0.5	0.5	(1.0)	
cmyn3*	0.0	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.61	33.51	19.35		
LAB*LABa	69.61	33.51	19.35		
LAB*TCRa	75.0	38.69	30.0		
relative CIELAB lab*					
lab*lab	0.667	0.433	0.25		
lab*tch	0.75	0.5	0.083		
lab*nch	0.0	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.667	0.497	0.053		
lab*tce	0.75	0.5	0.017		
lab*nch					

Input: Colorimetric Offset Reflective System ORS18

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

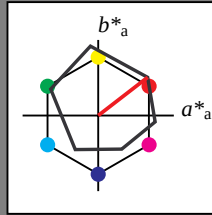
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

$n^* = 0,00$

0,75

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Standard Reflective System SRS18

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

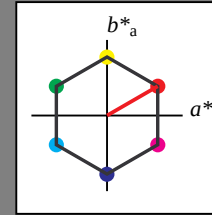
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,75

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Offset Reflective System ORS18

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

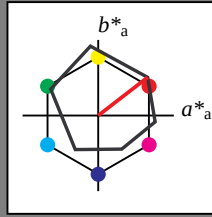
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

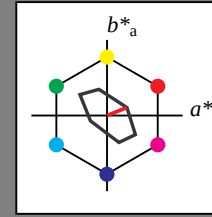
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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*TCHa	99.99	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			
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	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*TCHa	75.0	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			
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	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
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	(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	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*TCHa	25.0	0.0			
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*	0.25	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	71.38	0.0	0.0		
LAB*LABa	71.38	0.0	0.0		
LAB*TCHa	12.5	0.0			
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*	0.25	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	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCHa	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			
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	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.7	0.0	0.0		
LAB*LABa	63.7	0.0	0.0		
LAB*TCHa	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			
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	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCHa	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			
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	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCHa	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			
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 22/360 = 0.061 (right)

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	0.5	(1.0)	
cmyn3*	0.0	0.5	0.5	(0.0)	
olvi4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

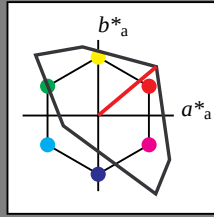
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Offset Reflective System ORS18

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

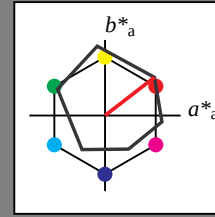
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 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	-0.98	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*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*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	-0.61	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*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*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	-0.24	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*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*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*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*trj	0.25	0.0	0.0		
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	-0.47		
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*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*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 38/360 = 0.105 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

relative Inform. Technology (IT)					
olvi3*	1.0	0.25	0.25	(1.0)	
cmyn3*	0.0	0.75	0.75	(0.0)	
olvi4*	1.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.75	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	59.8	-0.75	40.24		
LAB*LABa	59.8	0.0	0.0		
LAB*TCHa	62.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.54	0.593	0.458		
lab*lab	0.54	0.593	0.458		
lab*nch	0.625	0.75	0.105		
relative Natural Colour (NC)					
lab*trj	0.54	0.716	0.224		
lab*trj	0.54	0.716	0.224		
lab*nce	0.625	0.75	0.048		

relative Inform. Technology (IT)					
olvi3*	0.75	0.0	0.0	(1.0)	
cmyn3*	0.25	1.0	1.0	(0.0)	
olvi4*	1.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.75	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.94	65.37	50.51		
LAB*LABa	47.94	65.37	50.51		
LAB*TCHa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.387	0.791	0.611		
lab*lab	0.387	0.791	0.611		
lab*nch	0.5	1.0	0.105		
relative Natural Colour (NC)					
lab*trj	0.387	0.954	0.299		
lab*trj	0.387	0.954	0.299		
lab*nce	0.5	1.0	0.048		

relative Inform. Technology (IT)					
olvi3*	0.5	0.0	0.0	(1.0)	
cmyn3*	0.5	1.0	1.0	(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	32.98	32.9	25.8		
LAB*LABa	32.98	32.9	25.8		
LAB*TCHa	25.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.193	0.396	0.306		
lab*lab	0.193	0.396	0.306		
lab*nch	0.5	0.5	0.105		
relative Natural Colour (NC)					
lab*trj	0.193	0.477	0.15		
lab*trj	0.193	0.477	0.15		
lab*nce	0.5	0.5	0.048		

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	12.66		
LAB*LABa	25.5	16.7	12.66		
LAB*TCHa	12.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.097	0.198	0.153		
lab*lab	0.097	0.198	0.153		
lab*nch	0.75	0.25	0.105		
relative Natural Colour (NC)					
lab*trj	0.097	0.25	0.075		
lab*trj	0.097	0.25	0.075		
lab*nce	0.75	0.25	0.048		

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

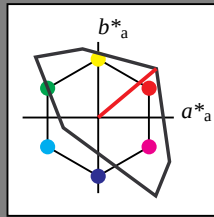
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

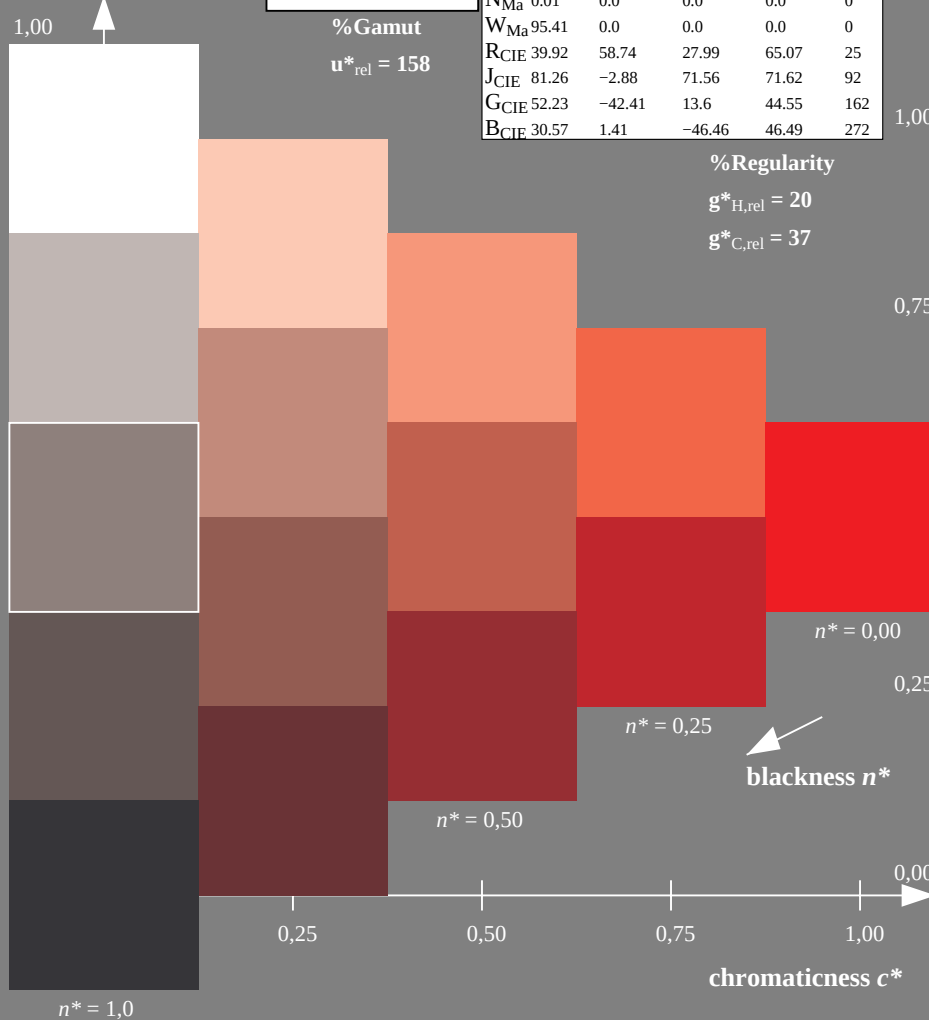
$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

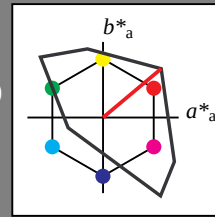
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

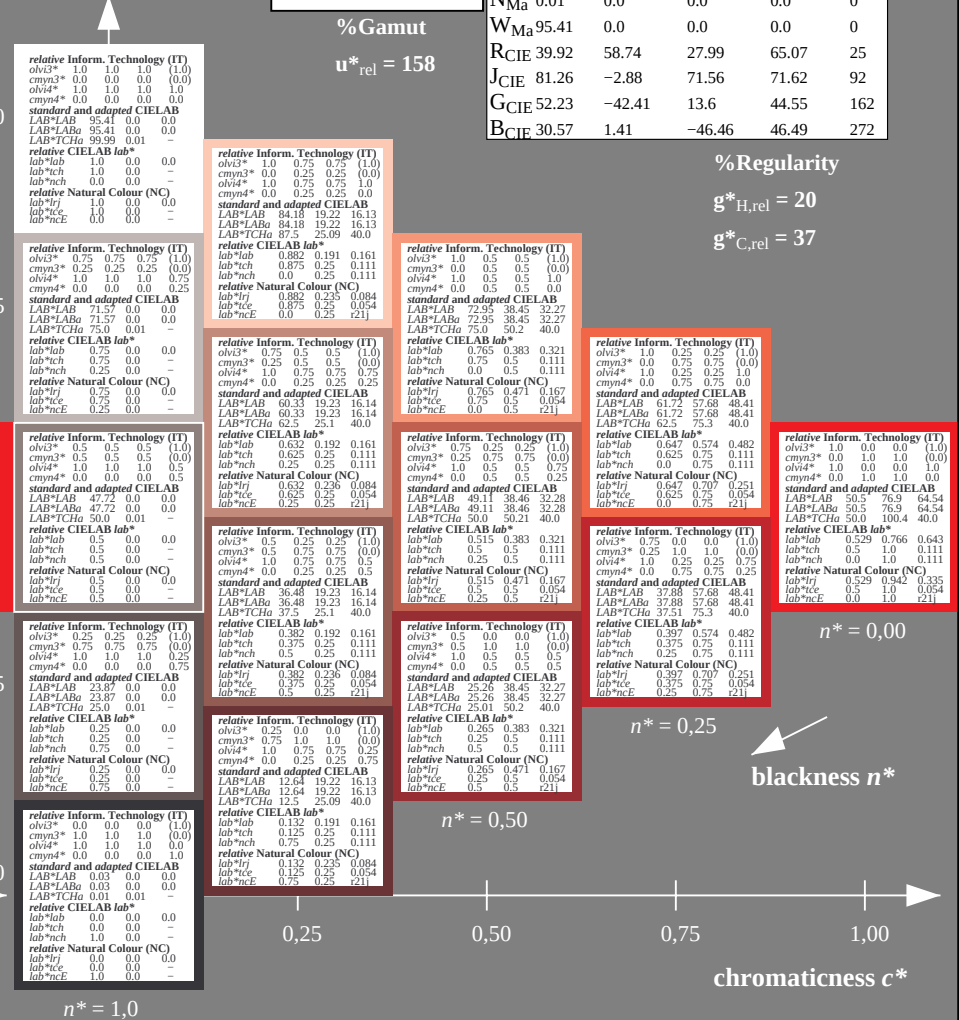
$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

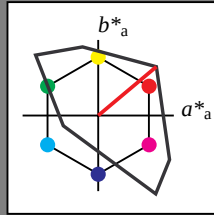
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

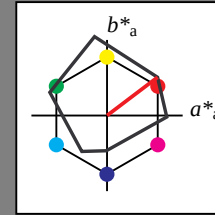
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

1,00

0,75

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

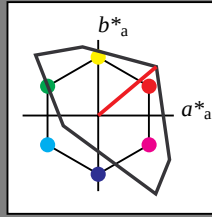
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

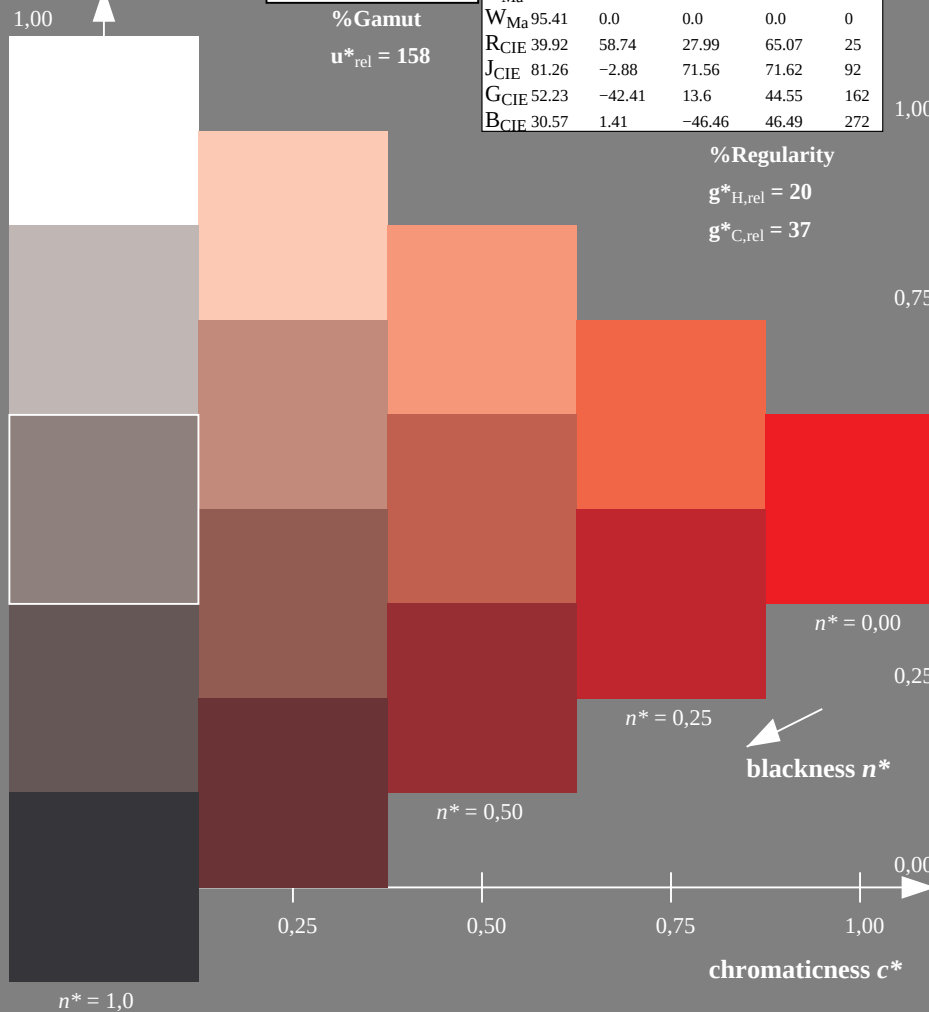
$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

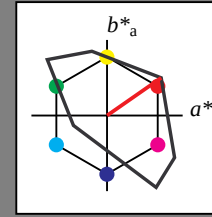
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

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	0.0
cmyn4*	0.0	0.0	0.0	0.0

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*nce	0.0	0.0	0.0

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

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*nch	0.25	0.0	0.0

lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*nce	0.25	0.0	0.0

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

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0

lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

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

LAB*LAB	84.74	17.9	12.47
LAB*LABa	84.74	17.9	12.47
LAB*TCHa	87.5	21.81	34.85

lab*lab	0.862	0.205	0.143
lab*lab	0.875	0.25	0.097
lab*nch	0.0	0.25	0.097

lab*trj	0.862	0.244	0.055
lab*trj	0.875	0.25	0.035
lab*nce	0.0	0.25	0.14

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	0.75
cmyn4*	0.0	0.25	0.25	0.25

LAB*LAB	65.4	17.91	12.47
LAB*LABa	65.4	17.91	12.47
LAB*TCHa	62.5	21.82	34.85

lab*lab	0.612	0.205	0.143
lab*lab	0.625	0.25	0.097
lab*nch	0.25	0.25	0.097

lab*trj	0.612	0.244	0.055
lab*trj	0.625	0.25	0.035
lab*nce	0.25	0.25	0.14

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	0.5
cmyn4*	0.0	0.25	0.25	0.5

LAB*LAB	46.05	17.91	12.47
LAB*LABa	46.05	17.91	12.47
LAB*TCHa	37.5	21.82	34.85

lab*lab	0.362	0.205	0.143
lab*lab	0.375	0.25	0.097
lab*nch	0.5	0.25	0.097

lab*trj	0.362	0.244	0.055
lab*trj	0.375	0.25	0.035
lab*nce	0.5	0.25	0.14

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

LAB*LAB	74.08	35.81	24.94
LAB*LABa	74.08	35.81	24.94
LAB*TCHa	75.0	43.63	34.85

lab*lab	0.724	0.41	0.286
lab*lab	0.75	0.5	0.097
lab*nch	0.0	0.5	0.097

lab*trj	0.724	0.488	0.109
lab*trj	0.75	0.5	0.035
lab*nce	0.0	0.5	0.14

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

LAB*LAB	54.74	35.82	24.94
LAB*LABa	54.74	35.82	24.94
LAB*TCHa	50.0	43.64	34.85

lab*lab	0.474	0.41	0.286
lab*lab	0.5	0.5	0.097
lab*nch	0.25	0.5	0.097

lab*trj	0.474	0.488	0.109
lab*trj	0.5	0.5	0.035
lab*nce	0.25	0.5	0.14

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

LAB*LAB	35.39	35.81	24.94
LAB*LABa	35.39	35.81	24.94
LAB*TCHa	25.01	43.63	34.85

lab*lab	0.225	0.41	0.286
lab*lab	0.25	0.5	0.097
lab*nch	0.5	0.5	0.097

lab*trj	0.225	0.488	0.109
lab*trj	0.25	0.5	0.035
lab*nce	0.5	0.5	0.14

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

LAB*LAB	63.42	53.72	37.41
LAB*LABa	63.42	53.72	37.41
LAB*TCHa	62.5	65.46	34.85

lab*lab	0.587	0.615	0.429
lab*lab	0.625	0.75	0.097
lab*nch	0.0	0.75	0.097

lab*trj	0.587	0.732	0.164
lab*trj	0.625	0.75	0.035
lab*nce	0.0	0.75	0.14

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

LAB*LAB	44.08	53.72	37.41
LAB*LABa	44.08	53.72	37.41
LAB*TCHa	37.51	65.46	34.85

lab*lab	0.337	0.615	0.429
lab*lab	0.375	0.75	0.097
lab*nch	0.25	0.75	0.097

lab*trj	0.337	0.732	0.164
lab*trj	0.375	0.75	0.035
lab*nce	0.25	0.75	0.14

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

LAB*LAB	26.7	17.9	12.47
LAB*LABa	26.7	17.9	12.47
LAB*TCHa	12.5	21.81	34.85

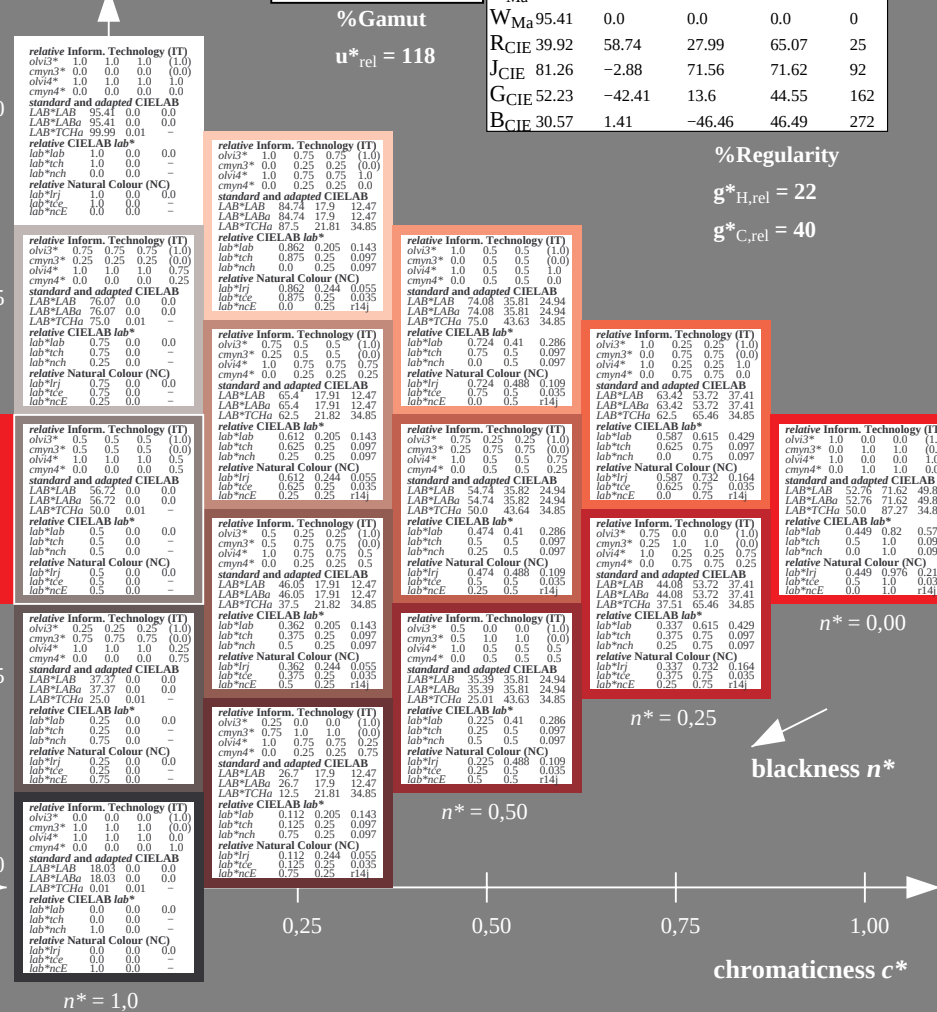
lab*lab	0.112	0.205	0.143
lab*lab	0.125	0.25	0.097
lab*nch	0.75	0.25	0.097

lab*trj	0.112	0.244	0.055
lab*trj	0.125	0.25	0.035
lab*nce	0.75	0.25	0.14

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

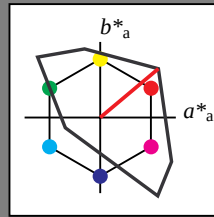
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Natural Luminous System NLS00

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

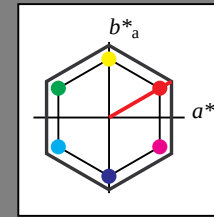
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

lab^*tch and lab^*nch

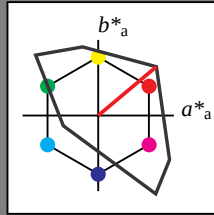
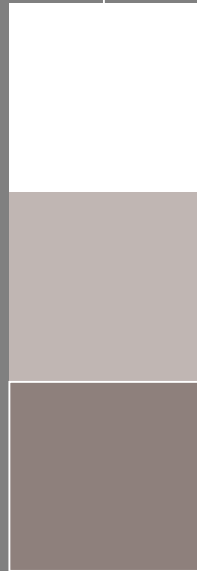
D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Natural Reflective System NRS18

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

lab^*tch and lab^*nch

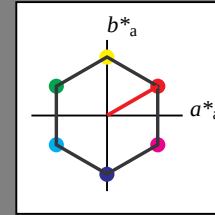
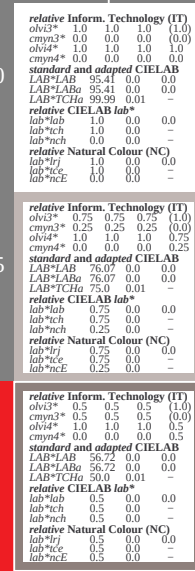
D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 100$

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
lab*trj	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	1.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.833	0.216	0.125	0.083	0.083
lab*tch	0.875	0.25	0.083	0.0	0.0
lab*nch	0.0	0.25	0.083	0.0	0.0
lab*trj	0.833	0.248	0.027	0.0	0.0
lab*tce	0.833	0.25	0.017	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.583	0.217	0.125	0.083	0.083
lab*tch	0.625	0.25	0.083	0.0	0.0
lab*nch	0.25	0.25	0.083	0.0	0.0
lab*trj	0.583	0.248	0.027	0.0	0.0
lab*tce	0.625	0.25	0.017	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.333	0.217	0.125	0.083	0.083
lab*tch	0.375	0.25	0.083	0.0	0.0
lab*nch	0.5	0.25	0.083	0.0	0.0
lab*trj	0.333	0.248	0.027	0.0	0.0
lab*tce	0.375	0.25	0.017	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.083	0.216	0.125	0.083	0.083
lab*tch	0.125	0.25	0.083	0.0	0.0
lab*nch	0.75	0.25	0.083	0.0	0.0
lab*trj	0.083	0.248	0.027	0.0	0.0
lab*tce	0.125	0.25	0.017	0.0	0.0

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 1,0$

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

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

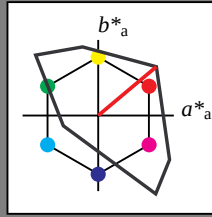
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Standard Reflective System SRS18

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

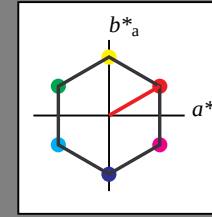
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

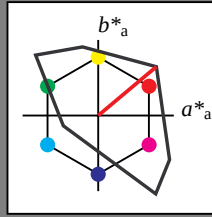
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

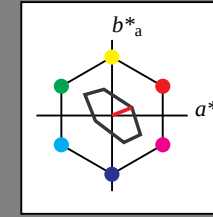
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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	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	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*LABb	88.98	0.0	0.0		
LAB*LABc	88.98	0.0	0.0		
LAB*LABd	88.98	0.0	0.0		
LAB*LABe	88.98	0.0	0.0		
LAB*LABf	88.98	0.0	0.0		
LAB*LABg	88.98	0.0	0.0		
LAB*LABh	88.98	0.0	0.0		
LAB*LABi	88.98	0.0	0.0		
LAB*LABj	88.98	0.0	0.0		
LAB*LABk	88.98	0.0	0.0		
LAB*LABl	88.98	0.0	0.0		
LAB*LABm	88.98	0.0	0.0		
LAB*LABn	88.98	0.0	0.0		
LAB*LABo	88.98	0.0	0.0		
LAB*LABp	88.98	0.0	0.0		
LAB*LABq	88.98	0.0	0.0		
LAB*LABr	88.98	0.0	0.0		
LAB*LABs	88.98	0.0	0.0		
LAB*LABt	88.98	0.0	0.0		
LAB*LABu	88.98	0.0	0.0		
LAB*LABv	88.98	0.0	0.0		
LAB*LABw	88.98	0.0	0.0		
LAB*LABx	88.98	0.0	0.0		
LAB*LABy	88.98	0.0	0.0		
LAB*LABz	88.98	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	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
LAB*LABb	82.56	0.0	0.0		
LAB*LABc	82.56	0.0	0.0		
LAB*LABd	82.56	0.0	0.0		
LAB*LABe	82.56	0.0	0.0		
LAB*LABf	82.56	0.0	0.0		
LAB*LABg	82.56	0.0	0.0		
LAB*LABh	82.56	0.0	0.0		
LAB*LABi	82.56	0.0	0.0		
LAB*LABj	82.56	0.0	0.0		
LAB*LABk	82.56	0.0	0.0		
LAB*LABl	82.56	0.0	0.0		
LAB*LABm	82.56	0.0	0.0		
LAB*LABn	82.56	0.0	0.0		
LAB*LABo	82.56	0.0	0.0		
LAB*LABp	82.56	0.0	0.0		
LAB*LABq	82.56	0.0	0.0		
LAB*LABr	82.56	0.0	0.0		
LAB*LABs	82.56	0.0	0.0		
LAB*LABt	82.56	0.0	0.0		
LAB*LABu	82.56	0.0	0.0		
LAB*LABv	82.56	0.0	0.0		
LAB*LABw	82.56	0.0	0.0		
LAB*LABx	82.56	0.0	0.0		
LAB*LABy	82.56	0.0	0.0		
LAB*LABz	82.56	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	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*LABb	76.13	0.0	0.0		
LAB*LABc	76.13	0.0	0.0		
LAB*LABd	76.13	0.0	0.0		
LAB*LABe	76.13	0.0	0.0		
LAB*LABf	76.13	0.0	0.0		
LAB*LABg	76.13	0.0	0.0		
LAB*LABh	76.13	0.0	0.0		
LAB*LABi	76.13	0.0	0.0		
LAB*LABj	76.13	0.0	0.0		
LAB*LABk	76.13	0.0	0.0		
LAB*LABl	76.13	0.0	0.0		
LAB*LABm	76.13	0.0	0.0		
LAB*LABn	76.13	0.0	0.0		
LAB*LABo	76.13	0.0	0.0		
LAB*LABp	76.13	0.0	0.0		
LAB*LABq	76.13	0.0	0.0		
LAB*LABr	76.13	0.0	0.0		
LAB*LABs	76.13	0.0	0.0		
LAB*LABt	76.13	0.0	0.0		
LAB*LABu	76.13	0.0	0.0		
LAB*LABv	76.13	0.0	0.0		
LAB*LABw	76.13	0.0	0.0		
LAB*LABx	76.13	0.0	0.0		
LAB*LABy	76.13	0.0	0.0		
LAB*LABz	76.13	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	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*LABb	69.7	0.0	0.0		
LAB*LABc	69.7	0.0	0.0		
LAB*LABd	69.7	0.0	0.0		
LAB*LABe	69.7	0.0	0.0		
LAB*LABf	69.7	0.0	0.0		
LAB*LABg	69.7	0.0	0.0		
LAB*LABh	69.7	0.0	0.0		
LAB*LABi	69.7	0.0	0.0		
LAB*LABj	69.7	0.0	0.0		
LAB*LABk	69.7	0.0	0.0		
LAB*LABl	69.7	0.0	0.0		
LAB*LABm	69.7	0.0	0.0		
LAB*LABn	69.7	0.0	0.0		
LAB*LABo	69.7	0.0	0.0		
LAB*LABp	69.7	0.0	0.0		
LAB*LABq	69.7	0.0	0.0		
LAB*LABr	69.7	0.0	0.0		
LAB*LABs	69.7	0.0	0.0		
LAB*LABt	69.7	0.0	0.0		
LAB*LABu	69.7	0.0	0.0		
LAB*LABv	69.7	0.0	0.0		
LAB*LABw	69.7	0.0	0.0		
LAB*LABx	69.7	0.0	0.0		
LAB*LABy	69.7	0.0	0.0		
LAB*LABz	69.7	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 22/360 = 0.061 (right)

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)			
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Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

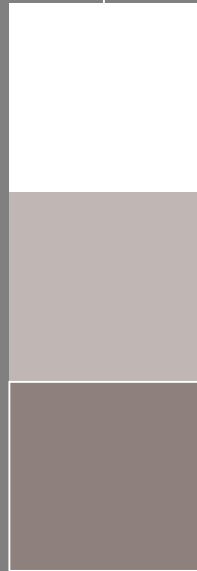
D65: hue O

LCH*Ma: 42 84 37

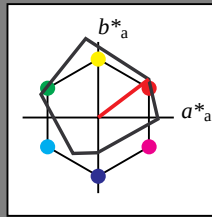
ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

0,50

0,25

0,00

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

lab^*tch and lab^*nch

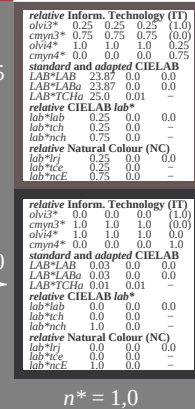
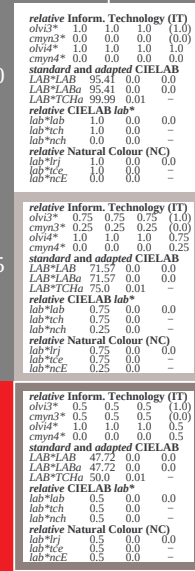
D65: hue O

LCH*Ma: 51 100 40

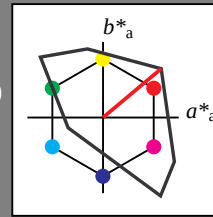
ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 158$

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		
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		

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

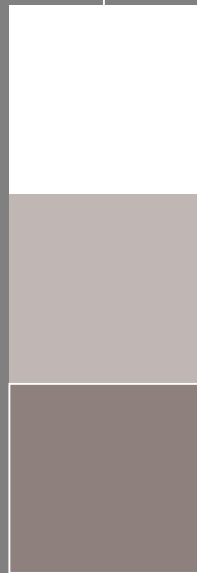
D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

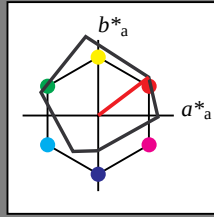
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 37/360 = 0.103 (left)



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

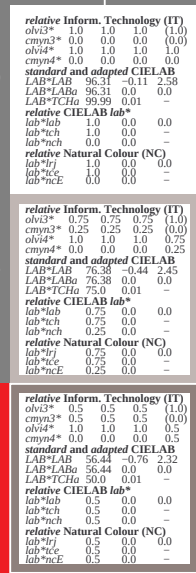
D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

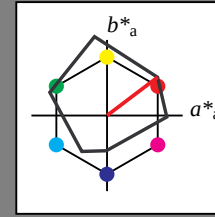
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

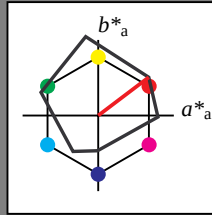
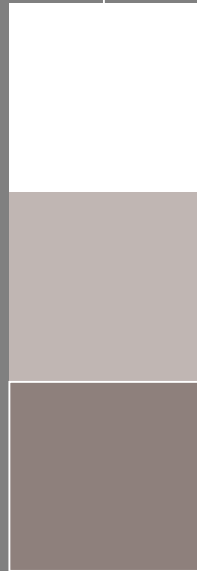
D65: hue O

LCH*Ma: 42 84 37

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	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	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	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	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	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	0.0	0.0	0.0
lab*ch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	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	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 37/360 = 0.103 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

lab^*tch and lab^*nch

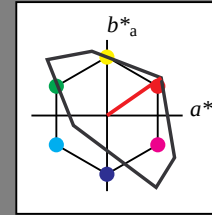
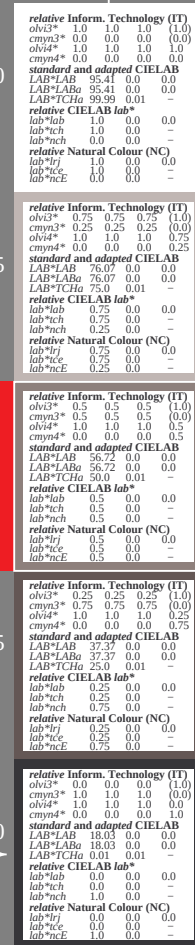
D65: hue O

LCH*Ma: 53 87 35

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)									
olvi3*	1.0	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	84.74	17.9	12.47	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	84.74	17.9	12.47	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	87.5	21.81	34.85	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.862	0.205	0.143	0.0	0.0	0.0	0.0	0.0	0.0
lab*ch	0.875	0.25	0.097	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.097	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.862	0.244	0.055	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.875	0.25	0.035	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.14	0.0	0.0	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^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

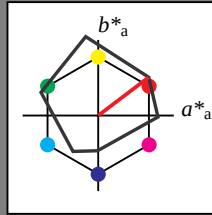
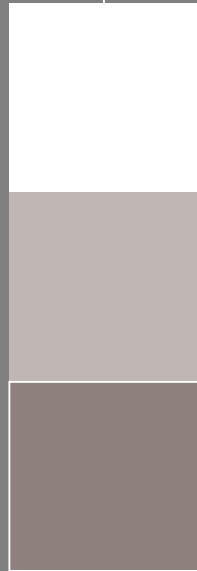
D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 37/360 = 0.103 (left)

Output: Colorimetric Natural Luminous System NLS00

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

lab^*tch and lab^*nch

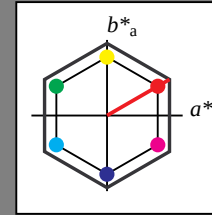
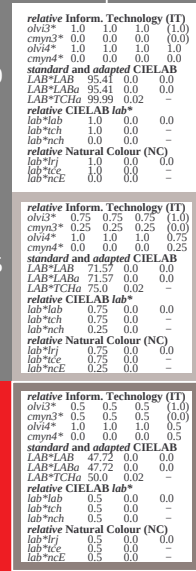
D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 152$

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 30/360 = 0.083 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

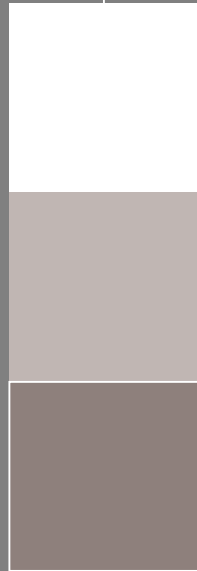
D65: hue O

LCH*Ma: 42 84 37

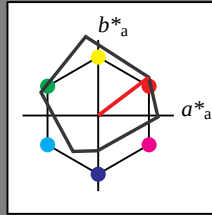
olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

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

lab^*tch and lab^*nch

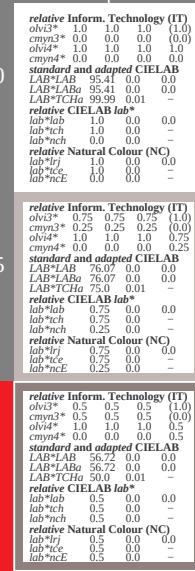
D65: hue O

LCH*Ma: 44 77 30

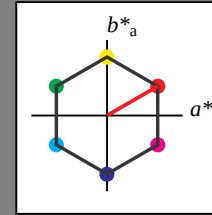
olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 37/360 = 0.103 (left)

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

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

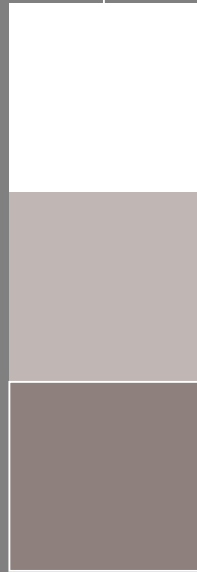
D65: hue O

LCH*Ma: 42 84 37

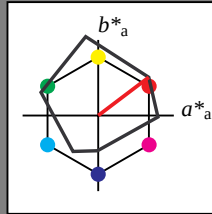
olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*nch

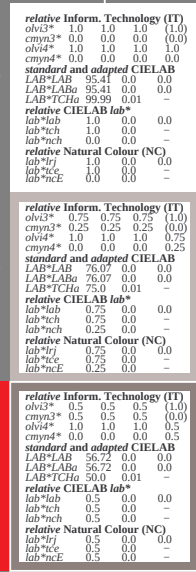
D65: hue O

LCH*Ma: 57 77 30

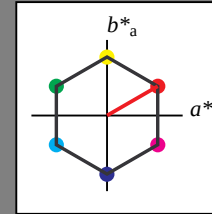
olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 37/360 = 0.103 (left)

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

5 step scales for constant CIELAB hue 22/360 = 0.061 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

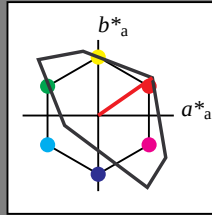
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Offset Reflective System ORS18

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

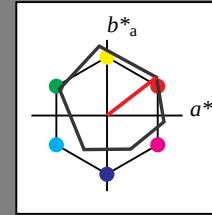
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

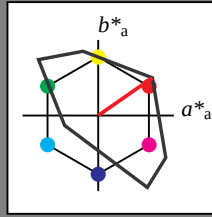
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

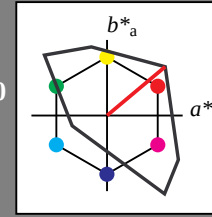
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

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*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	0.0	0.0	(0.0)	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCHa	50.0	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	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	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	0.75	
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	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	0.25	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	1.0	
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	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	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*	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	84.18	19.22	16.13		
LAB*LABa	84.18	19.22	16.13		
LAB*TCHa	87.5	25.09	40.0		
relative CIELAB lab*					
lab*lab	0.882	0.191	0.161		
lab*ch	0.875	0.25	0.111		
lab*nch	0.0	0.25	0.111		
relative Natural Colour (NC)					
lab*trj	0.882	0.25	0.084		
lab*nce	0.875	0.25	0.054		
lab*nce	0.0	0.25	0.21		

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	0.25	
standard and adapted CIELAB					
LAB*LAB	60.33	19.23	16.14		
LAB*LABa	60.33	19.23	16.14		
LAB*TCHa	62.5	25.1	40.0		
relative CIELAB lab*					
lab*lab	0.632	0.192	0.161		
lab*ch	0.625	0.25	0.111		
lab*nch	0.25	0.25	0.111		
relative Natural Colour (NC)					
lab*trj	0.632	0.25	0.084		
lab*nce	0.625	0.25	0.054		
lab*nce	0.25	0.25	0.21		

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	0.5	
standard and adapted CIELAB					
LAB*LAB	36.48	19.23	16.14		
LAB*LABa	36.48	19.23	16.14		
LAB*TCHa	37.5	25.1	40.0		
relative CIELAB lab*					
lab*lab	0.382	0.192	0.161		
lab*ch	0.375	0.25	0.111		
lab*nch	0.5	0.25	0.111		
relative Natural Colour (NC)					
lab*trj	0.382	0.25	0.084		
lab*nce	0.375	0.25	0.054		
lab*nce	0.5	0.25	0.21		

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	0.75	
standard and adapted CIELAB					
LAB*LAB	12.64	19.22	16.13		
LAB*LABa	12.64	19.22	16.13		
LAB*TCHa	12.5	25.09	40.0		
relative CIELAB lab*					
lab*lab	0.132	0.191	0.161		
lab*ch	0.125	0.25	0.111		
lab*nch	0.75	0.25	0.111		
relative Natural Colour (NC)					
lab*trj	0.132	0.25	0.084		
lab*nce	0.125	0.25	0.054		
lab*nce	0.75	0.25	0.21		

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	0.03	0.0	0.0		
LAB*LABa	0.03	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	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*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(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	72.95	38.45	32.27	
LAB*LABa	72.95	38.45	32.27	
LAB*TCHa	75.0	50.2	40.0	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

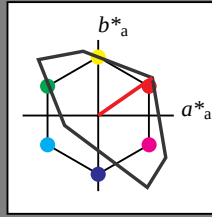
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

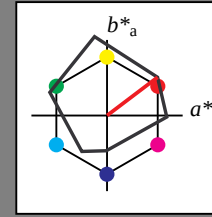
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 37/360 = 0.103 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

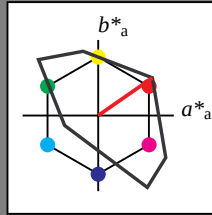
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

ol*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Natural Luminous System NLS00

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

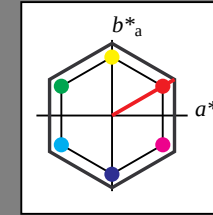
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

ol*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

1,00

0,75

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

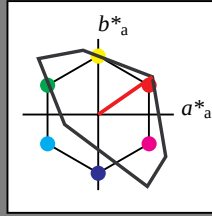
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Natural Reflective System NRS18

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

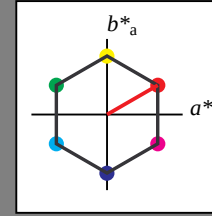
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

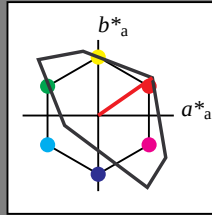
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,75

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Standard Reflective System SRS18

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

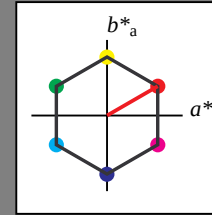
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,75

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

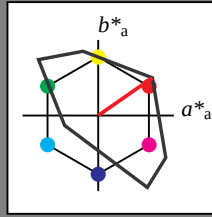
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

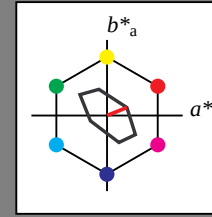
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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*TCHa	99.99	0.0			
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	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*TCHa	75.0	0.0			
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	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
LAB*TCHa	50.0	0.0			
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	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*TCHa	25.0	0.0			
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	0.75	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	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCHa	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			
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 22/360 = 0.061 (right)

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Natural Luminous System NLS00

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

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

Input: Colorimetric Natural Luminous System NLS00

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

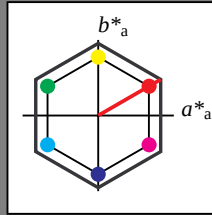
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

ol*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

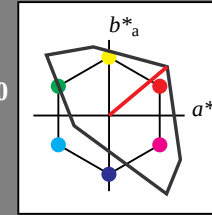
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

ol*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

Input: Colorimetric Natural Luminous System NLS00

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

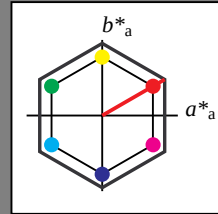
1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

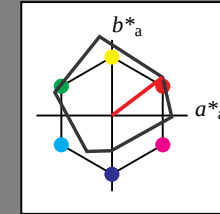
1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)

Input: Colorimetric Natural Luminous System NLS00

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

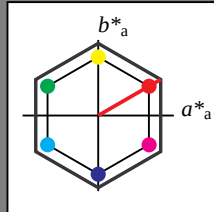
1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

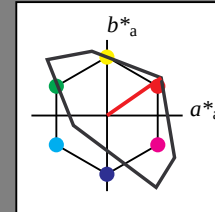
1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Natural Luminous System NLS00

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

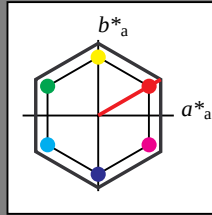
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Natural Luminous System NLS00

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

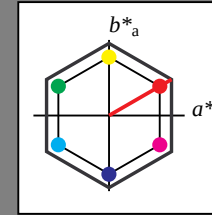
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 30/360 = 0.083 (right)

Input: Colorimetric Natural Luminous System NLS00

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

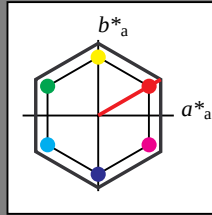
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

ol*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Natural Reflective System NRS18

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

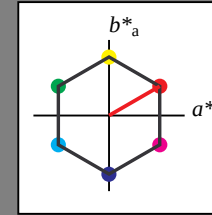
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 30/360 = 0.083 (right)

Input: Colorimetric Natural Luminous System NLS00

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

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

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

Input: Colorimetric Natural Luminous System NLS00

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

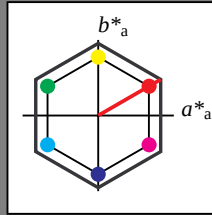
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

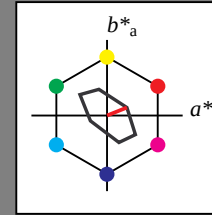
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 22/360 = 0.061 (right)

Input: Colorimetric Natural Reflective System NRS18

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

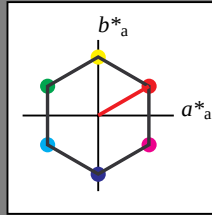
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Offset Reflective System ORS18

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

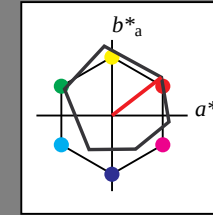
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Natural Reflective System NRS18

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

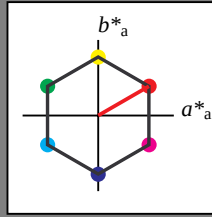
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

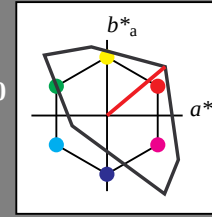
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

Input: Colorimetric Natural Reflective System NRS18

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

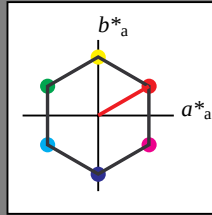
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

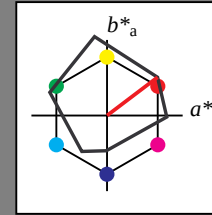
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

ol*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)

Input: Colorimetric Natural Reflective System NRS18

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

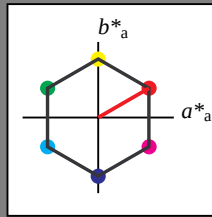
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

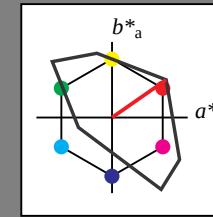
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Natural Reflective System NRS18

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

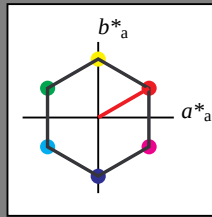
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

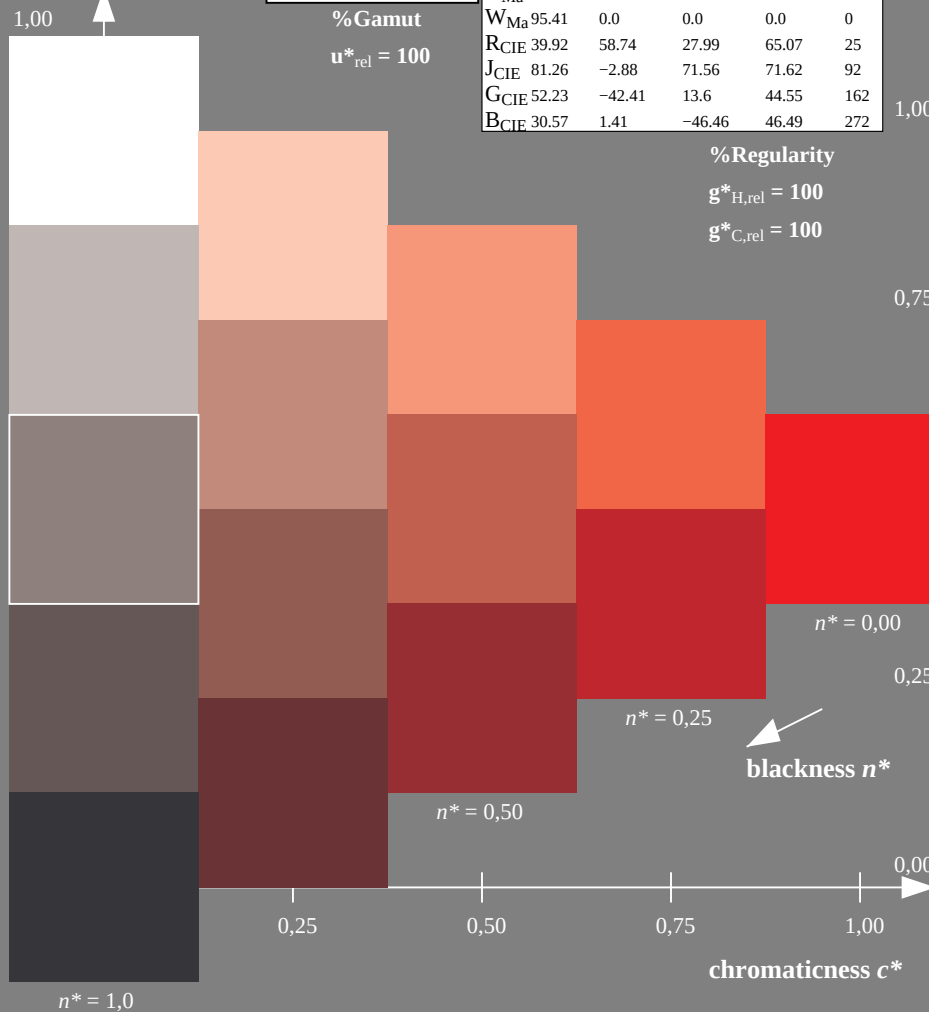
$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Natural Luminous System NLS00

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

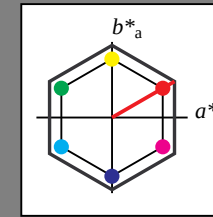
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	79.51	20.65	11.92	79.51	20.65
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	55.66	20.66	11.93	55.66	20.66
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	39.76	41.31	23.85	39.76	41.31
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	12.5	23.84	30.0	12.5	23.84
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	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)

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	63.61	41.3	23.85	63.61	41.3
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	39.76	41.31	23.85	39.76	41.31
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	23.87	0.0	0.0	23.87	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	23.87	0.0	0.0	23.87	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	0.5	(1.0)	
cmyn3*	0.0	0.5	0.5	(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	63.61	41.3	23.85		
LAB*LABa	63.61	41.3	23.85		
LAB*TCha	75.0	47.69	30.0		
relative CIELAB Lab*					

Input: Colorimetric Natural Reflective System NRS18

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

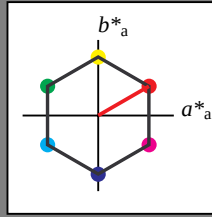
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Natural Reflective System NRS18

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

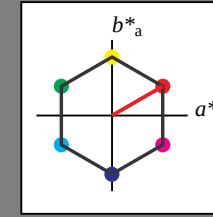
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	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		
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	0.5	0.5	1.0	(1.0)
cmyn3*	0.25	0.5	0.5	0.0	(0.0)
olvi4*	1.0	0.75	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.25	0.5	(0.5)
standard and adapted CIELAB					
LAB*LAB	63.16	16.76	9.68		
LAB*LABa	63.16	16.76	9.68		
LAB*TCHa	62.5	19.35	30.0		
relative CIELAB lab*					
lab*lab	0.833	0.216	0.125		
lab*tch	0.875	0.25	0.083		
lab*nch	0.0	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.833	0.249	0.027		
lab*tce	0.833	0.25	0.017		
lab*nce	0.0	0.25	0.06		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	1.0	(1.0)
cmyn3*	0.5	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	0.5	(0.5)
standard and adapted CIELAB					
LAB*LAB	50.26	33.52	19.35		
LAB*LABa	50.26	33.52	19.35		
LAB*TCHa	50.0	38.7	30.0		
relative CIELAB lab*					
lab*lab	0.583	0.217	0.125		
lab*tch	0.625	0.25	0.083		
lab*nch	0.25	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.583	0.249	0.027		
lab*tce	0.625	0.25	0.017		
lab*nce	0.25	0.25	0.06		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	1.0	1.0	0.0	(0.0)
olvi4*	1.0	0.75	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.25	0.75	(0.75)
standard and adapted CIELAB					
LAB*LAB	24.47	16.75	9.67		
LAB*LABa	24.47	16.75	9.67		
LAB*TCHa	12.5	19.34	30.0		
relative CIELAB lab*					
lab*lab	0.083	0.216	0.125		
lab*tch	0.125	0.25	0.083		
lab*nch	0.75	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.083	0.249	0.027		
lab*tce	0.125	0.25	0.017		
lab*nce	0.75	0.25	0.06		

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	0.5	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	69.61	33.51	19.35		
LAB*LABa	69.61	33.51	19.35		
LAB*TCHa	75.0	38.69	30.0		
relative CIELAB lab*					
lab*lab	0.667	0.433	0.25		
lab*tch	0.75	0.5	0.083		
lab*nch	0.0	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.667	0.497	0.033		
lab*tce	0.75	0.5	0.017		
lab*nce	0.0	0.5	0.06		

relative Inform. Technology (IT)					
olvi3*	0.75	0.25	0.25	1.0	(1.0)
cmyn3*	0.25	0.75	0.75	0.0	(0.0)
olvi4*	1.0	0.5	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.5	0.25	(0.25)
standard and adapted CIELAB					
LAB*LAB	50.26	33.52	19.35		
LAB*LABa	50.26	33.52	19.35		
LAB*TCHa	50.0	38.7	30.0		
relative CIELAB lab*					
lab*lab	0.417	0.433	0.25		
lab*tch	0.5	0.5	0.083		
lab*nch	0.25	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.417	0.497	0.033		
lab*tce	0.5	0.5	0.017		
lab*nce	0.25	0.5	0.06		

relative Inform. Technology (IT)					
olvi3*	0.5	0.0	0.0	1.0	(1.0)
cmyn3*	0.5	1.0	1.0	0.0	(0.0)
olvi4*	1.0	0.5	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.5	0.5	(0.5)
standard and adapted CIELAB					
LAB*LAB	30.92	33.51	19.35		
LAB*LABa	30.92	33.51	19.35		
LAB*TCHa	25.01	38.69	30.0		
relative CIELAB lab*					
lab*lab	0.167	0.433	0.25		
lab*tch	0.25	0.5	0.083		
lab*nch	0.5	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.167	0.497	0.033		
lab*tce	0.25	0.5	0.017		
lab*nce	0.5	0.5	0.06		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	1.0	(1.0)
cmyn3*	0.75	1.0	1.0	0.0	(0.0)
olvi4*	1.0	0.75	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.25	0.75	(0.75)
standard and adapted CIELAB					
LAB*LAB	24.47	16.75	9.67		
LAB*LABa	24.47	16.75	9.67		
LAB*TCHa	12.5	19.34	30.0		
relative CIELAB lab*					
lab*lab	0.083	0.216	0.125		
lab*tch	0.125	0.25	0.083		
lab*nch	0.75	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.083	0.249	0.027		
lab*tce	0.125	0.25	0.017		
lab*nce	0.75	0.25	0.06		

relative Inform. Technology (IT)					
olvi3*	1.0	0.25	0.25	1.0	(1.0)
cmyn3*	0.0	0.75	0.75	0.0	(0.0)
olvi4*	1.0	0.25	0.25	1.0	(1.0)
cmyn4*	0.0	0.75	0.75	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.71	50.27	29.02		
LAB*LABa	56.71	50.27	29.02		
LAB*TCHa	62.5	38.04	30.0		
relative CIELAB lab*					
lab*lab	0.5	0.649	0.375		
lab*tch	0.625	0.75	0.083		
lab*nch	0.0	0.75	0.083		
relative Natural Colour (NC)					
lab*trj	0.5	0.746	0.08		
lab*tce					

Input: Colorimetric Natural Reflective System NRS18

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

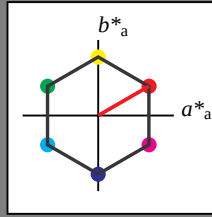
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Standard Reflective System SRS18

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

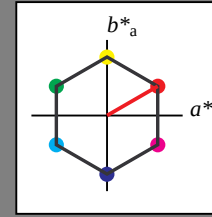
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Natural Reflective System NRS18

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

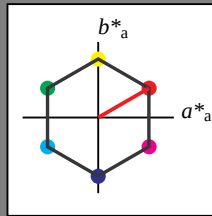
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

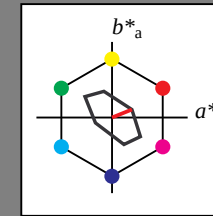
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$u^*_{rel} = 16$

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 22/360 = 0.061 (right)

Input: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

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blackness n^*

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blackness n^*

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blackness n^*

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blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

Input: Colorimetric Standard Reflective System SRS18

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

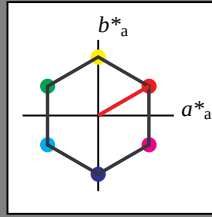
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

ol*Ma: 1.0 0.0 0.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0.00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

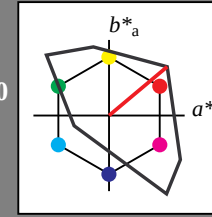
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

ol*Ma: 1.0 0.0 0.0

triangle lightness



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0.00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 40/360 = 0.111 (right)



Input: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

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$n^* = 0,00$

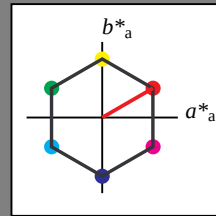
$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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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$n^* = 1,00$

$n^* = 1,00$

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$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

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$n^* = 1,00$

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$n^* = 1,00$

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$n^* = 1,00$

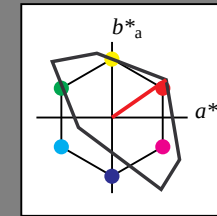
$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$



%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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TLS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Standard Reflective System SRS18

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

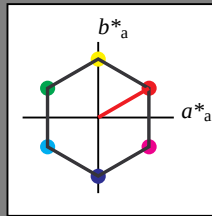
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Natural Luminous System NLS00

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

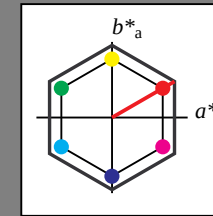
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 1,0$

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

Input: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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

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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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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^*

0,25

0,50

0,75

1,00

Input: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

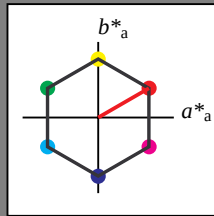
blackness n^*

0,25

0,50

0,75

1,00



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

Output: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

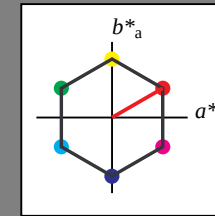
blackness n^*

0,25

0,50

0,75

1,00



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

OE400-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

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

Input: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

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Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

ol*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

$n^* = 1,0$

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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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$n^* = 1,0$

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0,75

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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

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

1,00

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

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

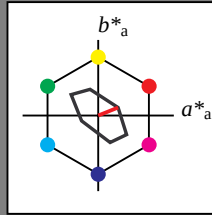
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

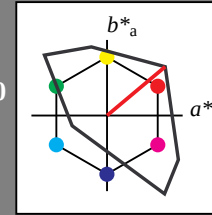
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

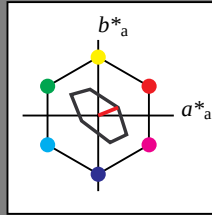
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

ol*Ma: 1.0 0.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

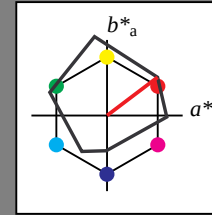
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

ol*Ma: 1.0 0.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

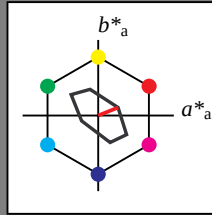
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

Output: Colorimetric Natural Luminous System NLS00

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

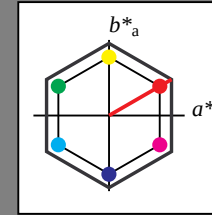
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

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*TChe	99.99	0.02	-	-	-

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	71.57	0.0	0.0	0.0	0.0
LAB*TChe	75.0	0.02	-	-	-

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	71.57	0.0	0.0	0.0	0.0
LAB*TChe	75.0	0.02	-	-	-

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	55.66	20.66	11.93	0.0	0.0
LAB*TChe	55.66	20.66	11.93	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	47.72	0.0	0.0	0.0	0.0
LAB*TChe	50.0	0.02	-	-	-

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	47.72	0.0	0.0	0.0	0.0
LAB*TChe	50.0	0.02	-	-	-

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	23.87	0.0	0.0	0.0	0.0
LAB*TChe	25.0	0.02	-	-	-

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	23.87	0.0	0.0	0.0	0.0
LAB*TChe	25.0	0.02	-	-	-

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	0.03	0.0	0.0	0.0	0.0
LAB*TChe	0.01	0.02	-	-	-

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	0.03	0.0	0.0	0.0	0.0
LAB*TChe	0.01	0.02	-	-	-

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	0.03	0.0	0.0	0.0	0.0
LAB*TChe	0.01	0.02	-	-	-

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	0.03	0.0	0.0	0.0	0.0
LAB*TChe	0.01	0.02	-	-	-

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	0.03	0.0	0.0	0.0	0.0
LAB*TChe	0.01	0.02	-	-	-

$n^* = 1,0$

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

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

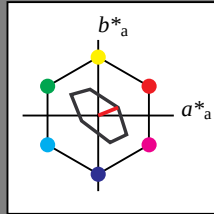
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

Output: Colorimetric Natural Reflective System NRS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

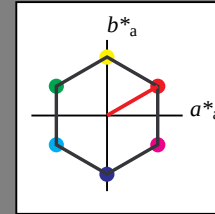
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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^*

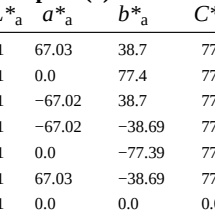
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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^*

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blackness n^*

blackness n^*

blackness n^*

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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

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0,75

1,00

chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

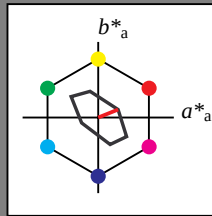
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 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)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 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*

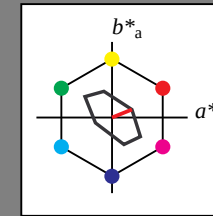
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 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)

OE400-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

5 step scales for constant CIELAB hue 22/360 = 0.061 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

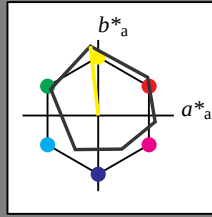
LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

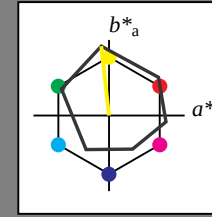
LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

0,75

0,50

0,25

0,00

0,00

0,00

0,00

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$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Offset 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

olv*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

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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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1,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

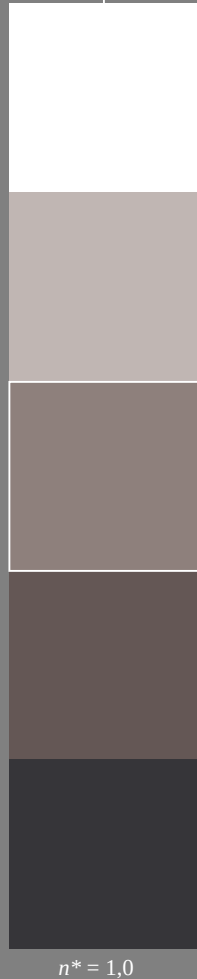
D65: hue Y

LCH*Ma: 90 92 96

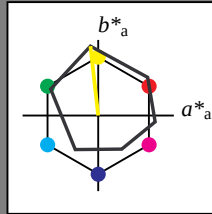
olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

$n^* = 0,00$

0,75

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

lab^*tch and lab^*nch

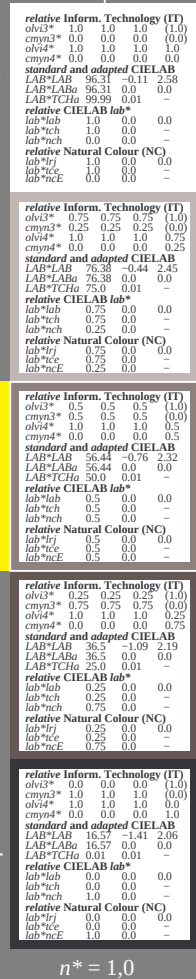
D65: hue Y

LCH*Ma: 90 106 99

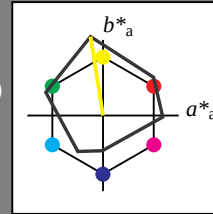
olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,75

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 99/360 = 0.275 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

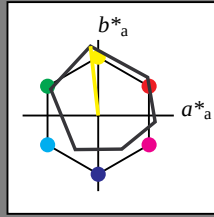
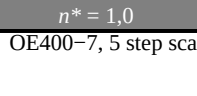
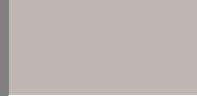
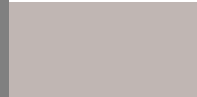
D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

1,00



Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

lab^*tch and lab^*nch

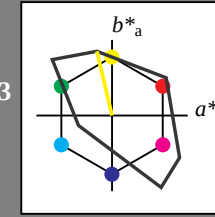
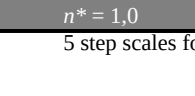
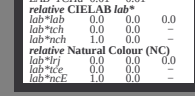
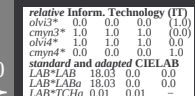
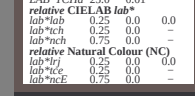
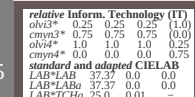
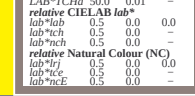
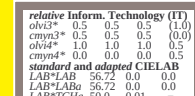
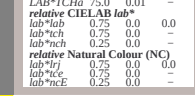
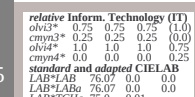
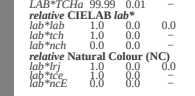
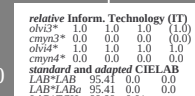
D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

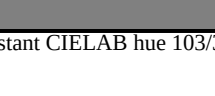
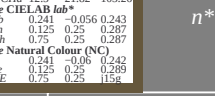
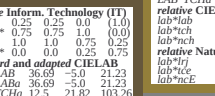
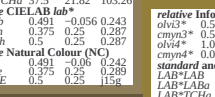
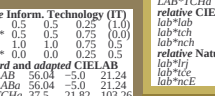
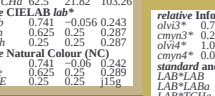
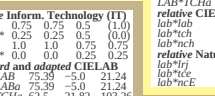
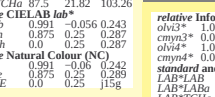
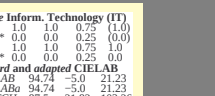
triangle lightness

1,00



% Gamut

$u^*_{rel} = 118$



TLS18; adapted (a) CIELAB data

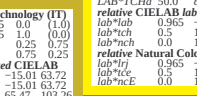
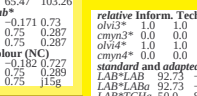
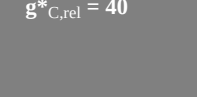
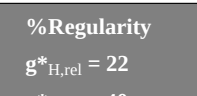
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00



OE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 103/360 = 0.287 (right)

Input: Colorimetric Offset 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

olv*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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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

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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^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

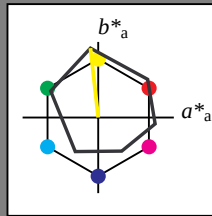
D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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		
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	-		

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	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	0.0		
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*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	18.03	0.0	0.0		
LAB*LABa	18.03	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	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

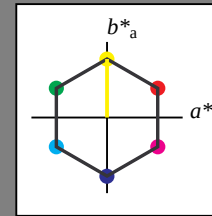
D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.75	(1.0)	
cmyn3*	0.0	0.0	0.25	(0.0)	
olvi4*	1.0	1.0	0.75	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	88.95	0.0	19.34		
LAB*LABa	88.95	0.0	19.34		
LAB*TCHa	87.5	19.34	90.0		
relative CIELAB lab*					
lab*lab	0.917	0.0	0.25		
lab*ch	0.875	0.0	0.25		
lab*nch	0.0	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.917	0.0	0.25		
lab*nce	0.875	0.25	0.241		
lab*nce	0.0	0.25	r96		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.61	0.0	19.35		
LAB*LABa	69.61	0.0	19.35		
LAB*TCHa	62.5	19.35	90.0		
relative CIELAB lab*					
lab*lab	0.667	0.0	0.25		
lab*ch	0.625	0.25	0.25		
lab*nch	0.25	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.667	0.0	0.25		
lab*nce	0.625	0.25	0.241		
lab*nce	0.25	0.25	r96		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	(1.0)	
cmyn3*	0.5	0.5	0.25	(0.0)	
olvi4*	1.0	1.0	0.25	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	50.26	0.0	19.35		
LAB*LABa	50.26	0.0	19.35		
LAB*TCHa	37.5	19.35	90.0		
relative CIELAB lab*					
lab*lab	0.417	0.0	0.25		
lab*ch	0.375	0.25	0.25		
lab*nch	0.5	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.417	0.0	0.25		
lab*nce	0.375	0.25	0.241		
lab*nce	0.5	0.25	r96		

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	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	30.91	0.0	19.34		
LAB*LABa	30.91	0.0	19.34		
LAB*TCHa	12.5	19.34	90.0		
relative CIELAB lab*					
lab*lab	0.167	0.0	0.25		
lab*ch	0.125	0.25	0.25		
lab*nch	0.75	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.167	0.0	0.25		
lab*nce	0.125	0.25	0.241		
lab*nce	0.75	0.25	r96		

	0,25
for constant CIELAB h	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

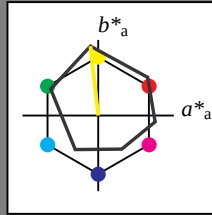
D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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		
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	0.0		
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*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	0.25	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	18.03	0.0	0.0		
LAB*LABa	18.03	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	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

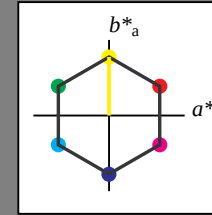
D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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	85.73	0.0	19.34		
LAB*LABa	85.73	0.0	19.34		
LAB*TCHa	87.5	19.34	90.0		
relative CIELAB lab*					
lab*lab	0.875	0.0	0.25		
lab*ch	0.875	0.0	0.25		
lab*nch	0.0	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.875	0.0	0.25		
lab*nce	0.0	0.25	0.25		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.35	0.0	19.35		
LAB*LABa	66.35	0.0	19.35		
LAB*TCHa	62.5	19.35	90.0		
relative CIELAB lab*					
lab*lab	0.625	0.0	0.25		
lab*ch	0.625	0.0	0.25		
lab*nch	0.25	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.625	0.0	0.25		
lab*nce	0.25	0.25	0.25		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	(1.0)	
cmyn3*	0.5	0.5	0.25	(0.0)	
olvi4*	1.0	1.0	0.25	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.04	0.0	19.35		
LAB*LABa	47.04	0.0	19.35		
LAB*TCHa	37.5	19.35	90.0		
relative CIELAB lab*					
lab*lab	0.375	0.0	0.25		
lab*ch	0.375	0.0	0.25		
lab*nch	0.5	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.375	0.0	0.25		
lab*nce	0.5	0.25	0.25		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.0	(1.0)	
cmyn3*	0.75	0.75	0.0	(0.0)	
olvi4*	1.0	1.0	0.75	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	27.69	0.0	19.34		
LAB*LABa	27.69	0.0	19.34		
LAB*TCHa	12.5	19.34	90.0		
relative CIELAB lab*					
lab*lab	0.125	0.0	0.25		
lab*ch	0.125	0.0	0.25		
lab*nch	0.75	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.125	0.0	0.25		
lab*nce	0.125	0.25	0.25		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	0.0	(0.0)	
olvi4*	1.0	1.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	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	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

Input: Colorimetric Offset 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

olv*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

0,25

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^*

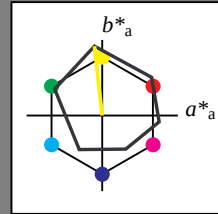
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

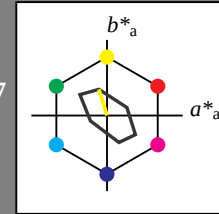
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 107/360 = 0.298 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

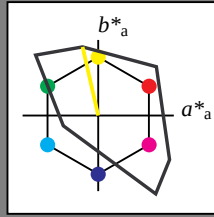
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

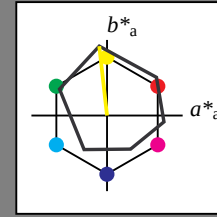
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

lab^*tch and lab^*nch

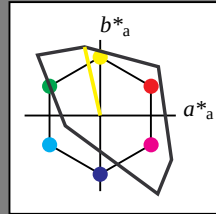
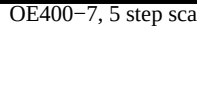
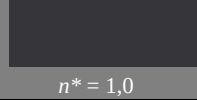
D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

lab^*tch and lab^*nch

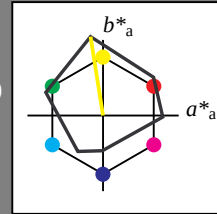
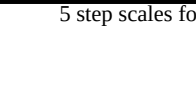
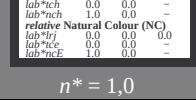
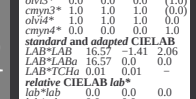
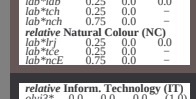
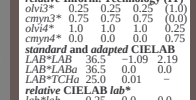
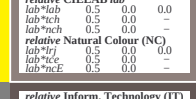
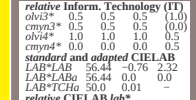
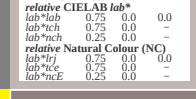
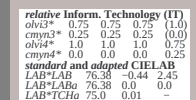
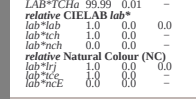
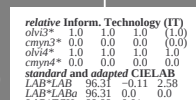
D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 101$

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

5 step scales for constant CIELAB hue 99/360 = 0.275 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

$n^* = 1,0$

0,25

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^*

$n^* = 1,0$

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chromaticness c^*

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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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$n^* = 1,0$

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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 Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

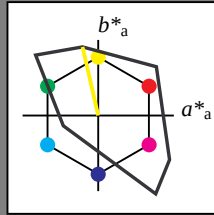
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

1,00

0,75

0,50

0,25

0,00

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TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

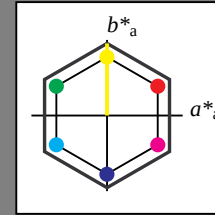
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.02 \ -$

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
 $LAB^*LAB = 71.52 \ 0.0 \ 0.0$
 $LAB^*LABa = 71.52 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.02 \ -$

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
 $LAB^*LAB = 47.72 \ 0.0 \ 0.0$
 $LAB^*LABa = 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.02 \ -$

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
 $LAB^*LAB = 23.87 \ 0.0 \ 0.0$
 $LAB^*LABa = 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.02 \ -$

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)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$

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)
 $olvi3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.02 \ -$

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
 $LAB^*LAB = 71.52 \ 0.0 \ 0.0$
 $LAB^*LABa = 71.52 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.02 \ -$

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
 $LAB^*LAB = 47.72 \ 0.0 \ 0.0$
 $LAB^*LABa = 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.02 \ -$

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
 $LAB^*LAB = 23.87 \ 0.0 \ 0.0$
 $LAB^*LABa = 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.02 \ -$

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)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$

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)
 $olvi3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.02 \ -$

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
 $LAB^*LAB = 71.52 \ 0.0 \ 0.0$
 $LAB^*LABa = 71.52 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.02 \ -$

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
 $LAB^*LAB = 47.72 \ 0.0 \ 0.0$
 $LAB^*LABa = 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.02 \ -$

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)
 $lab^*trj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ 0.0$
 $lab^*nce = 0.5 \ 0.0 \ 0.0$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

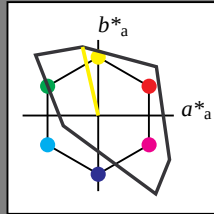
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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^*

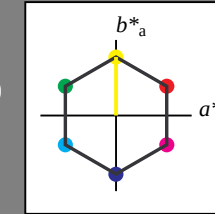
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

lab^*tch and lab^*nch

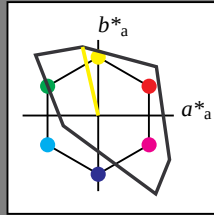
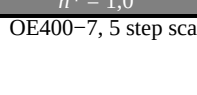
D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

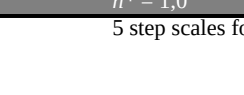
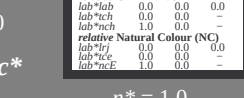
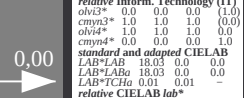
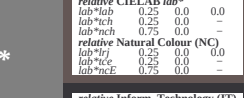
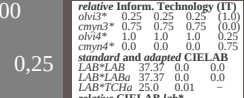
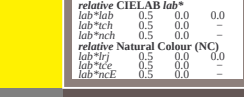
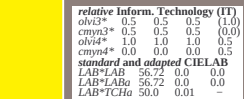
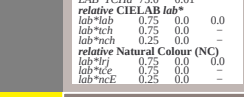
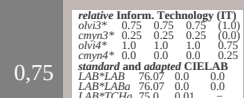
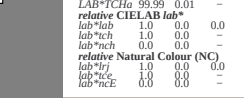
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00



Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

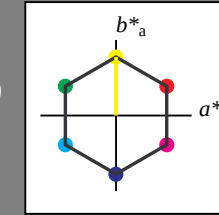
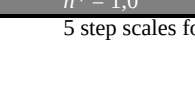
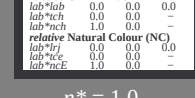
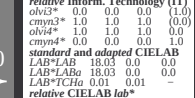
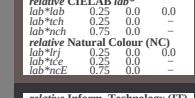
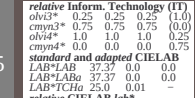
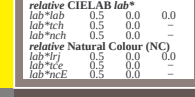
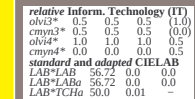
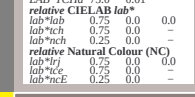
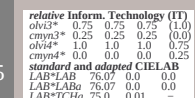
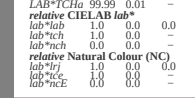
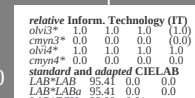
D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

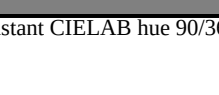
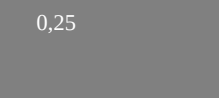
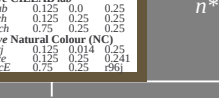
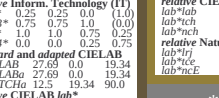
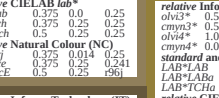
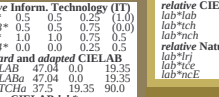
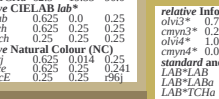
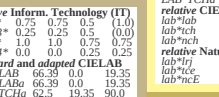
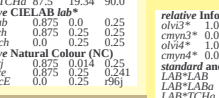
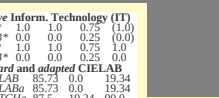
triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$



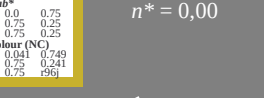
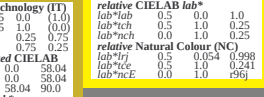
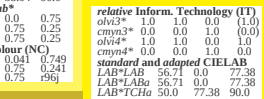
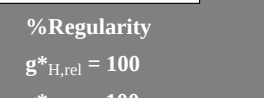
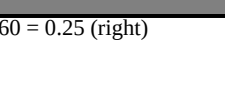
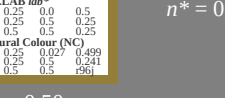
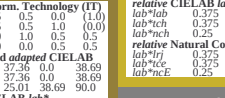
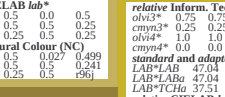
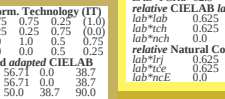
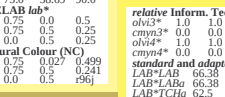
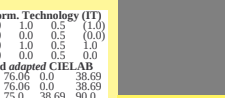
SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

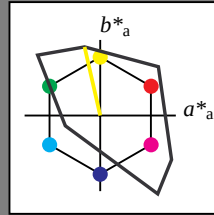
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

1,00

0,75

0,50

0,25

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

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

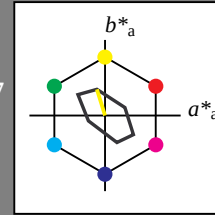
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.0 \ -$
 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)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 88.98 \ 0.0 \ 0.0$
 $LAB^*LABa = 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.0 \ -$
 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)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ -$
 $lab^*nce = 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 82.56 \ 0.0 \ 0.0$
 $LAB^*LABa = 82.56 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 76.13 \ 0.0 \ 0.0$
 $LAB^*LABa = 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 69.7 \ 0.0 \ 0.0$
 $LAB^*LABa = 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.0 \ 0.0 \ -$
 relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 88.61 \ 0.0 \ 0.0$
 $LAB^*LABa = 88.61 \ 0.0 \ 0.0$
 $LAB^*TCha = 62.5 \ 0.0 \ -$
 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)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ -$
 $lab^*nce = 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 82.56 \ 0.0 \ 0.0$
 $LAB^*LABa = 82.56 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 76.13 \ 0.0 \ 0.0$
 $LAB^*LABa = 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 69.7 \ 0.0 \ 0.0$
 $LAB^*LABa = 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.0 \ 0.0 \ -$
 relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 88.61 \ 0.0 \ 0.0$
 $LAB^*LABa = 88.61 \ 0.0 \ 0.0$
 $LAB^*TCha = 62.5 \ 0.0 \ -$
 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)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ -$
 $lab^*nce = 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 82.56 \ 0.0 \ 0.0$
 $LAB^*LABa = 82.56 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 76.13 \ 0.0 \ 0.0$
 $LAB^*LABa = 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 69.7 \ 0.0 \ 0.0$
 $LAB^*LABa = 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.0 \ 0.0 \ -$
 relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$
 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)
 $olv3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 88.61 \ 0.0 \ 0.0$
 $LAB^*LABa = 88.61 \ 0.0 \ 0.0$
 $LAB^*TCha = 62.5 \ 0.0 \ -$
 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)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ -$
 $lab^*nce = 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 82.56 \ 0.0 \ 0.0$
 $LAB^*LABa = 82.56 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.0 \ -$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

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$u^*_{rel} = 101$

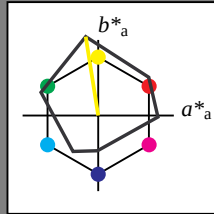
$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Gamut

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

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$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

Output: Colorimetric Offset 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

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

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$u^*_{rel} = 93$

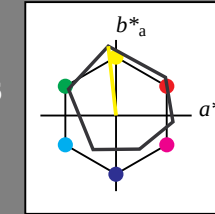
$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%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

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

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

%Gamut

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

$u^*_{rel} = 93$

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$u^*_{rel} = 93$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

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$u^*_{rel} = 101$

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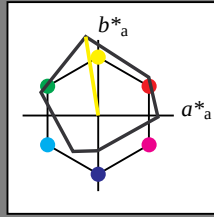
$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$

$u^*_{rel} = 101$



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

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$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

$g^*_{C,rel} = 44$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

$u^*_{rel} = 158$

$u^*_{rel} = 158$

$u^*_{rel} = 158$

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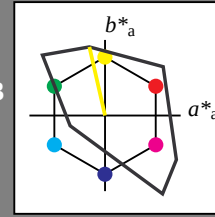
$u^*_{rel} = 158$

$u^*_{rel} = 158$

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$u^*_{rel} = 158$

$u^*_{rel} = 158$



% Gamut

$u^*_{rel} = 158$

$u^*_{rel} = 158$

$u^*_{rel} = 158$

$u^*_{rel} = 158$

$u^*_{rel} = 158$

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$u^*_{rel} = 158$

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

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$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

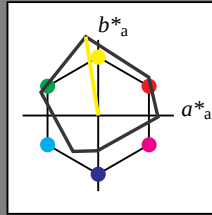
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 99/360 = 0.275 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

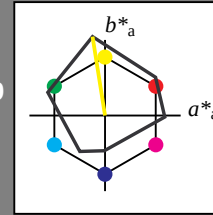
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 99/360 = 0.275 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

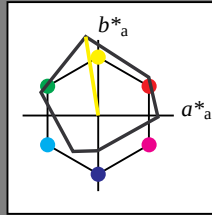
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 99/360 = 0.275 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

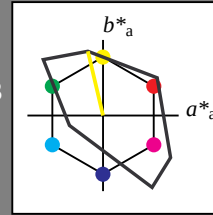
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

1,00

0,75

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 103/360 = 0.287 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

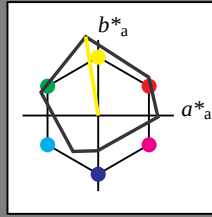
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 99/360 = 0.275 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

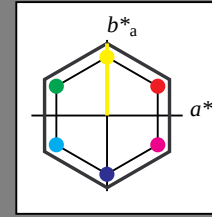
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

1,00

0,75

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

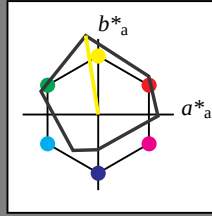
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 99/360 = 0.275 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

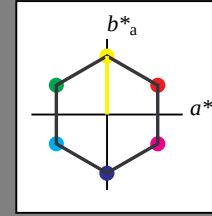
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 90/360 = 0.25 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

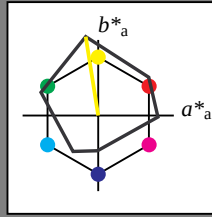
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



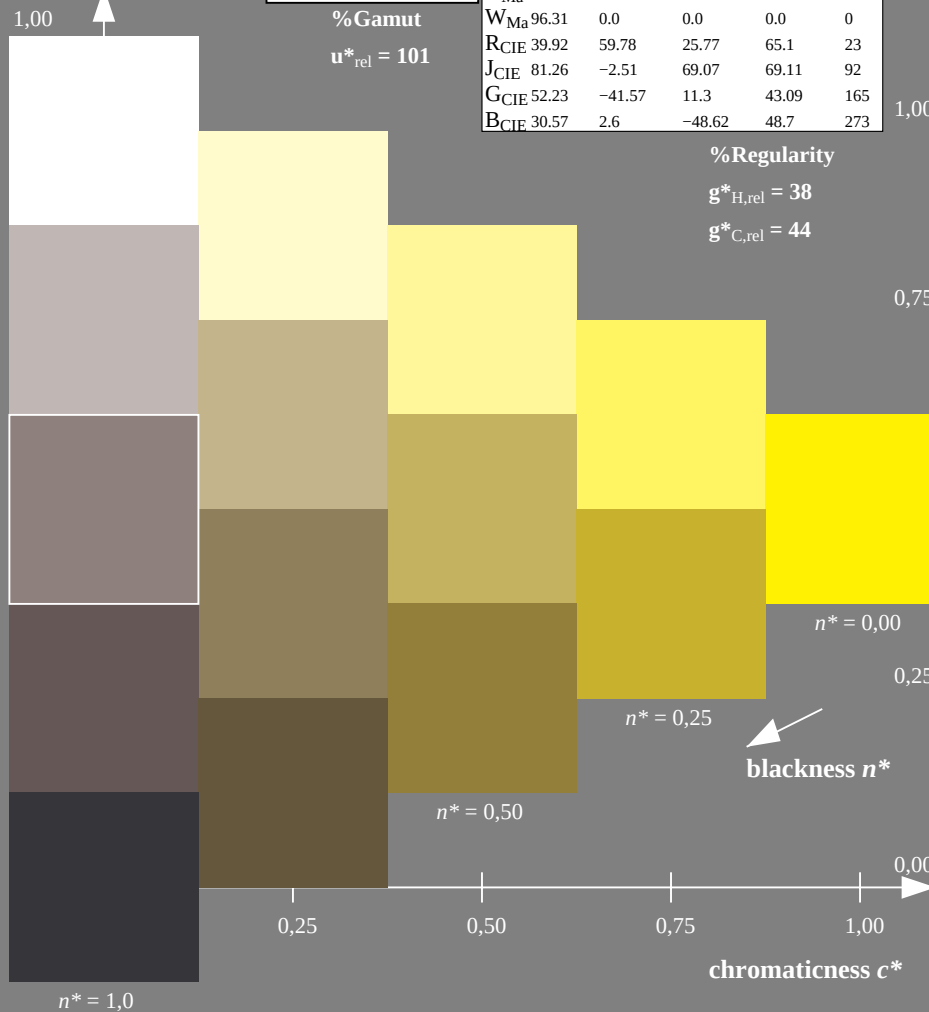
DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$



OE400-7, 5 step scales for constant CIELAB hue 99/360 = 0.275 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

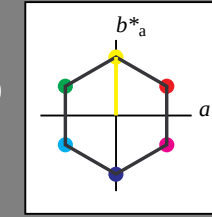
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



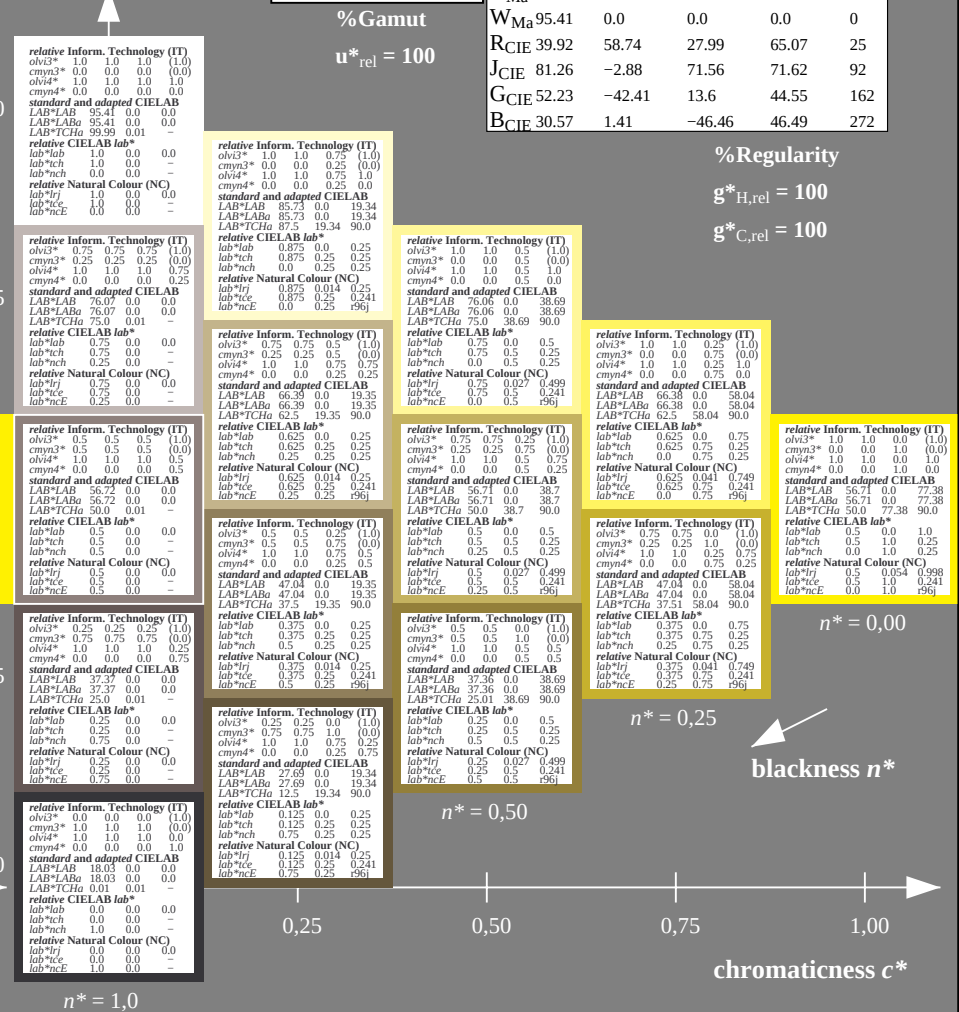
SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



$n^* = 1,0$

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

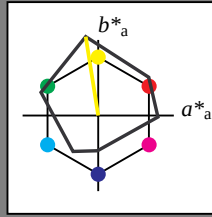
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

1,00

0,75

0,50

0,25

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DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

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Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

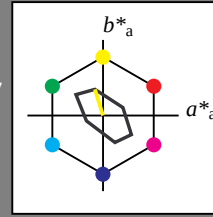
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

1,00

0,75

0,50

0,25

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TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

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Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

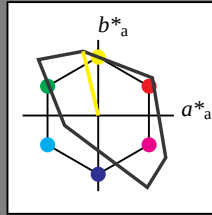
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.287 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

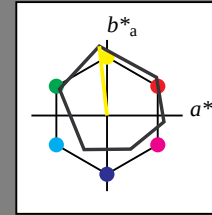
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

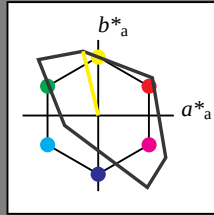
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

1,00

0,75

0,50

0,25

0,00

0,00

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TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.287 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

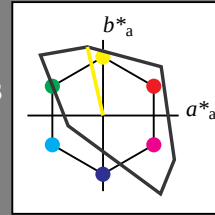
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

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	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*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	0.0	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	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	0.5	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	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	0.25	
cmyn4*	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	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*	0.25	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	0.25	
standard and adapted CIELAB					
LAB*LAB	47.02	-5.17	22.69		
LAB*LABa	47.02	-5.17	22.69		
LAB*TCRa	47.02	-5.17	22.69		
relative CIELAB lab*					
lab*lab	0.493	-0.055	0.244		
lab*ch	0.375	0.25	0.286		
lab*nch	0.5	0.25	0.286		
relative Natural Colour (NC)					
lab*trj	0.493	0.058	0.243		
lab*nce	0.375	0.25	0.288		
lab*nce	0.5	0.25	0.158		

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	23.17	-5.16	22.68		
LAB*LABa	23.17	-5.16	22.68		
LAB*TCRa	23.17	-5.16	22.68		
relative CIELAB lab*					
lab*lab	0.243	-0.055	0.244		
lab*ch	0.125	0.25	0.286		
lab*nch	0.75	0.25	0.286		
relative Natural Colour (NC)					
lab*trj	0.243	0.058	0.243		
lab*nce	0.125	0.25	0.288		
lab*nce	0.75	0.25	0.158		

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

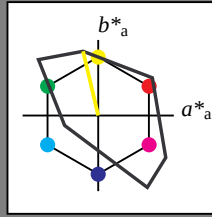
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

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

0,00

0,00

0,00

0,00

0,00

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.287 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

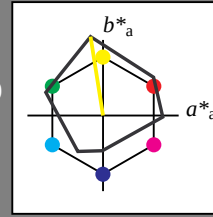
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

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

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0,00

0,00

0,00

0,00

0,00

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 -0.11 2.58
LAB*LABa 96.31 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 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 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 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 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 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 0.0 0.0
LAB*LABa 36.5 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 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 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 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.81 -4.25 28.65
LAB*LABa 48.81 -4.12 26.07
LAB*TCRa 87.5 26.4 99.0

relative CIELAB lab*
lab*lab 0.981 -0.038 0.247
lab*tch 0.875 0.0 0.25 (0.0)
lab*nch 1.0 0.0 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.981 -0.036 0.247
lab*tce 0.875 0.0 0.25 (0.0)
lab*nce 0.0 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.87 -4.59 20.53
LAB*LABa 74.87 -4.12 26.08
LAB*TCRa 62.5 26.41 99.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.87 -4.59 20.53
LAB*LABa 74.87 -4.12 26.08
LAB*TCRa 62.5 26.41 99.0

relative CIELAB lab*
lab*lab 0.731 -0.038 0.247
lab*tch 0.625 0.25 0.275
lab*nch 0.25 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.731 -0.036 0.247
lab*tce 0.625 0.25 0.274
lab*nce 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.94 -4.92 28.4
LAB*LABa 54.94 -4.12 26.08
LAB*TCRa 37.5 26.41 99.0

relative CIELAB lab*
lab*lab 0.481 -0.038 0.247
lab*tch 0.375 0.25 0.275
lab*nch 0.5 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.481 -0.036 0.247
lab*tce 0.375 0.25 0.274
lab*nce 0.5 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.0 -5.24 28.26
LAB*LABa 35.0 -4.12 26.07
LAB*TCRa 12.5 26.4 99.0

relative CIELAB lab*
lab*lab 0.231 -0.038 0.247
lab*tch 0.125 0.25 0.275
lab*nch 0.75 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.231 -0.036 0.247
lab*tce 0.125 0.25 0.274
lab*nce 0.75 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.44 -9.07 54.46
LAB*LABa 53.44 -8.25 52.15
LAB*TCRa 25.01 52.8 99.0

relative CIELAB lab*
lab*lab 0.462 -0.077 0.494
lab*tch 0.25 0.5 0.275
lab*nch 0.5 0.5 0.275
relative Natural Colour (NC)
lab*trj 0.462 -0.073 0.494
lab*tce 0.25 0.5 0.274
lab*nce 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.88 -12.9 80.67
LAB*LABa 71.88 -12.38 78.24
LAB*TCRa 37.51 79.21 99.0

relative CIELAB lab*
lab*lab 0.694 -0.116 0.741
lab*tch 0.375 0.75 0.275
lab*nch 0.5 0.75 0.275
relative Natural Colour (NC)
lab*trj 0.694 -0.11 0.742
lab*tce 0.375 0.75 0.274
lab*nce 0.5 0.75 (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 52.8 99.0

relative CIELAB lab*
lab*lab 0.712 -0.077 0.494
lab*tch 0.5 0.5 0.275
lab*nch 0.25 0.5 0.275
relative Natural Colour (NC)
lab*trj 0.712 -0.073 0.494
lab*tce 0.5 0.5 0.274
lab*nce 0.25 0.5 (0.0)

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.38 -5.75 54.61
LAB*LABa 73.38 -8.25 52.16
LAB*TCRa 50.0 52.8 99.0

relative CIELAB lab*
lab*lab 0.731 -0.038 0.247
lab*tch 0.625 0.25 0.275
lab*nch 0.25 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.731 -0.036 0.247
lab*tce 0.625 0.25 0.274
lab*nce 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.94 -4.92 28.4
LAB*LABa 54.94 -4.12 26.08
LAB*TCRa 37.5 26.41 99.0

relative CIELAB lab*
lab*lab 0.481 -0.038 0.247
lab*tch 0.375 0.25 0.275
lab*nch 0.5 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.481 -0.036 0.247
lab*tce 0.375 0.25 0.274
lab*nce 0.5 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 0.0 0.0
LAB*LABa 36.5 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 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 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 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.81 -4.25 28.65
LAB*LABa 48.81 -4.12 26.07
LAB*TCRa 87.5 26.4 99.0

relative CIELAB lab*
lab*lab 0.981 -0.038 0.247
lab*tch 0.875 0.0 0.25 (0.0)
lab*nch 1.0 0.0 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.981 -0.036 0.247
lab*tce 0.875 0.0 0.25 (0.0)
lab*nce 0.0 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.87 -4.59 20.53
LAB*LABa 74.87 -4.12 26.08
LAB*

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

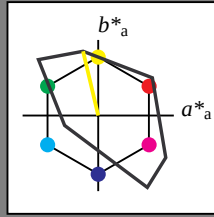
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

1,00

↑

1,00

↑

1,00

↑

1,00

↑

1,00

↑

1,00

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1,00

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1,00

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1,00

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1,00

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1,00

TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

↑

1,00

↑

1,00

↑

1,00

↑

1,00

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1,00

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1,00

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1,00

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

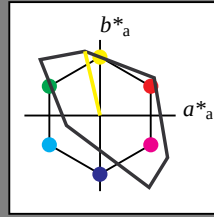
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

1,00

↑

1,00

↑

1,00

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1,00

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TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

↑

1,00

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1,00

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OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.287 (left)

5 step scales for constant CIELAB hue 103/360 = 0.287 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

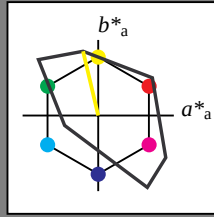
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.287 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

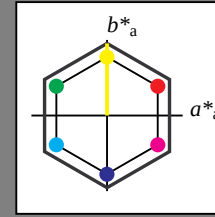
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 90/360 = 0.25 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

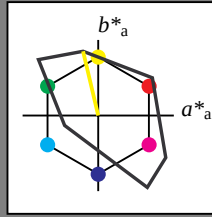
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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0,00

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TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

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Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

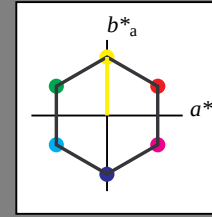
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*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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%Regularity

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

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

1,00

0,75

0,50

0,25

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

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%Regularity

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

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

1,00

0,75

0,50

0,25

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Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

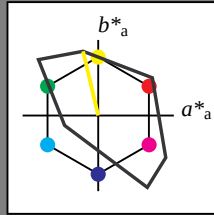
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 103/360 = 0.287 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

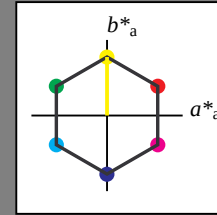
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 90/360 = 0.25 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

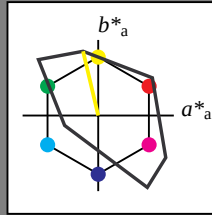
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

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TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

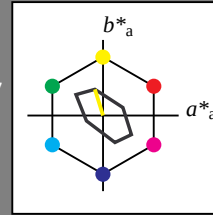
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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1,00

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

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1,00

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1,00

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$n^* = 1,0$

chromaticness c^*

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1,00

$n^* = 1,0$

chromaticness c^*

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$n^* = 1,0$

chromaticness c^*

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$n^* = 1,0$

chromaticness c^*

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$n^* = 1,0$

chromaticness c^*

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$n^* = 1,0$

chromaticness c^*

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$n^* = 1,0$

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$n^* = 1,0$

chromaticness c^*

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$n^* = 1,0$

chromaticness c^*

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Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

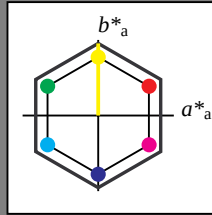
olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

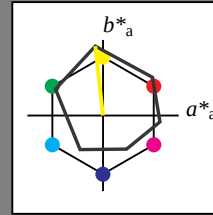
LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%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 96/360 = 0.268 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

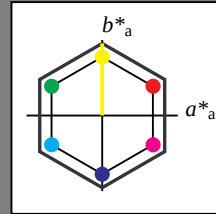
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

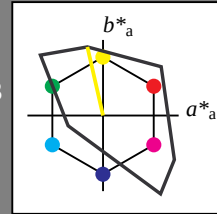
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 103/360 = 0.286 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

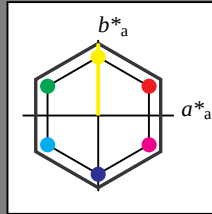
olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

lab^*tch and lab^*nch

D65: hue Y

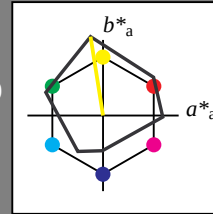
LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



$u^*_{rel} = 101$

1,00

0,75

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 99/360 = 0.275 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

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^*

$n^* = 1,0$

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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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$n^* = 1,0$

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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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

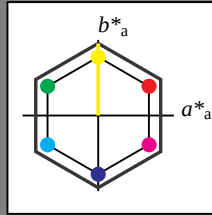
LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

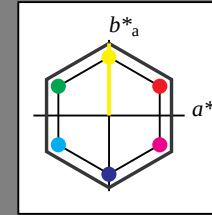
LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 90/360 = 0.25 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

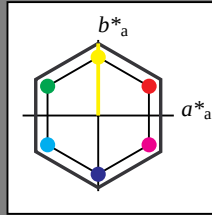
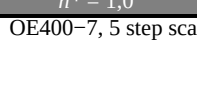
D65: hue Y

LCH*Ma: 64 95 90

ol*Ma: 1.0 1.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

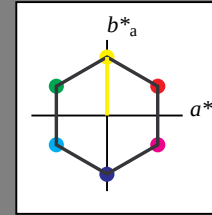
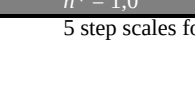
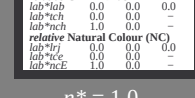
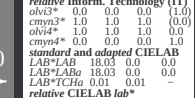
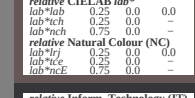
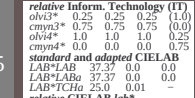
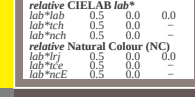
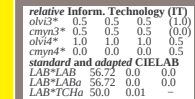
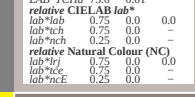
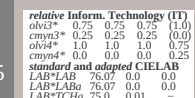
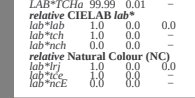
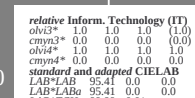
D65: hue Y

LCH*Ma: 70 77 90

ol*Ma: 1.0 1.0 0.0

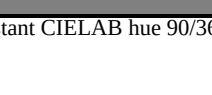
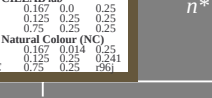
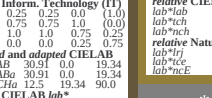
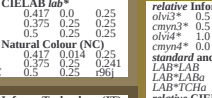
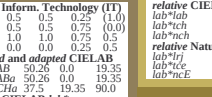
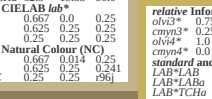
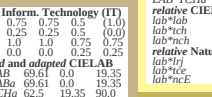
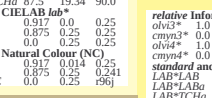
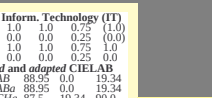
triangle lightness

1,00



%Gamut

$u^*_{rel} = 100$



NRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

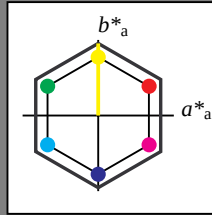
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0.00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

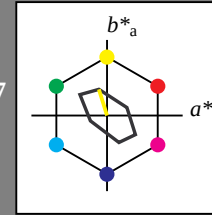
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0.00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 107/360 = 0.298 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

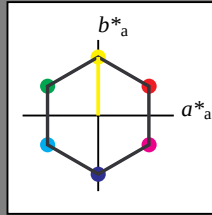
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

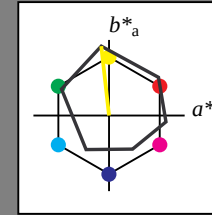
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

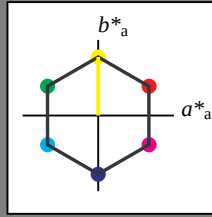
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

NRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

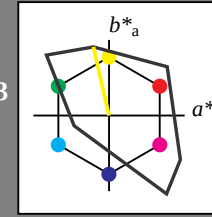
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 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 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)

olv3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.57 0.0 0.0

LAB*LABa 71.57 0.0 0.0

LAB*LABb 71.57 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)

olv3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 47.72 0.0 0.0

LAB*LABa 47.72 0.0 0.0

LAB*LABb 47.72 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 -

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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 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

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

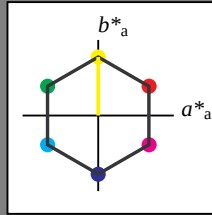
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

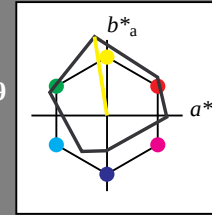
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 99/360 = 0.275 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

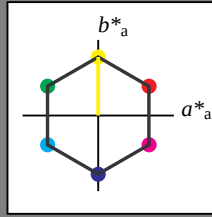
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

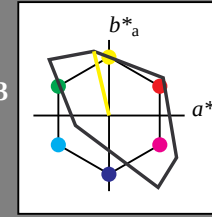
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 103/360 = 0.287 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

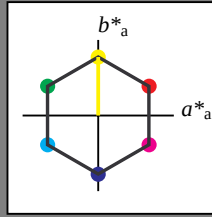
LCH*Ma: 70 77 90

olv*Ma: 1.0 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

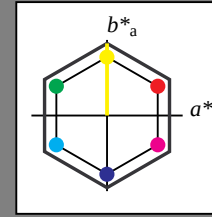
LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 90/360 = 0.25 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

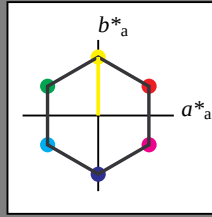
LCH*Ma: 70 77 90

olv*Ma: 1.0 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,50

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,25

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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$u^*_{rel} = 100$

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

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

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

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%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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$u^*_{rel} = 100$

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

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

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

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

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%Regularity

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

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

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

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0,00

%Gamut

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

0,00

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$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

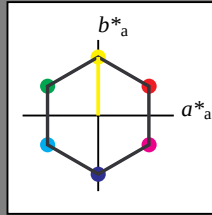
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

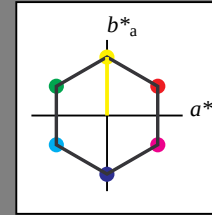
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

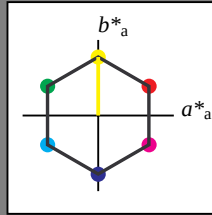
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

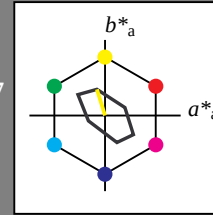
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 107/360 = 0.298 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

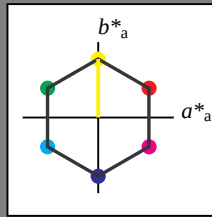
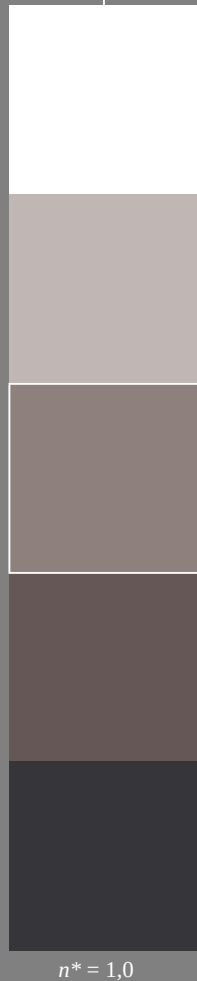
D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

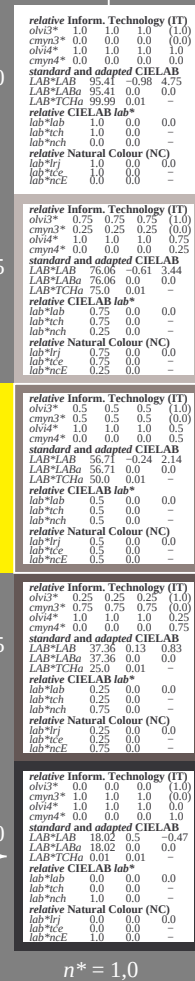
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00



Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

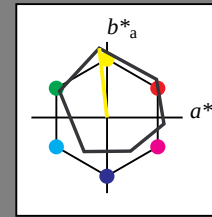
D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

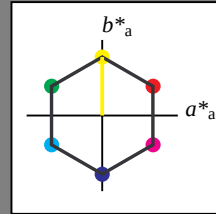
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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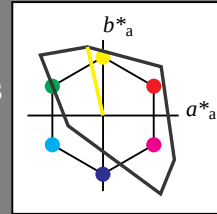
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 103/360 = 0.286 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

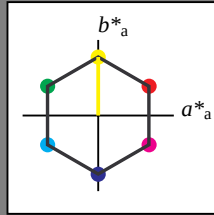
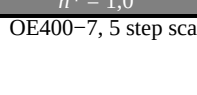
D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00



Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

lab^*tch and lab^*nch

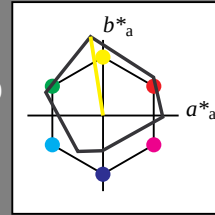
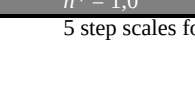
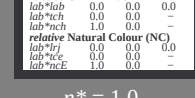
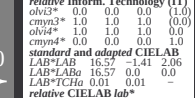
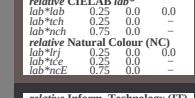
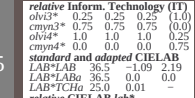
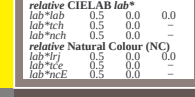
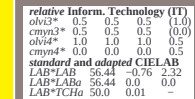
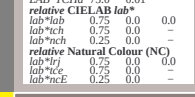
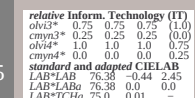
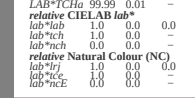
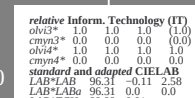
D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

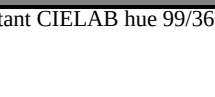
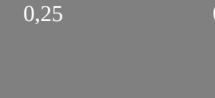
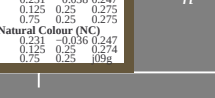
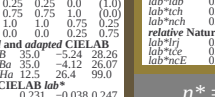
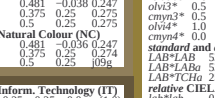
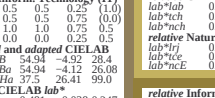
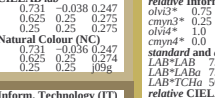
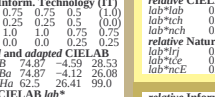
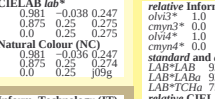
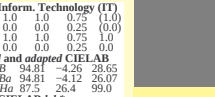
triangle lightness

1,00



% Gamut

$u^*_{rel} = 101$



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00



1,00



OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 99/360 = 0.275 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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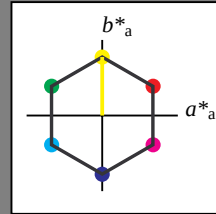
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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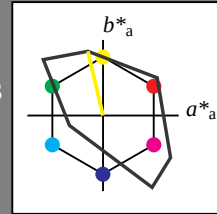
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 103/360 = 0.287 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

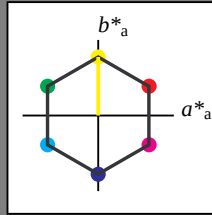
LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

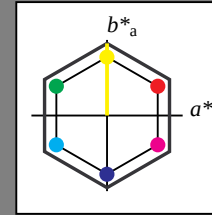
LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 152$

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	0.0	
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*TCHa	99.99	0.02	-		

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	0.5	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCHa	75.0	0.02	-		

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	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCHa	50.0	0.02	-		

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	0.25	
cmyn4*	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	0.0	0.0		
LAB*TCHa	25.0	0.02	-		

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	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	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCHa	0.01	0.02	-		

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 90/360 = 0.25 (right)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

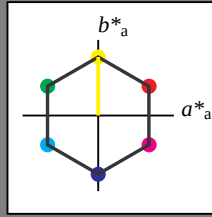
LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

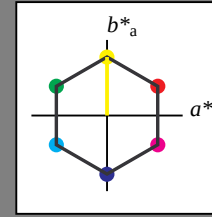
LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

%Gamut

$u^*_{rel} = 100$

OE400-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

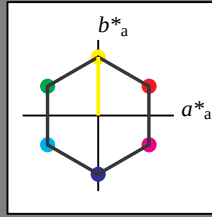
LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.01 \ -$
 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)
 $olvi3^* = 0.75 \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa = 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.01 \ -$
 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)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ -$
 $lab^*nce = 0.25 \ 0.0 \ -$

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
 $LAB^*LAB = 66.39 \ 0.0 \ 0.0$
 $LAB^*LABa = 66.39 \ 0.0 \ 0.0$
 $LAB^*TCha = 62.5 \ 0.01 \ -$
 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)
 $olvi3^* = 0.25 \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ 0.0 \ 0.0$
 $LAB^*LABa = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.0 \ 0.0$
 $lab^*tch = 0.25 \ 0.0 \ -$
 $lab^*nch = 0.25 \ 0.0 \ 0.0$
 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)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ 0.0 \ 0.0$
 $LAB^*LABa = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.01 \ -$
 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)
 $lab^*trj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

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
 $LAB^*LAB = 47.04 \ 0.0 \ 0.0$
 $LAB^*LABa = 47.04 \ 0.0 \ 0.0$
 $LAB^*TCha = 37.5 \ 0.01 \ -$
 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)
 $olvi3^* = 0.25 \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa = 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.0 \ 0.0$
 $lab^*tch = 0.25 \ 0.0 \ -$
 $lab^*nch = 0.25 \ 0.0 \ 0.0$
 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)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

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
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

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
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

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
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

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
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

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
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

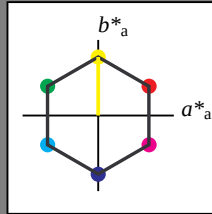
$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 90/360 = 0.25 (left)



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

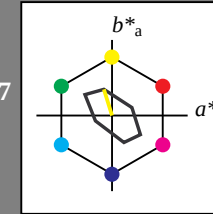
$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 107/360 = 0.298 (right)



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 107/360 = 0.298 (right)

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	0.0	-		
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*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	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*TCRa	75.0	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*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	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
LAB*TCRa	50.0	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*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	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*TCRa	25.0	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*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	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCRa	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*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.5	(1.0)	
cmyn3*	0.0	0.0	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	94.67	-5.37	17.31		
LAB*LABa	94.67	-5.37	17.31		
LAB*TCRa	75.0	18.13	107.28		
relative CIELAB lab*					
lab*lab	0.971	-0.147	0.477		
lab*lab	0.971	-0.147	0.477		
lab*nch	0.5	0.5	0.298		
relative Natural Colour (NC)					
lab*trj	0.971	-0.147	0.477		
lab*trj	0.971	-0.147	0.477		
lab*nce	0.5	0.5	0.304		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	88.24	-5.38	17.32		
LAB*LABa	88.24	-5.38	17.32		
LAB*TCRa	50.0	18.13	107.28		
relative CIELAB lab*					
lab*lab	0.721	-0.147	0.477		
lab*lab	0.721	-0.147	0.477		
lab*nch	0.5	0.5	0.298		
relative Natural Colour (NC)					
lab*trj	0.721	-0.147	0.477		
lab*trj	0.721	-0.147	0.477		
lab*nce	0.5	0.5	0.304		

relative CIELAB lab*				
lab*lab	0.25	-0.147	0.477	0.721
lab*lab	0.5	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
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lab*lab	0.25	0.5	0.298	
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lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
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lab*lab	0.25	0.5	0.298	
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lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
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lab*lab	0.25	0.5	0.298	
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lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
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lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5	0.298	
lab*lab	0.25	0.5</		

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

lab^*tch and lab^*nch

D65: hue Y

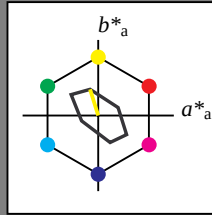
LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

lab^*tch and lab^*nch

D65: hue Y

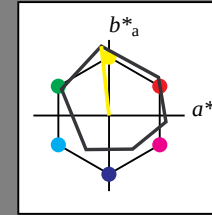
LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

1,00

%Gamut



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 96/360 = 0.268 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

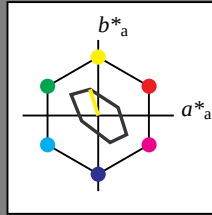
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

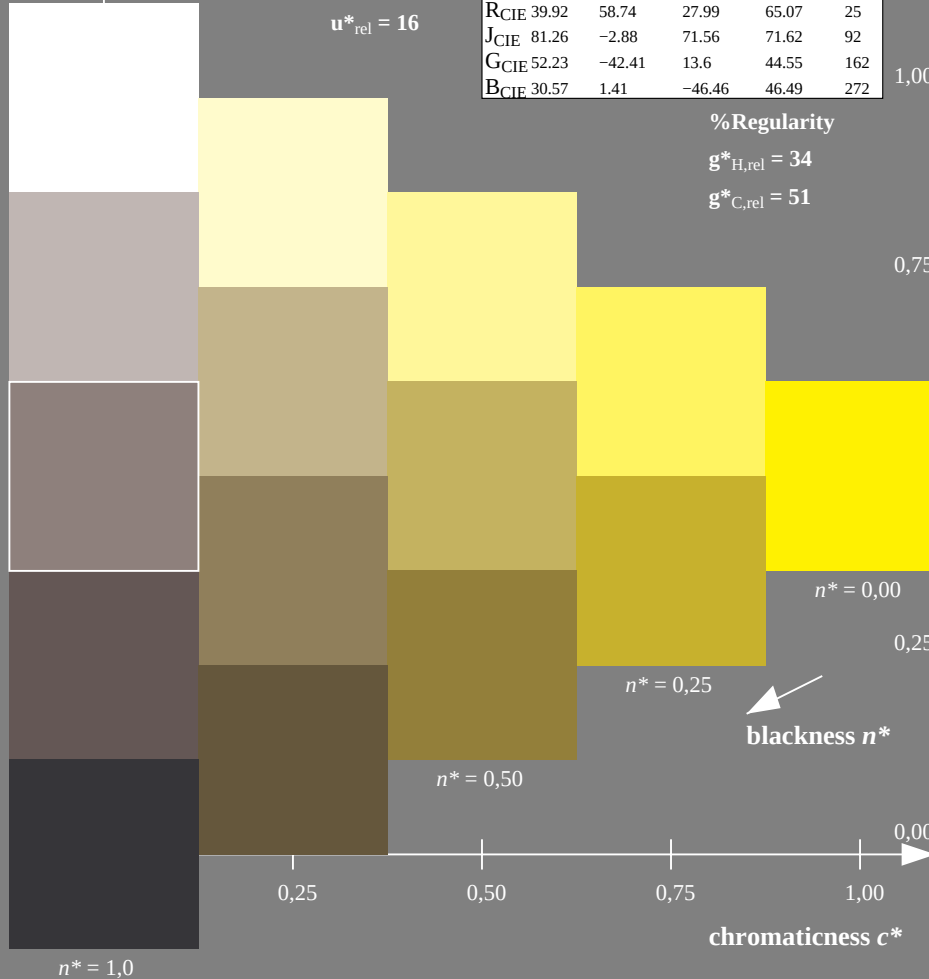
triangle lightness



% Gamut

$u^*_{rel} = 16$

1,00



OE400-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

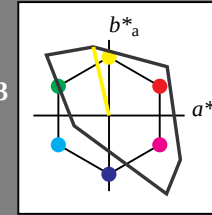
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

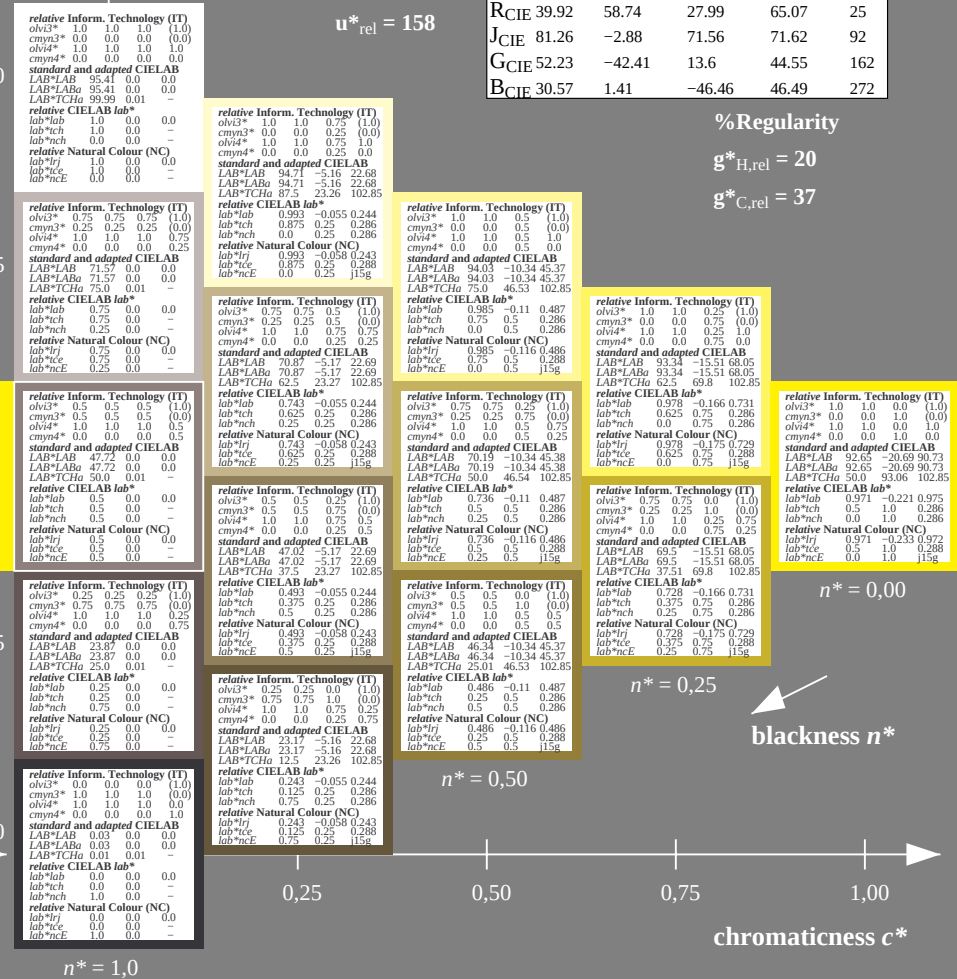
triangle lightness



% Gamut

$u^*_{rel} = 158$

1,00



5 step scales for constant CIELAB hue 103/360 = 0.286 (right)

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)	
olv3*	1.0 1.0 0.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olv4*	1.0 1.0 0.0 (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	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)	
olv3*	0.75 0.75 0.75 (1.0)
cmyn3*	0.25 0.25 0.25 (0.0)
olv4*	1.0 1.0 0.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	71.57 0.0 0.0
LAB*LABa	71.57 0.0 0.0
LAB*LABb	71.57 0.0 0.0
LAB*LABc	71.57 0.0 0.0
LAB*LABd	71.57 0.0 0.0
LAB*LABe	71.57 0.0 0.0
LAB*LABf	71.57 0.0 0.0
LAB*LABg	71.57 0.0 0.0
LAB*LABh	71.57 0.0 0.0
LAB*LABi	71.57 0.0 0.0
LAB*LABj	71.57 0.0 0.0
LAB*LABk	71.57 0.0 0.0
LAB*LABl	71.57 0.0 0.0
LAB*LABm	71.57 0.0 0.0
LAB*LABn	71.57 0.0 0.0
LAB*LABo	71.57 0.0 0.0
LAB*LABp	71.57 0.0 0.0
LAB*LABq	71.57 0.0 0.0
LAB*LABr	71.57 0.0 0.0
LAB*LABs	71.57 0.0 0.0
LAB*LABt	71.57 0.0 0.0
LAB*LABu	71.57 0.0 0.0
LAB*LABv	71.57 0.0 0.0
LAB*LABw	71.57 0.0 0.0
LAB*LABx	71.57 0.0 0.0
LAB*LABy	71.57 0.0 0.0
LAB*LABz	71.57 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.5 (1.0)
cmyn3*	0.25 0.25 0.5 (0.0)
olv4*	1.0 1.0 0.5 (1.0)
cmyn4*	0.0 0.0 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	70.87 -5.17 22.69
LAB*LABa	70.87 -5.17 22.69
LAB*LABb	70.87 -5.17 22.69
LAB*LABc	70.87 -5.17 22.69
LAB*LABd	70.87 -5.17 22.69
LAB*LABe	70.87 -5.17 22.69
LAB*LABf	70.87 -5.17 22.69
LAB*LABg	70.87 -5.17 22.69
LAB*LABh	70.87 -5.17 22.69
LAB*LABi	70.87 -5.17 22.69
LAB*LABj	70.87 -5.17 22.69
LAB*LABk	70.87 -5.17 22.69
LAB*LABl	70.87 -5.17 22.69
LAB*LABm	70.87 -5.17 22.69
LAB*LABn	70.87 -5.17 22.69
LAB*LABo	70.87 -5.17 22.69
LAB*LABp	70.87 -5.17 22.69
LAB*LABq	70.87 -5.17 22.69
LAB*LABr	70.87 -5.17 22.69
LAB*LABs	70.87 -5.17 22.69
LAB*LABt	70.87 -5.17 22.69
LAB*LABu	70.87 -5.17 22.69
LAB*LABv	70.87 -5.17 22.69
LAB*LABw	70.87 -5.17 22.69
LAB*LABx	70.87 -5.17 22.69
LAB*LABy	70.87 -5.17 22.69
LAB*LABz	70.87 -5.17 22.69

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (0.0)
olv4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.72 0.0 0.0
LAB*LABa	47.72 0.0 0.0
LAB*LABb	47.72 0.0 0.0
LAB*LABc	47.72 0.0 0.0
LAB*LABd	47.72 0.0 0.0
LAB*LABe	47.72 0.0 0.0
LAB*LABf	47.72 0.0 0.0
LAB*LABg	47.72 0.0 0.0
LAB*LABh	47.72 0.0 0.0
LAB*LABi	47.72 0.0 0.0
LAB*LABj	47.72 0.0 0.0
LAB*LABk	47.72 0.0 0.0
LAB*LABl	47.72 0.0 0.0
LAB*LABm	47.72 0.0 0.0
LAB*LABn	47.72 0.0 0.0
LAB*LABo	47.72 0.0 0.0
LAB*LABp	47.72 0.0 0.0
LAB*LABq	47.72 0.0 0.0
LAB*LABr	47.72 0.0 0.0
LAB*LABs	47.72 0.0 0.0
LAB*LABt	47.72 0.0 0.0
LAB*LABu	47.72 0.0 0.0
LAB*LABv	47.72 0.0 0.0
LAB*LABw	47.72 0.0 0.0
LAB*LABx	47.72 0.0 0.0
LAB*LABy	47.72 0.0 0.0
LAB*LABz	47.72 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75 0.75 (0.0)
olv4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	23.87 0.0 0.0
LAB*LABa	23.87 0.0 0.0
LAB*LABb	23.87 0.0 0.0
LAB*LABc	23.87 0.0 0.0
LAB*LABd	23.87 0.0 0.0
LAB*LABe	23.87 0.0 0.0
LAB*LABf	23.87 0.0 0.0
LAB*LABg	23.87 0.0 0.0
LAB*LABh	23.87 0.0 0.0
LAB*LABi	23.87 0.0 0.0
LAB*LABj	23.87 0.0 0.0
LAB*LABk	23.87 0.0 0.0
LAB*LABl	23.87 0.0 0.0
LAB*LABm	23.87 0.0 0.0
LAB*LABn	23.87 0.0 0.0
LAB*LABo	23.87 0.0 0.0
LAB*LABp	23.87 0.0 0.0
LAB*LABq	23.87 0.0 0.0
LAB*LABr	23.87 0.0 0.0
LAB*LABs	23.87 0.0 0.0
LAB*LABt	23.87 0.0 0.0
LAB*LABu	23.87 0.0 0.0
LAB*LABv	23.87 0.0 0.0
LAB*LABw	23.87 0.0 0.0
LAB*LABx	23.87 0.0 0.0
LAB*LABy	23.87 0.0 0.0
LAB*LABz	23.87 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.0 (1.0)
cmyn3*	0.75 0.75 0.0 (0.0)
olv4*	1.0 1.0 0.75 (1.0)
cmyn4*	0.0 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	23.17 -5.16 22.68
LAB*LABa	23.17 -5.16 22.68
LAB*LABb	23.17 -5.16 22.68
LAB*LABc	23.17 -5.16 22.68
LAB*LABd	23.17 -5.16 22.68
LAB*LABe	23.17 -5.16 22.68
LAB*LABf	23.17 -5.16 22.68
LAB*LABg	23.17 -5.16 22.68
LAB*LABh	23.17 -5.16 22.68
LAB*LABi	23.17 -5.16 22.68
LAB*LABj	23.17 -5.16 22.68
LAB*LABk	23.17 -5.16 22.68
LAB*LABl	23.17 -5.16 22.68
LAB*LABm	23.17 -5.16 22.68
LAB*LABn	23.17 -5.16 22.68
LAB*LABo	23.17 -5.16 22.68
LAB*LABp	23.17 -5.16 22.68
LAB*LABq	23.17 -5.16 22.68
LAB*LABr	23.17 -5.16 22.68
LAB*LABs	23.17 -5.16 22.68
LAB*LABt	23.17 -5.16 22.68
LAB*LABu	23.17 -5.16 22.68
LAB*LABv	23.17 -5.16 22.68
LAB*LABw	23.17 -5.16 22.68
LAB*LABx	23.17 -5.16 22.68
LAB*LABy	23.17 -5.16 22.68
LAB*LABz	23.17 -5.16 22.68

relative Inform. Technology (IT)	
olv3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 1.0 1.0 (0.0)
olv4*	1.0 1.0 1.0 (0.0)
cmyn4*	0.0 0.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.03 0.0 0.0
LAB*LABa	0.03 0.0 0.0
LAB*LABb	0.03 0.0 0.0
LAB*LABc	0.03 0.0 0.0
LAB*LABd	0.03 0.0 0.0
LAB*LABe	0.03 0.0 0.0
LAB*LABf	0.03 0.0 0.0
LAB*LABg	0.03 0.0 0.0
LAB*LABh	0.03 0.0 0.0
LAB*LABi	0.03 0.0 0.0
LAB*LABj	0.03 0.0 0.0
LAB*LABk	0.03 0.0 0.0
LAB*LABl	0.03 0.0 0.0
LAB*LABm	0.03 0.0 0.0
LAB*LABn	0.03 0.0 0.0
LAB*LABo	0.03 0.0 0.0
LAB*LABp	0.03 0.0 0.0
LAB*LABq	0.03 0.0 0.0
LAB*LABr	0.03 0.0 0.0
LAB*LABs	0.03 0.0 0.0
LAB*LABt	0.03 0.0 0.0
LAB*LABu	0.03 0.0 0.0
LAB*LABv	0.03 0.0 0.0
LAB*LABw	0.03 0.0 0.0
LAB*LABx	0.03 0.0 0.0
LAB*LABy	0.03 0.0 0.0
LAB*LABz	0.03 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 1.0 1.0 (0.0)
olv4*	1.0 1.0 1.0 (0.0)
cmyn4*	0.0 0.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.01 0.0 0.0
LAB*LABa	0.01 0.0 0.0
LAB*LABb	0.01 0.0 0.0
LAB*LABc	0.01 0.0 0.0
LAB*LABd	0.01 0.0 0.0
LAB*LABe	0.01 0.0 0.0
LAB*LABf	0.01 0.0 0.0
LAB*LABg	0.01 0.0 0.0
LAB*LABh	0.01 0.0 0.0
LAB*LABi	0.01 0.0 0.0
LAB*LABj	0.01 0.0 0.0
LAB*LABk	0.01 0.0 0.0
LAB*LABl	0.01 0.0 0.0
LAB*LABm	0.01 0.0 0.0
LAB*LABn	0.01 0.0 0.0
LAB*LABo	0.01 0.0 0.0
LAB*LABp	0.01 0.0 0.0
LAB*LABq	0.01 0.0 0.0
LAB*LABr	0.01 0.0 0.0
LAB*LABs	0.01 0.0 0.0
LAB*LABt	0.01 0.0 0.0
LAB*LABu	0.01 0.0 0.0
LAB*LABv	0.01 0.0 0.0
LAB*LABw	0.01 0.0 0.0
LAB*LABx	0.01 0.0 0.0
LAB*LABy	0.01 0.0 0.0
LAB*LABz	0.01 0.0 0.0

TLS00; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
a	O _{Ma}	50.5	76.92	64.55	100.42	40
	Y _{Ma}	92.66	-20.69	90.75	93.08	103
	L _{Ma}	83.63	-82.75	79.9	115.04	136
	C _{Ma}	86.88	-46.16	-13.55	48.12	196
	V _{Ma}	30.39	76.06	-103.59	128.52	306
	M _{Ma}	57.3	94.35	-58.41	110.97	328
	N _{Ma}	0.01	0.0	0.0	0.0	0
	W _{Ma}	95.41	0.0	0.0	0.0	0
	R _{CIE}	39.92	58.74	27.99	65.07	25
	J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162	
B _{CIE}	30.57	1.41	-46.46	46.49	272	



Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

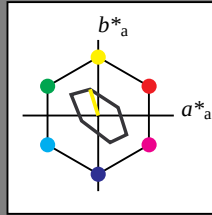
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

1,00

0,75

0,50

0,25

0,00

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TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

0,50

0,25

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Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

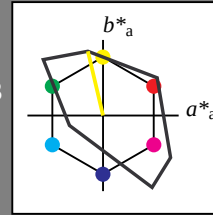
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

1,00

0,75

0,50

0,25

0,00

0,00

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TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

0,00

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Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

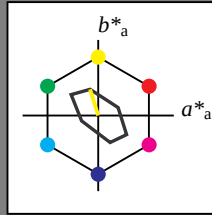
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

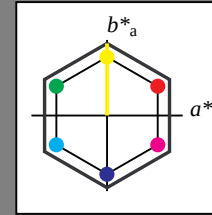
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 90/360 = 0.25 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

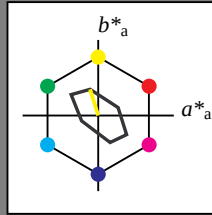
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

ol*Ma: 1.0 1.0 0.0

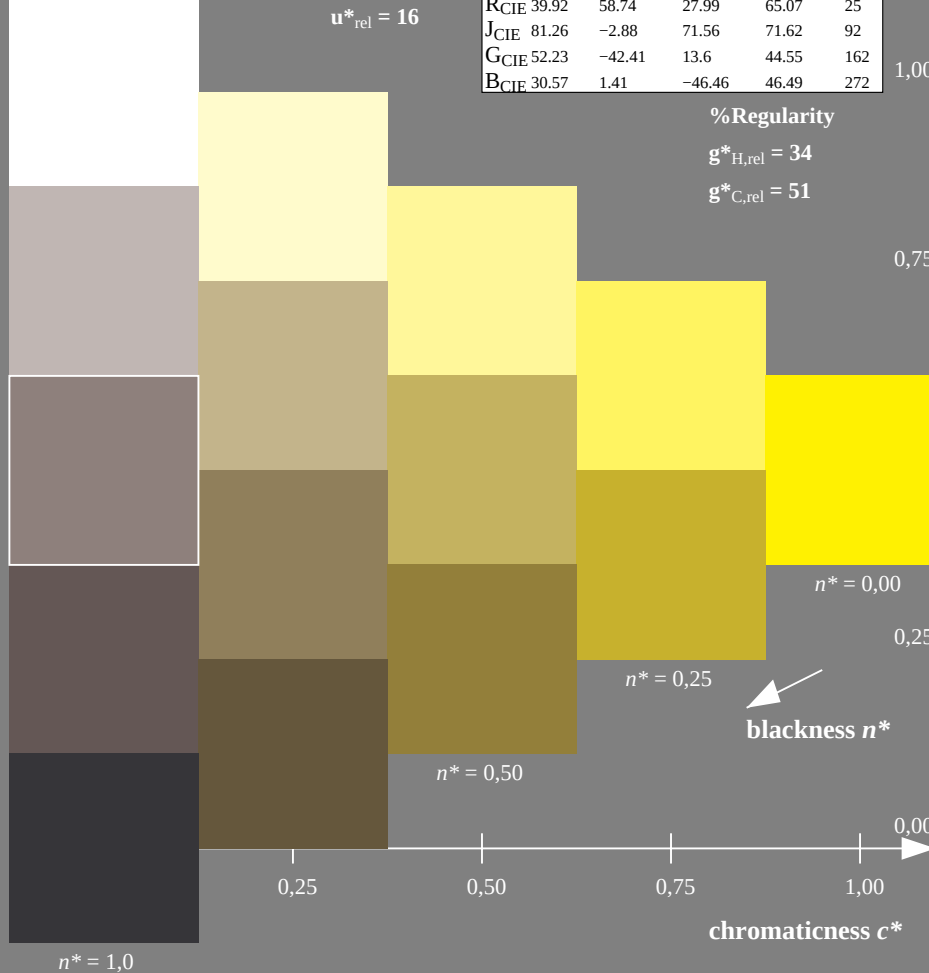
triangle lightness



%Gamut

$u^*_{rel} = 16$

1,00



OE400-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

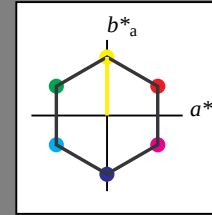
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

ol*Ma: 1.0 1.0 0.0

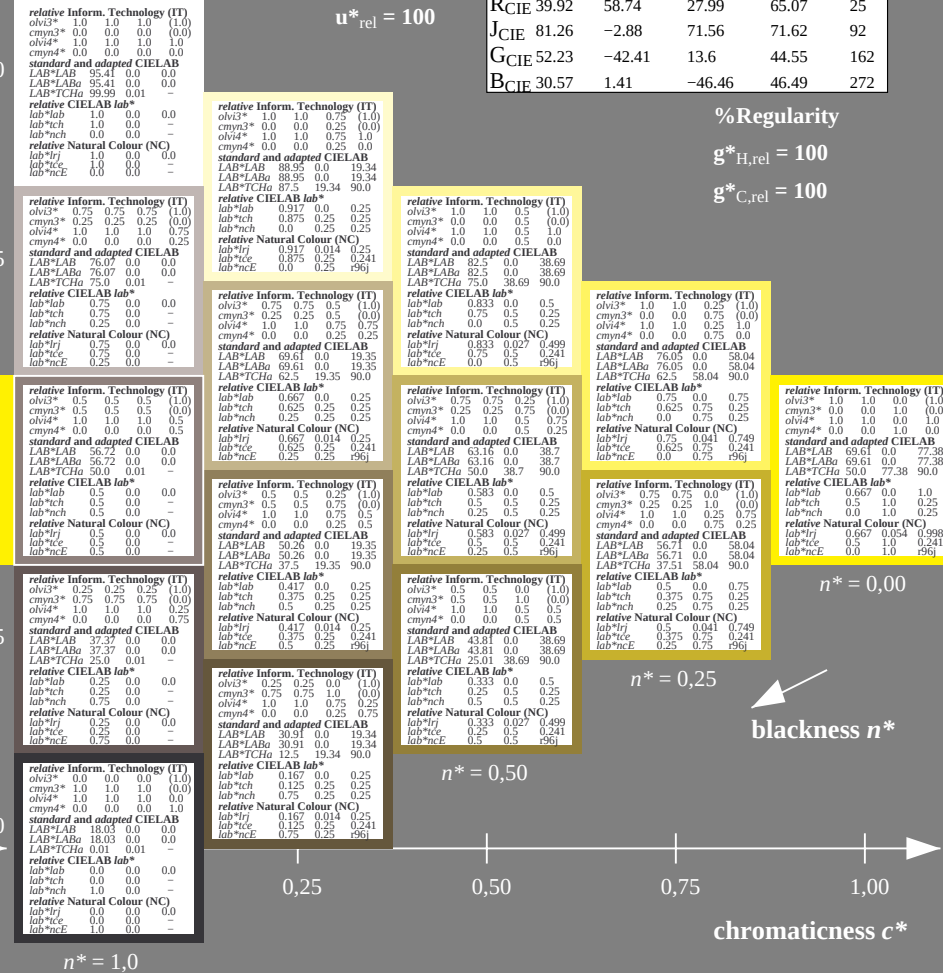
triangle lightness



%Gamut

$u^*_{rel} = 100$

1,00



5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

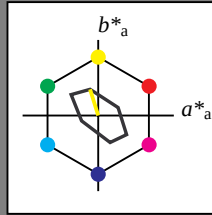
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

ol*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

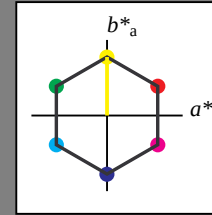
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

ol*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 90/360 = 0.25 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

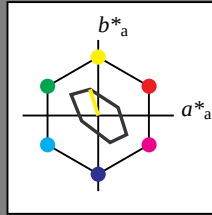
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

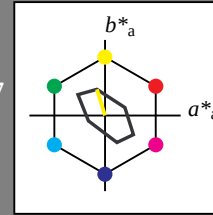
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 107/360 = 0.298 (right)

Input: Colorimetric Offset 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

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

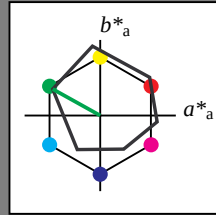
0,50

0,25

0,00

blackness n^*

chromaticness c^*



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

triangle lightness

1,00

0,75

0,50

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blackness n^*

chromaticness c^*

triangle lightness

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Input: Colorimetric Offset Reflective System ORS18

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

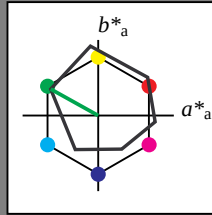
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

$n^* = 0,00$

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$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

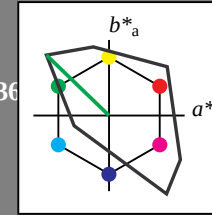
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

$n^* = 1,0$

5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

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$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Offset 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

olv*Ma: 0.0 1.0 0.0

triangle lightness

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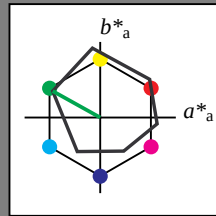
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

$n^* = 0,00$

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$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness

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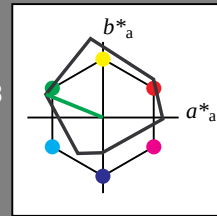
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% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

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$n^* = 0,25$

blackness n^*

$n^* = 0,50$

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chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 158/360 = 0.439 (right)

Input: Colorimetric Offset 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

olv*Ma: 0.0 1.0 0.0

triangle lightness

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blackness n^*

chromaticness c^*

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Input: Colorimetric Offset Reflective System ORS18

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

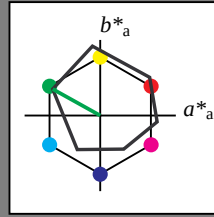
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

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chromaticness c^*

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$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

n

Input: Colorimetric Offset Reflective System ORS18

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

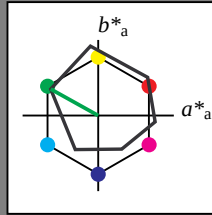
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

ol*Ma: 0.0 1.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

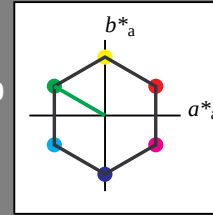
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

ol*Ma: 0.0 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 150/360 = 0.417 (right)

Input: Colorimetric Offset Reflective System ORS18

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

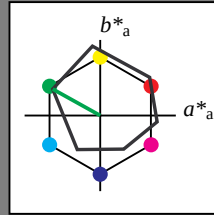
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

1.00

chromaticness c^*

$n^* = 1.0$

OE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

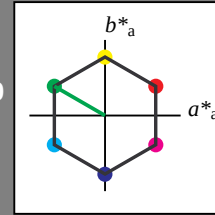
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

1.00

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Offset Reflective System ORS18

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

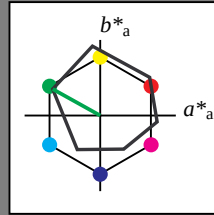
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

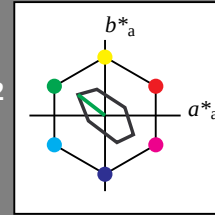
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 142/360 = 0.395 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

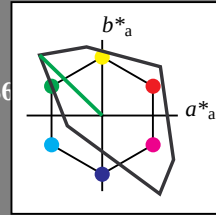
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

Output: Colorimetric Offset 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

ol*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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

blackness n^*

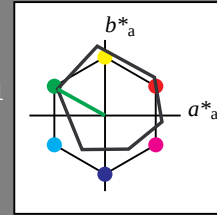
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

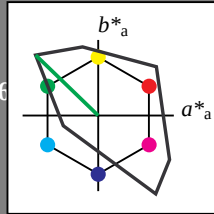
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

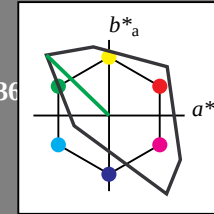
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

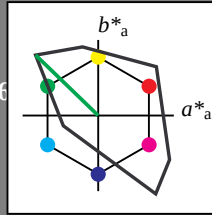
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

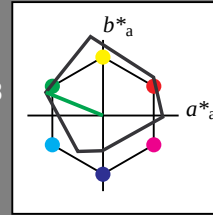
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 158/360 = 0.439 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

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

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

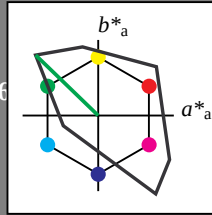
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

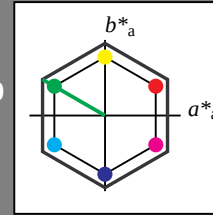
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

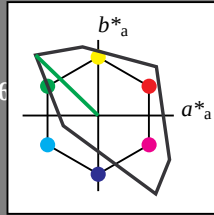
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol*Ma: 0.0 1.0 0.0

triangle lightness



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

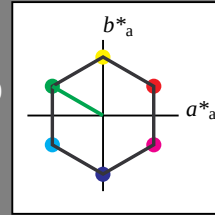
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

ol*Ma: 0.0 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

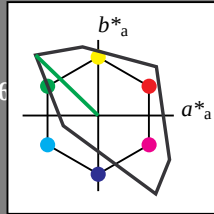
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

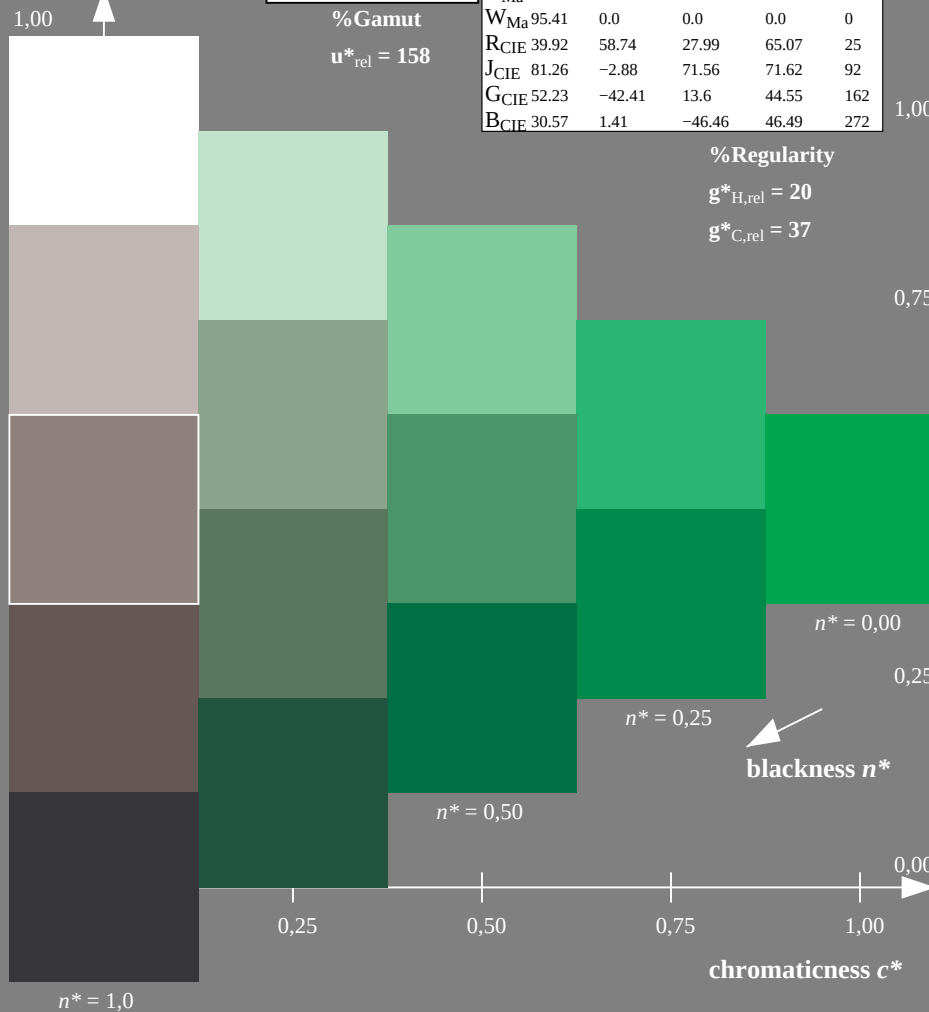
$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



OE400-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

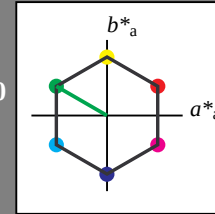
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

ol*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

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	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChu
LAB*LAB	76.07	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	-	-	-
LAB*TCha	0.0	0.0	0.0	1.0	0.0
LAB*TChu	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.75	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
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChu
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*TCha	50.0	0.0	0.0	1.0	0.0
LAB*TChu	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.5	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
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	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	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChu
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*TCha	50.0	0.0	0.0	1.0	0.0
LAB*TChu	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.5	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
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

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	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChu
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*TCha	50.0	0.0	0.0	1.0	0.0
LAB*TChu	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.25	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
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChu
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*TCha	50.0	0.0	0.0	1.0	0.0
LAB*TChu	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.5	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
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

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	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChu
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*TCha	50.0	0.0	0.0	1.0	0.0
LAB*TChu	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.0	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
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

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	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChu
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*TCha	50.0	0.0	0.0	1.0	0.0
LAB*TChu	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.25	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
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

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

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

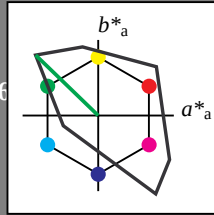
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

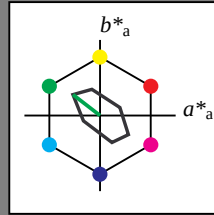
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	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	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.0	0.0	0.0	0.0
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*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)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.25	0.25	0.25	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	88.98	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.5	0.5	0.5	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	82.56	0.0	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.75	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	82.56	0.0	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	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	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.25	0.25	0.25	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.5	0.5	0.5	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.75	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	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	69.7	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0
LAB*TCRa	0.0	0.0	0.0	0.0	0.0
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	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
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.25	0.25	0.25	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.5	0.5	0.5	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	olv^*_3	olv^*_4	olv^*_5	olv^*_6	olv^*_7
cmyn3*	0.75	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

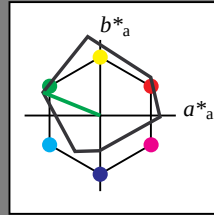
LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut



$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

lab^*tch and lab^*nch

D65: hue L

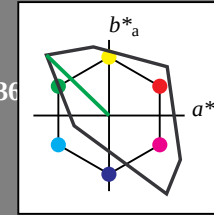
LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut



$u^*_{rel} = 158$

1,00

0,75

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 136/360 = 0.378 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

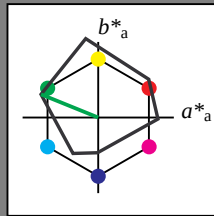
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

1,00

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

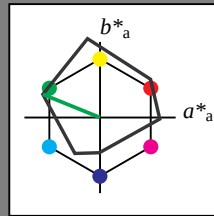
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

1,00

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

5 step scales for constant CIELAB hue 158/360 = 0.439 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

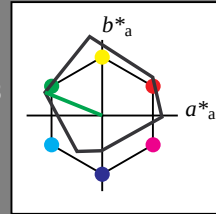
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

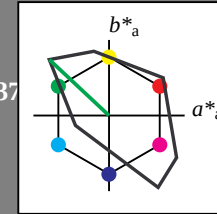
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

OE400-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

5 step scales for constant CIELAB hue 137/360 = 0.38 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

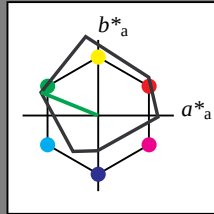
$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*



DRSXX; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

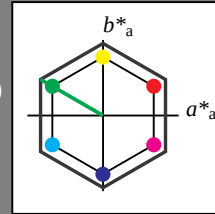
$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*



%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

NLS00; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,25

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,00

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,25

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

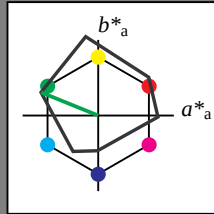
0,50

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,25

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,00

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,25

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,50

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

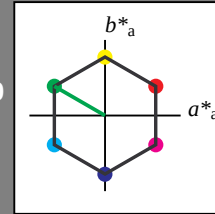
0,50

%Regularity

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

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

1,00



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

0,75

%Regularity

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

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

0,25

%Regularity

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

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

0,00

%Regularity

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

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

0,25

%Regularity

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

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

0,50

%Regularity

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

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

0,75

%Regularity

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

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

1,00

%Regularity

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

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

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

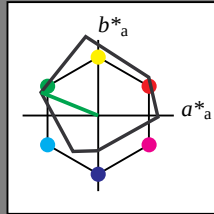
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

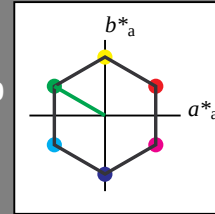
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

OE400-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

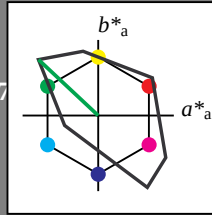
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Offset Reflective System ORS18

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

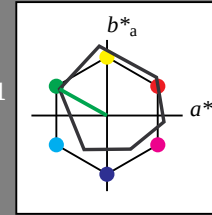
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	-	-
LAB*TCBa	75.0	0.01	-	-	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

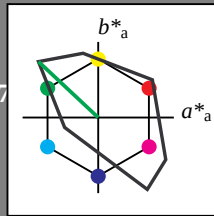
chromaticness c^*

0,25

0,50

0,75

1,00



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

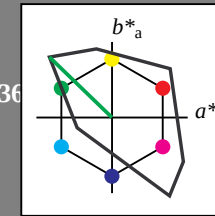
chromaticness c^*

0,25

0,50

0,75

1,00



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

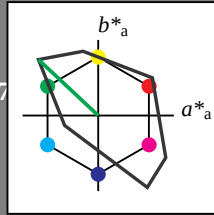
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

ol*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

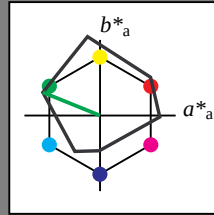
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

ol*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

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	96.31	0.0	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0	0.0
LAB*LABb	96.31	0.0	0.0	0.0	0.0
LAB*LABc	96.31	0.0	0.0	0.0	0.0
LAB*LABd	96.31	0.0	0.0	0.0	0.0
LAB*LABe	96.31	0.0	0.0	0.0	0.0
LAB*LABf	96.31	0.0	0.0	0.0	0.0
LAB*LABg	96.31	0.0	0.0	0.0	0.0
LAB*LABh	96.31	0.0	0.0	0.0	0.0
LAB*LABi	96.31	0.0	0.0	0.0	0.0
LAB*LABj	96.31	0.0	0.0	0.0	0.0
LAB*LABk	96.31	0.0	0.0	0.0	0.0
LAB*LABl	96.31	0.0	0.0	0.0	0.0
LAB*LABm	96.31	0.0	0.0	0.0	0.0
LAB*LABn	96.31	0.0	0.0	0.0	0.0
LAB*LABo	96.31	0.0	0.0	0.0	0.0
LAB*LABp	96.31	0.0	0.0	0.0	0.0
LAB*LABq	96.31	0.0	0.0	0.0	0.0
LAB*LABr	96.31	0.0	0.0	0.0	0.0
LAB*LABs	96.31	0.0	0.0	0.0	0.0
LAB*LABt	96.31	0.0	0.0	0.0	0.0
LAB*LABu	96.31	0.0	0.0	0.0	0.0
LAB*LABv	96.31	0.0	0.0	0.0	0.0
LAB*LABw	96.31	0.0	0.0	0.0	0.0
LAB*LABx	96.31	0.0	0.0	0.0	0.0
LAB*LABy	96.31	0.0	0.0	0.0	0.0
LAB*LABz	96.31	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	96.31	0.0	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0	0.0
LAB*LABb	96.31	0.0	0.0	0.0	0.0
LAB*LABc	96.31	0.0	0.0	0.0	0.0
LAB*LABd	96.31	0.0	0.0	0.0	0.0
LAB*LABe	96.31	0.0	0.0	0.0	0.0
LAB*LABf	96.31	0.0	0.0	0.0	0.0
LAB*LABg	96.31	0.0	0.0	0.0	0.0
LAB*LABh	96.31	0.0	0.0	0.0	0.0
LAB*LABi	96.31	0.0	0.0	0.0	0.0
LAB*LABj	96.31	0.0	0.0	0.0	0.0
LAB*LABk	96.31	0.0	0.0	0.0	0.0
LAB*LABl	96.31	0.0	0.0	0.0	0.0
LAB*LABm	96.31	0.0	0.0	0.0	0.0
LAB*LABn	96.31	0.0	0.0	0.0	0.0
LAB*LABo	96.31	0.0	0.0	0.0	0.0
LAB*LABp	96.31	0.0	0.0	0.0	0.0
LAB*LABq	96.31	0.0	0.0	0.0	0.0
LAB*LABr	96.31	0.0	0.0	0.0	0.0
LAB*LABs	96.31	0.0	0.0	0.0	0.0
LAB*LABt	96.31	0.0	0.0	0.0	0.0
LAB*LABu	96.31	0.0	0.0	0.0	0.0
LAB*LABv	96.31	0.0	0.0	0.0	0.0
LAB*LABw	96.31	0.0	0.0	0.0	0.0
LAB*LABx	96.31	0.0	0.0	0.0	0.0
LAB*LABy	96.31	0.0	0.0	0.0	0.0
LAB*LABz	96.31	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	96.31	0.0	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0	0.0
LAB*LABb	96.31	0.0	0.0	0.0	0.0
LAB*LABc	96.31	0.0	0.0	0.0	0.0
LAB*LABd	96.31	0.0	0.0	0.0	0.0
LAB*LABe	96.31	0.0	0.0	0.0	0.0
LAB*LABf	96.31	0.0	0.0	0.0	0.0
LAB*LABg	96.31	0.0	0.0	0.0	0.0
LAB*LABh	96.31	0.0	0.0	0.0	0.0
LAB*LABi	96.31	0.0	0.0	0.0	0.0
LAB*LABj	96.31	0.0	0.0	0.0	0.0
LAB*LABk	96.31	0.0	0.0	0.0	0.0
LAB*LABl	96.31	0.0	0.0	0.0	0.0
LAB*LABm	96.31	0.0	0.0	0.0	0.0
LAB*LABn	96.31	0.0	0.0	0.0	0.0
LAB*LABo	96.31	0.0	0.0	0.0	0.0
LAB*LABp	96.31	0.0	0.0	0.0	0.0
LAB*LABq	96.31	0.0	0.0	0.0	0.0
LAB*LABr	96.31	0.0	0.0	0.0	0.0
LAB*LABs	96.31	0.0	0.0	0.0	0.0
LAB*LABt	96.31	0.0	0.0	0.0	0.0
LAB*LABu	96.31	0.0	0.0	0.0	0.0
LAB*LABv	96.31	0.0	0.0	0.0	0.0
LAB*LABw	96.31	0.0	0.0	0.0	0.0
LAB*LABx	96.31	0.0	0.0	0.0	0.0
LAB*LABy	96.31	0.0	0.0	0.0	0.0
LAB*LABz	96.31	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	96.31	0.0	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0	0.0
LAB*LABb	96.31	0.0	0.0	0.0	0.0
LAB*LABc	96.31	0.0	0.0	0.0	0.0
LAB*LABd	96.31	0.0	0.0	0.0	0.0
LAB*LABe	96.31	0.0	0.0	0.0	0.0
LAB*LABf	96.31	0.0	0.0	0.0	0.0
LAB*LABg	96.31	0.0	0.0	0.0	0.0
LAB*LABh	96.31	0.0	0.0	0.0	0.0
LAB*LABi	96.31	0.0	0.0	0.0	0.0
LAB*LABj	96.31	0.0	0.0	0.0	0.0
LAB*LABk	96.31	0.0	0.0	0.0	0.0
LAB*LABl	96.31	0.0	0.0	0.0	0.0
LAB*LABm	96.31	0.0	0.0	0.0	0.0
LAB*LABn	96.31	0.0	0.0	0.0	0.0
LAB*LABo	96.31	0.0	0.0	0.0	0.0
LAB*LABp	96.31	0.0	0.0	0.0	0.0
LAB*LABq	96.31	0.0	0.0	0.0	0.0
LAB*LABr	96.31	0.0	0.0	0.0	0.0
LAB*LABs	96.31	0.0	0.0	0.0	0.0
LAB*LABt	96.31	0.0	0.0	0.0	0.0
LAB*LABu	96.31	0.0	0.0	0.0	0.0
LAB*LABv	96.31	0.0	0.0	0.0	0.0
LAB*LABw	96.31	0.0	0.0	0.0	0.0
LAB*LABx	96.31	0.0	0.0	0.0	0.0
LAB*LABy	96.31	0.0	0.0	0.0	0.0
LAB*LABz	96.31	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	96.31	0.0	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0	0.0
LAB*LABb	96.31	0.0	0.0	0.0	0.0
LAB*LABc	96.31	0.0	0.0	0.0	0.0
LAB*LABd	96.31	0.0	0.0	0.0	0.0
LAB*LABe	96.31	0.0	0.0	0.0	0.0
LAB*LABf	96.31	0.0	0.0	0.0	0.0
LAB*LABg	96.31	0.0	0.0	0.0	0.0
LAB*LABh	96.31	0.0	0.0	0.0	0.0
LAB*LABi	96.31	0.0	0.0	0.0	0.0
LAB*LABj	96.31	0.0	0.0	0.0	0.0
LAB*LABk	96.31	0.0	0.0	0.0	0.0
LAB*LABl	96.31	0.0	0.0	0.0	0.0
LAB*LABm	96.31	0.0	0.0	0.0	0.0
LAB*LABn	96.31	0.0	0.0	0.0	0.0
LAB*LABo	96.31	0.0	0.0	0.0	0.0
LAB*LABp	96.31	0.0	0.0	0.0	0.0
LAB*LABq	96.31	0.0	0.0	0.0	0.0
LAB*LABr	96.31	0.0	0.0	0.0	0.0
LAB*LABs	96.31	0.0	0.0	0.0	0.0
LAB*LABt	96.31	0.0	0.0	0.0	0.0
LAB*LABu	96.31	0.0	0.0	0.0	0.0
LAB*LABv	96.31	0.0	0.0	0.0	0.0
LAB*LABw	96.31	0.0	0.0	0.0	0.0
LAB*LABx	96.31	0.0	0.0	0.0	0.0
LAB*LABy	96.31	0.0	0.0	0.0	0.0
LAB*LABz	96.31	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	0.5
cmyn4*	0.25	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	44.41	-19.87	9.92	
LAB*LABa	44.41	-18.9	7.66	
LAB*TCb	37.5	20.4	157.94	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

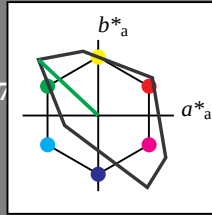
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

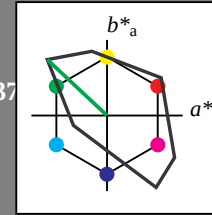
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

	olv^*3	olv^*4	olv^*5	olv^*6
olv^*3	1.0	1.0	1.0	1.0
olv^*4	0.0	1.0	1.0	1.0
olv^*5	0.0	0.0	1.0	1.0
olv^*6	0.0	0.0	0.0	1.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCHa
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^*TCHa	99.99	0.01	-	-

	lab^*lab	lab^*tch	lab^*nch
lab^*lab	1.0	0.0	0.0
lab^*tch	1.0	0.0	-
lab^*nch	0.0	0.0	1.0

	lab^*trj	lab^*tce	lab^*nce
lab^*trj	1.0	0.0	0.0
lab^*tce	0.0	1.0	0.0
lab^*nce	0.0	0.0	1.0

	olv^*3	olv^*4	olv^*5	olv^*6
olv^*3	0.75	0.75	0.75	1.0
olv^*4	0.25	0.25	0.25	0.0
olv^*5	0.0	0.0	0.0	0.0
olv^*6	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCHa
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^*TCHa	75.0	0.01	-	-

	lab^*lab	lab^*tch	lab^*nch
lab^*lab	0.75	0.0	0.0
lab^*tch	0.75	0.0	-
lab^*nch	0.0	0.0	1.0

	lab^*trj	lab^*tce	lab^*nce
lab^*trj	0.75	0.0	0.0
lab^*tce	0.0	0.75	0.0
lab^*nce	0.0	0.0	0.75

	olv^*3	olv^*4	olv^*5	olv^*6
olv^*3	0.25	0.25	0.25	0.75
olv^*4	0.75	0.75	0.75	0.0
olv^*5	0.0	0.0	0.0	0.0
olv^*6	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCHa
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^*TCHa	25.0	0.01	-	-

	lab^*lab	lab^*tch	lab^*nch
lab^*lab	0.25	0.0	0.0
lab^*tch	0.25	0.0	-
lab^*nch	0.0	0.0	1.0

	lab^*trj	lab^*tce	lab^*nce
lab^*trj	0.25	0.0	0.0
lab^*tce	0.0	0.25	0.0
lab^*nce	0.0	0.0	0.25

$n^* = 1,0$

5 step scales for constant CIELAB hue 137/360 = 0.38 (right)

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

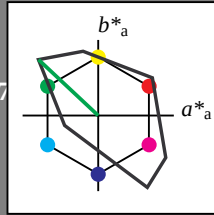
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

ol*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

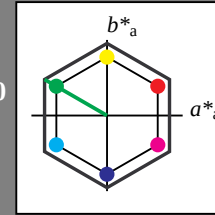
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

ol*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

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*TCBa	99.99	0.02	-		

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		
lab*nce	0.0	0.0	0.0		

standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCBa	75.0	0.02	-		

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		
lab*nce	0.25	0.0	0.0		

standard and adapted CIELAB					
LAB*LAB	55.66	-20.65	11.93		
LAB*LABa	55.66	-20.65	11.93		
LAB*TCBa	62.5	23.85	150.0		

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		
lab*nce	0.5	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

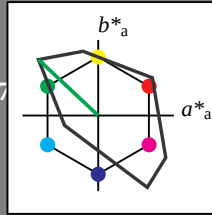
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

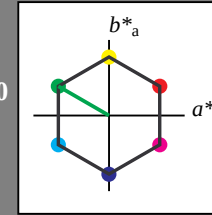
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

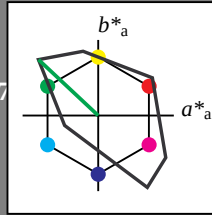
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

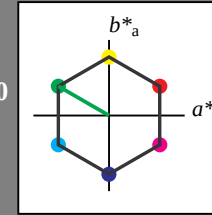
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

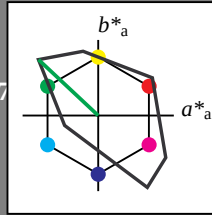
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

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

0,00

TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

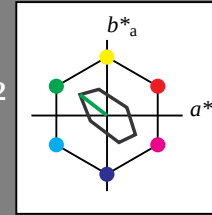
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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

0,00

0,00

% Regularity

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 142/360 = 0.395 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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^*

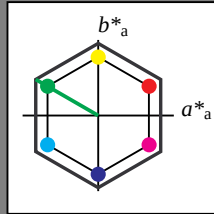
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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^*

Output: Colorimetric Offset 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

olv*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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

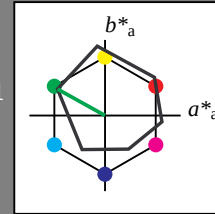
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

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^*

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

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^*

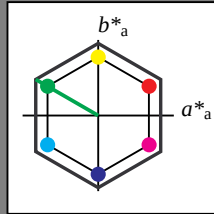
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

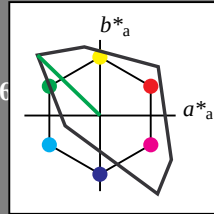
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

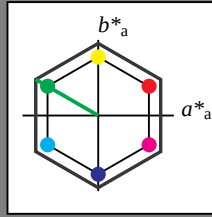
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

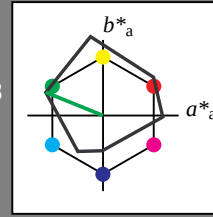
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 158/360 = 0.439 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

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^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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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^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

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1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

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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^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

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$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

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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^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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

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0,75

1,00

0,25

0,50

0,75

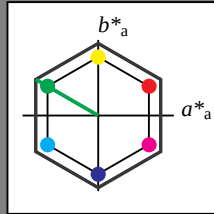
1,00

0,25

0,50

0,75

1,00



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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

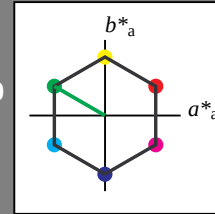
1,00

0,25

0,50

0,75

1,00



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

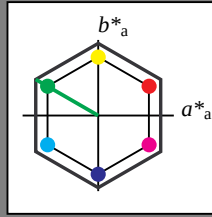
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

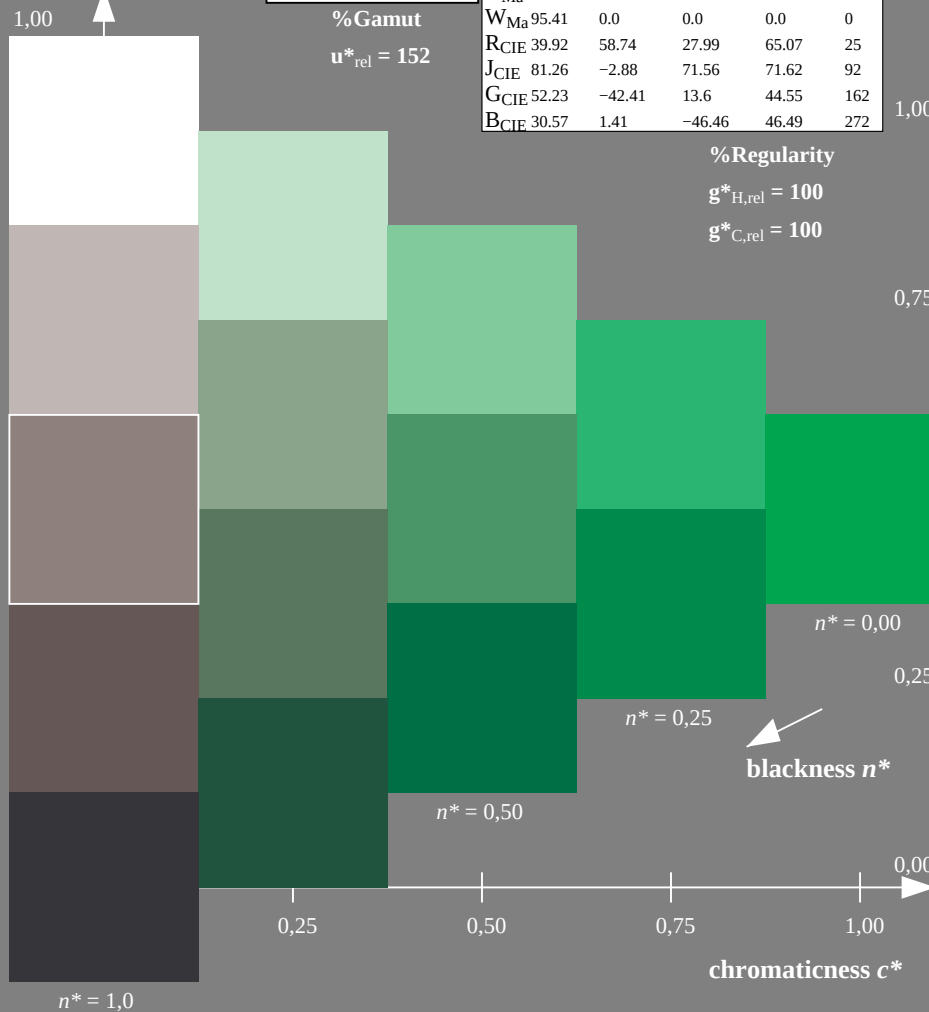


NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

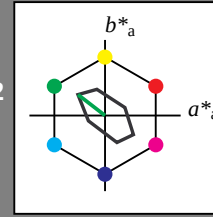
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness

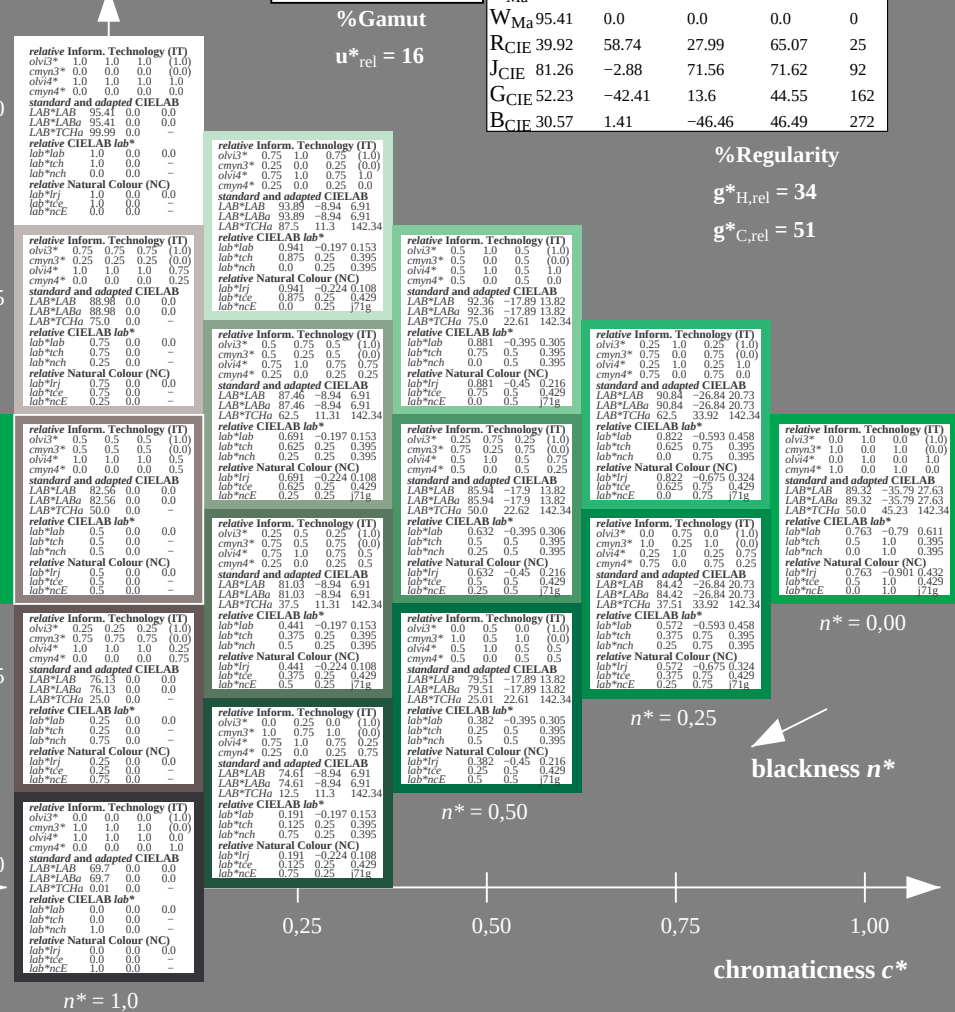


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 142/360 = 0.395 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

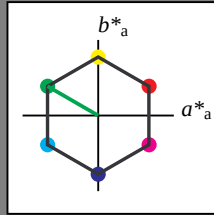
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

ol*Ma: 0.0 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Offset Reflective System ORS18

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

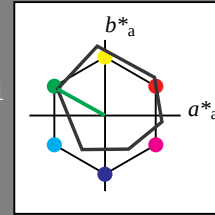
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

ol*Ma: 0.0 1.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

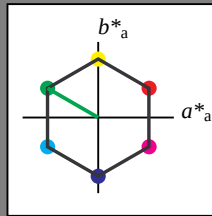
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

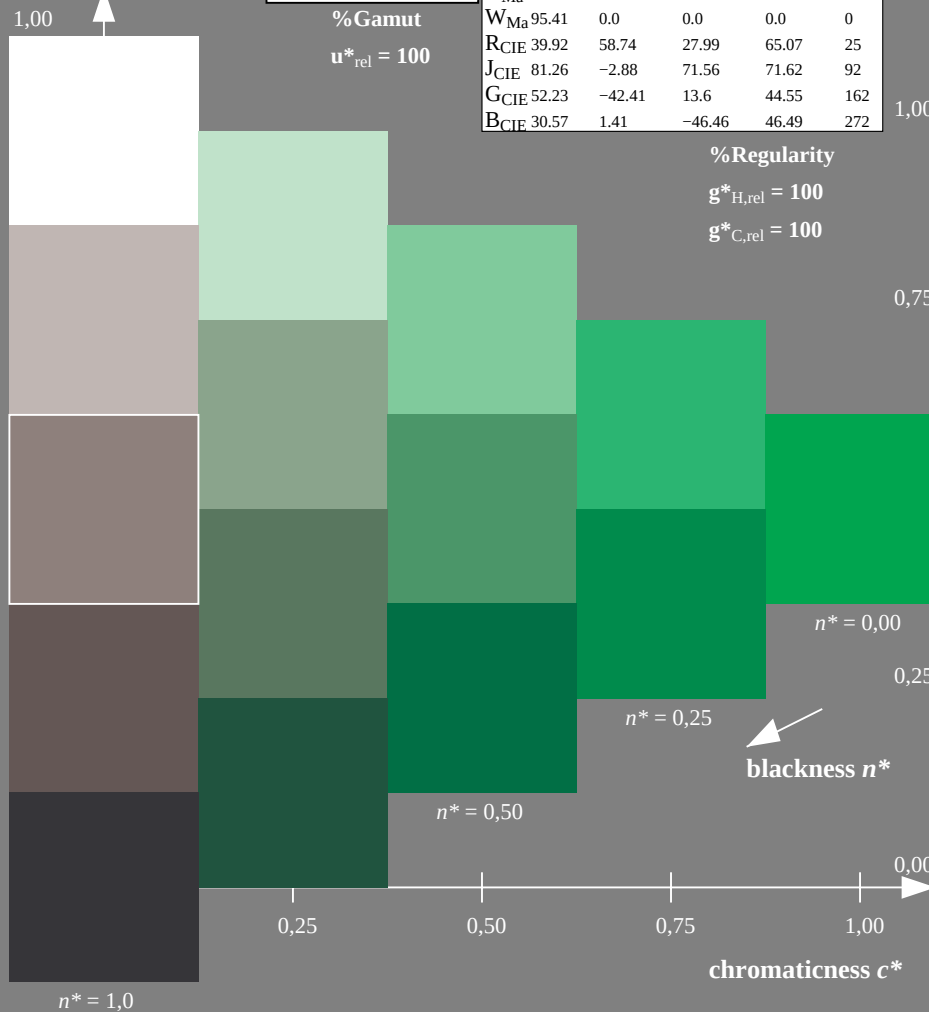
olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

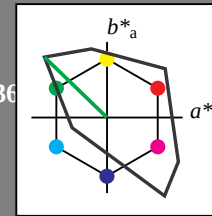
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

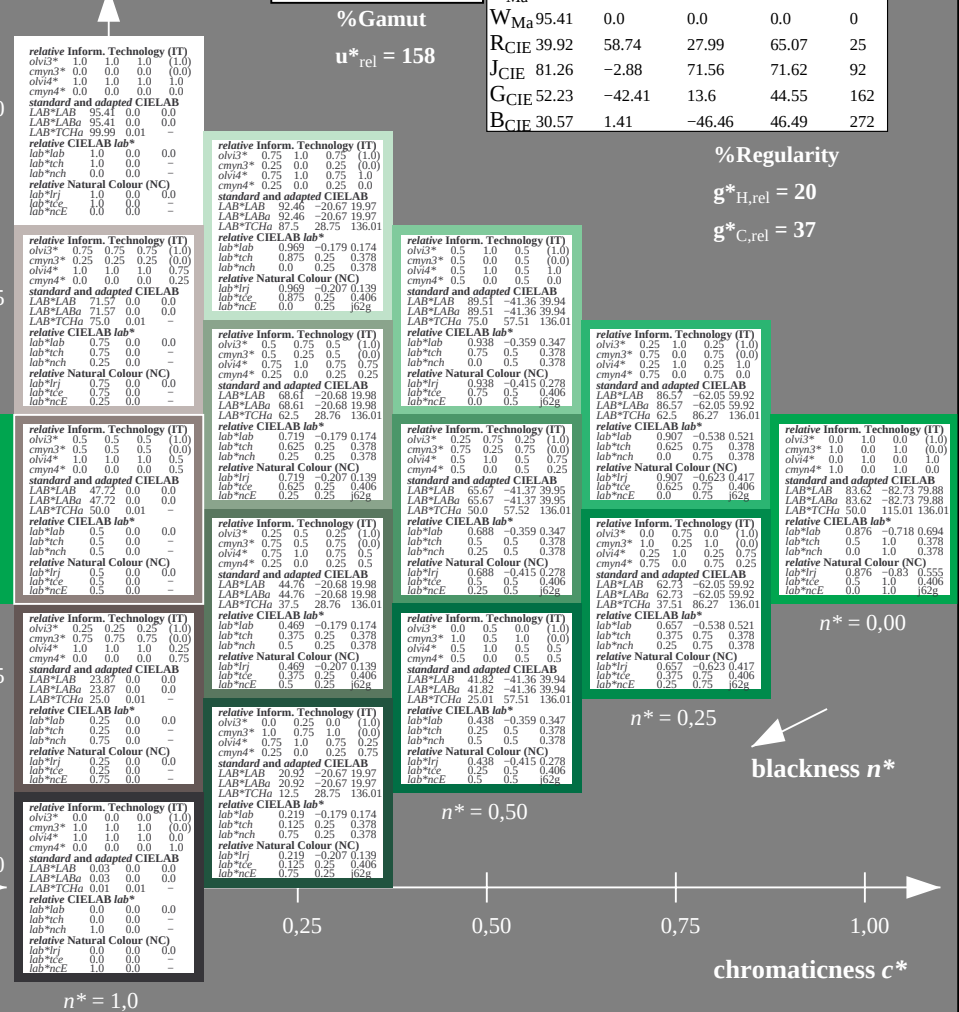
olv*Ma: 0.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 158$



5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

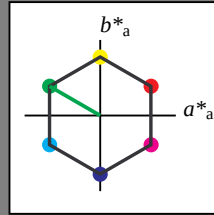
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

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

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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

0,00

0,00

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

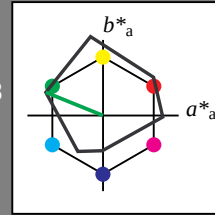
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

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	(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	96.31	-0.11	2.58		
LAB*LABa	96.31	0.0	0.0		
LAB*LABb	96.31	0.0	0.0		
LAB*LABc	96.31	0.0	0.0		
LAB*LABd	96.31	0.0	0.0		
LAB*LABe	96.31	0.0	0.0		
LAB*LABf	96.31	0.0	0.0		
LAB*LABg	96.31	0.0	0.0		
LAB*LABh	96.31	0.0	0.0		
LAB*LABi	96.31	0.0	0.0		
LAB*LABj	96.31	0.0	0.0		
LAB*LABk	96.31	0.0	0.0		
LAB*LABl	96.31	0.0	0.0		
LAB*LABm	96.31	0.0	0.0		
LAB*LABn	96.31	0.0	0.0		
LAB*LABo	96.31	0.0	0.0		
LAB*LABp	96.31	0.0	0.0		
LAB*LABq	96.31	0.0	0.0		
LAB*LABr	96.31	0.0	0.0		
LAB*LABs	96.31	0.0	0.0		
LAB*LABt	96.31	0.0	0.0		
LAB*LABu	96.31	0.0	0.0		
LAB*LABv	96.31	0.0	0.0		
LAB*LABw	96.31	0.0	0.0		
LAB*LABx	96.31	0.0	0.0		
LAB*LABy	96.31	0.0	0.0		
LAB*LABz	96.31	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*	0.75	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.38	-0.44	2.45		
LAB*LABa	76.38	0.0	0.0		
LAB*LABb	76.38	0.0	0.0		
LAB*LABc	76.38	0.0	0.0		
LAB*LABd	76.38	0.0	0.0		
LAB*LABe	76.38	0.0	0.0		
LAB*LABf	76.38	0.0	0.0		
LAB*LABg	76.38	0.0	0.0		
LAB*LABh	76.38	0.0	0.0		
LAB*LABi	76.38	0.0	0.0		
LAB*LABj	76.38	0.0	0.0		
LAB*LABk	76.38	0.0	0.0		
LAB*LABl	76.38	0.0	0.0		
LAB*LABm	76.38	0.0	0.0		
LAB*LABn	76.38	0.0	0.0		
LAB*LABo	76.38	0.0	0.0		
LAB*LABp	76.38	0.0	0.0		
LAB*LABq	76.38	0.0	0.0		
LAB*LABr	76.38	0.0	0.0		
LAB*LABs	76.38	0.0	0.0		
LAB*LABt	76.38	0.0	0.0		
LAB*LABu	76.38	0.0	0.0		
LAB*LABv	76.38	0.0	0.0		
LAB*LABw	76.38	0.0	0.0		
LAB*LABx	76.38	0.0	0.0		
LAB*LABy	76.38	0.0	0.0		
LAB*LABz	76.38	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*	0.5	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.44	-0.76	2.32		
LAB*LABa	56.44	0.0	0.0		
LAB*LABb	56.44	0.0	0.0		
LAB*LABc	56.44	0.0	0.0		
LAB*LABd	56.44	0.0	0.0		
LAB*LABe	56.44	0.0	0.0		
LAB*LABf	56.44	0.0	0.0		
LAB*LABg	56.44	0.0	0.0		
LAB*LABh	56.44	0.0	0.0		
LAB*LABi	56.44	0.0	0.0		
LAB*LABj	56.44	0.0	0.0		
LAB*LABk	56.44	0.0	0.0		
LAB*LABl	56.44	0.0	0.0		
LAB*LABm	56.44	0.0	0.0		
LAB*LABn	56.44	0.0	0.0		
LAB*LABo	56.44	0.0	0.0		
LAB*LABp	56.44	0.0	0.0		
LAB*LABq	56.44	0.0	0.0		
LAB*LABr	56.44	0.0	0.0		
LAB*LABs	56.44	0.0	0.0		
LAB*LABt	56.44	0.0	0.0		
LAB*LABu	56.44	0.0	0.0		
LAB*LABv	56.44	0.0	0.0		
LAB*LABw	56.44	0.0	0.0		
LAB*LABx	56.44	0.0	0.0		
LAB*LABy	56.44	0.0	0.0		
LAB*LABz	56.44	0.0	0.0		

LAB*TCh	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*lrj	0.75	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.25	0.0	-

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

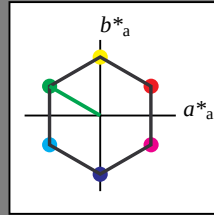
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

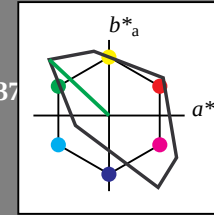
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 137/360 = 0.38 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

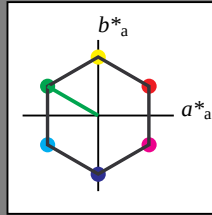
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

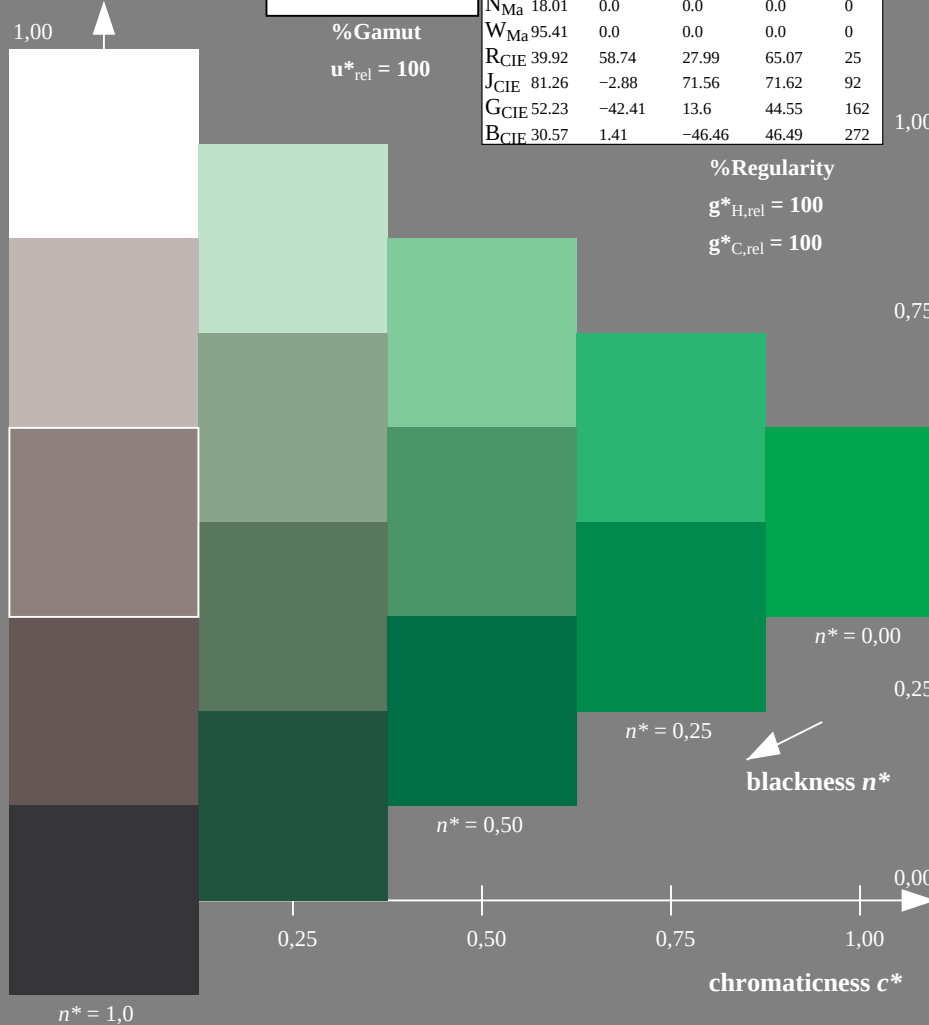


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

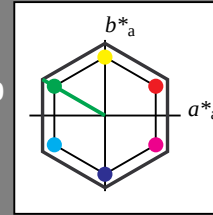
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

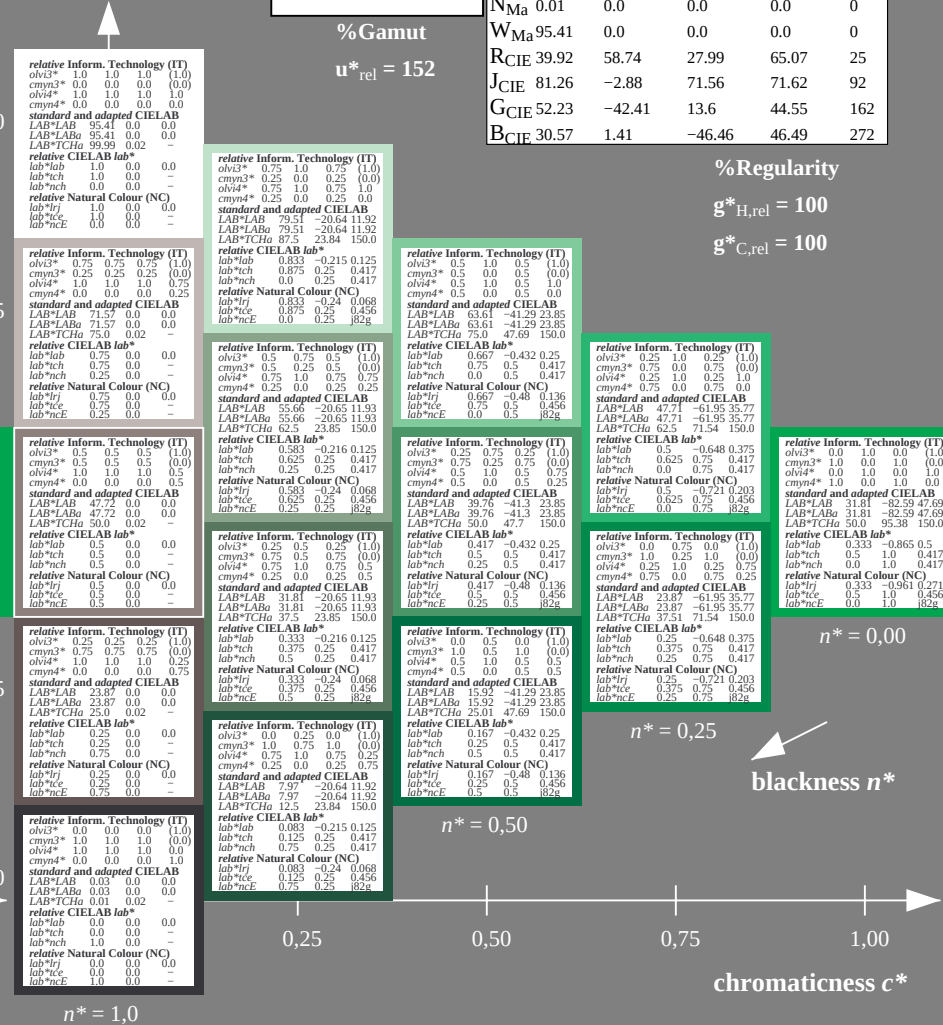


NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

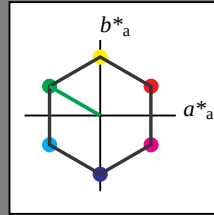
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

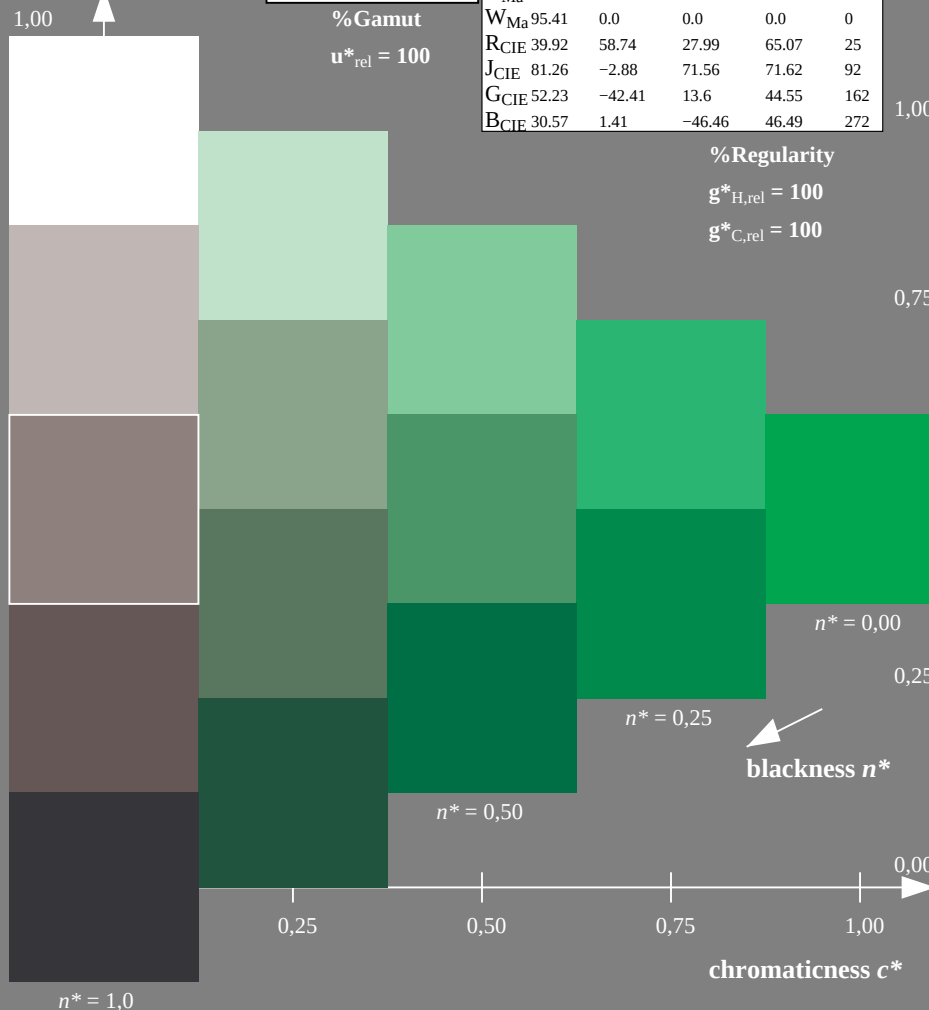
$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

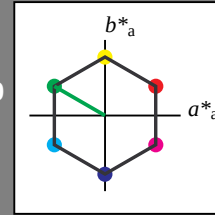
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

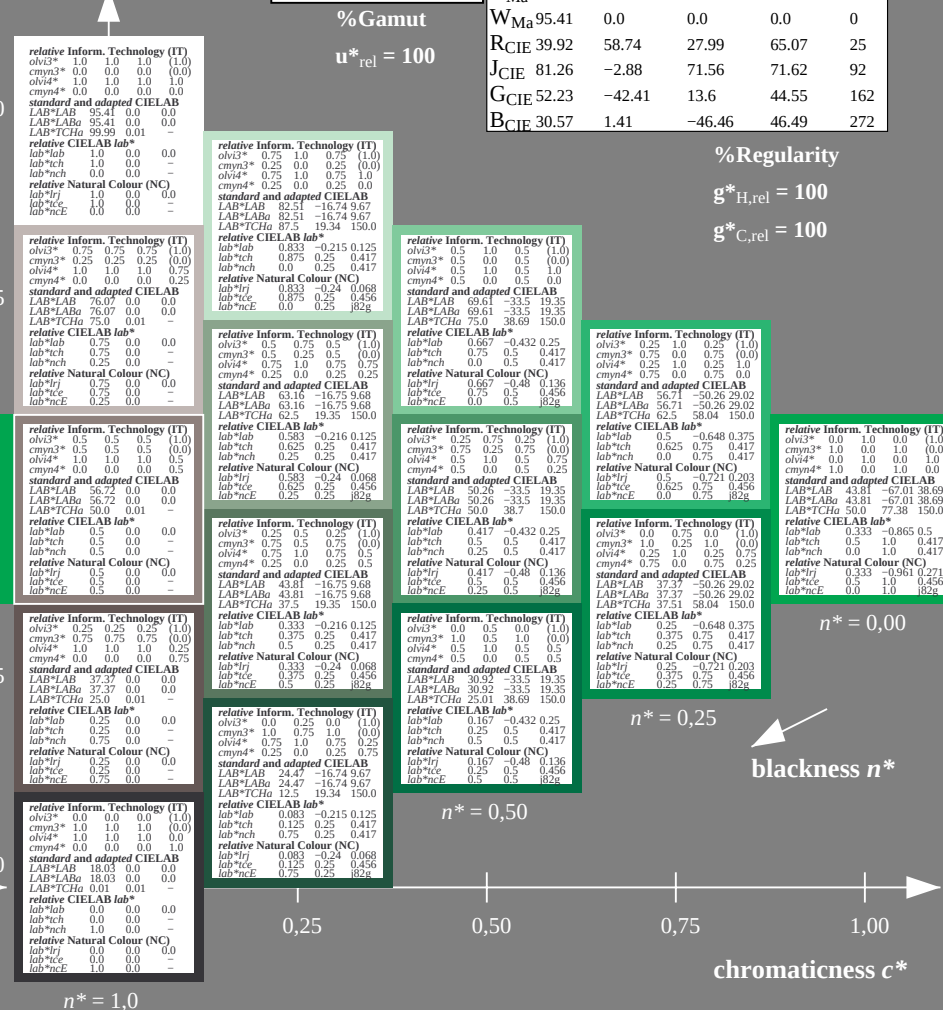
$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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



5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

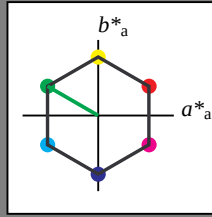
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

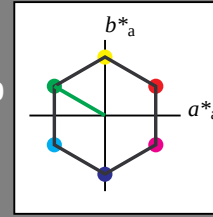
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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 150/360 = 0.417 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

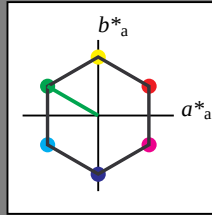
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

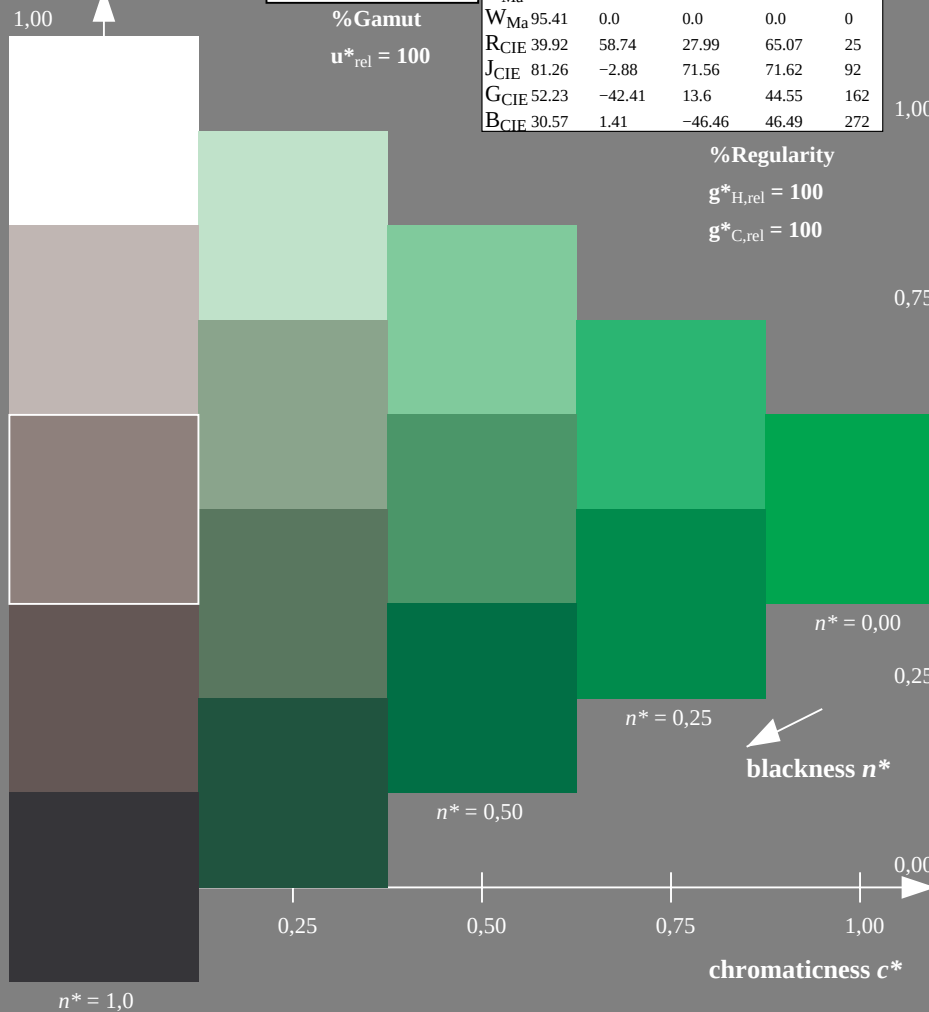


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

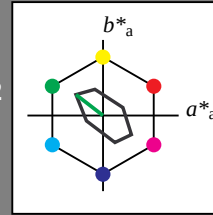
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness

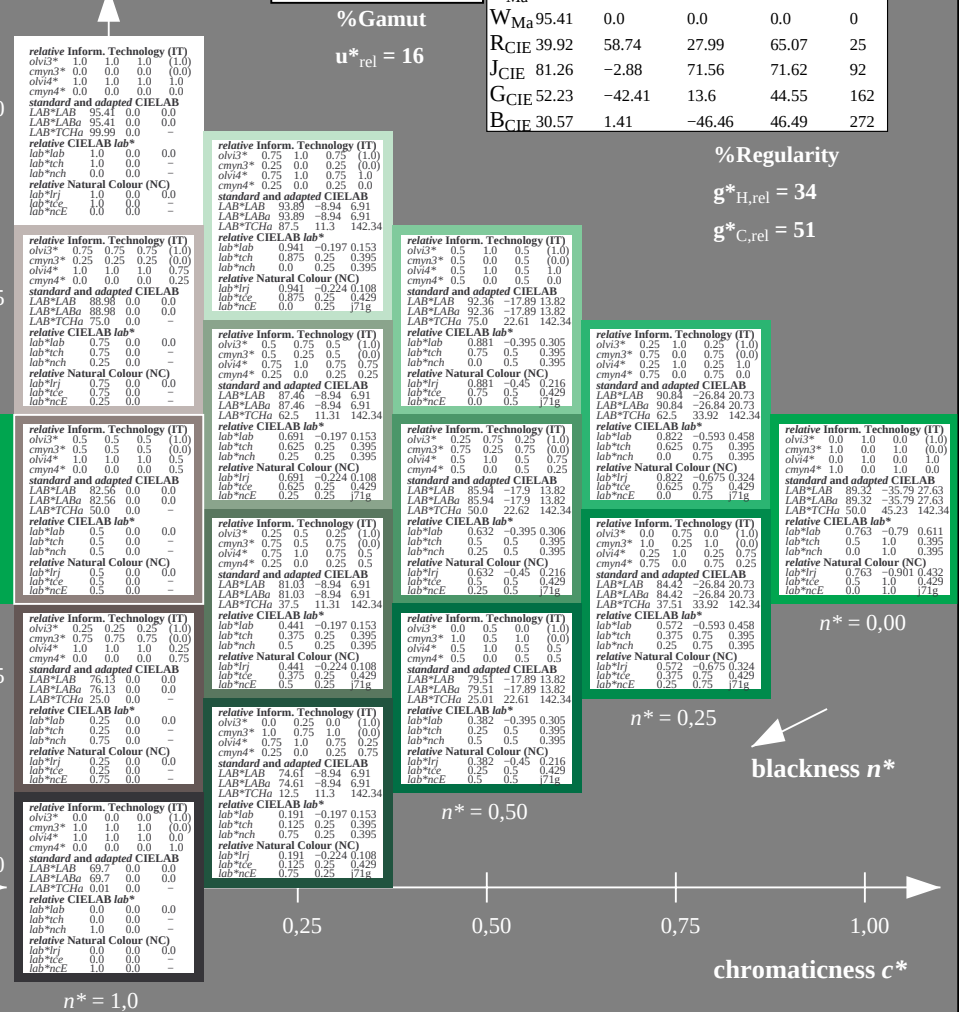


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 142/360 = 0.395 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

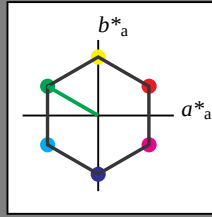
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

Output: Colorimetric Offset Reflective System ORS18

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

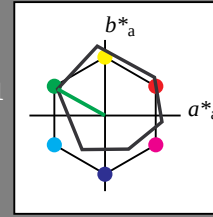
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

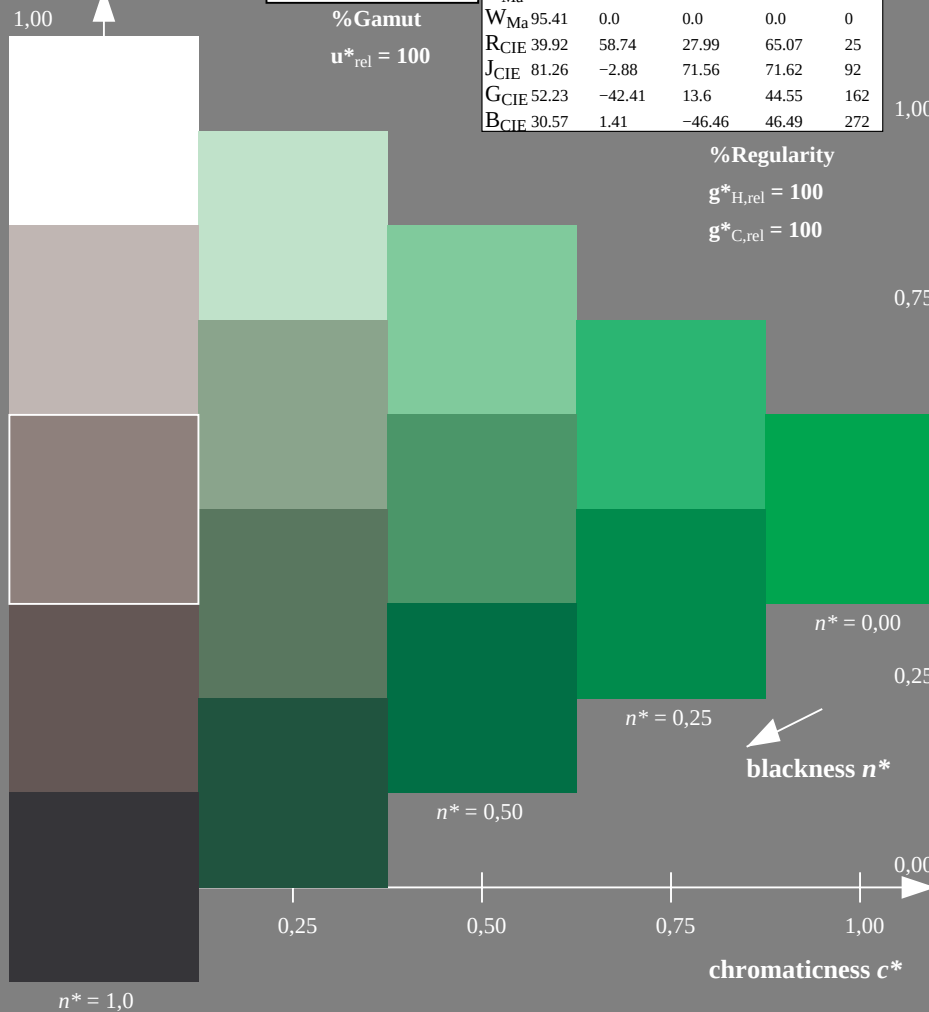
ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

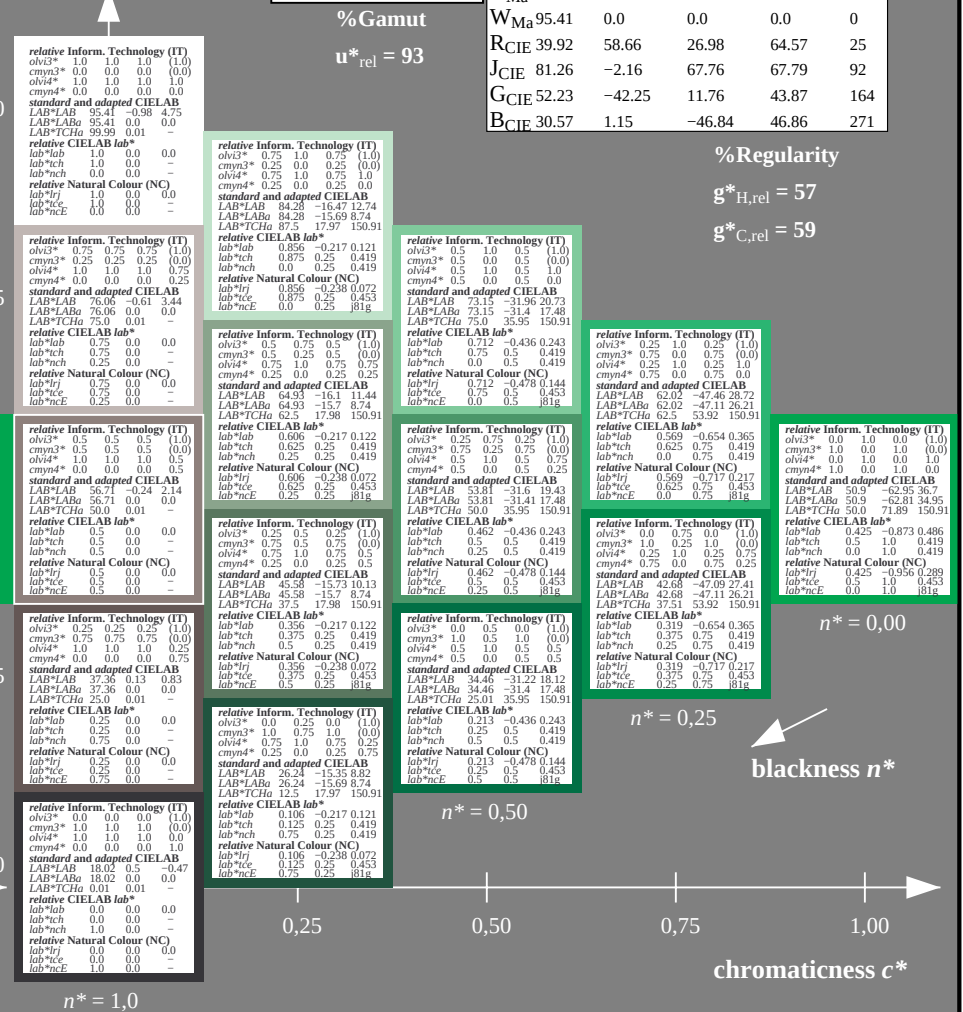
% Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)



5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

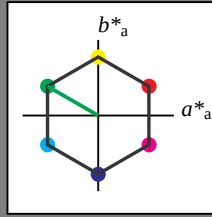
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

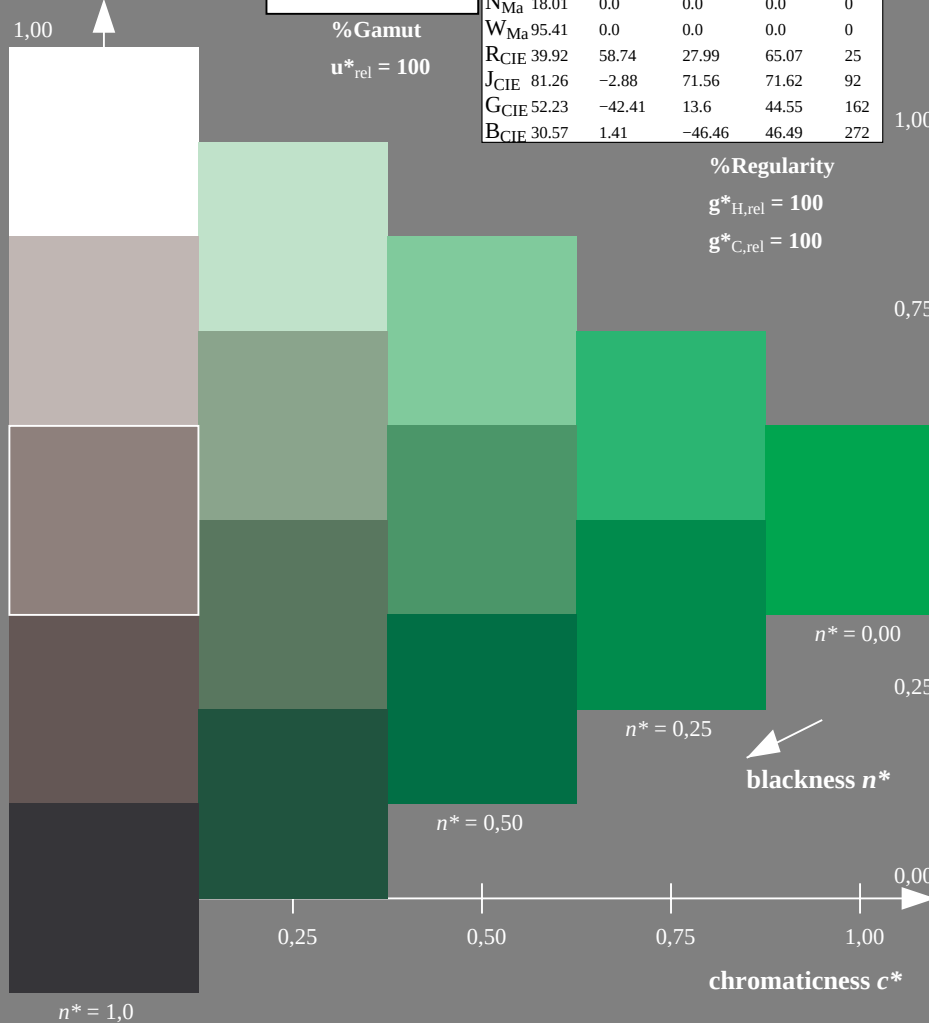


SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

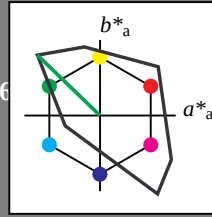
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness

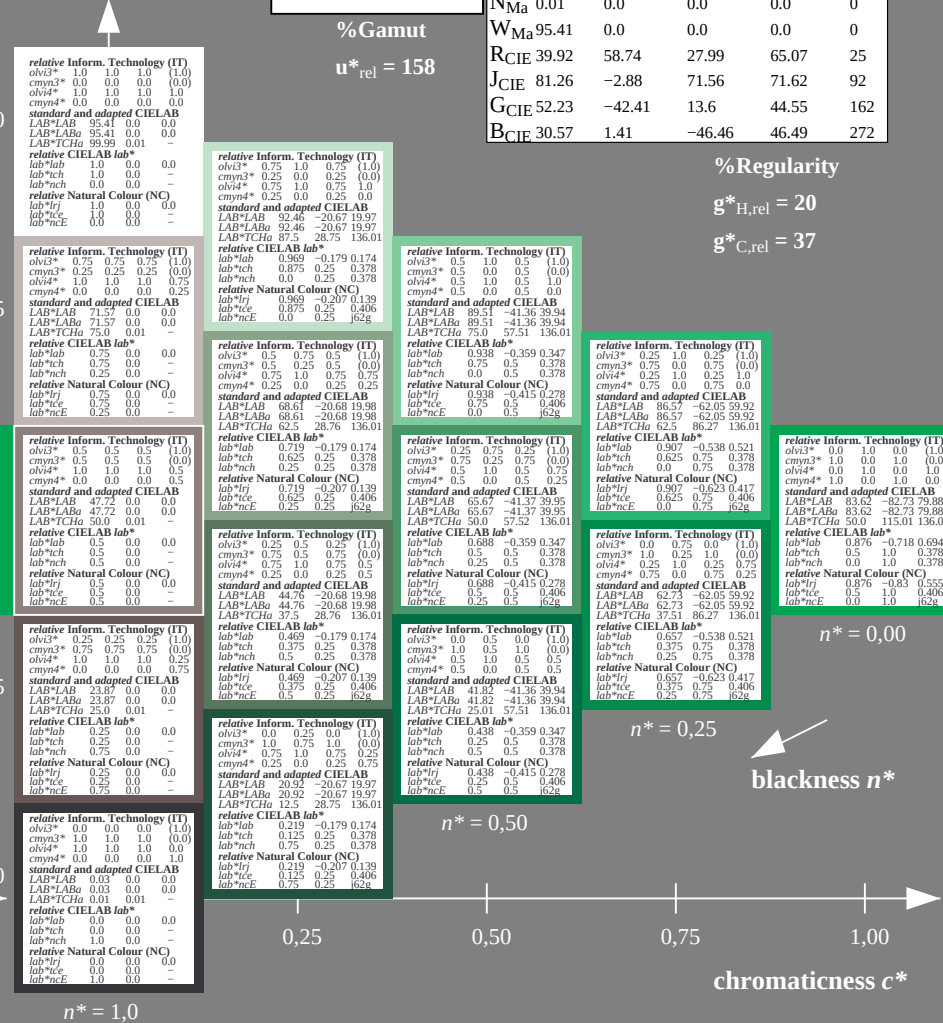


TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

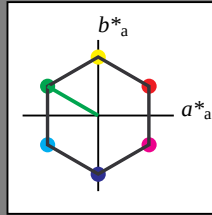
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

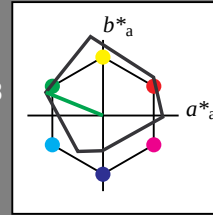
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

1,00

0,75

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 158/360 = 0.439 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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

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

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

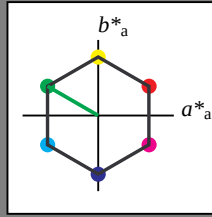
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

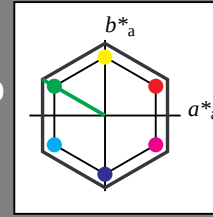
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

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	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*TCBa	99.99	0.02	-		

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		
cmyn4*	0.0	0.0	0.0	0.25	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	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCBa	75.0	0.02	-		

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		
cmyn4*	0.0	0.0	0.0	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	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5	0.0
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCBa	50.0	0.02	-		

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		
cmyn4*	0.0	0.0	0.0	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	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75	0.0
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	0.0	0.0		
LAB*TCBa	25.0	0.02	-		

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		
cmyn4*	0.0	0.0	0.0	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	0.25	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	0.0
cmyn4*	0.0	0.0	0.0	1.0	0.0
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCBa	0.01	0.02	-		

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		
cmyn4*	0.0	0.0	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	1.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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	0.0
cmyn4*	0.25	0.0	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	79.51	-20.64	11.92		
LAB*LABa	79.51	-20.64	11.92		
LAB*TCBa	87.5	23.84	150.0		

LAB*LAB	79.51	20.04	11.92
LAB*TCH	87.5	23.84	150.0
relative CIELAB lab*			
lab*lab	0.833	-0.215	0.125
lab*tch	0.875	0.25	0.417
lab*nch	0.0	0.25	0.417
relative Natural Colour (NC)			
lab*Irr	0.833	-0.24	0.068
lab*tce	0.875	0.25	0.456
lab*nCe	0.0	0.25	0.82g

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

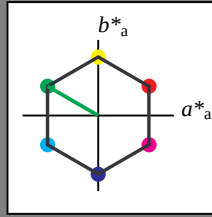
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



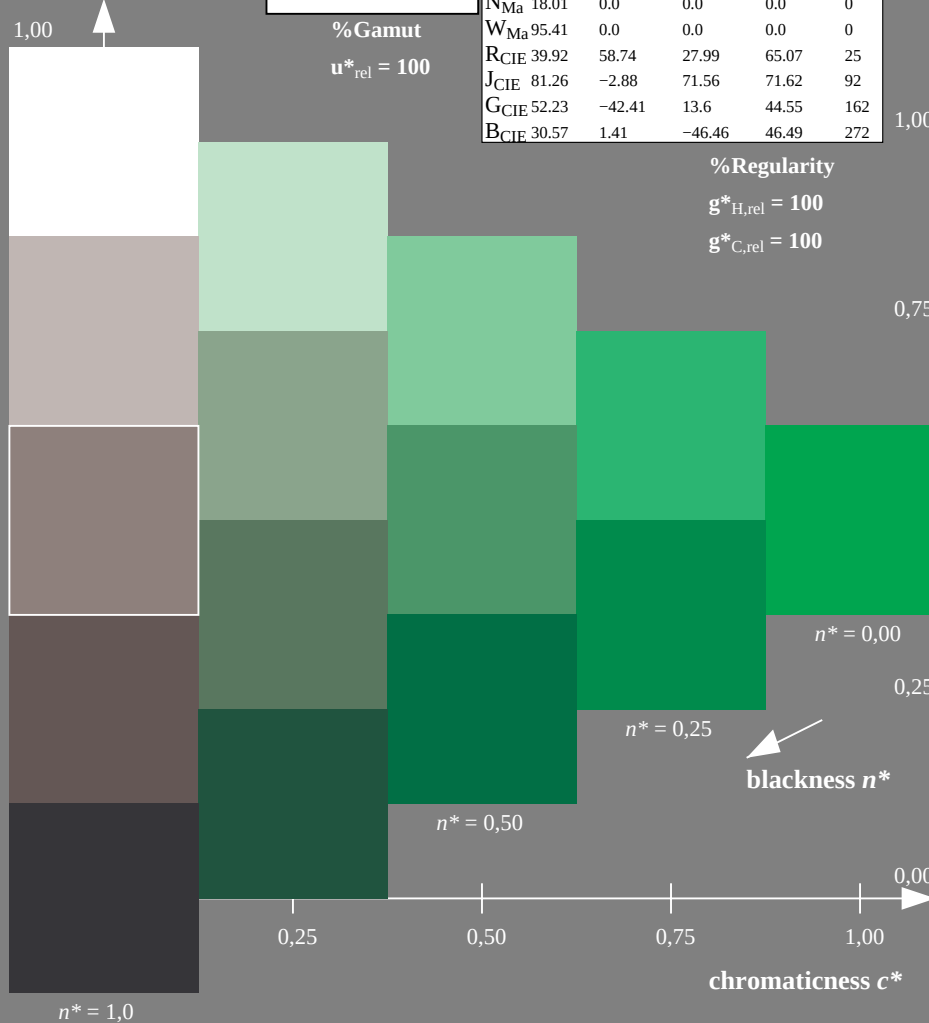
SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut
 $u^*_{rel} = 100$

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

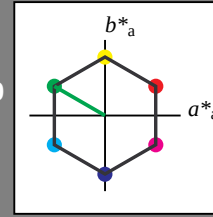
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



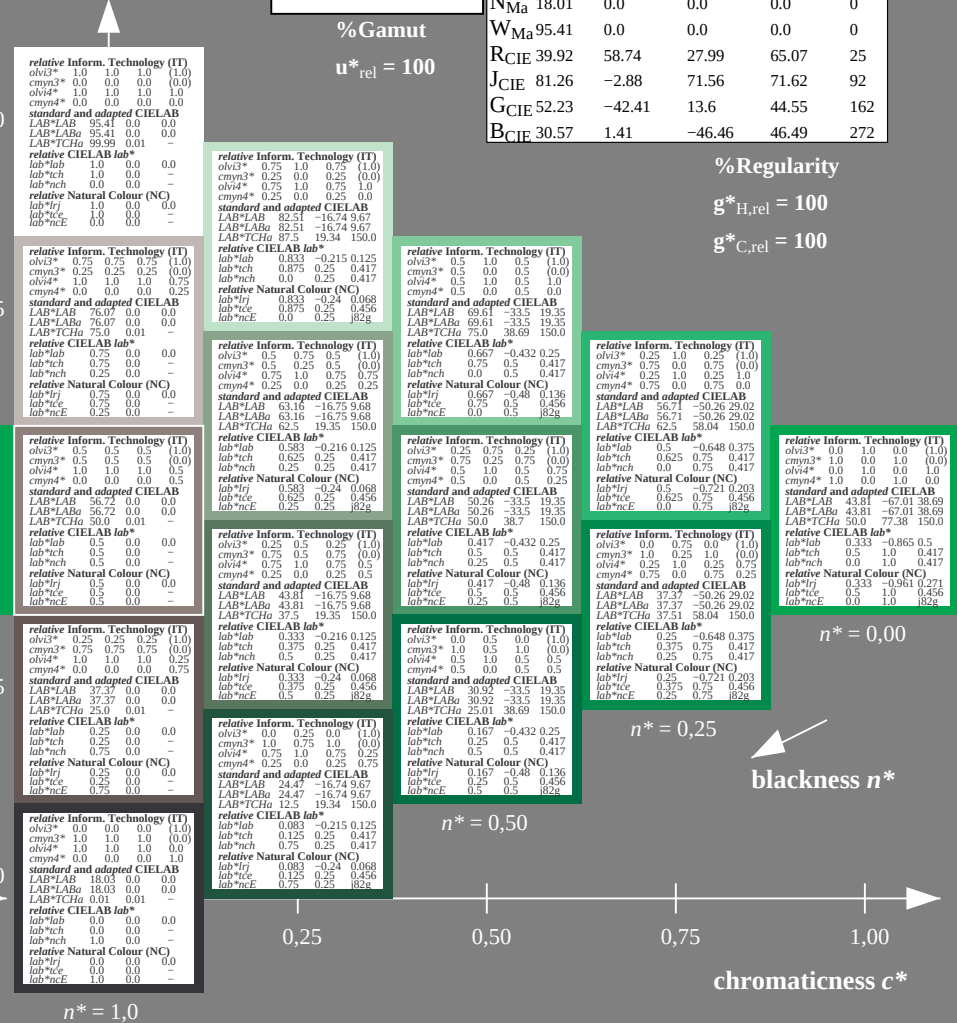
NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut
 $u^*_{rel} = 100$

%Regularity

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

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



5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

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blackness n^*

blackness n^*

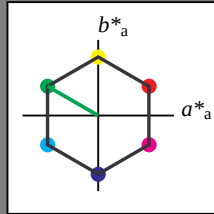
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

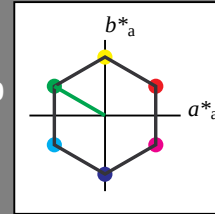
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

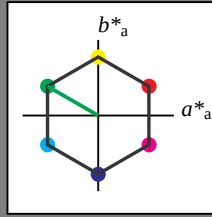
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

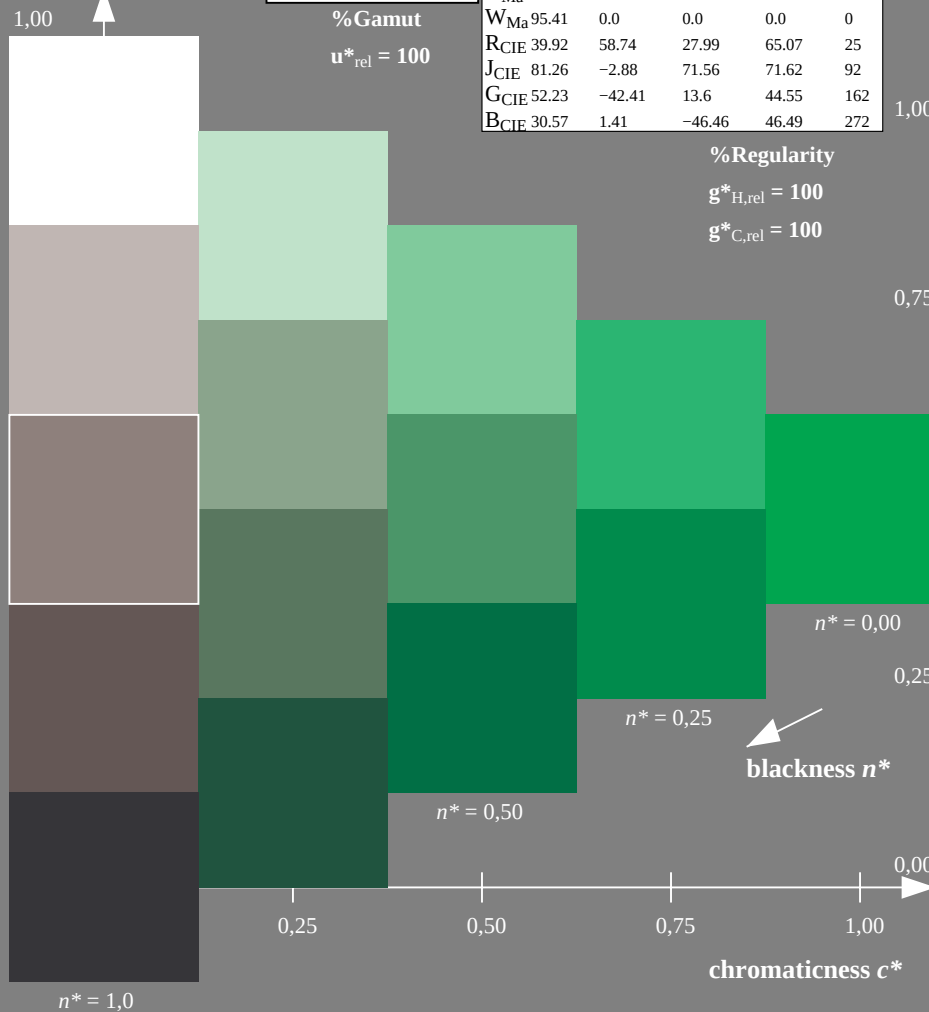


SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

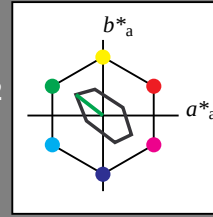
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness

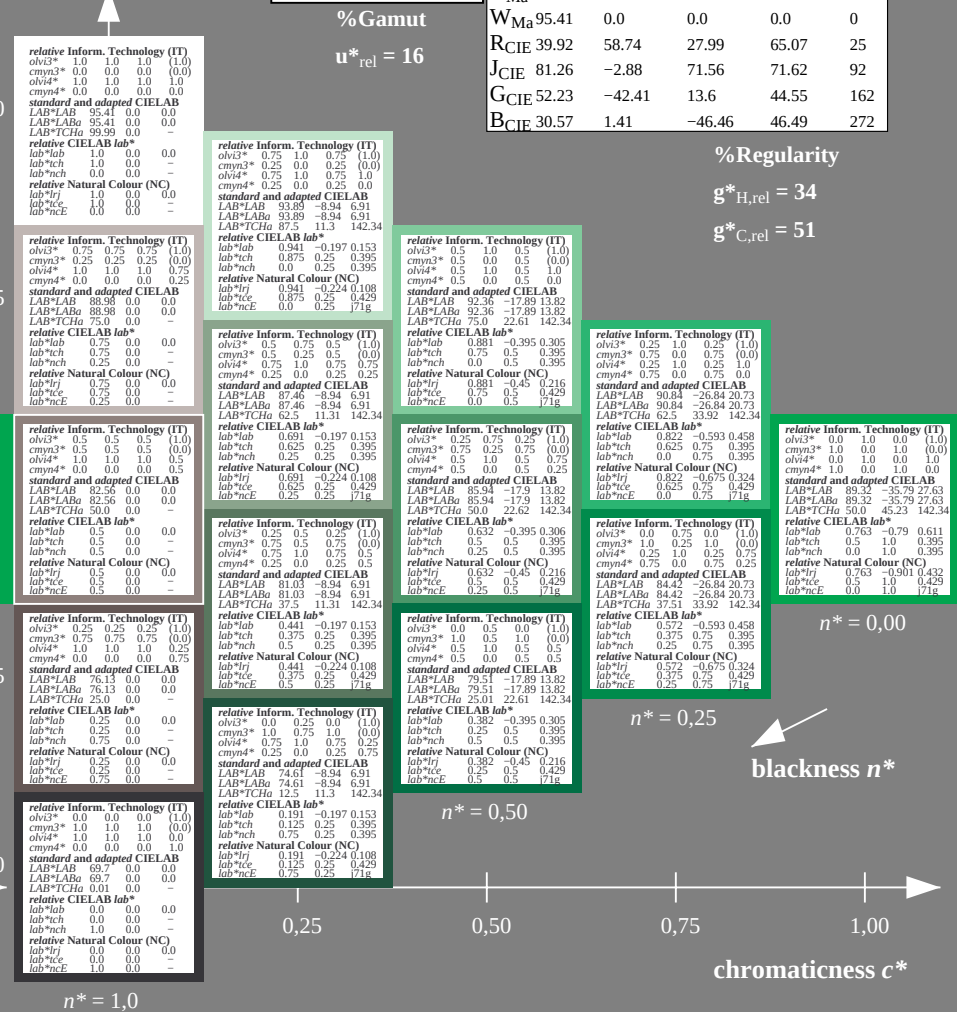


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 142/360 = 0.395 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

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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^*

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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

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

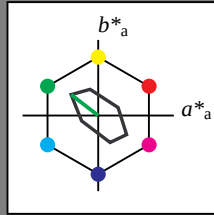
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

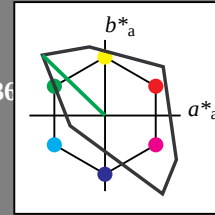
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

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)

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0

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)

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.01	-

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0

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)

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

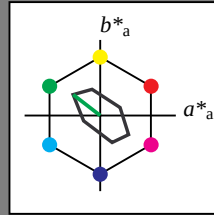
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

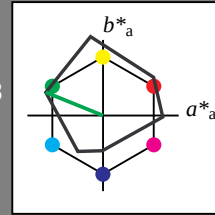
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 158/360 = 0.439 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

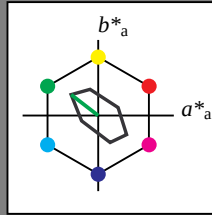
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

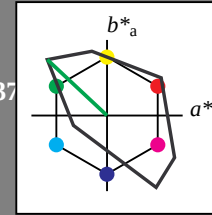
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 137/360 = 0.38 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

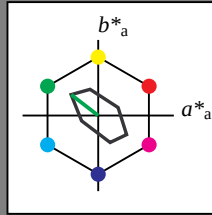
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

ol*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

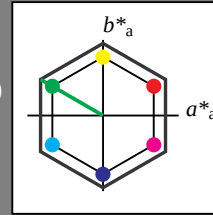
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

ol*Ma: 0.0 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

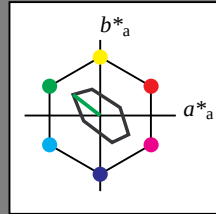
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

ol*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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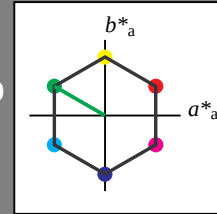
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

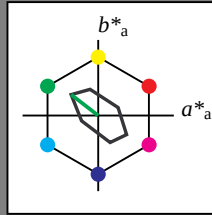
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

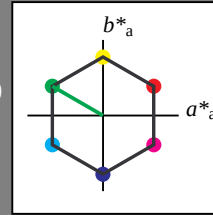
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

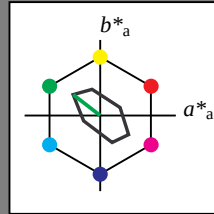
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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$n^* = 0,00$

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$n^* = 1,0$

chromaticness c^*

blackness n^*

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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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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$n^* = 1,0$

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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$n^* = 1,0$

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^*

blackness n^*

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chromaticness c^*

blackness n^*

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

Input: Colorimetric Offset 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

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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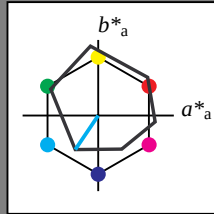
0,00

0,00

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0,00

0,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Offset 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

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

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0,00

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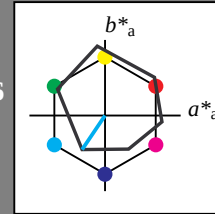
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Offset 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

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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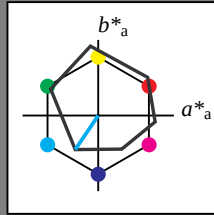
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ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

0,75

0,75

0,75

0,75

0,75

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Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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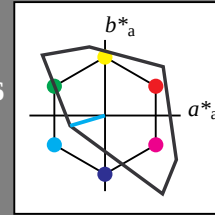
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TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

0,75

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OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

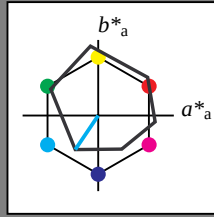
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

ol*Ma: 0.0 1.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

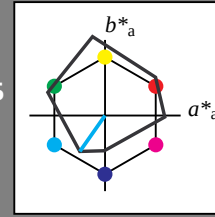
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

ol*Ma: 0.0 1.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 235/360 = 0.653 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

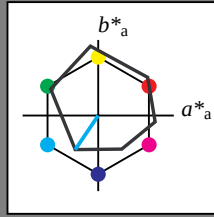
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

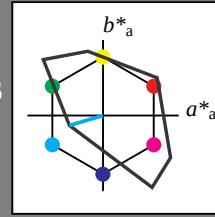
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 196/360 = 0.546 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

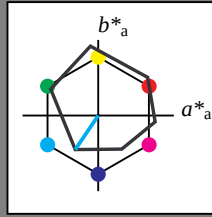
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

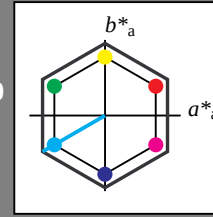
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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 210/360 = 0.583 (right)

Input: Colorimetric Offset 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

olv*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^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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^*

OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

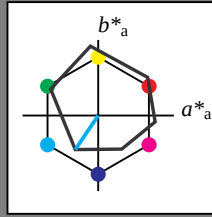
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

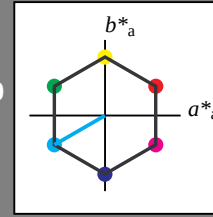
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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 210/360 = 0.583 (right)

Input: Colorimetric Offset 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

olv*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

$n^* = 1,0$

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^*

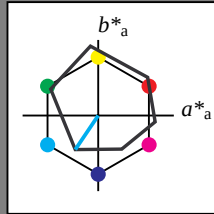
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

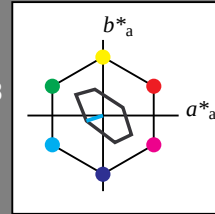
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS70; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

OE400-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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^*

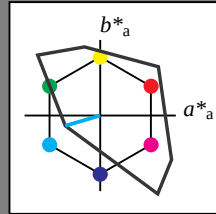
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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^*

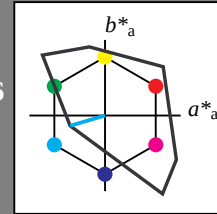
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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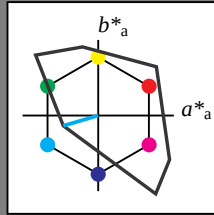
↑

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↑



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

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Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

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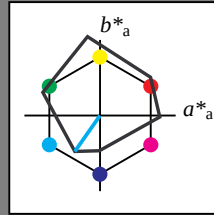
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% Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

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DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

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OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

5 step scales for constant CIELAB hue 235/360 = 0.653 (right)

5 step scales for constant CIELAB hue $196/360 = 0.546$ (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

$n^* = 0,00$

0,25

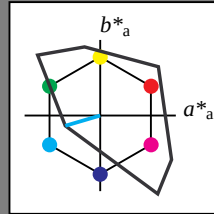
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

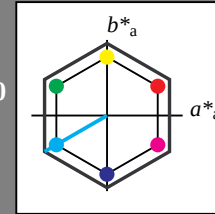
$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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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^*

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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^*

$n^* = 1,0$

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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^*

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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^*

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

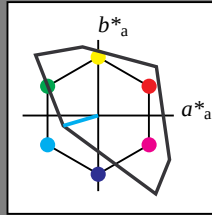
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

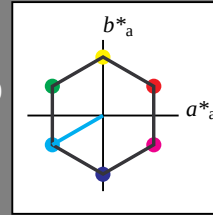
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
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

$n^* = 0,00$

0,25

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

$n^$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

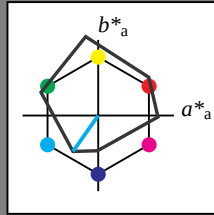
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

$\%Regularity$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 235/360 = 0.653 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

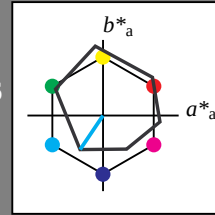
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

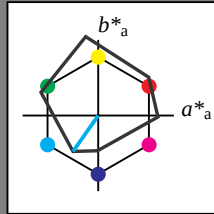
$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 235/360 = 0.653 (left)



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

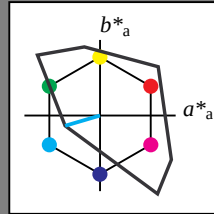
$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

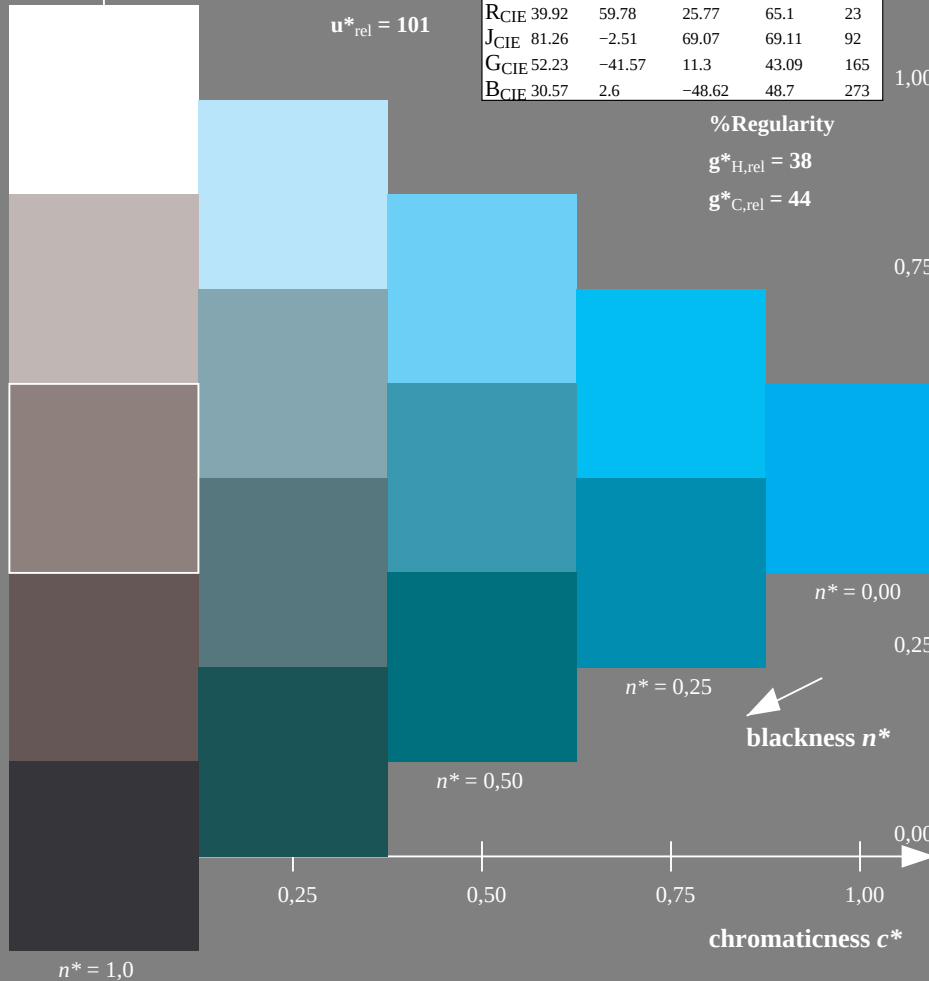
D65: hue C

LCH*Ma: 53 58 235

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00



OE400-7, 5 step scales for constant CIE LAB hue 235/360 = 0.653 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

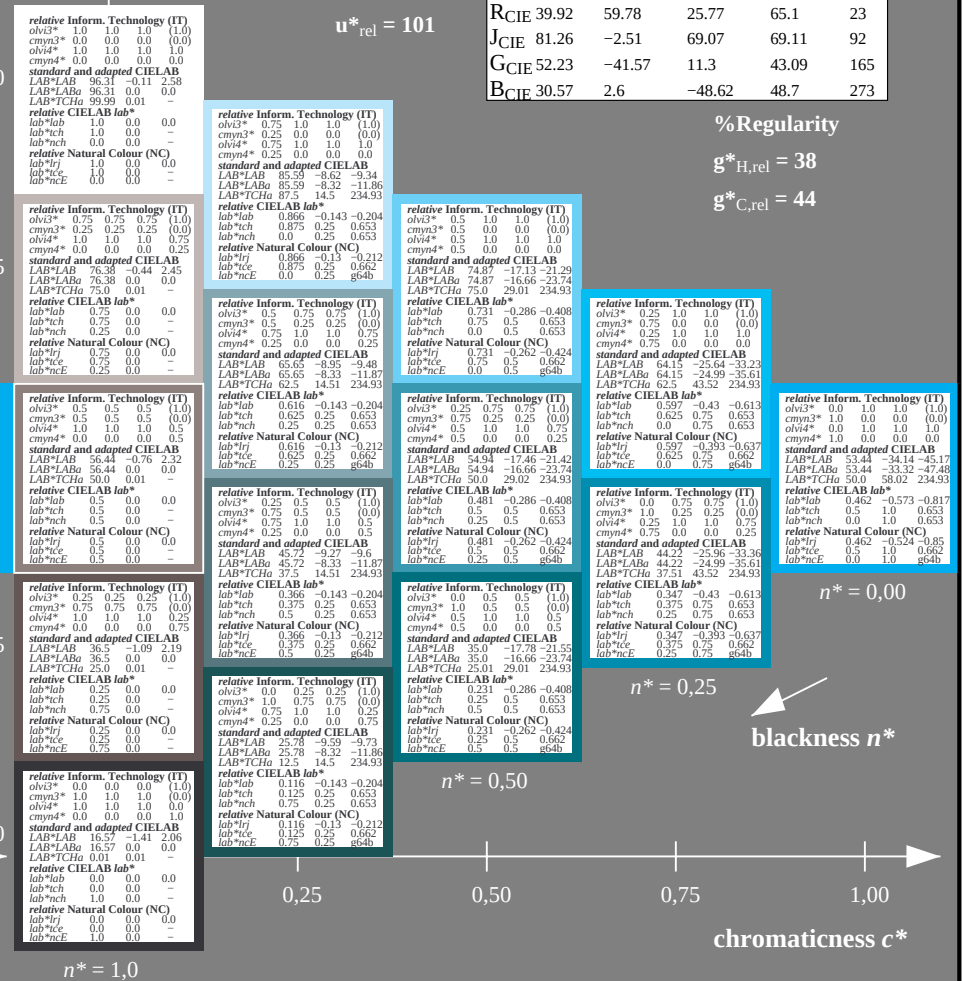
D65: hue C

LCH*Ma: 53 58 235

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00



5 step scales for constant CIE LAB hue 235/360 = 0.653 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

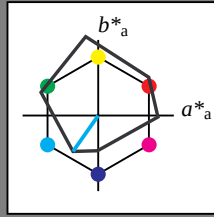
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 235/360 = 0.653 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

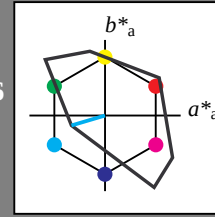
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 1,0$

5 step scales for constant CIELAB hue 196/360 = 0.546 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

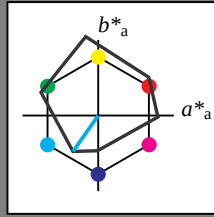
0,25

0,50

0,75

1,00

chromaticness c^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

1,00

0,75

0,25

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

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

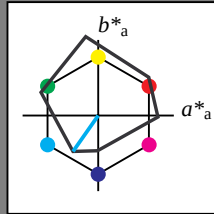
0,25

0,50

0,75

1,00

chromaticness c^*



DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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^*

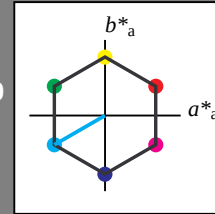
0,25

0,50

0,75

1,00

chromaticness c^*



NRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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^*

OE400-7, 5 step scales for constant CIELAB hue 235/360 = 0.653 (left)

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

D65: hue C

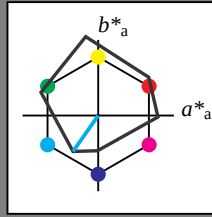
LCH*Ma: 53 58 235

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

0,25

0,00

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 235/360 = 0.653 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

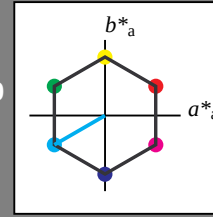
LCH*Ma: 57 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

1,00

0,75

0,25

0,00

$n^* = 1,0$

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

0,25

0,00

$n^* = 1,0$

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

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 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 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*tce 1.0 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* 0.75 0.75 0.75 (1.0)

cmyn4* 0.25 0.25 0.25 (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 0.0

lab*nch 0.75 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 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* 0.5 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 66.39 0.0 0.0

LAB*LABa 66.39 0.0 0.0

LAB*LABb 66.39 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* 0.25 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 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

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* 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 42.21 0.0 0.0

LAB*LABa 42.21 0.0 0.0

LAB*LABb 42.21 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 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*tce 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* 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 30.57 0.0 0.0

LAB*LABa 30.57 0.0 0.0

LAB*LABb 30.57 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 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*tce 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* 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 16.56 0.0 0.0

LAB*LABa 16.56 0.0 0.0

LAB*LABb 16.56 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 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*tce 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* 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 9.01 0.0 0.0

LAB*LABa 9.01 0.0 0.0

LAB*LABb 9.01 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 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*tce 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* 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 4.01 0.0 0.0

LAB*LABa 4.01 0.0 0.0

LAB*LABb 4.01 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

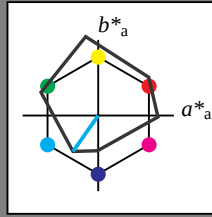
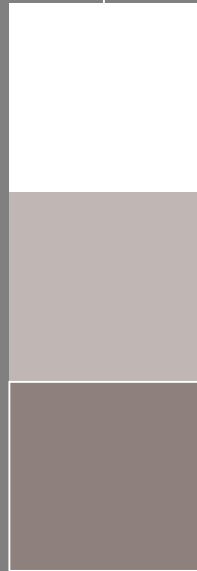
D65: hue C

LCH*Ma: 53 58 235

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.0			
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	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*TCHa	75.0	0.0			
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	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
LAB*TCHa	50.0	0.0			
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	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*TCHa	25.0	0.0			
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	0.75	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	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCHa	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			
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	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCHa	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			
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0			

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* = 24,25$

$n^* = 24,50$

$n^* = 24,75$

$n^* = 25,00$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

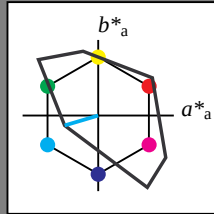
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 Offset 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

ol*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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

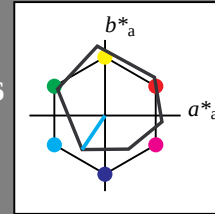
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

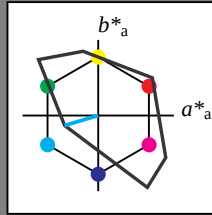
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

ol*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

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

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

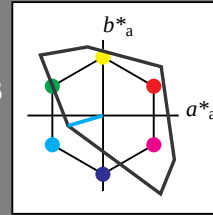
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

ol*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

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

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)

$n^* = 1,0$

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

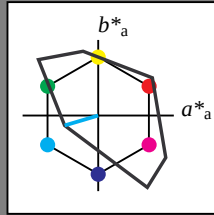
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

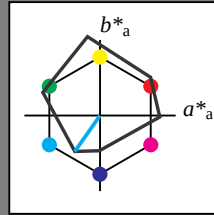
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 235/360 = 0.653 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

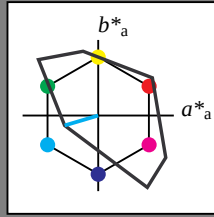
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

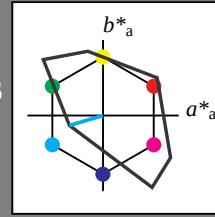
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 196/360 = 0.546 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

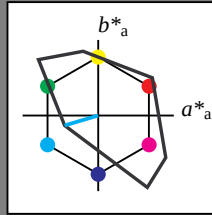
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

1,00

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TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

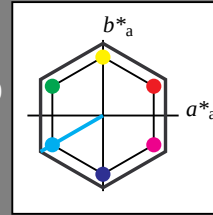
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

1,00

↑

1,00

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NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

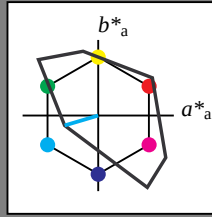
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

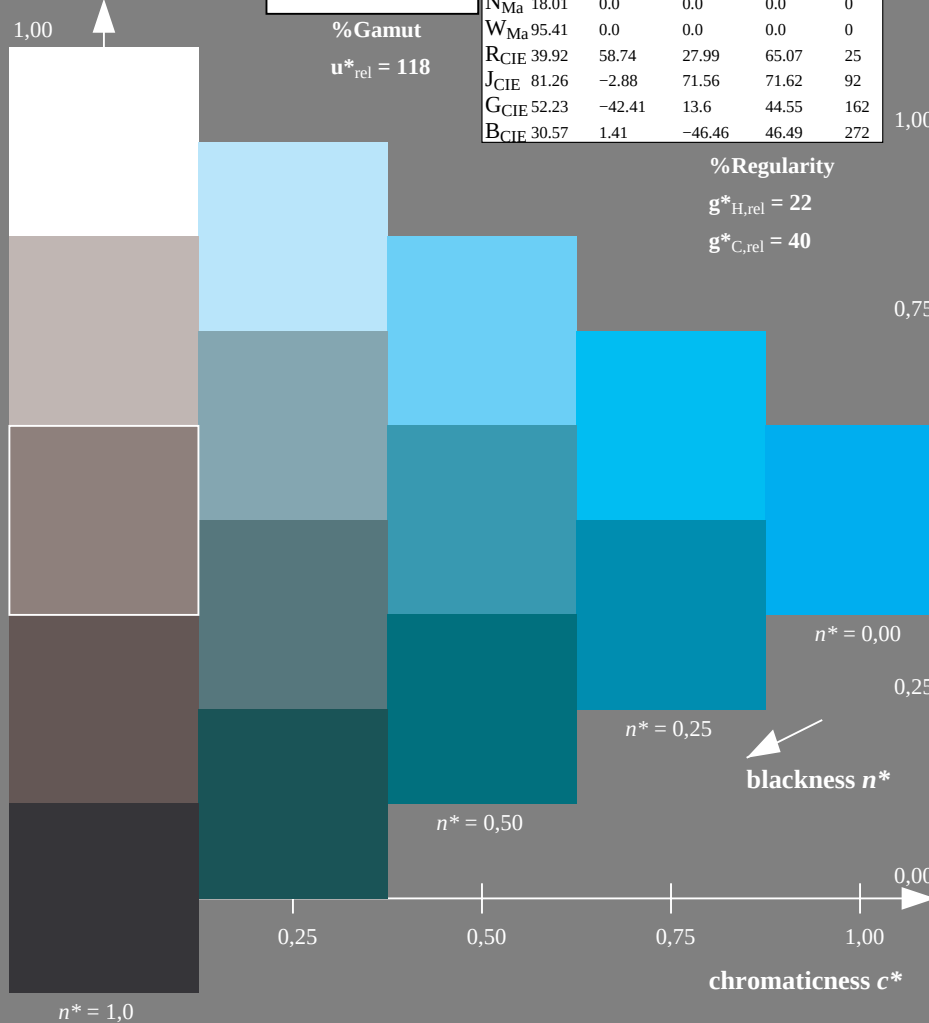
ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$



OE400-7, 5 step scales for constant CIE LAB hue 196/360 = 0.546 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

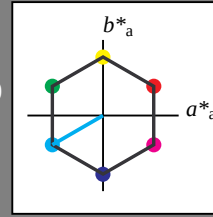
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

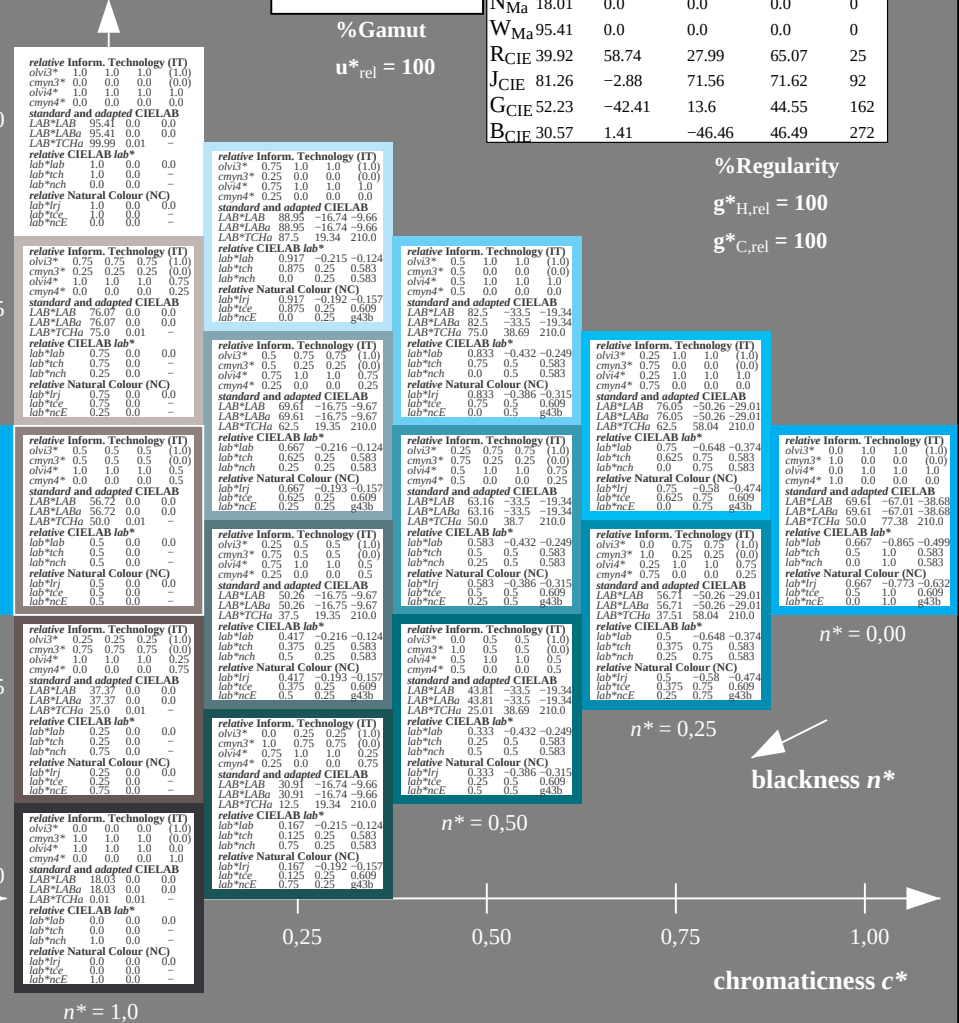
ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$



5 step scales for constant CIE LAB hue 210/360 = 0.583 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

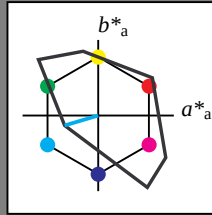
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

1,00

0,75

0,50

0,25

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TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

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Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

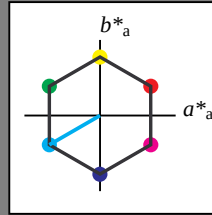
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

0,75

0,50

0,25

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SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

0,50

0,25

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OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

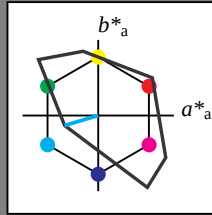
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

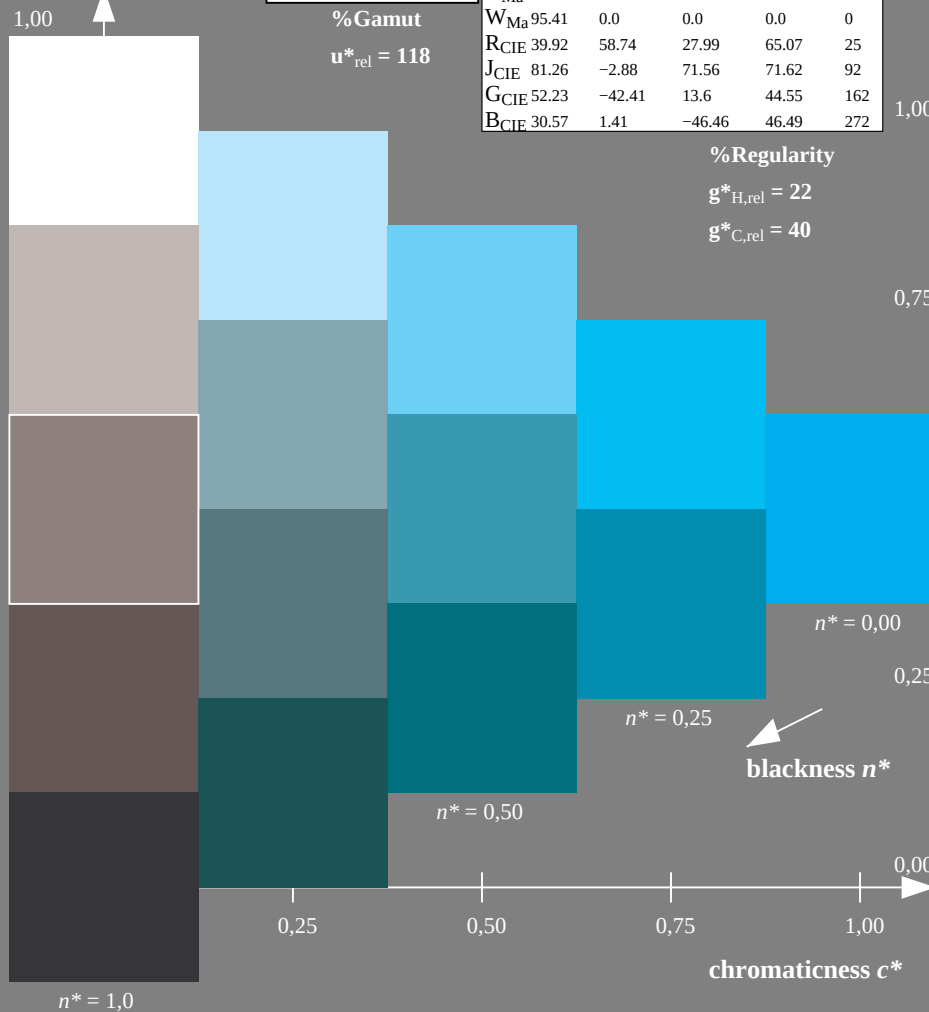


TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



OE400-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

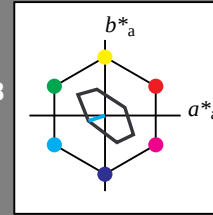
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness

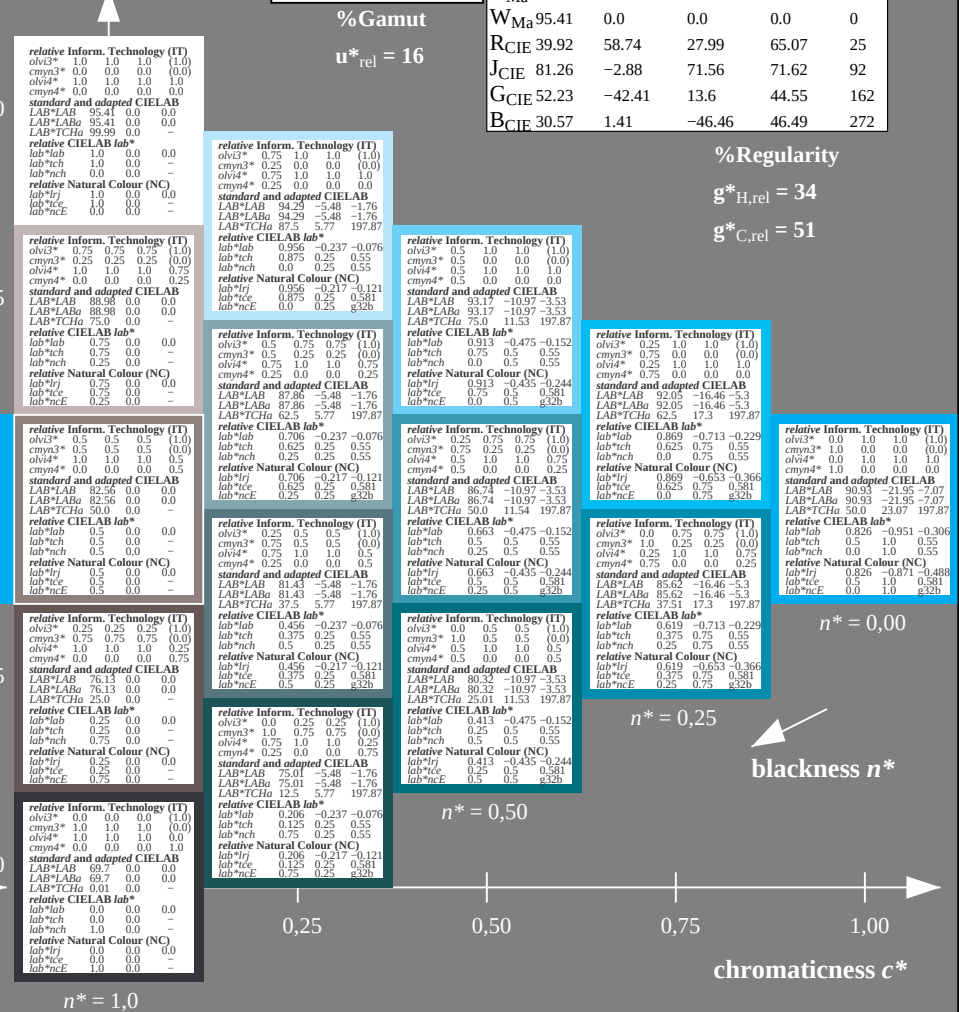


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

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^*

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blackness n^*

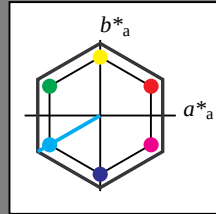
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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^*

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blackness n^*

blackness n^*

Output: Colorimetric Offset 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

olv*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

$n^* = 1,0$

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^*

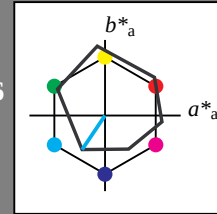
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

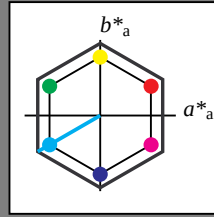
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

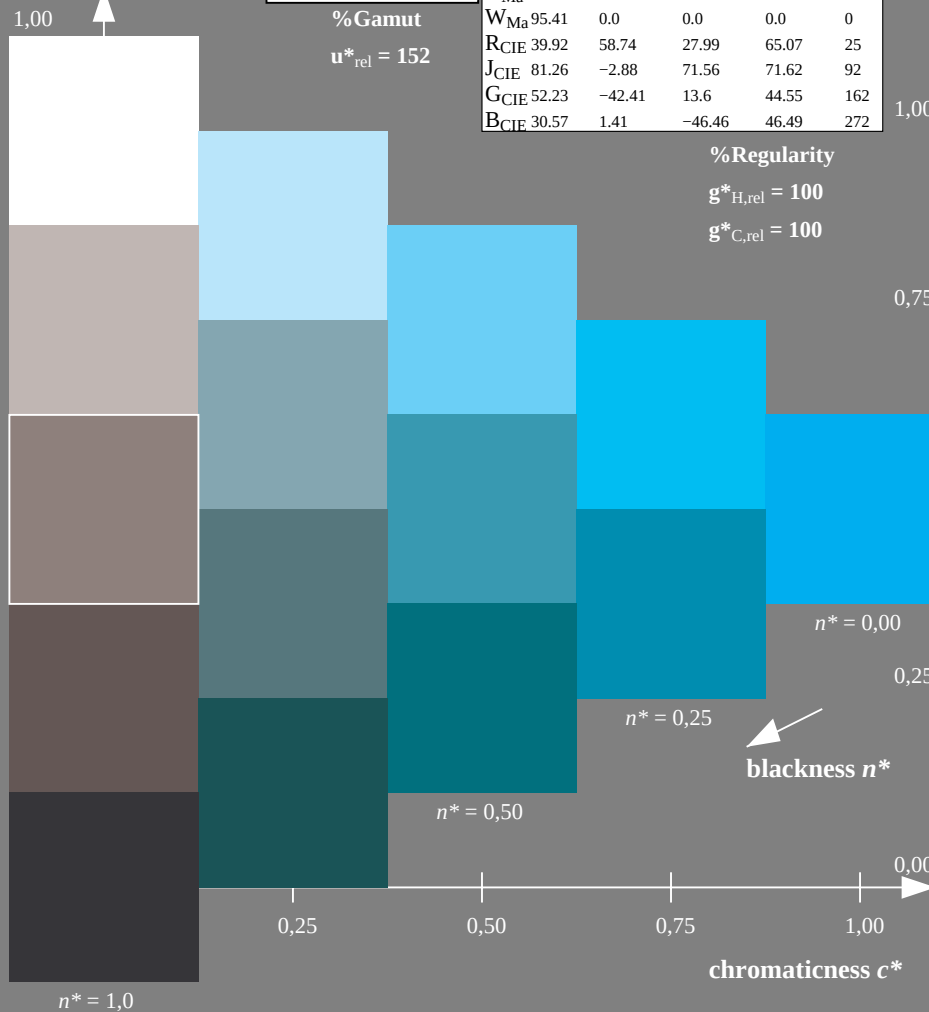
$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

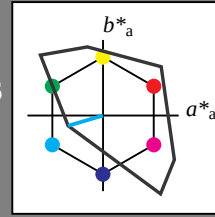
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

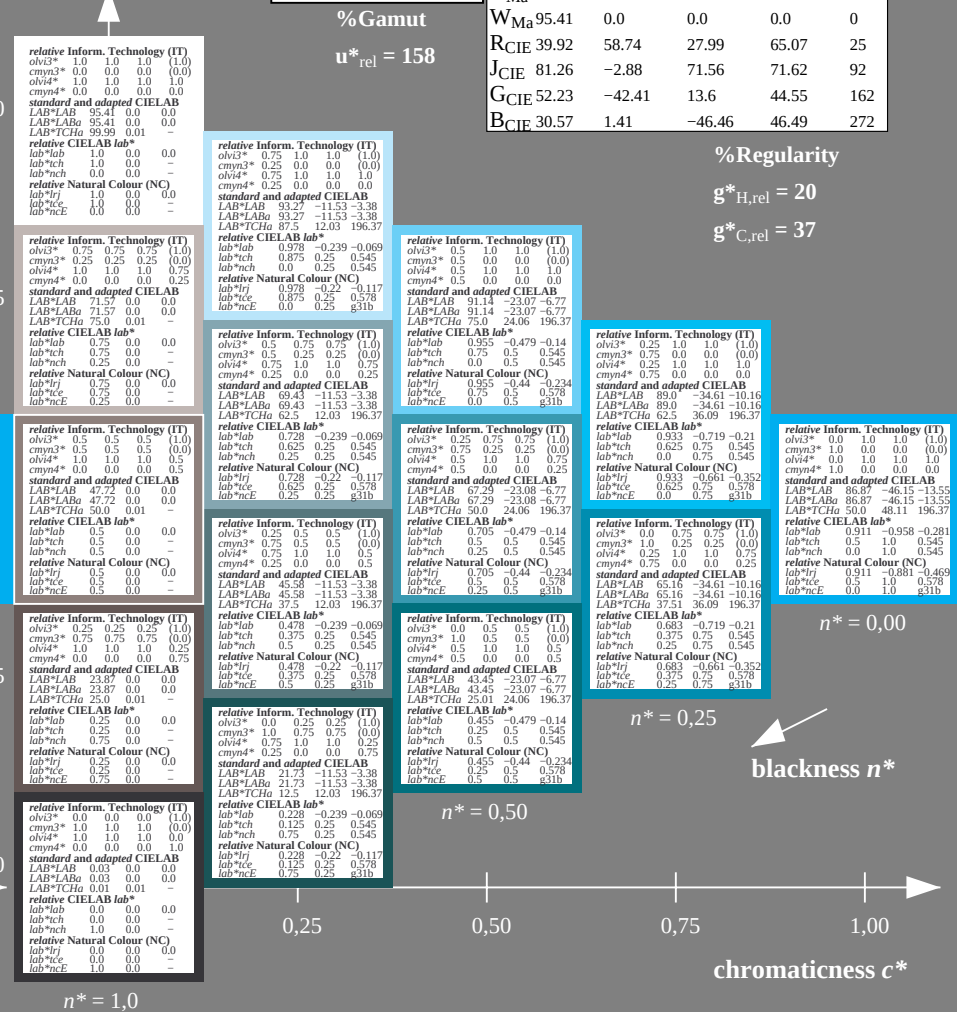
$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

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^*

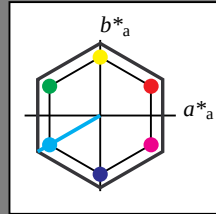
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

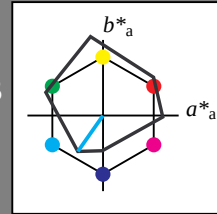
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 235/360 = 0.653 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

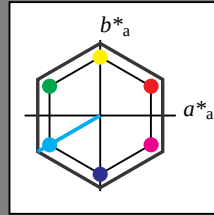
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIE LAB hue 210/360 = 0.583 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

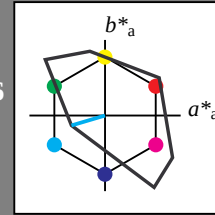
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 CIE LAB hue 196/360 = 0.546 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

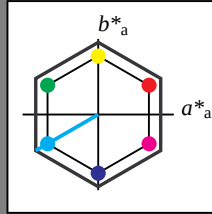
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

1,00

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 1,0$

$n^* = 0,75$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

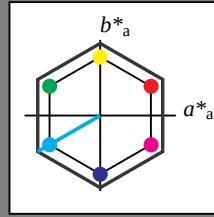
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

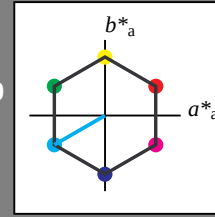
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 210/360 = 0.583 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

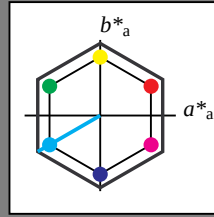
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

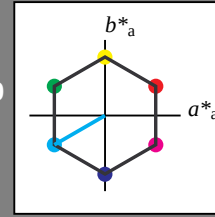
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 210/360 = 0.583 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

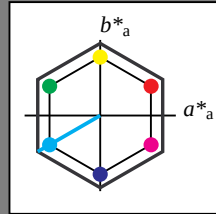
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

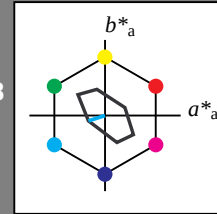
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

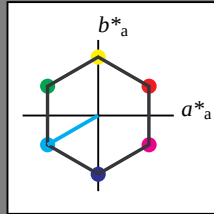
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

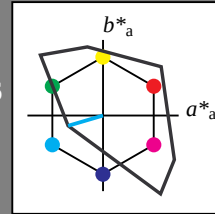
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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^*

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

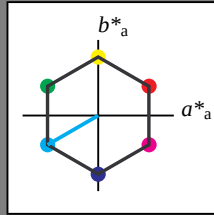
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

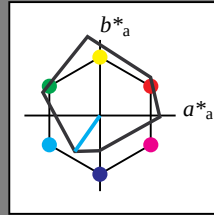
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 235/360 = 0.653 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

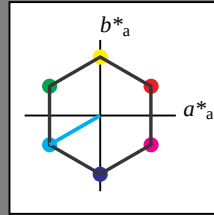
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIE LAB hue 210/360 = 0.583 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

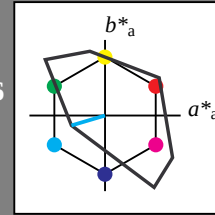
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIE LAB hue 196/360 = 0.546 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

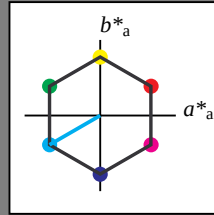
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

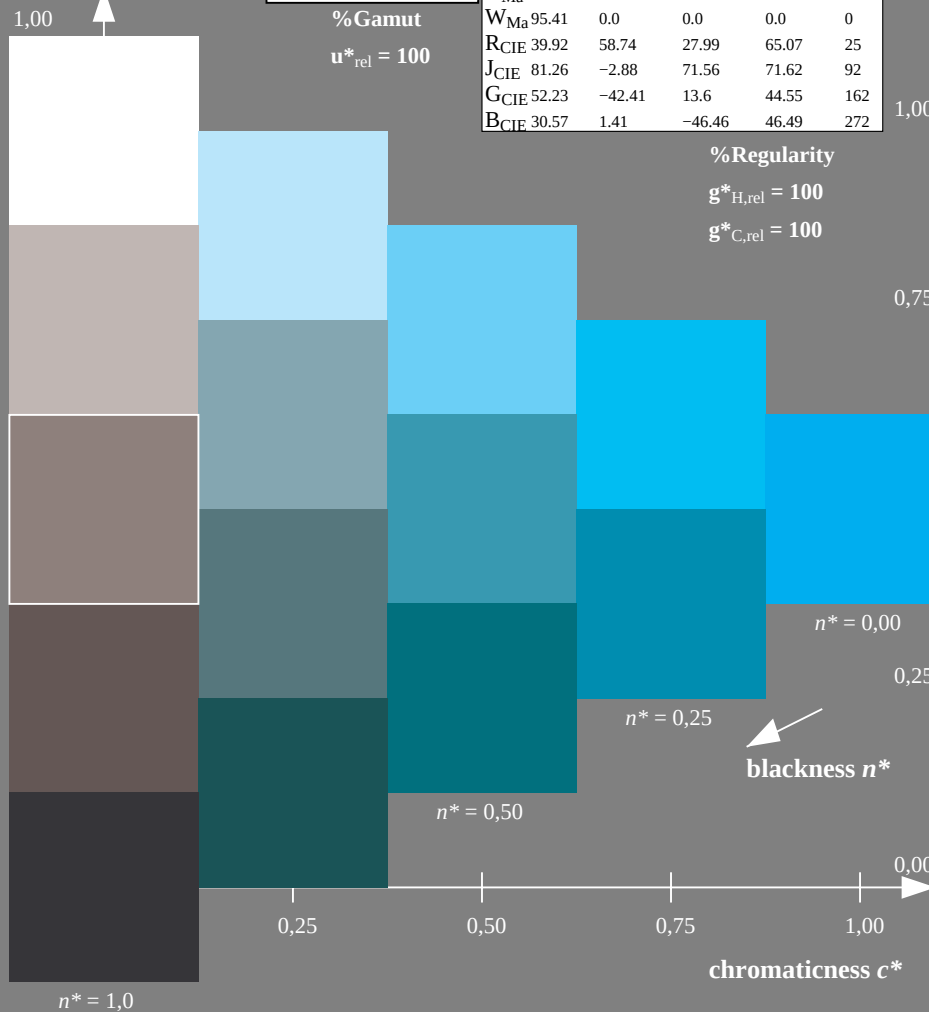
$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

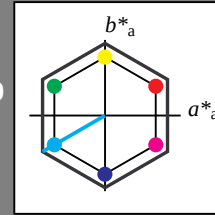
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

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*TCHa	99.99	0.02	-		
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	0.25	
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCHa	75.0	0.02	-		
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	1.0	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCHa	50.0	0.02	-		
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	1.0	
cmyn4*	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	0.0	0.0		
LAB*TCHa	25.0	0.02	-		
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	(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	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCHa	0.01	0.02	-		
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	-		

$n^* = 1,0$

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	87.45	-20.64	-11.91		
LAB*LABa	87.45	-20.64	-11.91		
LAB*TCHa	87.5	-23.84	210.0		
relative CIELAB lab*					
lab*lab	0.917	-0.215	-0.124		
lab*tch	0.875	0.25	0.583		
lab*nch	0.0	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.917	-0.157	-0.157		
lab*tce	0.875	0.25	0.609		
lab*nce	0.0	0.25	0.609		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	0.5	1.0	1.0	1.0	
cmyn4*	0.25	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	63.61	-20.65	-11.92		
LAB*LABa	63.61	-20.65	-11.92		
LAB*TCHa	62.5	-23.85	210.0		
relative CIELAB lab*					
lab*lab	0.667	-0.216	-0.124		
lab*tch	0.625	0.25	0.583		
lab*nch	0.25	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.667	-0.157	-0.157		
lab*tce	0.625	0.25	0.609		
lab*nce	0.25	0.25	0.609		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.75	0.5	0.5	(0.0)	
olvi4*	0.5	1.0	1.0	1.0	
cmyn4*	0.25	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	39.76	-20.65	-11.92		
LAB*LABa	39.76	-20.65	-11.92		
LAB*TCHa	37.5	-23.85	210.0		
relative CIELAB lab*					
lab*lab	0.417	-0.216	-0.124		
lab*tch	0.375	0.25	0.583		
lab*nch	0.5	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.417	-0.157	-0.157		
lab*tce	0.375	0.25	0.609		
lab*nce	0.5	0.25	0.609		

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	0.75	
standard and adapted CIELAB					
LAB*LAB	15.91	-20.64	-11.91		
LAB*LABa	15.91	-20.64	-11.91		
LAB*TCHa	12.5	-23.84	210.0		
relative CIELAB lab*					
lab*lab	0.167	-0.215	-0.124		
lab*tch	0.125	0.25	0.583		
lab*nch	0.75	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.167	-0.157	-0.157		
lab*tce	0.125	0.25	0.609		
lab*nce	0.75	0.25	0.609		

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	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCHa	0.01	0.02	-		
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	-		

$n^* = 1,0$

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	79.5	-41.29	-23.84		
LAB*LABa	79.5	-41.29	-23.84		
LAB*TCHa	75.0	-47.69	210.0		</

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

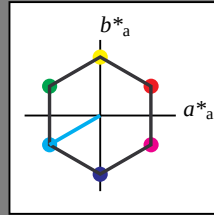
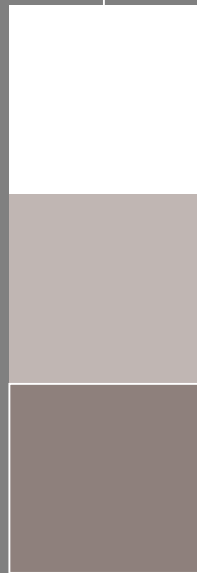
D65: hue C

LCH*Ma: 70 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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	0.0		
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*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	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*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	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*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	37.37	0.0	0.0		
LAB*LABa	37.37	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	-		
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	18.03	0.0	0.0		
LAB*LABa	18.03	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	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

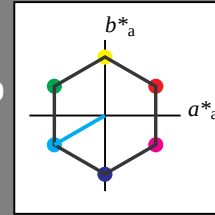
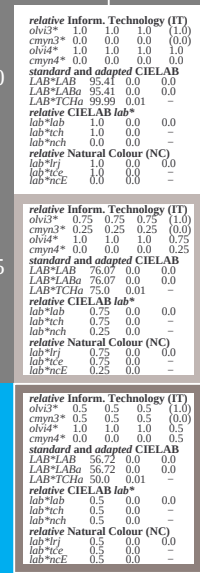
D65: hue C

LCH*Ma: 70 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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	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*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	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*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	37.37	0.0	0.0		
LAB*LABa	37.37	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	-		
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	18.03	0.0	0.0		
LAB*LABa	18.03	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	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

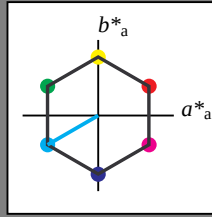
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

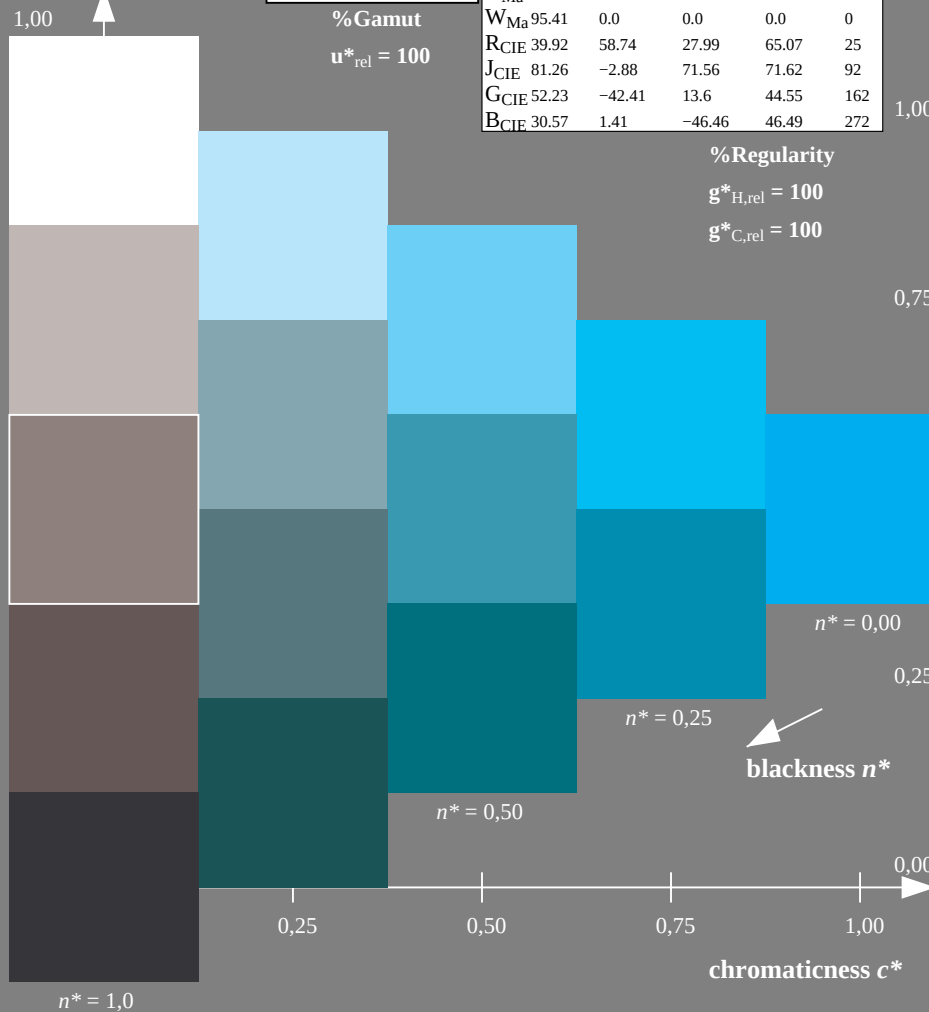


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

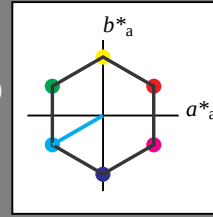
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

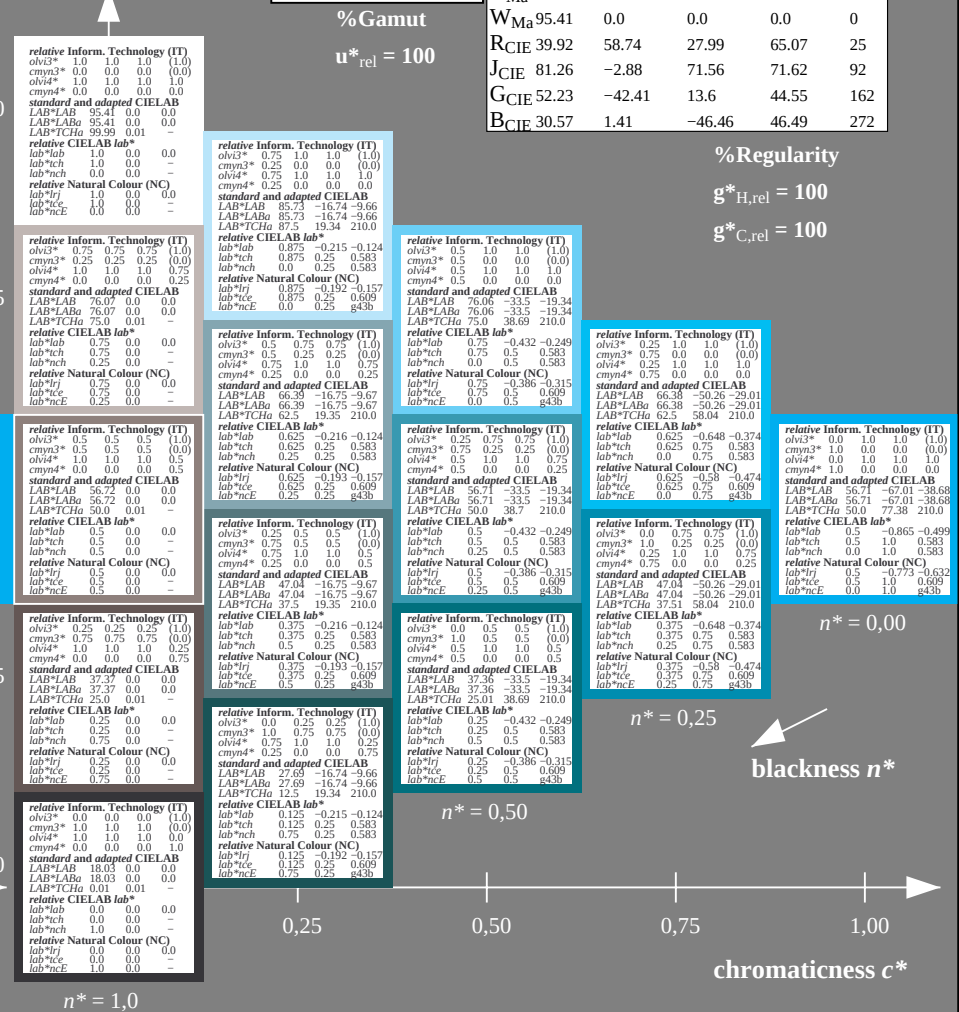


SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

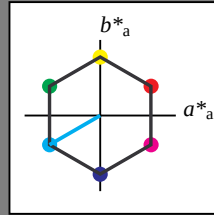
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*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

0,00

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NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

0,50

0,25

0,00

0,00

0,00

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Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

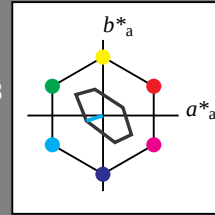
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

1,00

0,75

0,50

0,25

0,00

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%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

0,50

0,25

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TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

0,50

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OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

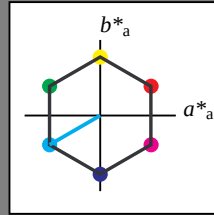
$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (left)



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

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 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 -0.61 3.44

LAB*LABa 76.06 0.0 0.0

LAB*TCRa 75.01 -1.58 -18.98

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*tr 0.5 0.0 0.0

lab*ice 0.5 0.0 0.0

lab*nice 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)

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 25.01 -1.58 -18.98

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*tr 0.25 0.0 0.0

lab*ice 0.25 0.0 0.0

lab*nice 0.25 0.0 0.0

Output: Colorimetric Offset 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

ol*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

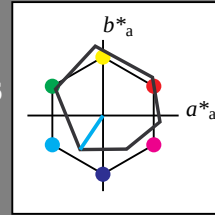
$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%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^*

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

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 (0.0)

standard and adapted CIELAB

LAB*LAB 77.01 -1.58 -18.98

LAB*LABa 77.01 -15.16 -22.5

LAB*TCRa 75.01 -1.58 -18.98

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*tr 0.5 0.0 0.0

lab*ice 0.5 0.0 0.0

lab*nice 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)

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 25.01 -1.58 -18.98

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*tr 0.25 0.0 0.0

lab*ice 0.25 0.0 0.0

lab*nice 0.25 0.0 0.0

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

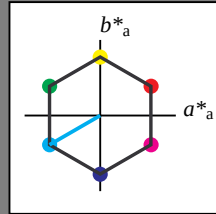
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

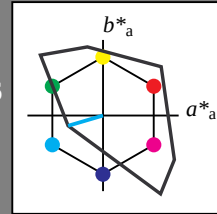
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

OE400-7, 5 step scales for constant CIELAB hue $210/360 = 0.583$ (left)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

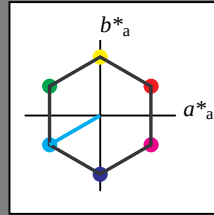
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

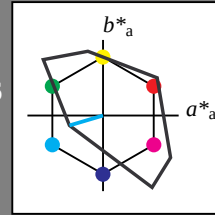
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 196/360 = 0.546 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

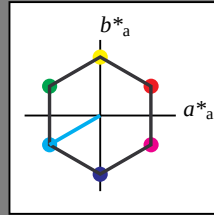
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

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SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

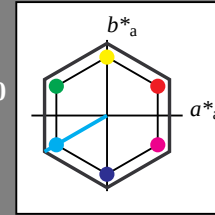
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

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NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

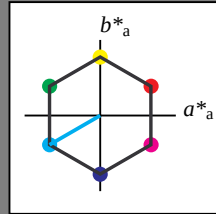
$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (left)



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

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*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

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 75.01 -

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

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 50.01 -

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

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*TCBa 25.01 -

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

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 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*TCBa 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 0.0

lab*nce 1.0 0.0 -

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

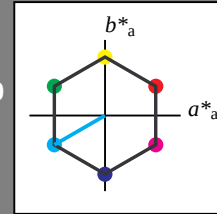
$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

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 88.95 -16.74 -9.66

LAB*LABa 88.95 -16.74 -9.66

LAB*TCBa 87.5 19.34 210.0

relative CIELAB lab*

lab*lab 0.917 -0.215 -0.124

lab*ch 0.875 0.25 0.583

lab*nch 0.0 0.25 0.583

relative Natural Colour (NC)

lab*trj 0.917 -0.192 -0.157

lab*nce 0.875 0.25 0.609

lab*nce 0.0 0.25 0.609

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 82.5 -33.5 -19.34

LAB*LABa 82.5 -33.5 -19.34

LAB*TCBa 75.0 38.69 210.0

relative CIELAB lab*

lab*lab 0.833 -0.432 -0.249

lab*ch 0.75 0.25 0.583

lab*nch 0.0 0.25 0.583

relative Natural Colour (NC)

lab*trj 0.833 -0.386 -0.315

lab*nce 0.75 0.25 0.609

lab*nce 0.0 0.25 0.609

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 76.05 -50.26 -29.01

LAB*LABa 76.05 -50.26 -29.01

LAB*TCBa 62.5 58.04 210.0

relative CIELAB lab*

lab*lab 0.75 -0.648 -0.374

lab*ch 0.625 0.75 0.583

lab*nch 0.0 0.75 0.583

relative Natural Colour (NC)

lab*trj 0.75 -0.58 -0.474

lab*nce 0.625 0.75 0.609

lab*nce 0.0 0.75 0.609

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

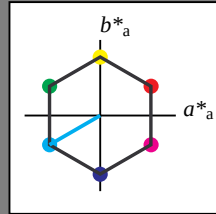
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

$u^*_{rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

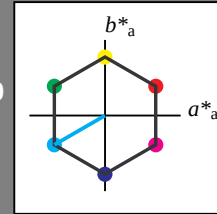
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

$u^*_{rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

%Regularity

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

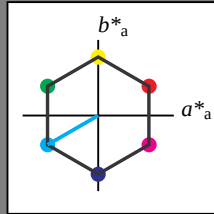
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

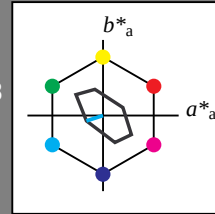
lab*tch

lab*nch

lab*trj

lab*tce

lab*nce



TLS70; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

OE400-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

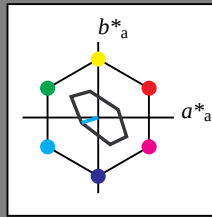
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

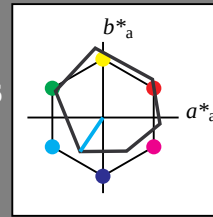
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

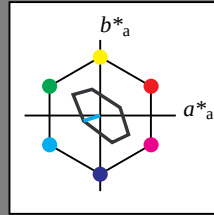
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

ol*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.00

chromaticness c^*

$n^* = 1.0$

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

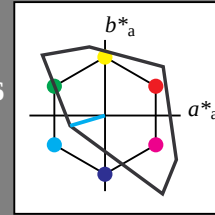
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

ol*Ma: 0.0 1.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.00

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

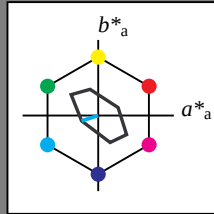
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

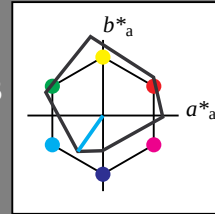
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

5 step scales for constant CIELAB hue 235/360 = 0.653 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

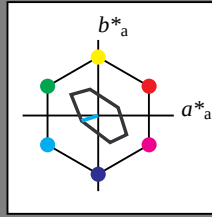
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

ol*Ma: 0.0 1.0 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

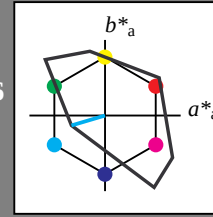
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

ol*Ma: 0.0 1.0 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 196/360 = 0.546 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

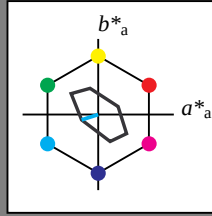
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

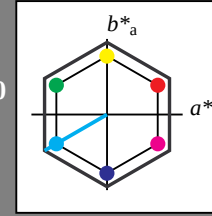
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 210/360 = 0.583 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

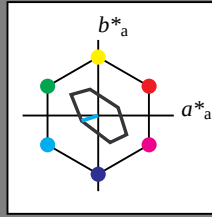
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

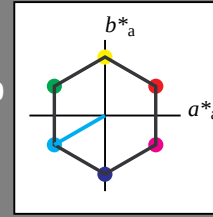
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

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	88.95	-16.74	-9.66		
LAB*LABa	88.95	-16.74	-9.66		
LAB*TCRa	87.5	19.34	210.0		
relative CIELAB lab*					
lab*lab	0.917	-0.215	-0.124		
lab*tch	0.875	0.25	0.583		
lab*nch	0.0	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.917	-0.157	-0.157		
lab*tce	0.875	0.25	0.609		
lab*nce	0.0	0.25	0.609		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.75	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	0.5	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.61	-16.75	-9.67		
LAB*LABa	69.61	-16.75	-9.67		
LAB*TCRa	62.5	19.35	210.0		
relative CIELAB lab*					
lab*lab	0.667	-0.216	-0.124		
lab*tch	0.625	0.25	0.583		
lab*nch	0.25	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.667	-0.157	-0.157		
lab*tce	0.625	0.25	0.609		
lab*nce	0.25	0.25	0.609		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	0.25	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	50.26	-16.75	-9.67		
LAB*LABa	50.26	-16.75	-9.67		
LAB*TCRa	37.5	19.35	210.0		
relative CIELAB lab*					
lab*lab	0.417	-0.216	-0.124		
lab*tch	0.375	0.25	0.583		
lab*nch	0.25	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.417	-0.157	-0.157		
lab*tce	0.375	0.25	0.609		
lab*nce	0.25	0.25	0.609		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.25	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	0.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	30.91	-16.74	-9.66		
LAB*LABa	30.91	-16.74	-9.66		
LAB*TCRa	12.5	19.34	210.0		
relative CIELAB lab*					
lab*lab	0.167	-0.215	-0.124		
lab*tch	0.125	0.25	0.583		
lab*nch	0.0	0.25	0.583		
relative Natural Colour (NC)					
lab*trj	0.167	-0.157	-0.157		
lab*tce	0.125	0.25	0.609		
lab*nce	0.0	0.25	0.609		

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	82.5	-33.5	-19.34		
LAB*LABa	82.5	-33.5	-19.34		
LAB*TCRa	75.0	38.69	210.0		
relative CIELAB lab*					
lab*lab	0.833	-0.432	-0.249		
lab*tch	0.75	0.5	0.583		
lab*nch	0.0	0.5	0.583		
relative Natural Colour (NC)					
lab*trj	0.833	-0.386	-0.315		
lab*tce	0.75	0.5	0.609		
lab*nce	0.0	0.5	0.609		

relative Inform. Technology (IT)					
olvi3*	0.25	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	0.25	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.16	-33.5	-19.34		
LAB*LABa	63.16	-33.5	-19.34		
LAB*TCRa	50.0	38.7	210.0		
relative CIELAB lab*					
lab*lab	0.583	-0.432	-0.249		
lab*tch	0.5	0.5	0.583		
lab*nch	0.25	0.5	0.583		
relative Natural Colour (NC)					
lab*trj	0.583	-0.386	-0.315		
lab*tce	0.5	0.5	0.609		
lab*nce	0.25	0.5	0.609		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.5	(1.0)	
cmyn3*	0.0	0.5	0.5	(0.0)	
olvi4*	0.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	43.81	-33.5	-19.34		
LAB*LABa	43.81	-33.5	-19.34		
LAB*TCRa	25.01	38.69	210.0		
relative CIELAB lab*					
lab*lab	0.333	-0.432	-0.249		
lab*tch	0.25	0.5	0.583		
lab*nch	0.0	0.5	0.583		
relative Natural Colour (NC)					
lab*trj	0.333	-0.386	-0.315		
lab*tce	0.25	0.5	0.609		
lab*nce	0.0	0.5	0.609		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.25	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	0.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*TCRa	0.01	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	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*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

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	76.05	-50.26	-29.01		
LAB*LABa	76.05	-50.26	-29.01		
LAB*TCRa	62.5	58.04	210.0		
relative CIELAB lab*					
lab*lab	0.75	-0.648	-0.374		
lab*tch	0.625	0.75	0.583		
lab*nch	0.0	0.75	0.583		
relative Natural Colour (NC)					
lab*trj	0.75	-0.58	-0.474		
lab*tce	0.625	0.75	0.609		
lab*nce	0.0	0.75	0.609		

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

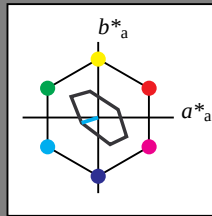
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	76.43	26.27	10.57	28.32	22
YMa	93.93	-10.76	34.63	36.27	107
LMa	89.32	-35.8	27.64	45.24	142
CMa	90.93	-21.95	-7.07	23.07	198
VMa	72.1	15.76	-35.63	38.97	294
MMa	78.5	37.52	-25.23	45.22	326
NMa	69.7	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

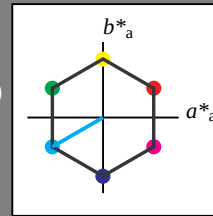
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

ol*Ma: 0.0 1.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

% Regularity

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

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

% Regularity

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

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

% Regularity

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

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

% Regularity

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

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

% Regularity

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

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

$n^* = 0,50$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,00$

0,25

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

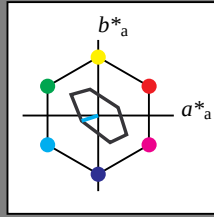
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

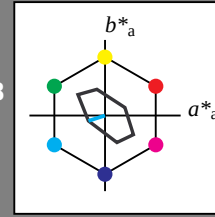
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

OE400-7, 5 step scales for constant CIELAB hue 198/360 = 0.55 (left)

5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

Input: Colorimetric Offset 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

olv*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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Input: Colorimetric Offset Reflective System ORS18

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

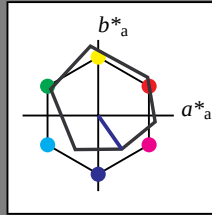
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

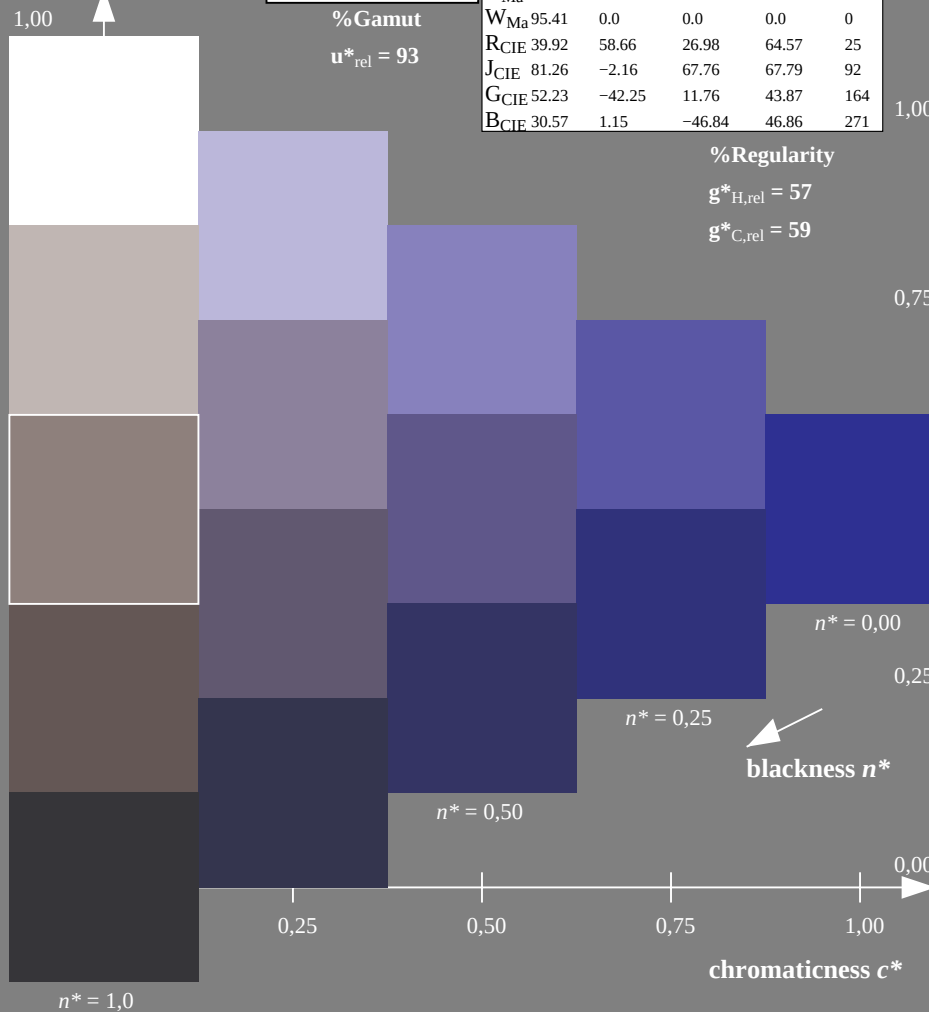
$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

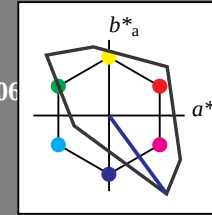
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

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	0.0	0.0	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	lab^*tch	lab^*nch		
standard and adapted CIELAB	1.0	0.0	0.0	0.0	0.0
LAB*LAB	71.57	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.25	0.25	0.25	0.25	(1.0)
LAB*LAB	71.57	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0
LAB*TCBa	75.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.5	0.5	0.5	0.5	(1.0)
LAB*LAB	55.31	19.01	-25.89	-	-
LAB*LABa	55.31	19.01	-25.89	-	-
LAB*TCBa	52.5	32.13	306.29	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	47.72	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	1.0	1.0	1.0	1.0	(1.0)
LAB*LAB	47.72	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.25	0.25	0.25	0.25	(1.0)
LAB*LAB	47.72	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.5	0.5	0.5	0.5	(1.0)
LAB*LAB	47.72	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	47.72	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	1.0	1.0	1.0	1.0	(1.0)
LAB*LAB	47.72	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.0	0.0	0.0	0.0	(1.0)
LAB*LAB	0.03	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.0	0.0	0.0	0.0	(1.0)
LAB*LAB	0.03	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.0	0.0	0.0	0.0	(1.0)
LAB*LAB	0.03	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.0	0.0	0.0	0.0	(1.0)
LAB*LAB	0.03	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-

5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	79.15	19.01	-25.88	-	-
LAB*LABa	79.15	19.01	-25.88	-	-
LAB*TCBa	87.5	32.12	306.29	-	-

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch		
standard and adapted CIELAB	0.83	0.148	-0.2	0.851	0.851
LAB*LAB	62.9	38.02	-51.78	-	-
LAB*LABa	62.9	38.02	-51.78	-	-
LAB*TCBa	75.0	64.25	306.29	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.5	0.5	0.5	0.5	(1.0)
LAB*LAB	55.31	19.01	-25.89	-	-
LAB*LABa	55.31	19.01	-25.89	-	-
LAB*TCBa	52.5	32.13	306.29	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.25	0.25	0.25	0.25	(1.0)
LAB*LAB	46.64	57.04	-77.68	-	-
LAB*LABa	46.64	57.04	-77.68	-	-
LAB*TCBa	50.0	64.25	306.29	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	46.64	57.04	-77.68	-	-
LAB*LABa	46.64	57.04	-77.68	-	-
LAB*TCBa	50.0	64.25	306.29	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.25	0.25	0.25	0.25	(1.0)
LAB*LAB	46.64	57.04	-77.68	-	-
LAB*LABa	46.64	57.04	-77.68	-	-
LAB*TCBa	50.0	64.25	306.29	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.5	0.5	0.5	0.5	(1.0)
LAB*LAB	46.64	57.04	-77.68	-	-
LAB*LABa	46.64	57.04	-77.68	-	-
LAB*TCBa	50.0	64.25	306.29	-	-

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	46.64	57.04	-77.68	-	-
LAB*LABa	46.64	57.04	-77.68	-	-
LAB*TCBa	50.0	64.25	306.29	-	-

lab*tce	0.125	0.25	0.326
lab*ncE	0.75	0.25	b30r

0,25

Input: Colorimetric Offset Reflective System ORS18

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

lab^*tch and lab^*nch

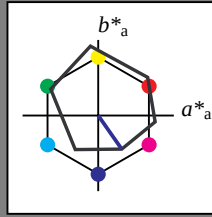
D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

1,00

triangle lightness

% Gamut

$u^*_{rel} = 101$

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*

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*

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*

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*

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*

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*

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*

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*

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*

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

Input: Colorimetric Offset 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

olv*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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Input: Colorimetric Offset Reflective System ORS18

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

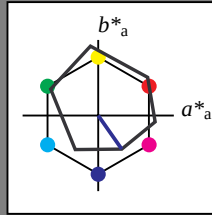
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

1,00

0,75

0,25

0,00

blackness n^*

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

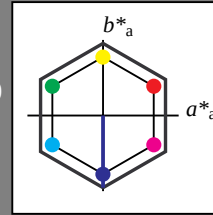
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

ol*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

0,25

0,00

blackness n^*

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

5 step scales for constant CIELAB hue $270/360 = 0.75$ (right)

Input: Colorimetric Offset Reflective System ORS18

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

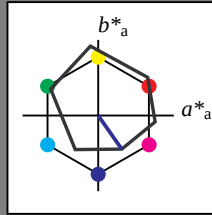
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

1,00

0,75

0,25

0,00

chromaticness c^*

$n^* = 1,0$

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

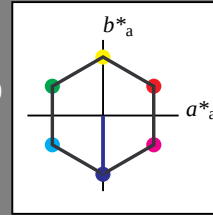
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

ol*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

0,25

0,00

chromaticness c^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Offset 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

olv*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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

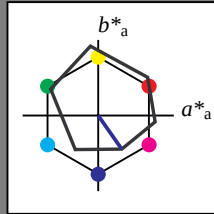
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

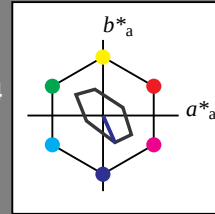
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

OE400-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 294/360 = 0.816 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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$n^* = 1,0$

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^*

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chromaticness c^*

blackness n^*

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Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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$n^* = 0,00$

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chromaticness c^*

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Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

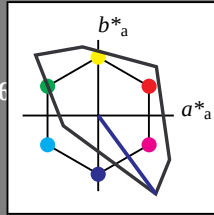
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative 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)

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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)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 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*

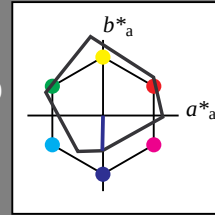
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 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)

OE400-7, 5 step scales for constant CIELAB hue 306/360 = 0.851 (left)

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

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$n^* = 0,00$

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chromaticness c^*

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Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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$n^* = 0,00$

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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 Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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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^*

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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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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^*

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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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0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

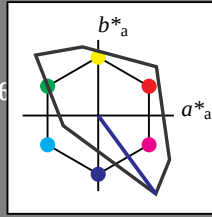
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness

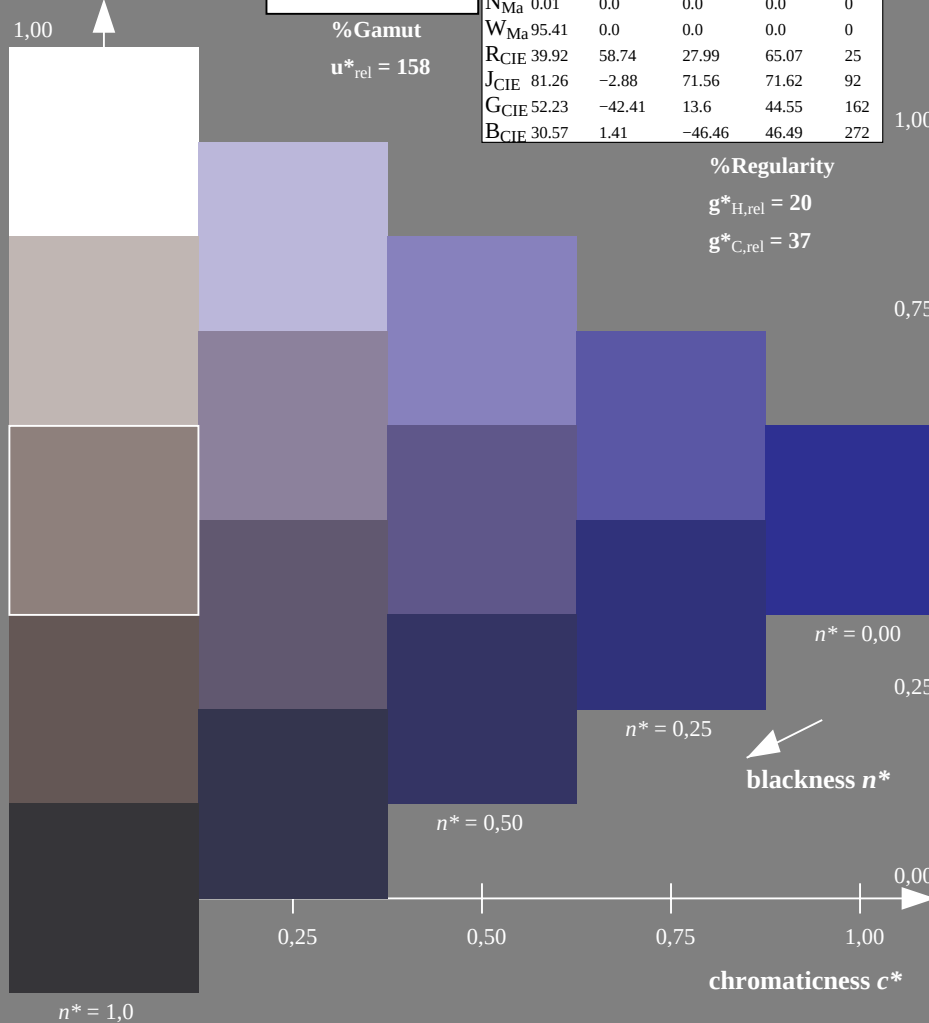


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



OE400-7, 5 step scales for constant CIELAB hue 306/360 = 0.851 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

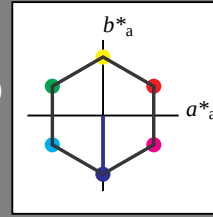
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

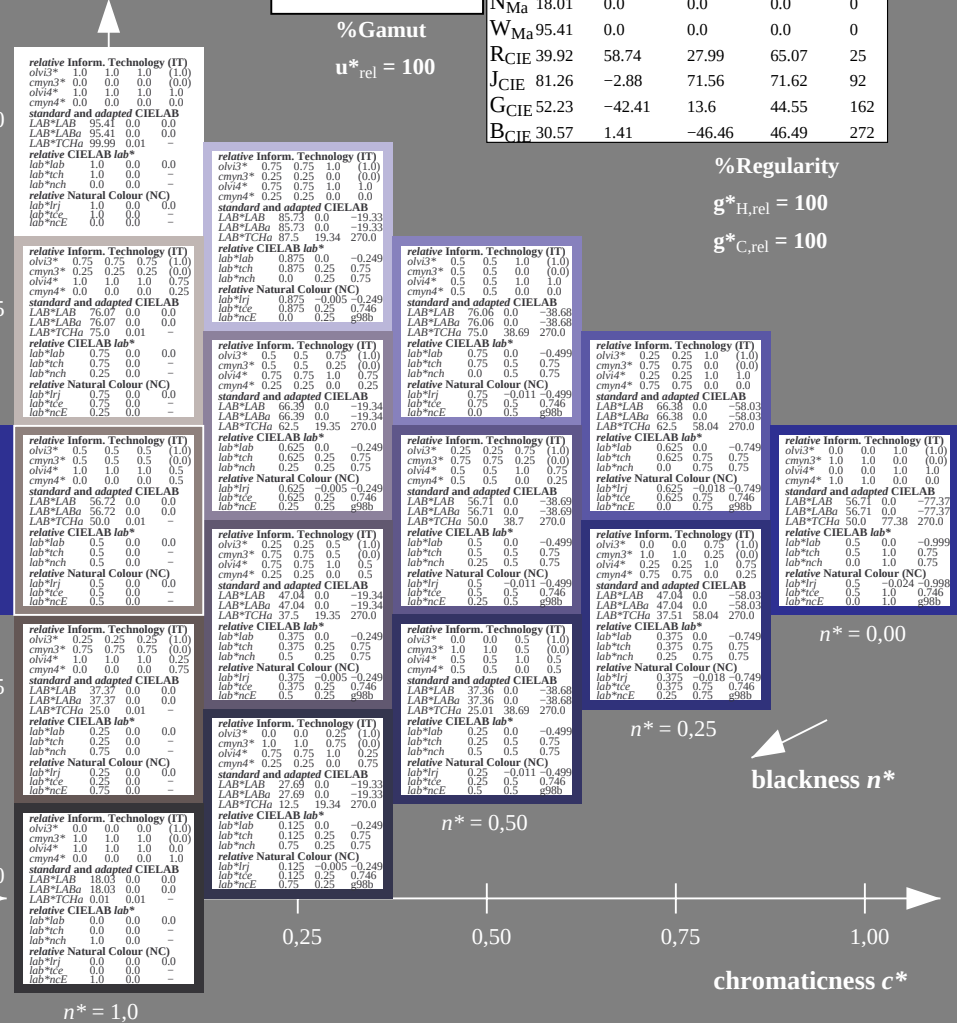


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

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0,50

0,75

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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0,75

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

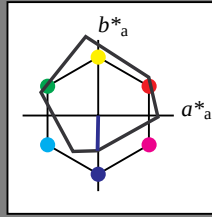
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

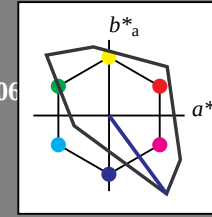
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,50$

0,25

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

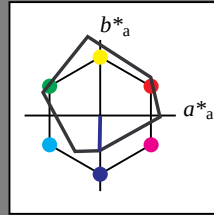
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

1,00

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

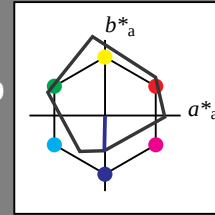
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

1,00

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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

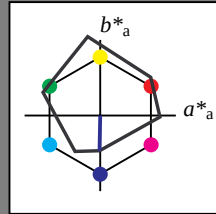
0,50

0,75

1,00

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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

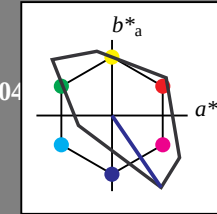
0,50

0,75

1,00

chromaticness c^*

blackness n^*



TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

OE400-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

5 step scales for constant CIELAB hue 304/360 = 0.845 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

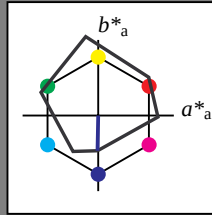
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

ol*Ma: 0.0 0.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

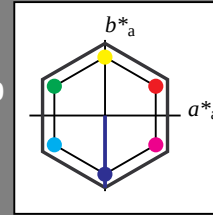
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

ol*Ma: 0.0 0.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 270/360 = 0.75 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

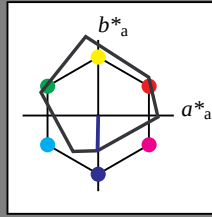
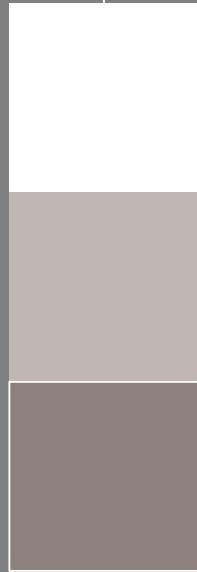
D65: hue V

LCH*Ma: 34 47 269

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

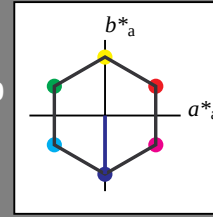
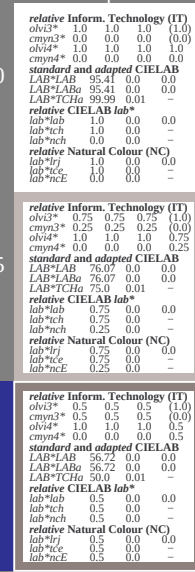
D65: hue V

LCH*Ma: 44 77 270

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

0,75

0,25

0,00

% Regularity

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

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

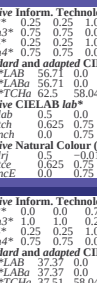
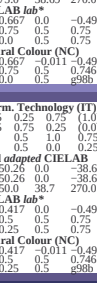
NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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



0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

chromaticness c^*

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

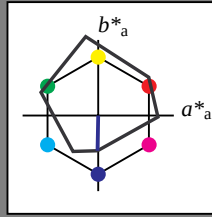
LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

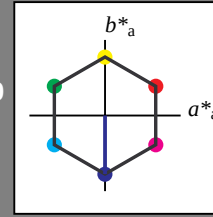
LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 270/360 = 0.75 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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^*

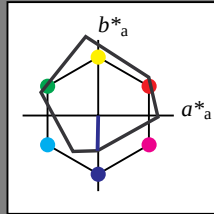
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

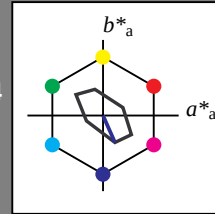
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS70; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

5 step scales for constant CIELAB hue 294/360 = 0.816 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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$n^* = 0,00$

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$n^* = 0,50$

$n^* = 1,0$

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^*

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chromaticness c^*

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chromaticness c^*

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Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

↑

0,75

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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^*

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

$n^* = 0,00$

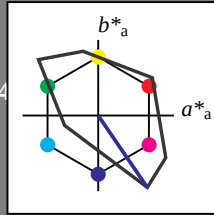
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

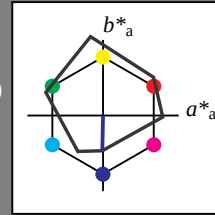
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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$n^* = 0,00$

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$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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$n^* = 0,00$

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$n^* = 1,0$

chromaticness c^*

blackness n^*

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$n^* = 0,00$

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$n^* = 1,0$

chromaticness c^*

blackness n^*

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$n^* = 0,00$

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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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$n^* = 0,00$

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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

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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^*

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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^*

0,25

0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

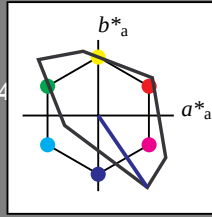
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

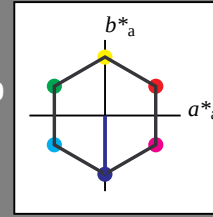
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

$n^* = 0,00$

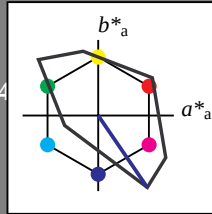
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

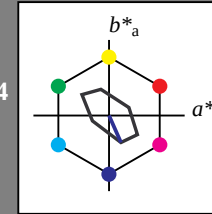
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

OE400-7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

5 step scales for constant CIELAB hue 294/360 = 0.816 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

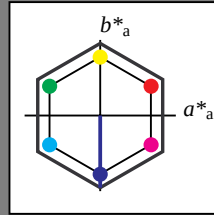
LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

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

lab^*tch and lab^*nch

D65: hue V

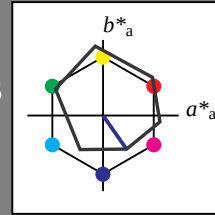
LCH*Ma: 26 54 305

olv*Ma: 0.0 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	-0.38	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	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	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	-0.61	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	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	0.75	0.75	0.75	(1.0)	
cmyn4*	0.25	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	77.99	7.77	-11.09		
LAB*LABa	77.99	7.77	-11.09		
LAB*TCBa	87.5	13.55	305.0		
relative CIELAB lab*					
lab*lab	0.775	0.143	-0.204		
lab*tch	0.875	0.25	0.847		
lab*nch	0.0	0.25	0.847		
relative Natural Colour (NC)					
lab*trj	0.775	0.112	-0.222		
lab*tce	0.0	0.25	0.824		

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	58.64	7.49	-8.82		
LAB*LABa	58.64	7.77	-11.09		
LAB*TCBa	62.5	13.55	305.0		
relative CIELAB lab*					
lab*lab	0.525	0.143	-0.204		
lab*tch	0.625	0.25	0.847		
lab*nch	0.25	0.25	0.847		
relative Natural Colour (NC)					
lab*trj	0.525	0.112	-0.222		
lab*tce	0.25	0.25	0.824		

$n^* = 0,50$

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	60.56	15.55	-22.19		
LAB*LABa	60.56	15.55	-22.19		
LAB*TCBa	50.0	27.1	305.0		
relative CIELAB lab*					
lab*lab	0.55	0.287	-0.408		
lab*tch	0.75	0.5	0.847		
lab*nch	0.0	0.5	0.847		
relative Natural Colour (NC)					
lab*trj	0.55	0.225	-0.446		
lab*tce	0.25	0.5	0.824		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	0.25	0.25	0.25	(1.0)	
cmyn4*	0.5	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	41.22	15.6	-21.1		
LAB*LABa	41.22	15.55	-22.2		
LAB*TCBa	50.0	27.1	305.0		
relative CIELAB lab*					
lab*lab	0.3	0.287	-0.409		
lab*tch	0.5	0.5	0.847		
lab*nch	0.25	0.5	0.847		
relative Natural Colour (NC)					
lab*trj	0.3	0.225	-0.446		
lab*tce	0.25	0.5	0.824		

$n^* = 0,25$

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	0.25	0.25	0.25	(1.0)	
cmyn4*	0.75	0.75	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	43.14	23.32	-32.07		
LAB*LABa	43.14	23.32	-32.07		
LAB*TCBa	62.5	40.66	305.0		
relative CIELAB lab*					
lab*lab	0.325	0.43	-0.613		
lab*tch	0.625	0.75	0.847		
lab*nch	0.0	0.75	0.847		
relative Natural Colour (NC)					
lab*trj	0.325	0.337	-0.669		
lab*tce	0.625	0.75	0.824		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.75	(1.0)	
cmyn3*	1.0	1.0	0.25	(0.0)	
olvi4*	0.25	0.25	1.0	(1.0)	
cmyn4*	0.75	0.75	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	23.8	23.71	-33.37		
LAB*LABa	23.8	23.32	-33.37		
LAB*TCBa	50.0	27.1	305.0		
relative CIELAB lab*					
lab*lab	0.075	0.43	-0.613		
lab*tch	0.375	0.75	0.847		
lab*nch	0.25	0.75	0.847		
relative Natural Colour (NC)					
lab*trj	0.075	0.337	-0.669		
lab*tce	0.375	0.75	0.824		

$n^* = 0,00$

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	1.0	(1.0)	
cmyn3*	1.0	1.0	0.0	(0.0)	
olvi4*	0.0	0.0	1.0	(1.0)	
cmyn4*	1.0	1.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	25.73	31.44	-44.34		
LAB*LABa	25.73	31.09	-44.39		
LAB*TCBa	50.0	54.21	305.0		
relative CIELAB lab*					
lab*lab	0.1	0.573	-0.818		
lab*tch	0.5	1.0	0.847		
lab*nch	0.0	1.0	0.847		
relative Natural Colour (NC)					
lab*trj	0.1	0.449	-0.892		
lab*tce	0.5	1.0	0.824		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.5	(1.0)	
cmyn3*	1.0	1.0	0.5	(0.0)	
olvi4*	0.0	0.0	0.5	(1.0)	
cmyn4*	1.0	1.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	21.87	15.97	-22.4		
LAB*LABa	21.87	15.55	-22.19		
LAB*TCBa	50.0	27.1	305.0		
relative CIELAB lab*					
lab*lab	0.05	0.287	-0.408		
lab*tch	0.25	0.5	0.847		
lab*nch	0.0	0.5	0.847		
relative Natural Colour (NC)					
lab*trj	0.05	0.225	-0.446		
lab*tce	0.25	0.5	0.824		

$n^* = 0,00$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

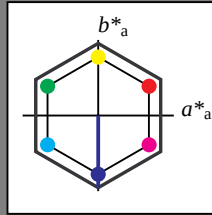
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

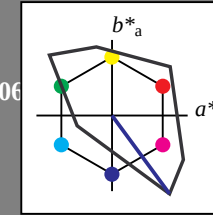
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 306/360 = 0.851 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

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^*

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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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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

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blackness n^*

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chromaticness c^*

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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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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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

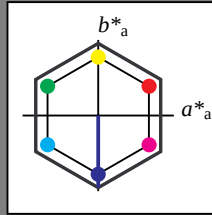
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
MMa	63.61	82.62	-47.69	95.4	330
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

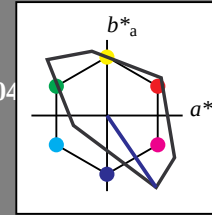
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 304/360 = 0.845 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

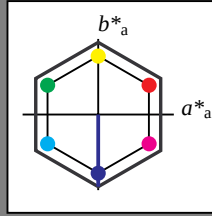
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

ol*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

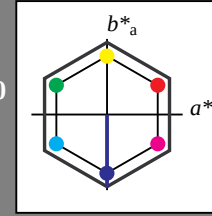
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

ol*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 270/360 = 0.75 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

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

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

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^*

$n^* = 1,0$

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^*

$n^* = 1,0$

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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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$n^* = 1,0$

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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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0,50

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

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

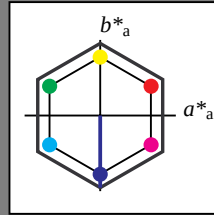
LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

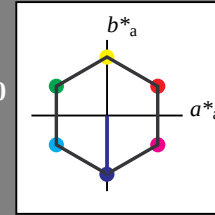
LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

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	0.0		
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	76.07	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*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*	0.25	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	66.39	0.0	0.0		
LAB*LABa	66.39	0.0	0.0		
LAB*TCRa	62.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.125	0.125	0.125	(0.0)	
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	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.125	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.125	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.125	0.125	0.125	(1.0)	
cmyn3*	0.0625	0.0625	0.0625	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.04	0.0	0.0		
LAB*LABa	47.04	0.0	0.0		
LAB*TCRa	37.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.125	0.0	0.0		
lab*ch	0.125	0.0	-		
lab*nch	0.0625	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.125	0.0	0.0		
lab*nce	0.0625	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0625	0.0625	0.0625	(1.0)	
cmyn3*	0.03125	0.03125	0.03125	(0.0)	
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*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.0625	0.0	0.0		
lab*ch	0.0625	0.0	-		
lab*nch	0.03125	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0625	0.0	0.0		
lab*nce	0.03125	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.03125	0.03125	0.03125	(1.0)	
cmyn3*	0.015625	0.015625	0.015625	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*TCRa	12.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.03125	0.0	0.0		
lab*ch	0.03125	0.0	-		
lab*nch	0.015625	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.03125	0.0	0.0		
lab*nce	0.015625	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.015625	0.015625	0.015625	(1.0)	
cmyn3*	0.0078125	0.0078125	0.0078125	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	9.01	0.0	0.0		
LAB*LABa	9.01	0.0	0.0		
LAB*TCRa	6.25	0.01	-		
relative CIELAB lab*					
lab*lab	0.015625	0.0	0.0		
lab*ch	0.015625	0.0	-		
lab*nch	0.0078125	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.015625	0.0	0.0		
lab*nce	0.0078125	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0078125	0.0078125	0.0078125	(1.0)	
cmyn3*	0.00390625	0.00390625	0.00390625	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	4.50	0.0	0.0		
LAB*LABa	4.50	0.0	0.0		
LAB*TCRa	3.125	0.01	-		
relative CIELAB lab*					
lab*lab	0.0078125	0.0	0.0		
lab*ch	0.0078125	0.0	-		
lab*nch	0.00390625	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0078125	0.0	0.0		
lab*nce	0.00390625	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

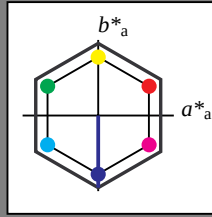
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma} 31.81	82.62	47.7	95.4	30	
Y _{Ma} 63.61	0.0	95.4	95.4	90	
L _{Ma} 31.81	-82.61	47.7	95.4	150	
C _{Ma} 63.61	-82.61	-47.69	95.4	210	
V _{Ma} 31.81	0.0	-95.39	95.4	270	
M _{Ma} 63.61	82.62	-47.69	95.4	330	
N _{Ma} 0.01	0.0	0.0	0.0	0	
W _{Ma} 95.41	0.0	0.0	0.0	0	
R _{CIE} 39.92	58.74	27.99	65.07	25	
J _{CIE} 81.26	-2.88	71.56	71.62	92	
G _{CIE} 52.23	-42.41	13.6	44.55	162	
B _{CIE} 30.57	1.41	-46.46	46.49	272	

%Regularity

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

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

$n^* = 0.00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

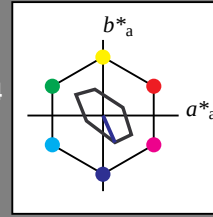
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

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	0.0	
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*TCBa	99.99	0.0	-		
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	1.0	(1.0)	
cmyn3*	0.25	0.25	0.0	(0.0)	
olvi4*	0.75	0.75	1.0	0.0	
cmyn4*	0.25	0.25	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	89.58	3.94	-8.9		
LAB*LABa	89.58	3.94	-8.9		
LAB*TCBa	87.5	9.74	293.86		
relative CIELAB lab*					
lab*lab	0.773	0.101	-0.228		
lab*ch	0.875	0.25	0.816		
lab*nch	0.0	0.25	0.816		
relative Natural Colour (NC)					
lab*trj	0.773	0.075	-0.237		
lab*nce	0.625	0.25	0.799		
lab*nce	0.0	0.25	0.199		

$n^* = 1,0$

5 step scales for constant CIELAB hue 294/360 = 0.816 (right)

TLS70; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma} 76.43	26.27	10.57	28.32	22	
Y _{Ma} 93.93	-10.76	34.63	36.27	107	
L _{Ma} 89.32	-35.8	27.64	45.24	142	
C _{Ma} 90.93	-21.95	-7.07	23.07	198	
V _{Ma} 72.1	15.76	-35.63	38.97	294	
M _{Ma} 78.5	37.52	-25.23	45.22	326	
N _{Ma} 69.7	0.0	0.0	0.0	0	
W _{Ma} 95.41	0.0	0.0	0.0	0	
R _{CIE} 39.92	58.74	27.99	65.07	25	
J _{CIE} 81.26	-2.88	71.56	71.62	92	
G _{CIE} 52.23	-42.41	13.6	44.55	162	
B _{CIE} 30.57	1.41	-46.46	46.49	272	

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0.00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

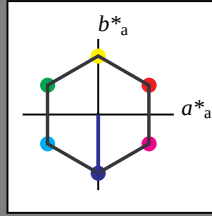
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Offset Reflective System ORS18

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

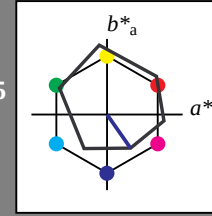
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

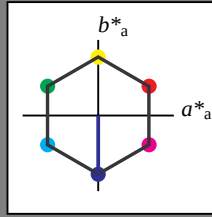
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

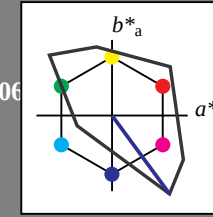
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 306/360 = 0.851 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

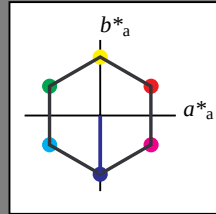
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

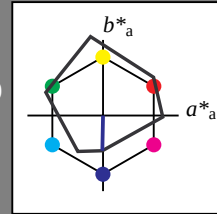
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

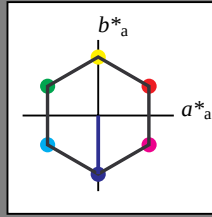
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

ol*Ma: 0.0 0.0 1.0

triangle lightness

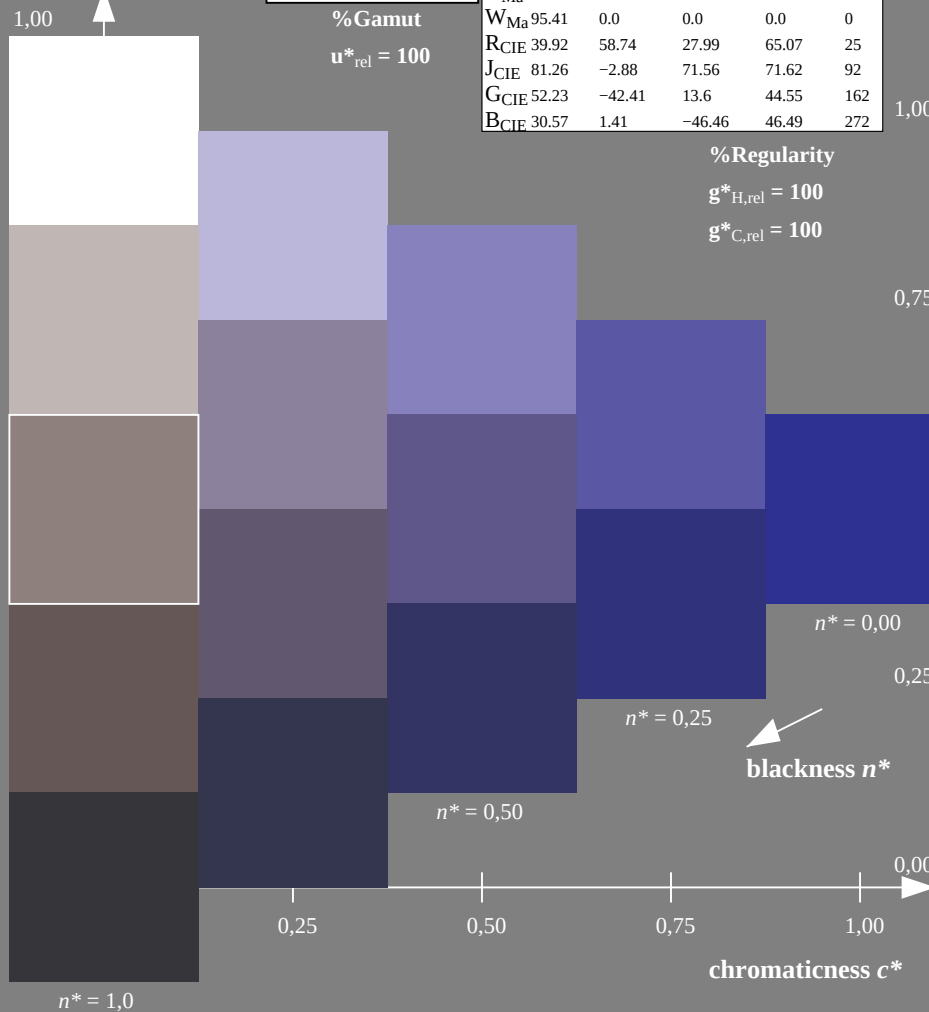


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

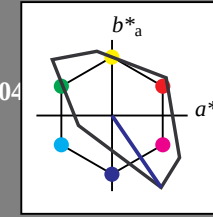
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

ol*Ma: 0.0 0.0 1.0

triangle lightness

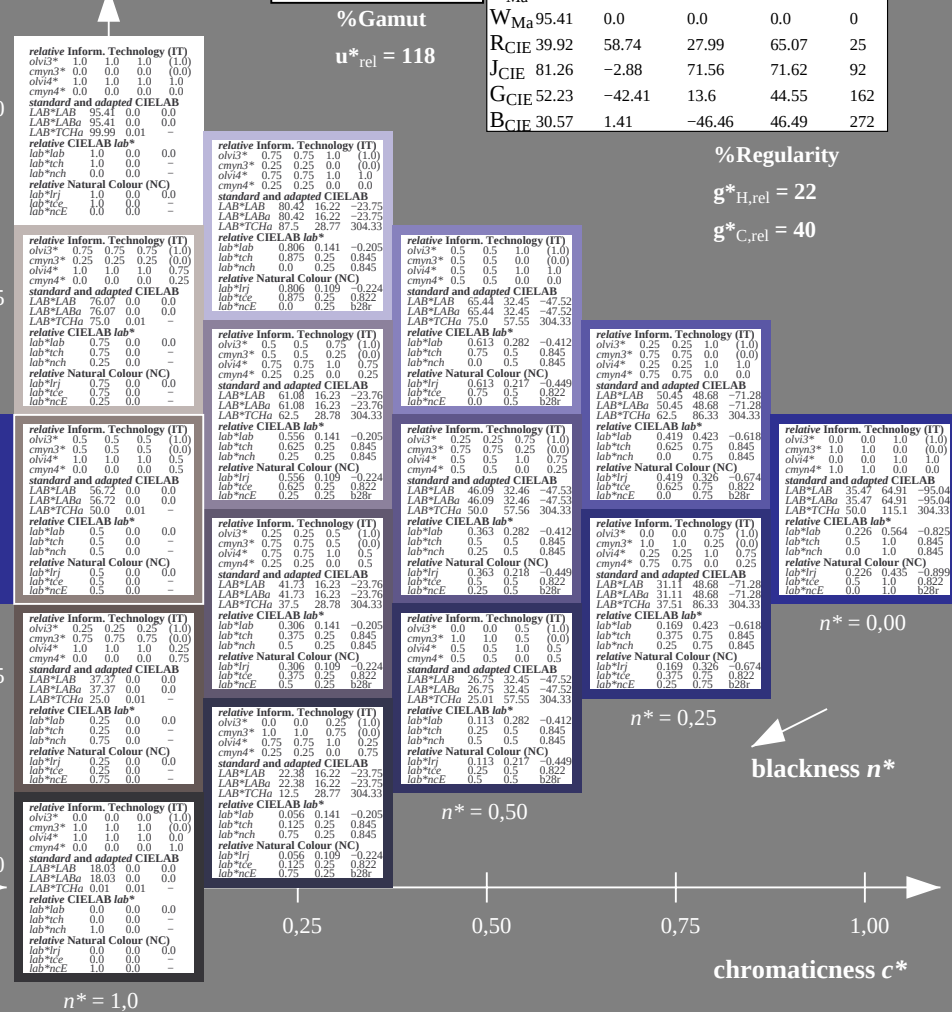


TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



5 step scales for constant CIELAB hue 304/360 = 0.845 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

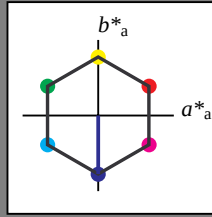
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

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0,25

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

0,50

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Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

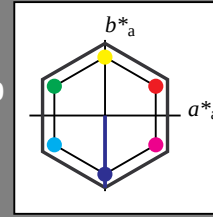
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

1,00

0,75

0,50

0,25

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NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

1,00

0,75

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Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

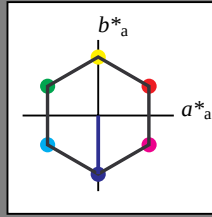
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

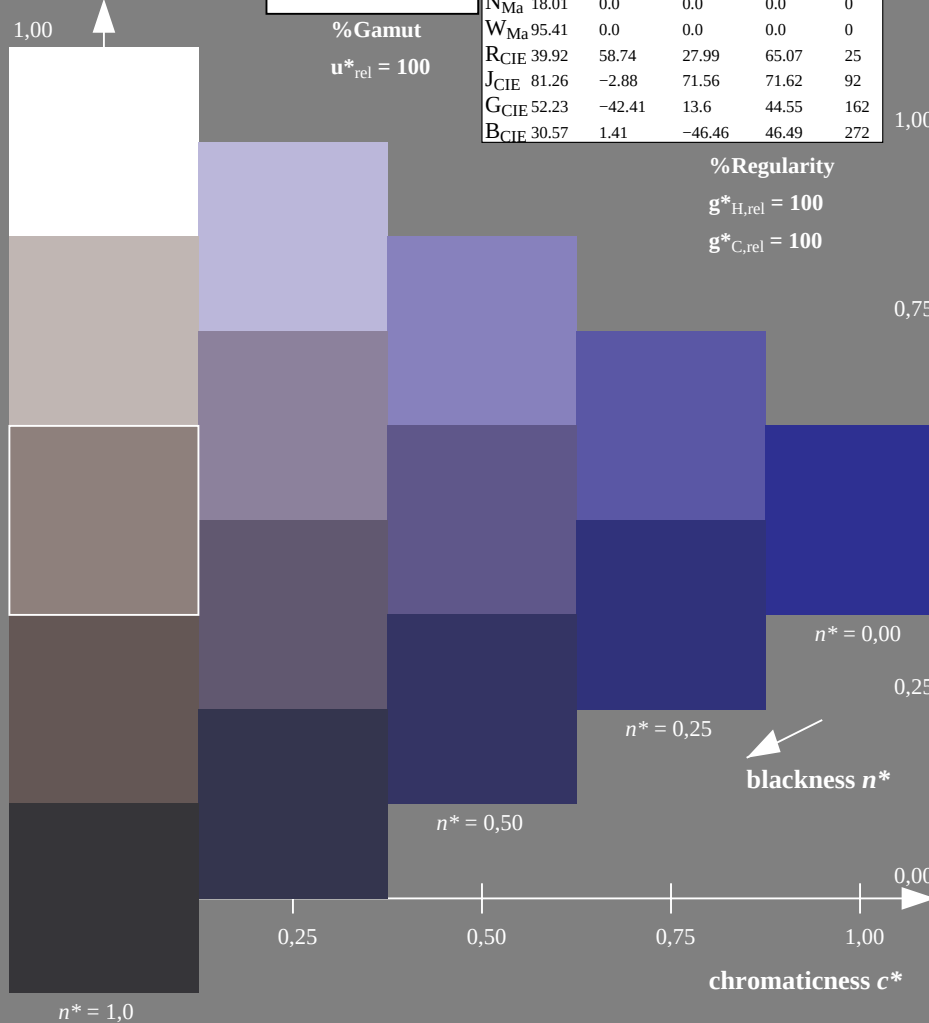


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

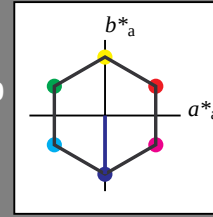
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

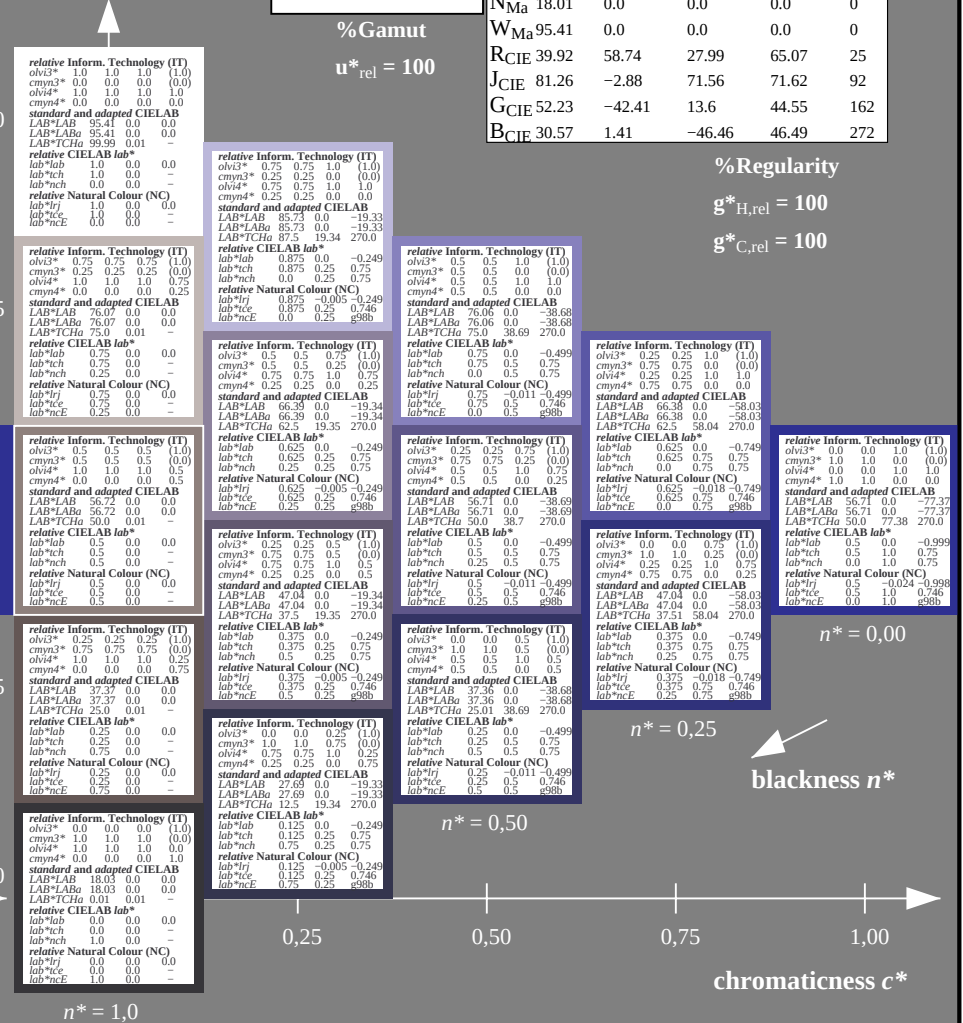


SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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



5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

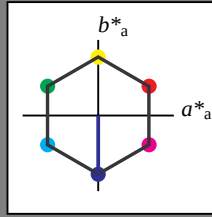
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

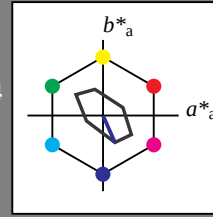
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 294/360 = 0.816 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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^*

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0,50

0,75

1,00

chromaticness c^*

blackness n^*

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1,00

chromaticness c^*

blackness n^*

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0,50

0,75

1,00

chromaticness c^*

blackness n^*

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0,50

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1,00

chromaticness c^*

blackness n^*

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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

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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

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

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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

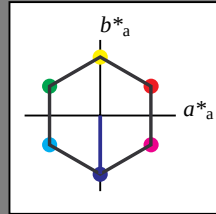
0,50

0,75

1,00

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

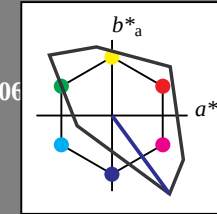
0,50

0,75

1,00

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

$n^* = 0,00$

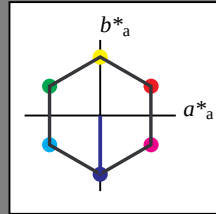
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 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*

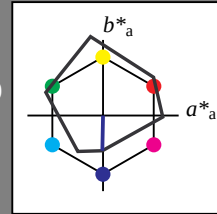
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 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

OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

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0,50

0,75

1,00

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

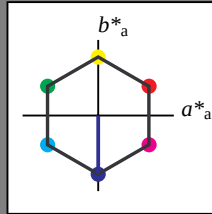
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

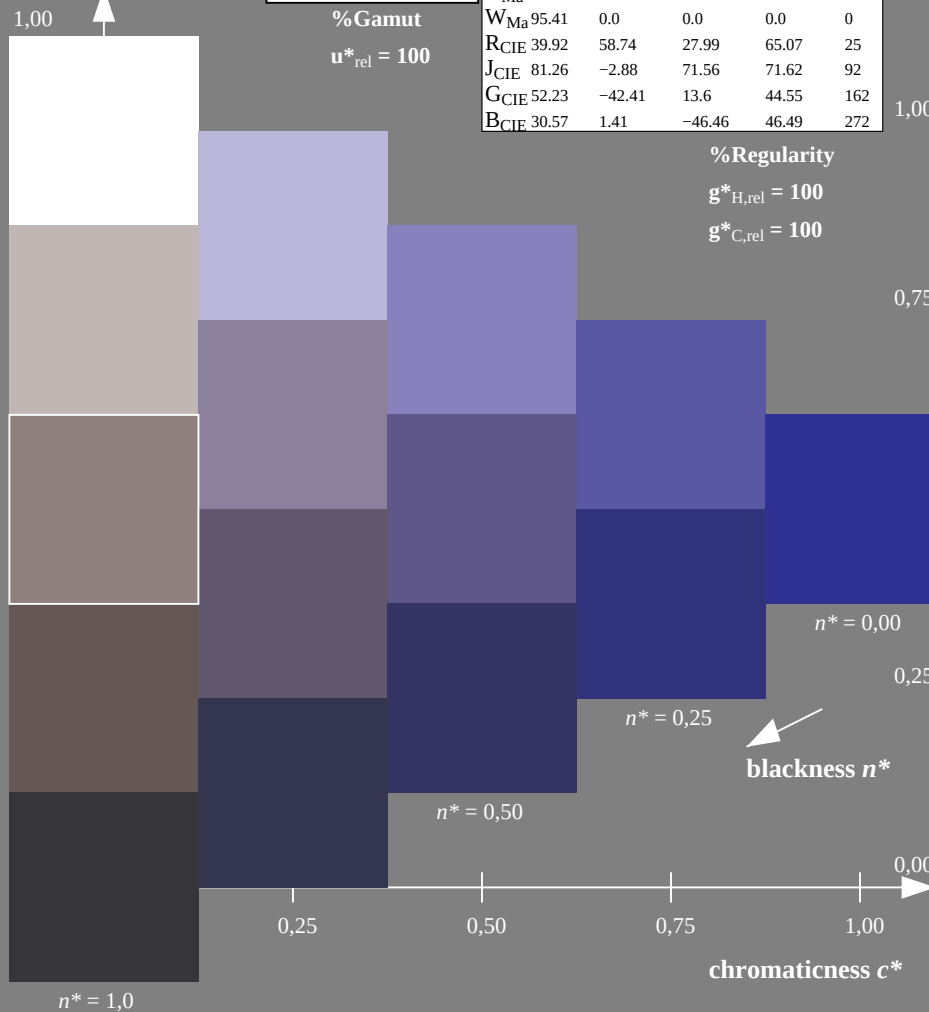
olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$



OE400-7, 5 step scales for constant CIE LAB hue 270/360 = 0.75 (left)

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
NMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

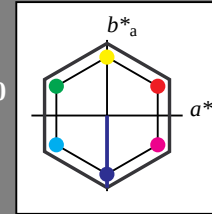
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

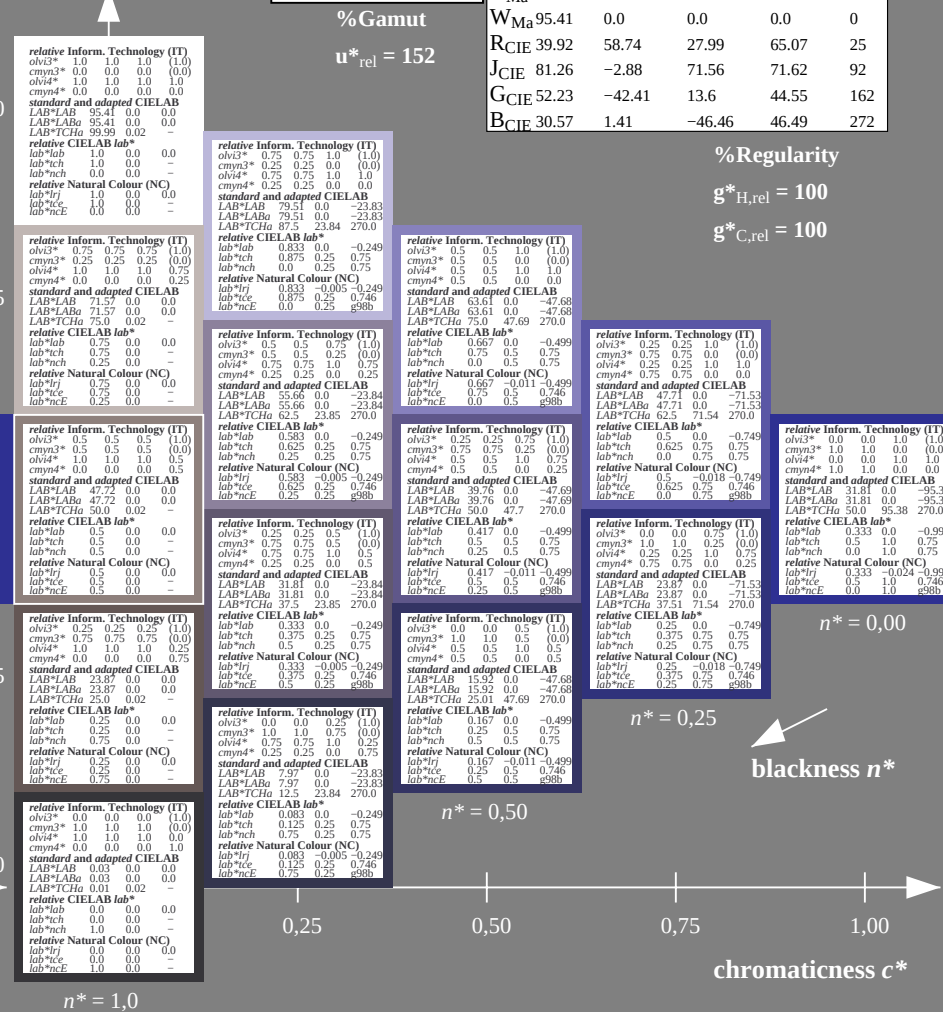
olv*Ma: 0.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$



5 step scales for constant CIE LAB hue 270/360 = 0.75 (right)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
NMa	63.61	82.62	-47.69	95.4	330
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

0,25

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,25

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

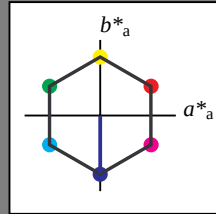
$g^*_{H,rel} = 100$

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

0,00

%Gamut

$u^*_{rel} = 100$



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,25

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,25

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

1,00

0,75

0,25

0,00

0,00

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0,00

0,00

0,00

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,25

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

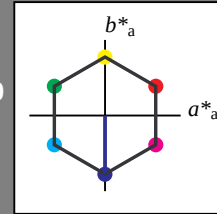
$g^*_{H,rel} = 100$

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

0,00

%Gamut

$u^*_{rel} = 100$



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,25

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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%Gamut

$u^*_{rel} = 100$

1,00

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0,25

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OE400-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

ol*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

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^*

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chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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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

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

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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^*

0,25

0,50

0,75

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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

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chromaticness c^*

blackness n^*

0,25

0,50

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chromaticness c^*

blackness n^*

0,25

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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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^*

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^*

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

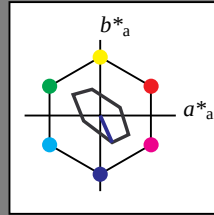
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

Output: Colorimetric Offset Reflective System ORS18

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

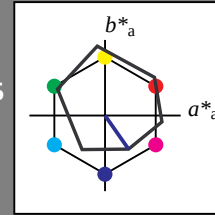
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 305/360 = 0.847 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

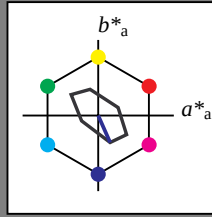
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness

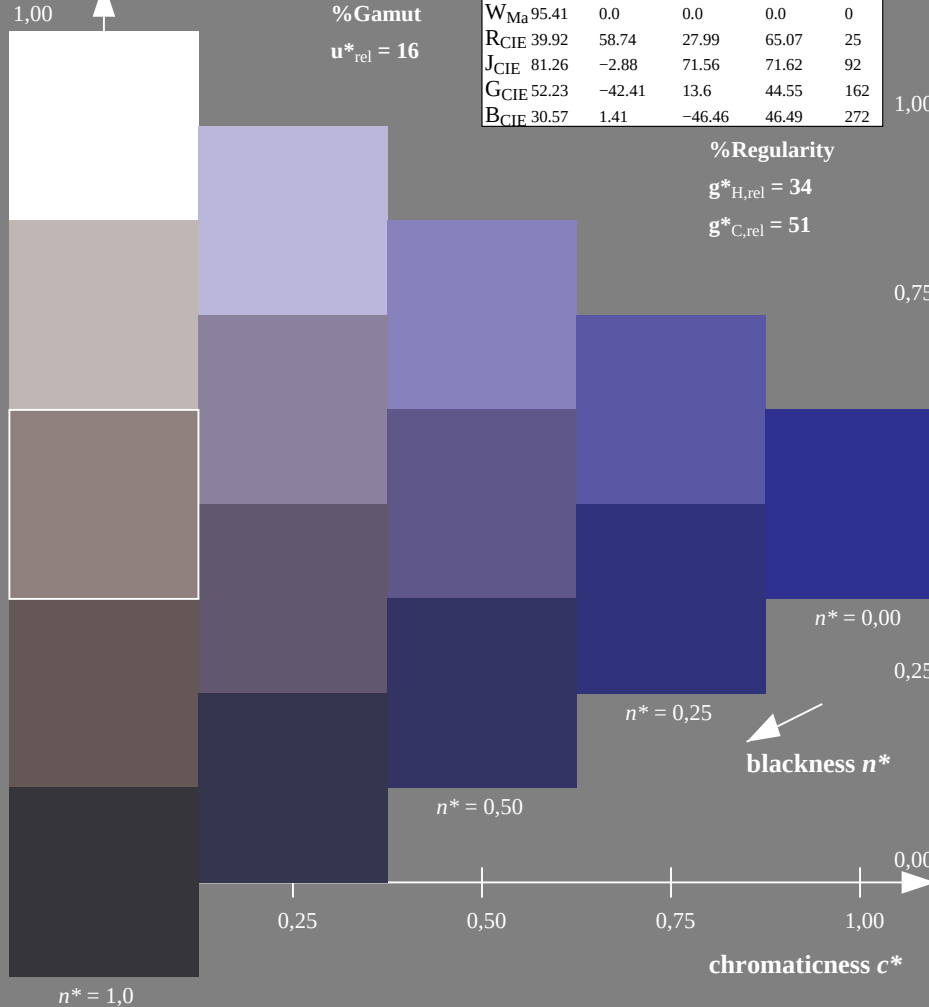


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

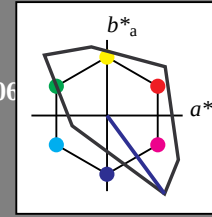
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness

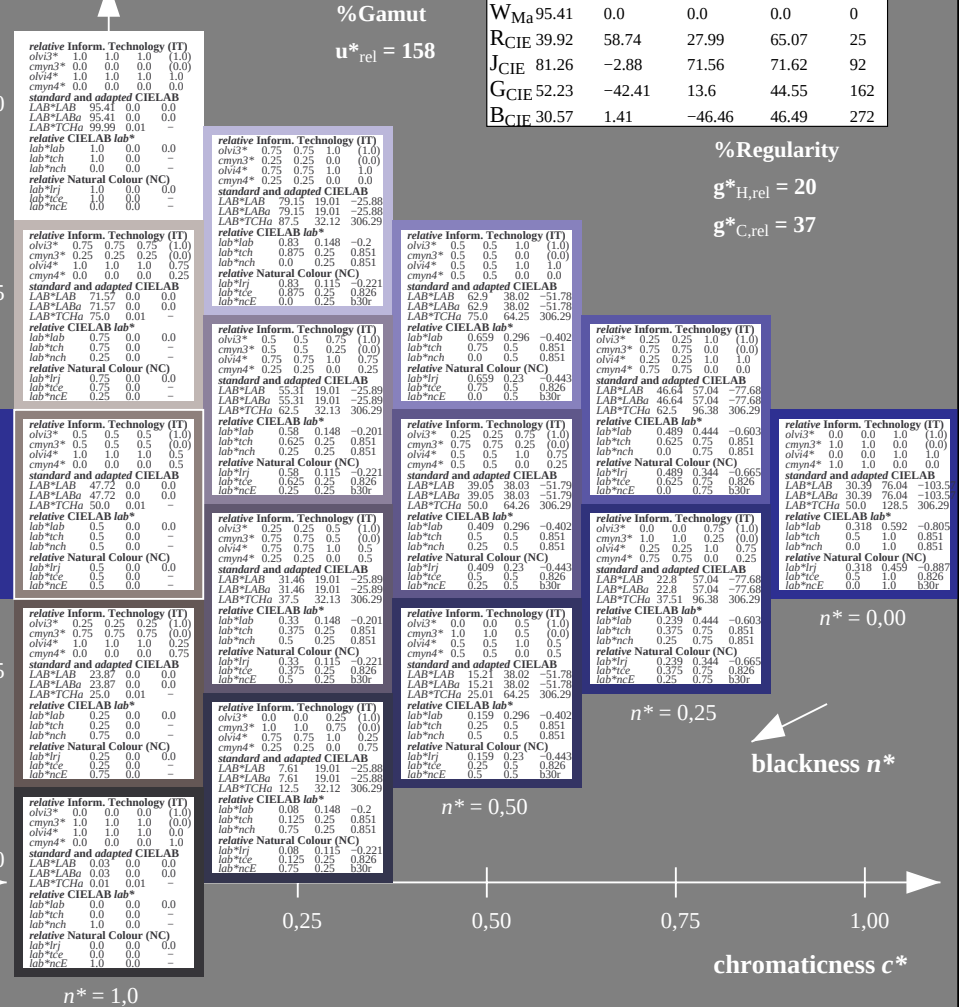


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

lab^*tch and lab^*nch

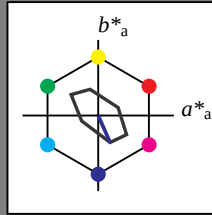
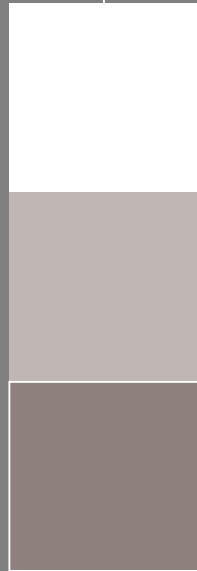
D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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	96.31	0.0	0.0		
LAB*LABa	96.31	0.0	0.0		
LAB*LABb	96.31	0.0	0.0		
LAB*LABc	96.31	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		
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		
lab*trj	1.0	0.0	0.0		

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

lab^*tch and lab^*nch

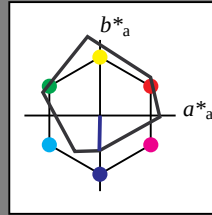
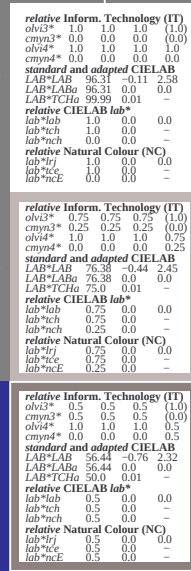
D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 101$

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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	80.77	-0.59	-9.14		
LAB*LABa	80.77	-0.59	-9.14		
LAB*LABb	80.77	-0.59	-9.14		
LAB*LABc	80.77	-0.59	-9.14		
relative CIELAB lab*					
lab*lab	0.805	-0.004	-0.249		
lab*lab	0.805	-0.004	-0.249		
lab*nch	0.805	-0.004	-0.249		
lab*nch	0.805	-0.004	-0.249		
relative Natural Colour (NC)					
lab*trj	0.805	-0.004	-0.249		
lab*trj	0.805	-0.004	-0.249		
lab*trj	0.805	-0.004	-0.249		
lab*trj	0.805	-0.004	-0.249		

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	1.0	(1.0)	
cmyn3*	0.5	0.5	0.0	(0.0)	
olvi4*	0.5	0.5	1.0	(1.0)	
cmyn4*	0.5	0.5	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	65.23	-1.08	-20.89		
LAB*LABa	65.23	-1.08	-20.89		
LAB*LABb	65.23	-1.08	-20.89		
LAB*LABc	65.23	-1.08	-20.89		
relative CIELAB lab*					
lab*lab	0.61	-0.009	-0.499		
lab*lab	0.61	-0.009	-0.499		
lab*nch	0.61	-0.009	-0.499		
lab*nch	0.61	-0.009	-0.499		
relative Natural Colour (NC)					
lab*trj	0.61	-0.009	-0.499		
lab*trj	0.61	-0.009	-0.499		
lab*trj	0.61	-0.009	-0.499		
lab*trj	0.61	-0.009	-0.499		

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

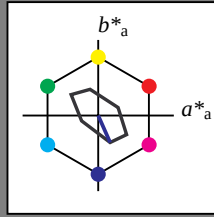
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

ol*Ma: 0.0 0.0 1.0

triangle lightness

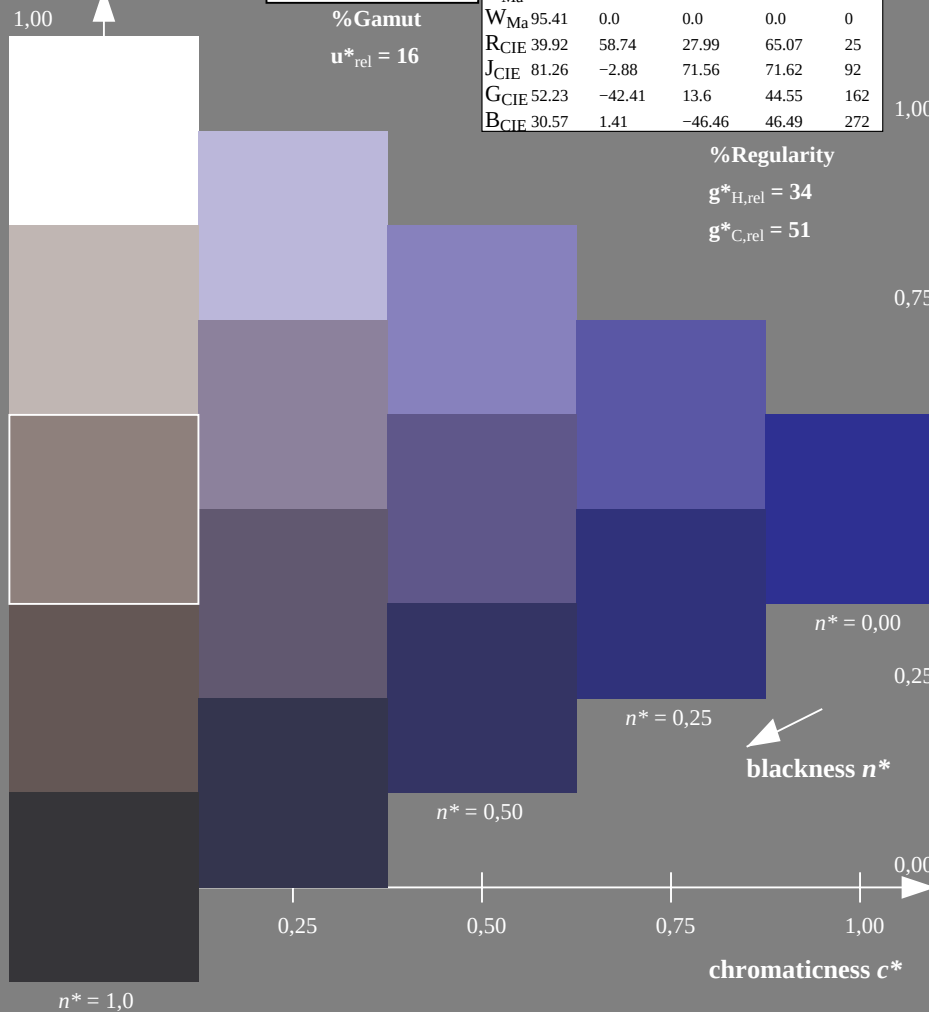


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

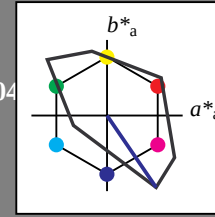
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

ol*Ma: 0.0 0.0 1.0

triangle lightness

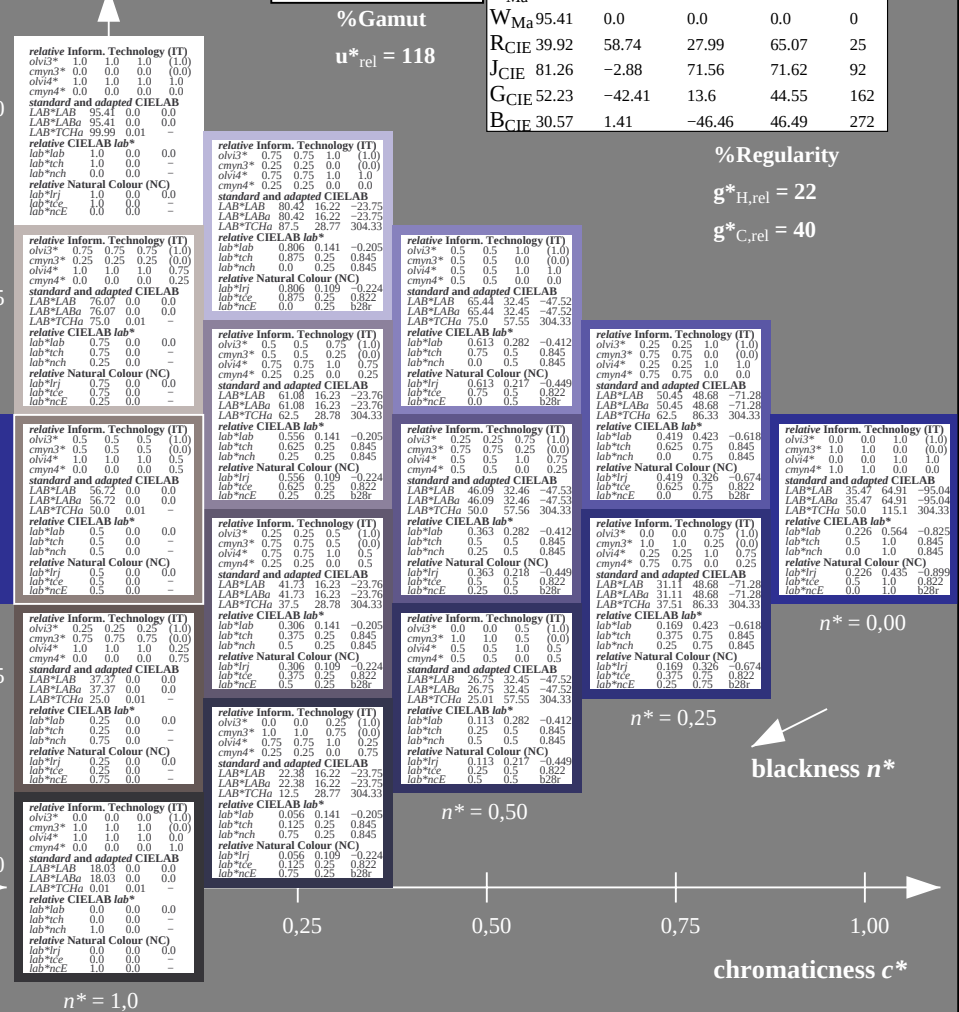


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



5 step scales for constant CIELAB hue 304/360 = 0.845 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

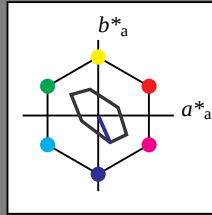
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

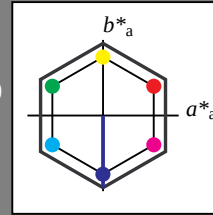
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

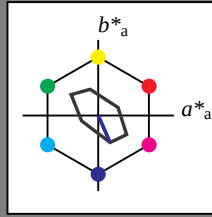
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

ol*Ma: 0.0 0.0 1.0

triangle lightness

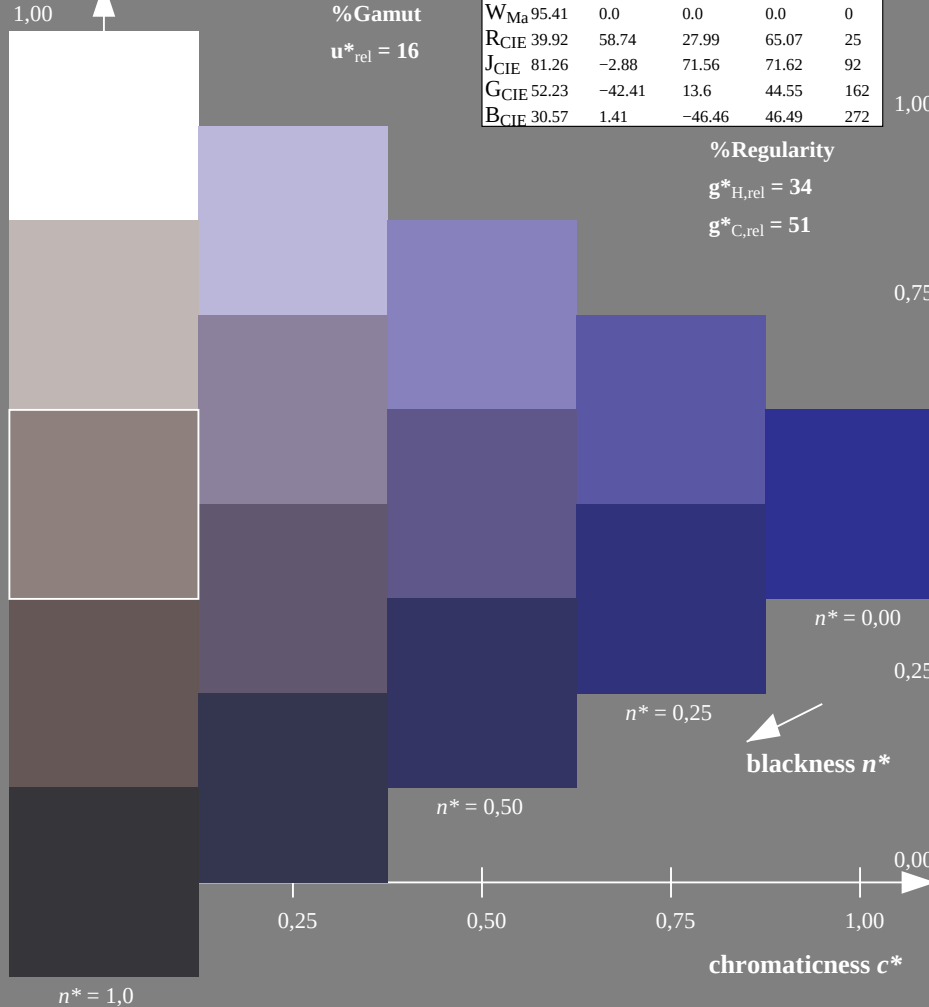


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

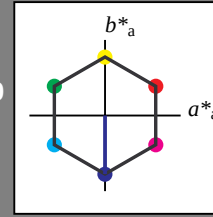
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

ol*Ma: 0.0 0.0 1.0

triangle lightness

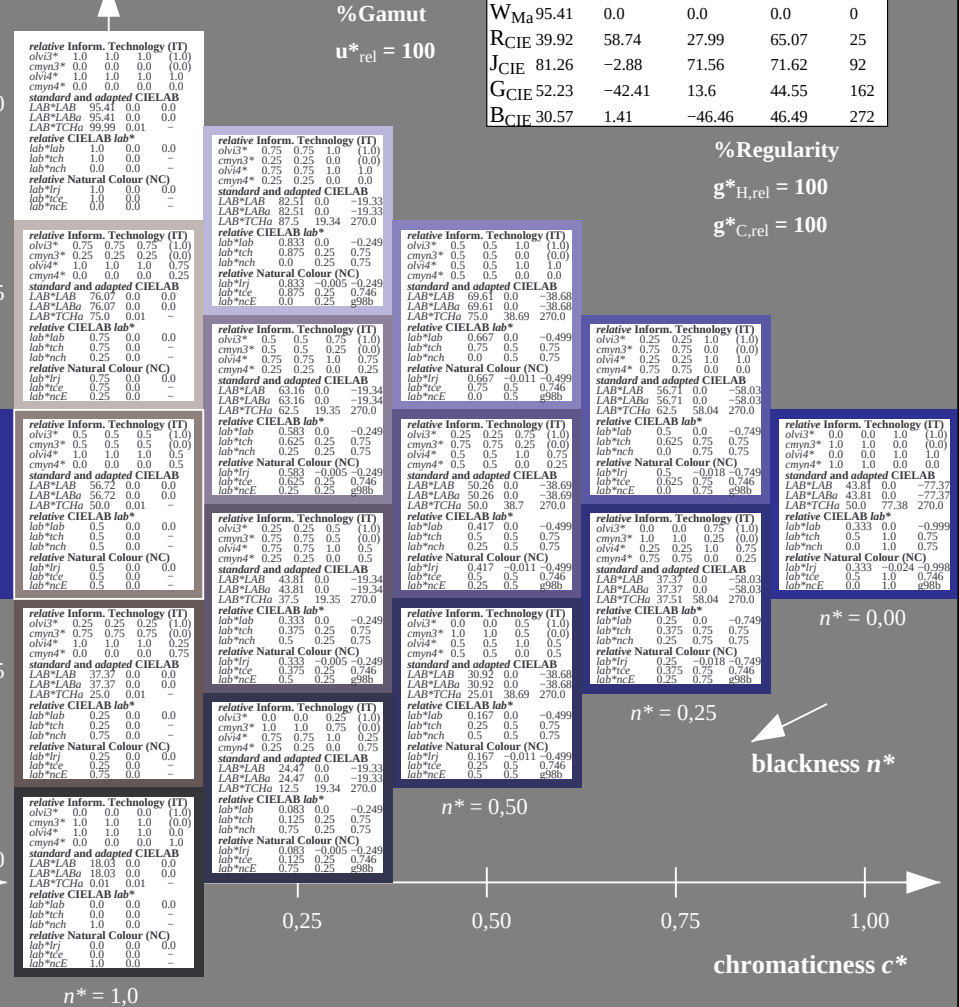


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

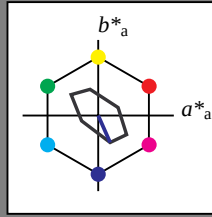
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness

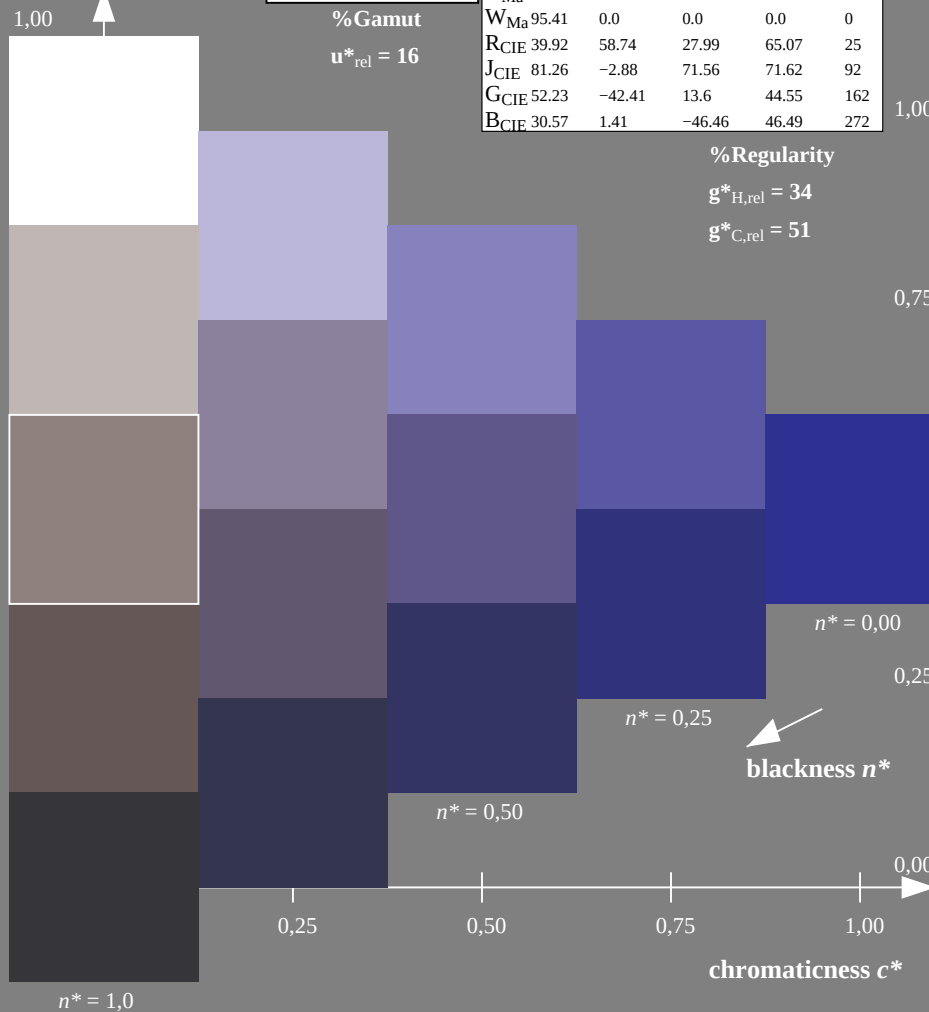


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

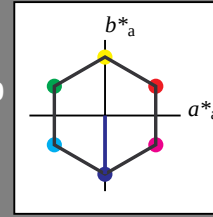
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness

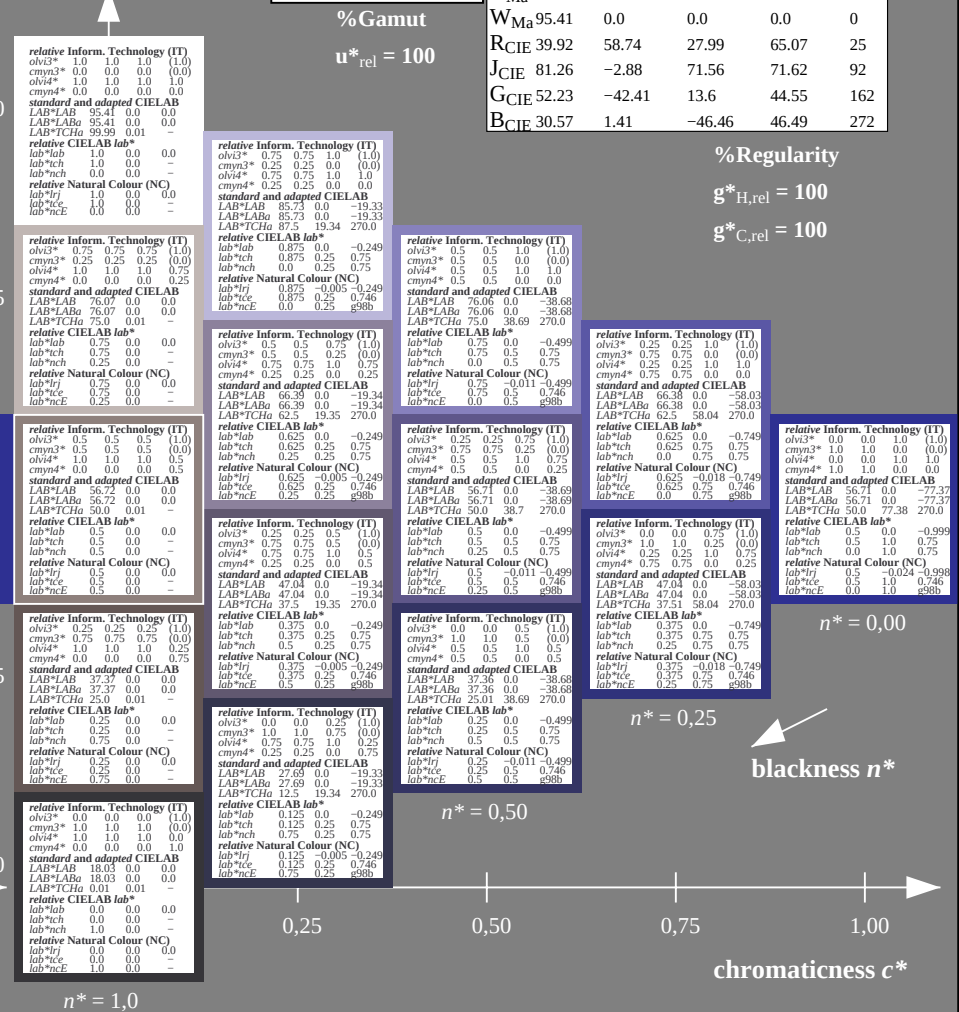


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

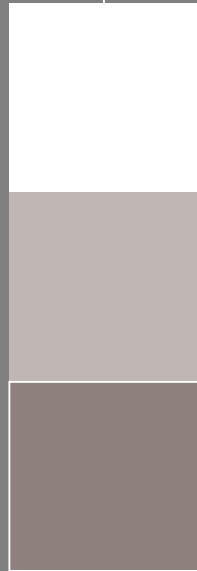
D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

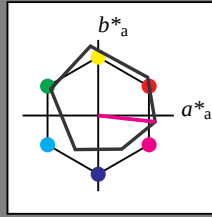
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

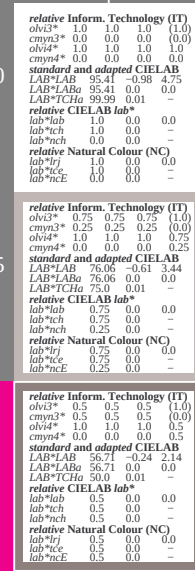
D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

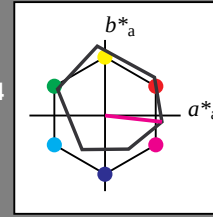
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

0,00

chromaticness c^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

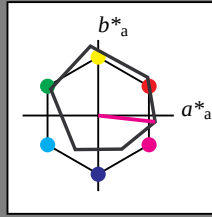
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

ol*Ma: 1.0 0.0 1.0

triangle lightness

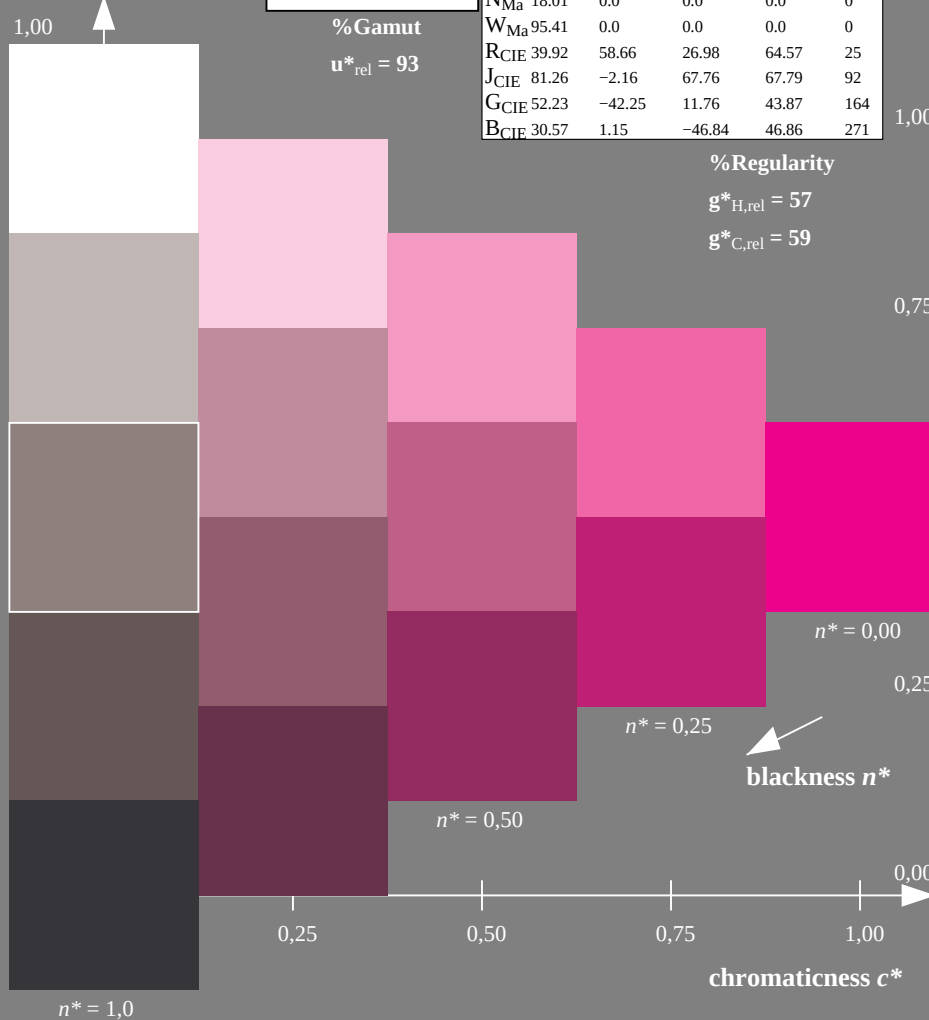


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



OE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

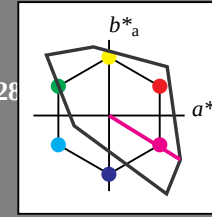
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

ol*Ma: 1.0 0.0 1.0

triangle lightness

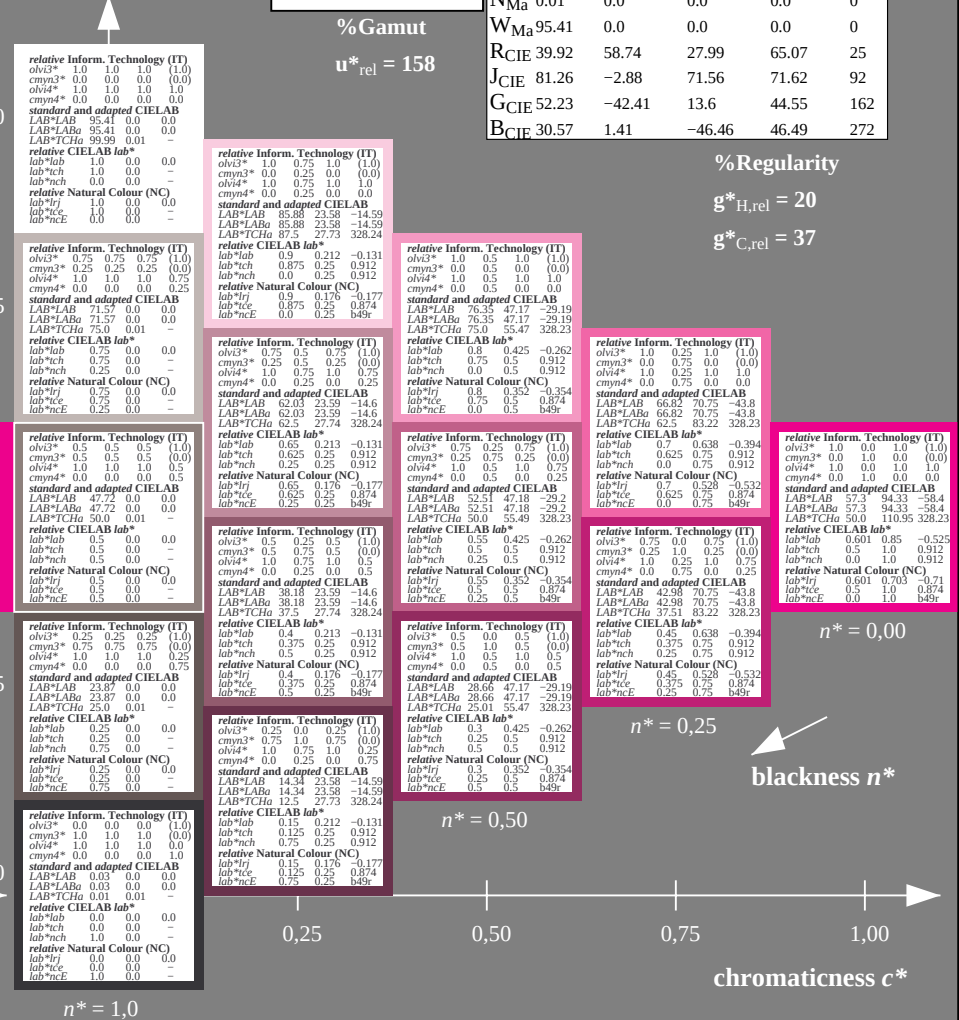


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.912 (right)

Input: Colorimetric Offset 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

ol*Ma: 1.0 0.0 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^*

triangle lightness

%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^*

triangle lightness

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

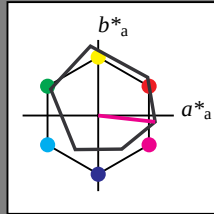
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

triangle lightness

%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^*

triangle lightness

%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^*

triangle lightness

%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^*

triangle lightness

%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^*

triangle lightness

%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^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

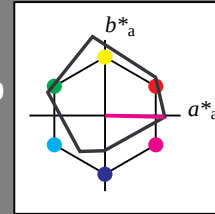
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

triangle lightness



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

triangle lightness

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

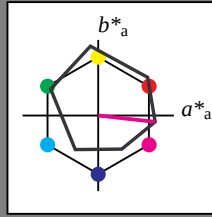
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

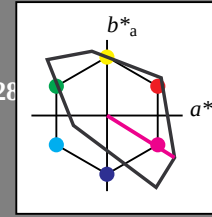
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

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	76.07	0.0	0.0		
LAB*LABa	76.07	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	66.96	22.33	-13.91		
LAB*LABa	66.96	22.33	-13.91		
LAB*LABb	62.5	26.32	328.06		
relative CIELAB lab*					
lab*lab	0.632	0.212	-0.131		
lab*tch	0.625	0.25	0.911		
lab*nch	0.25	0.25	0.911		
relative Natural Colour (NC)					
lab*trj	0.632	0.175	-0.177		
lab*tce	0.625	0.25	0.874		
lab*nce	0.25	0.25	0.874		

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	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	-		
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	47.61	22.33	-13.91		
LAB*LABa	47.61	22.33	-13.91		
LAB*LABb	37.5	26.32	328.06		
relative CIELAB lab*					
lab*lab	0.382	0.212	-0.131		
lab*tch	0.375	0.25	0.911		
lab*nch	0.5	0.25	0.911		
relative Natural Colour (NC)					
lab*trj	0.382	0.175	-0.177		
lab*tce	0.375	0.25	0.874		
lab*nce	0.5	0.25	0.874		

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	57.86	44.67	-27.83		
LAB*LABa	57.86	44.67	-27.83		
LAB*LABb	50.0	52.62	328.06		
relative CIELAB lab*					
lab*lab	0.515	0.424	-0.263		
lab*tch	0.515	0.5	0.911		
lab*nch	0.5	0.5	0.911		
relative Natural Colour (NC)					
lab*trj	0.515	0.351	-0.355		
lab*tce	0.5	0.5	0.874		
lab*nce	0.5	0.5	0.874		

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	38.51	44.66	-27.82		
LAB*LABa	38.51	44.66	-27.82		
LAB*LABb	25.01	52.62	328.06		
relative CIELAB lab*					
lab*lab	0.265	0.424	-0.263		
lab*tch	0.25	0.5	0.911		
lab*nch	0.5	0.5	0.911		
relative Natural Colour (NC)					
lab*trj	0.265	0.351	-0.355		
lab*tce	0.25	0.5	0.874		
lab*nce	0.5	0.5	0.874		

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	18.03	0.0	0.0		
LAB*LABa	18.03	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	-		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.911 (right)

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Offset 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

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00

0,75

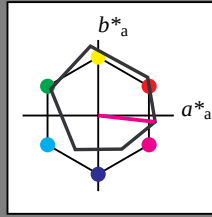
0,50

0,25

0,00

blackness n^*

chromaticness c^*



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00

0,75

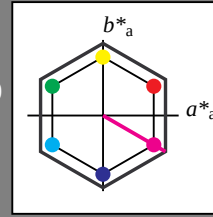
0,50

0,25

0,00

blackness n^*

chromaticness c^*



% Gamut

$u^*_{rel} = 152$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

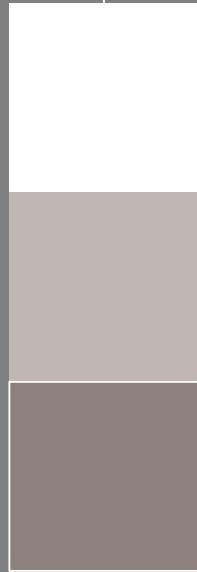
D65: hue M

LCH*Ma: 48 76 354

ol*Ma: 1.0 0.0 1.0

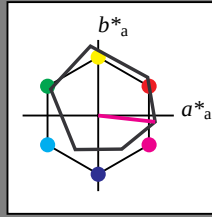
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

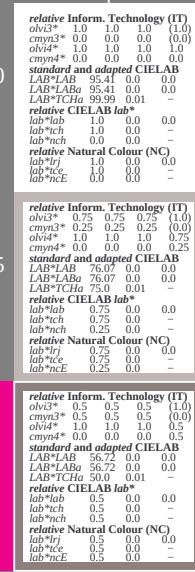
D65: hue M

LCH*Ma: 70 77 330

ol*Ma: 1.0 0.0 1.0

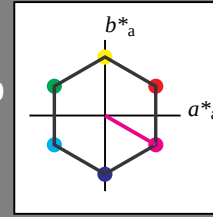
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

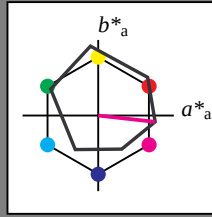
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*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	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	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^*

OE400-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

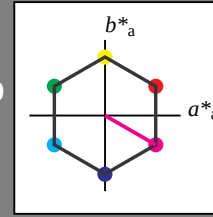
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Offset 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

olv*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

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

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chromaticness c^*

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Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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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0,75

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

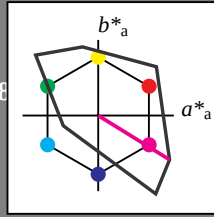
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

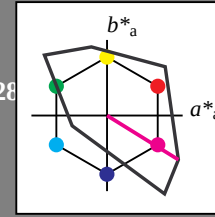
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.912 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

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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

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^*

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

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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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^*

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^*

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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^*

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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

0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

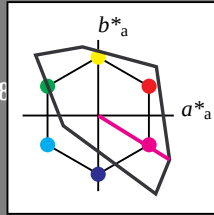
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

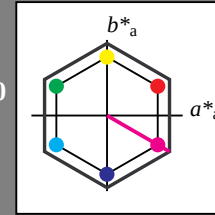
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

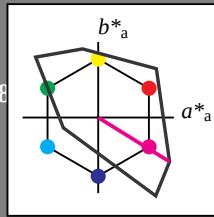
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0.00$

0,25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0,00

chromaticness c^*

$n^* = 1.0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

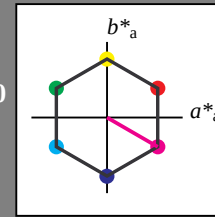
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

0,25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

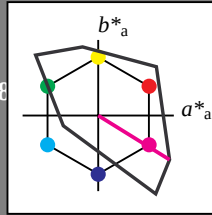
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

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

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0,00

0,00

0,00

0,00

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

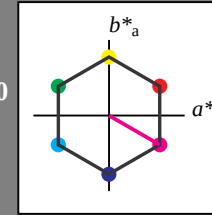
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

ol*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

0,00

0,00

0,00

0,00

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0,00

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

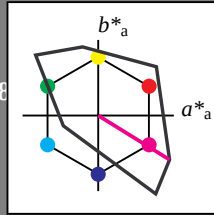
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

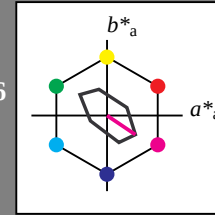
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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	86.95	18.76	-12.61	18.76	-12.61
LAB*LABa	86.95	18.76	-12.61	18.76	-12.61
LAB*LABb	86.95	18.76	-12.61	18.76	-12.61
LAB*LABc	86.95	18.76	-12.61	18.76	-12.61
LAB*LABd	86.95	18.76	-12.61	18.76	-12.61
LAB*LABe	86.95	18.76	-12.61	18.76	-12.61
LAB*LABf	86.95	18.76	-12.61	18.76	-12.61
LAB*LABg	86.95	18.76	-12.61	18.76	-12.61
LAB*LABh	86.95	18.76	-12.61	18.76	-12.61
LAB*LABi	86.95	18.76	-12.61	18.76	-12.61
LAB*LABj	86.95	18.76	-12.61	18.76	-12.61
LAB*LABk	86.95	18.76	-12.61	18.76	-12.61
LAB*LABl	86.95	18.76	-12.61	18.76	-12.61
LAB*LABm	86.95	18.76	-12.61	18.76	-12.61
LAB*LABn	86.95	18.76	-12.61	18.76	-12.61
LAB*LABo	86.95	18.76	-12.61	18.76	-12.61
LAB*LABp	86.95	18.76	-12.61	18.76	-12.61
LAB*LABq	86.95	18.76	-12.61	18.76	-12.61
LAB*LABr	86.95	18.76	-12.61	18.76	-12.61
LAB*LABs	86.95	18.76	-12.61	18.76	-12.61
LAB*LABt	86.95	18.76	-12.61	18.76	-12.61
LAB*LABu	86.95	18.76	-12.61	18.76	-12.61
LAB*LABv	86.95	18.76	-12.61	18.76	-12.61
LAB*LABw	86.95	18.76	-12.61	18.76	-12.61
LAB*LABx	86.95	18.76	-12.61	18.76	-12.61
LAB*LABy	86.95	18.76	-12.61	18.76	-12.61
LAB*LABz	86.95	18.76	-12.61	18.76	-12.61

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	80.53	18.76	-12.61	18.76	-12.61
LAB*LABa	80.53	18.76	-12.61	18.76	-12.61
LAB*LABb	80.53	18.76	-12.61	18.76	-12.61
LAB*LABc	80.53	18.76	-12.61	18.76	-12.61
LAB*LABd	80.53	18.76	-12.61	18.76	-12.61
LAB*LABe	80.53	18.76	-12.61	18.76	-12.61
LAB*LABf	80.53	18.76	-12.61	18.76	-12.61
LAB*LABg	80.53	18.76	-12.61	18.76	-12.61
LAB*LABh	80.53	18.76	-12.61	18.76	-12.61
LAB*LABi	80.53	18.76	-12.61	18.76	-12.61
LAB*LABj	80.53	18.76	-12.61	18.76	-12.61
LAB*LABk	80.53	18.76	-12.61	18.76	-12.61
LAB*LABl	80.53	18.76	-12.61	18.76	-12.61
LAB*LABm	80.53	18.76	-12.61	18.76	-12.61
LAB*LABn	80.53	18.76	-12.61	18.76	-12.61
LAB*LABo	80.53	18.76	-12.61	18.76	-12.61
LAB*LABp	80.53	18.76	-12.61	18.76	-12.61
LAB*LABq	80.53	18.76	-12.61	18.76	-12.61
LAB*LABr	80.53	18.76	-12.61	18.76	-12.61
LAB*LABs	80.53	18.76	-12.61	18.76	-12.61
LAB*LABt	80.53	18.76	-12.61	18.76	-12.61
LAB*LABu	80.53	18.76	-12.61	18.76	-12.61
LAB*LABv	80.53	18.76	-12.61	18.76	-12.61
LAB*LABw	80.53	18.76	-12.61	18.76	-12.61
LAB*LABx	80.53	18.76	-12.61	18.76	-12.61
LAB*LABy	80.53	18.76	-12.61	18.76	-12.61
LAB*LABz	80.53	18.76	-12.61	18.76	-12.61

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	78.33	9.38	-6.3	9.38	-6.3
LAB*LABa	78.33	9.38	-6.3	9.38	-6.3
LAB*LABb	78.33	9.38	-6.3	9.38	-6.3
LAB*LABc	78.33	9.38	-6.3	9.38	-6.3
LAB*LABd	78.33	9.38	-6.3	9.38	-6.3
LAB*LABe	78.33	9.38	-6.3	9.38	-6.3
LAB*LABf	78.33	9.38	-6.3	9.38	-6.3
LAB*LABg	78.33	9.38	-6.3	9.38	-6.3
LAB*LABh	78.33	9.38	-6.3	9.38	-6.3
LAB*LABi	78.33	9.38	-6.3	9.38	-6.3
LAB*LABj	78.33	9.38	-6.3	9.38	-6.3
LAB*LABk	78.33	9.38	-6.3	9.38	-6.3
LAB*LABl	78.33	9.38	-6.3	9.38	-6.3
LAB*LABm	78.33	9.38	-6.3	9.38	-6.3
LAB*LABn	78.33	9.38	-6.3	9.38	-6.3
LAB*LABo	78.33	9.38	-6.3	9.38	-6.3
LAB*LABp	78.33	9.38	-6.3	9.38	-6.3
LAB*LABq	78.33	9.38	-6.3	9.38	-6.3
LAB*LABr	78.33	9.38	-6.3	9.38	-6.3
LAB*LABs	78.33	9.38	-6.3	9.38	-6.3
LAB*LABt	78.33	9.38	-6.3	9.38	-6.3
LAB*LABu	78.33	9.38	-6.3	9.38	-6.3
LAB*LABv	78.33	9.38	-6.3	9.38	-6.3
LAB*LABw	78.33	9.38	-6.3	9.38	-6.3
LAB*LABx	78.33	9.38	-6.3	9.38	-6.3
LAB*LABy	78.33	9.38	-6.3	9.38	-6.3
LAB*LABz	78.33	9.38	-6.3	9.38	-6.3

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	71.9	9.38	-6.3	9.38	-6.3
LAB*LABa	71.9	9.38	-6.3	9.38	-6.3
LAB*LABb	71.9	9.38	-6.3	9.38	-6.3
LAB*LABc	71.9	9.38	-6.3	9.38	-6.3
LAB*LABd	71.9	9.38	-6.3	9.38	-6.3
LAB*LABe	71.9	9.38	-6.3	9.38	-6.3
LAB*LABf	71.9	9.38	-6.3	9.38	-6.3
LAB*LABg	71.9	9.38	-6.3	9.38	-6.3
LAB*LABh	71.9	9.38	-6.3	9.38	-6.3
LAB*LABi	71.9	9.38	-6.3	9.38	-6.3
LAB*LABj	71.9	9.38	-6.3	9.38	-6.3
LAB*LABk	71.9	9.38	-6.3	9.38	-6.3
LAB*LABl	71.9	9.38	-6.3	9.38	-6.3
LAB*LABm	71.9	9.38	-6.3	9.38	-6.3
LAB*LABn	71.9	9.38	-6.3	9.38	-6.3
LAB*LABo	71.9	9.38	-6.3	9.38	-6.3
LAB*LABp	71.9	9.38	-6.3	9.38	-6.3
LAB*LABq	71.9	9.38	-6.3	9.38	-6.3
LAB*LABr	71.9	9.38	-6.3	9.38	-6.3
LAB*LABs	71.9	9.38	-6.3	9.38	-6.3
LAB*LABt	71.9	9.38	-6.3	9.38	-6.3
LAB*LABu	71.9	9.38	-6.3	9.38	-6.3
LAB*LABv	71.9	9.38	-6.3	9.38	-6.3
LAB*LABw	71.9	9.38	-6.3	9.38	-6.3
LAB*LABx	71.9	9.38	-6.3	9.38	-6.3
LAB*LABy	71.9	9.38	-6.3	9.38	-6.3
LAB*LABz	71.9	9.38	-6.3	9.38	-6.3

distance	1.0	0.0	-
$n^* = 1,0$			
5 step scales for			

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

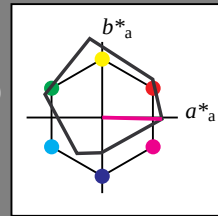
$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

Output: Colorimetric Offset 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

olv*Ma: 1.0 0.0 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^*

triangle lightness

%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^*

triangle lightness

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

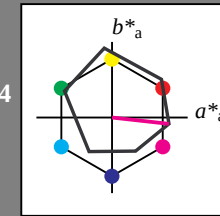
$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%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^*

triangle lightness

%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^*

triangle lightness

%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^*

OE400-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

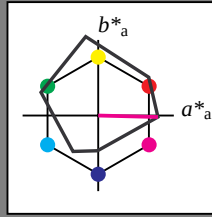
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

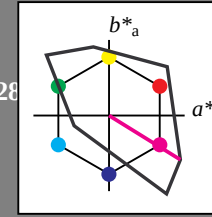
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

5 step scales for constant CIELAB hue 328/360 = 0.912 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

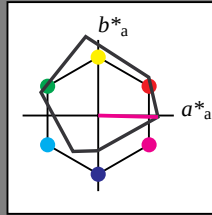
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

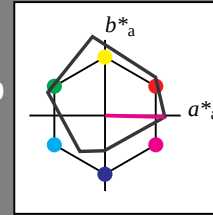
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 359/360 = 0.996 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

$n^* = 1,0$

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

1,00

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

1,00

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

1,00

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

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

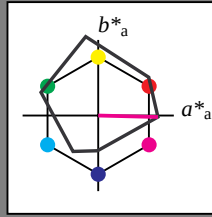
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

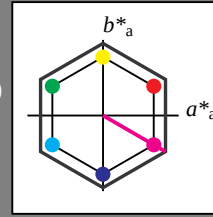
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

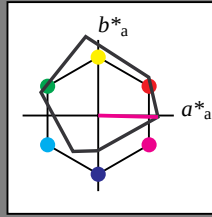
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

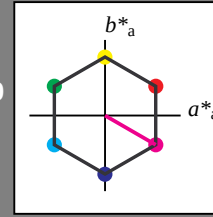
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

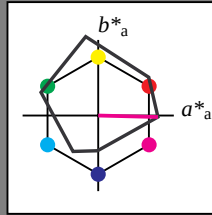
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

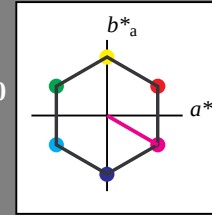
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

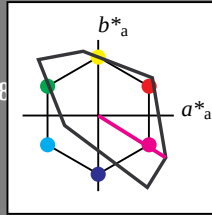
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

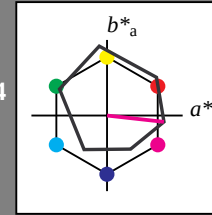
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 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	-0.98	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*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	-0.61	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*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	64.24	18.43	0.56		
LAB*LABa	64.24	18.82	-2.08		
LAB*TCHa	62.5	18.94	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	0.72r		

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	56.71	0.24	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*ch	0.5	0.0	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	44.89	18.82	-2.08		
LAB*LABa	44.89	18.82	-2.08		
LAB*TCHa	37.5	18.94	353.66		
relative CIELAB lab*					
lab*lab	0.347	0.248	-0.027		
lab*ch	0.375	0.25	0.982		
lab*nch	0.5	0.25	0.982		
relative Natural Colour (NC)					
lab*trj	0.347	0.227	-0.103		
lab*nce	0.375	0.25	0.932		
lab*nce	0.5	0.25	0.72r		

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	(0.0)	
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*TCHa	12.5	18.93	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	0.72r		

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	(0.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47		
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*ch	0.0	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	-		

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	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
LAB*TCHa	0.01	0.01	-		
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	-		
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	(0.0)	
cmyn4*	0.0	0.0	0.0	(1.0)	
standard and adapted CIELAB					
LAB*LAB	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
LAB*TCHa	0.01	0.01	-		
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	-		
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 354/360 = 0.982 (right)

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

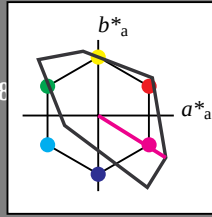
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness

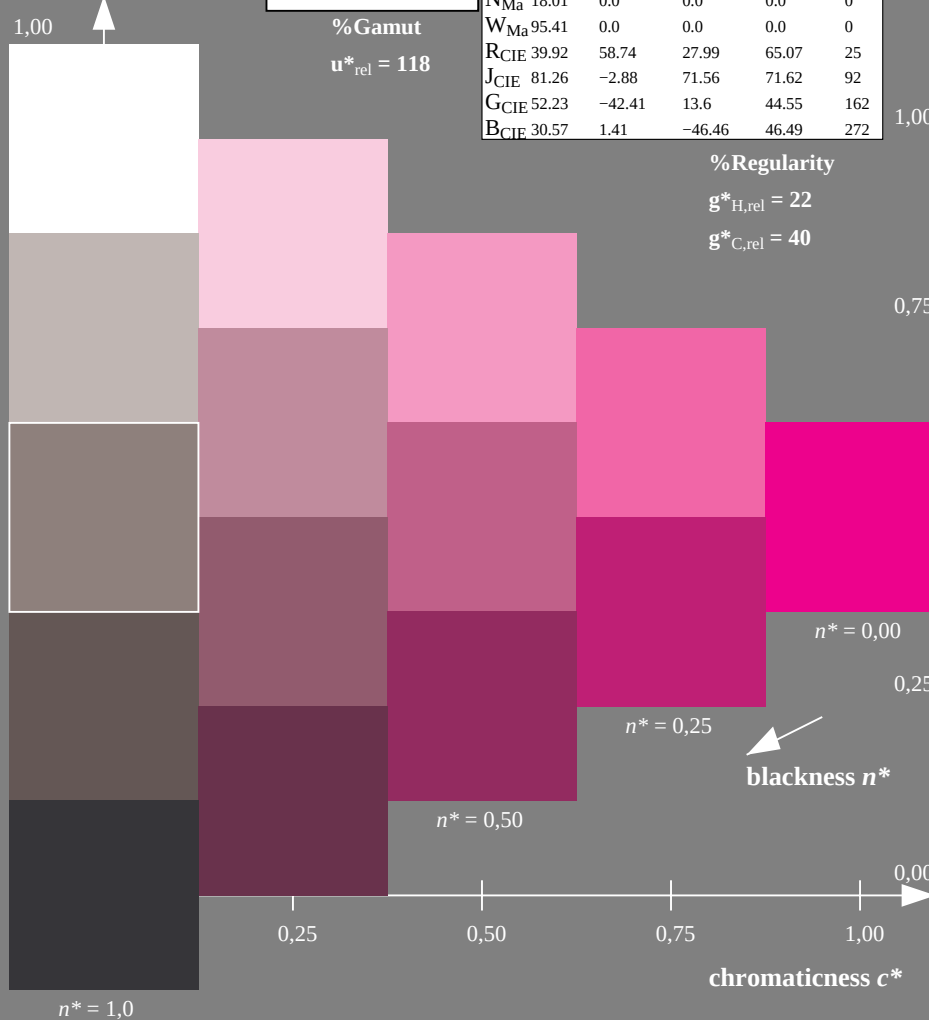


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

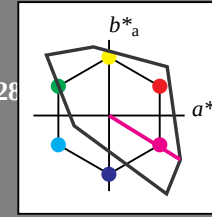
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness

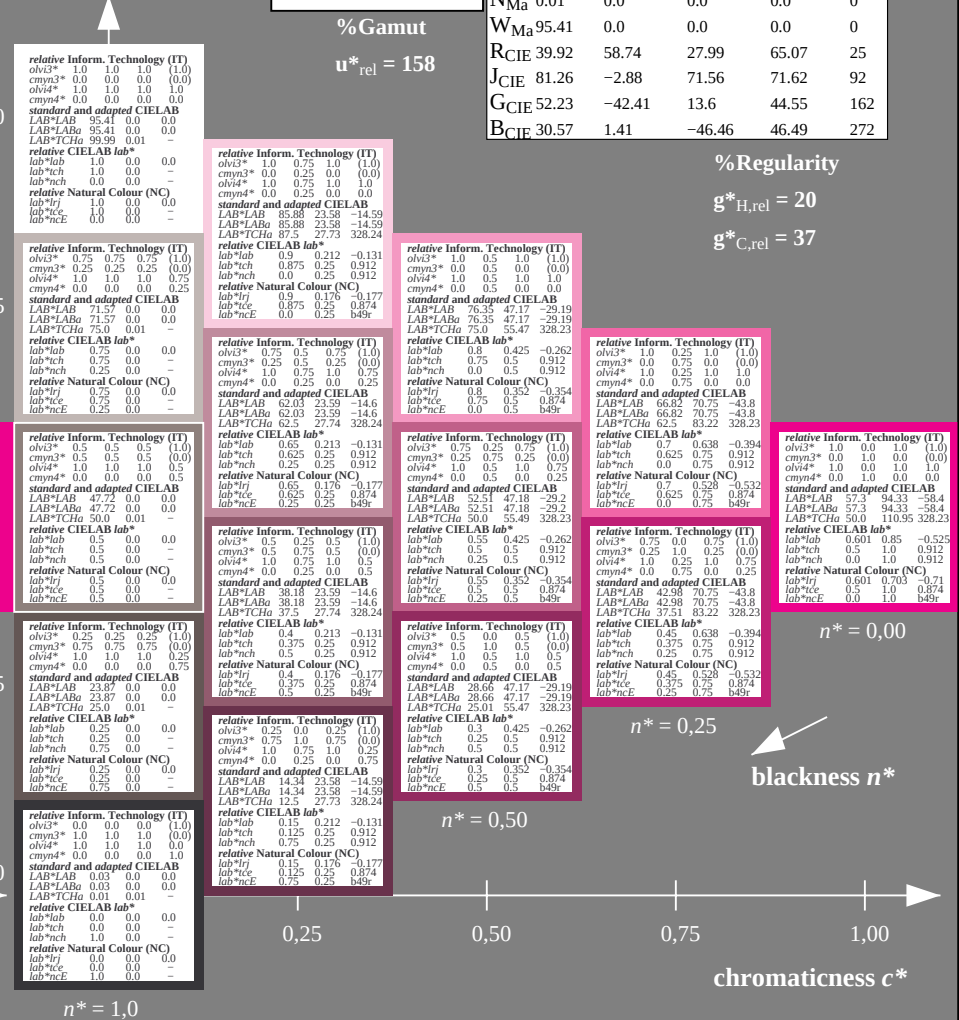


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 328/360 = 0.912 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

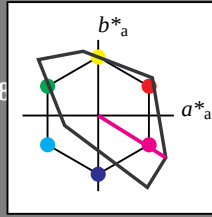
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

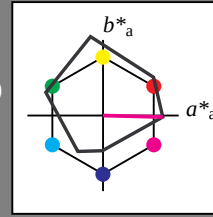
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

1,00

0,75

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 359/360 = 0.996 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

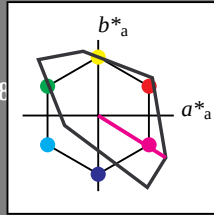
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

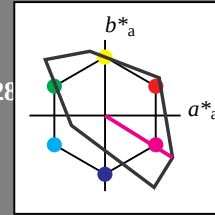
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 328/360 = 0.911 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

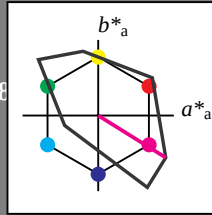
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

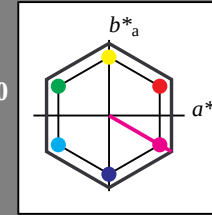
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

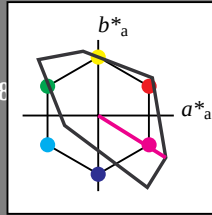
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

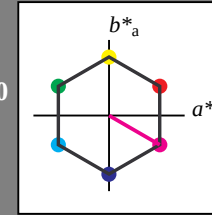
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

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

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

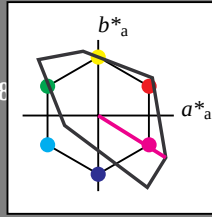
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

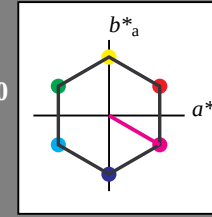
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

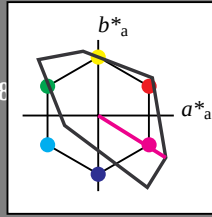
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

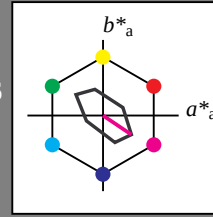
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

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)

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*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

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)

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	88.98	0.0	0.0
LAB*LABc	88.98	0.0	0.0

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.25	0.0	0.0

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

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)

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	82.56	0.0	0.0
LAB*LABc	82.56	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*	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)

LAB*LAB	91.18	9.38	-6.3
LAB*LABa	91.18	9.38	-6.3
LAB*LABb	91.18	9.38	-6.3
LAB*LABc	91.18	9.38	-6.3

lab*lab	0.836	0.207	-0.138
lab*tch	0.836	0.207	-0.138
lab*nch	0.0	0.25	0.906

lab*trj	0.836	0.207	-0.138
lab*tce	0.25	0.25	0.869
lab*nce	0.0	0.25	0.869

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	0.5	0.0	(0.0)

LAB*LAB	84.76	9.38	-6.3
LAB*LABa	84.76	9.38	-6.3
LAB*LABb	84.76	9.38	-6.3
LAB*LABc	84.76	9.38	-6.3

lab*lab	0.586	0.207	-0.139
lab*tch	0.586	0.207	-0.139
lab*nch	0.25	0.25	0.906

lab*trj	0.586	0.207	-0.139
lab*tce	0.25	0.25	0.869
lab*nce	0.25	0.25	0.869

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)

LAB*LAB	78.33	9.38	-6.3
LAB*LABa	78.33	9.38	-6.3
LAB*LABb	78.33	9.38	-6.3
LAB*LABc	78.33	9.38	-6.3

lab*lab	0.336	0.207	-0.139
lab*tch	0.336	0.207	-0.139
lab*nch	0.25	0.25	0.906

lab*trj	0.336	0.207	-0.139
lab*tce	0.25	0.25	0.869
lab*nce	0.25	0.25	0.869

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)

LAB*LAB	86.95	18.76	-12.61
LAB*LABa	86.95	18.76	-12.61
LAB*LABb	86.95	18.76	-12.61
LAB*LABc	86.95	18.76	-12.61

lab*lab	0.671	0.415	-0.278
lab*tch	0.671	0.415	-0.278
lab*nch	0.5	0.5	0.906

lab*trj	0.671	0.415	-0.278
lab*tce	0.5	0.5	0.869
lab*nce	0.5	0.5	0.869

olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

LAB*LAB	80.53	18.76	-12.61
LAB*LABa	80.53	18.76	-12.61
LAB*LABb	80.53	18.76	-12.61
LAB*LABc	80.53	18.76	-12.61

lab*lab	0.421	0.415	-0.278
lab*tch	0.421	0.415	-0.278
lab*nch	0.5	0.5	0.906

lab*trj	0.421	0.415	-0.278
lab*tce	0.5	0.5	0.869
lab*nce	0.5	0.5	0.869

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

LAB*LAB	74.1	18.76	-12.61
LAB*LABa	74.1	18.76	-12.61
LAB*LABb	74.1	18.76	-12.61
LAB*LABc	74.1	18.76	-12.61

lab*lab	0.171	0.415	-0.278
lab*tch	0.171	0.415	-0.278
lab*nch	0.5	0.5	0.906

lab*trj	0.171	0.415	-0.278
lab*tce	0.5	0.5	0.869
lab*nce	0.5	0.5	0.869

olvi3*	1.0	0.25	1.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

LAB*LAB	82.73	28.14	-18.92
LAB*LABa	82.73	28.14	-18.92
LAB*LABb	82.73	28.14	-18.92
LAB*LABc	82.73	28.14	-18.92

lab*lab	0.507	0.622	-0.418
lab*tch	0.507	0.622	-0.418
lab*nch	0.5	0.75	0.906

lab*trj	0.507	0.622	-0.418
lab*tce	0.5	0.75	0.869
lab*nce	0.5	0.75	0.869

olvi3*	0.75	0.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

LAB*LAB	78.5	28.14	-18.92
LAB*LABa	78.5	28.14	-18.92
LAB*LABb	78.5	28.14	-18.92
LAB*LABc	78.5	28.14	-18.92

lab*lab	0.257	0.622	-0.418
lab*tch	0.257	0.622	-0.418
lab*nch	0.5	0.75	0.906

lab*trj	0.257	0.622	-0.418
lab*tce	0.5	0.75	0.869
lab*nce	0.5	0.75	0.869

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

LAB*LAB	74.1	18.76	-12.61
LAB*LABa	74.1	18.76	-12.61
LAB*LABb	74.1	18.76	-12.61
LAB*LABc	74.1	18.76	-12.61

lab*lab	0.171	0.415
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Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

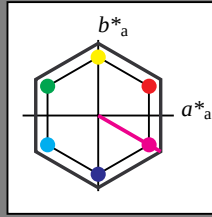
D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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	-0.98	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*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	-		

0,75

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	0.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.06	-0.61	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*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	-		

0,50

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	0.5	(0.0)
cmyn4*	0.0	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.71	-0.24	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*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	-		

0,25

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	0.25	(0.0)
cmyn4*	0.0	0.0	0.0	0.75	(0.0)
standard and adapted CIELAB					
LAB*LAB	37.36	-0.13	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*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	-		

0,00

relative Inform. Technology (IT)					
olvi3*	0.0	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	1.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47		
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*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	-		

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

olvi3*

cmyn3*

olvi4*

cmyn4*

standard and adapted CIELAB

LAB*LAB

LAB*LABa

LAB*TCHa

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

relative Natural Colour (NC)

lab*trj

lab*nce

relative Inform. Technology (IT)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

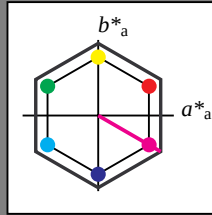
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

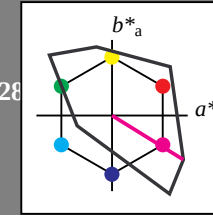
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 328/360 = 0.912 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

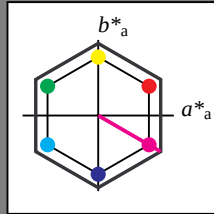
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

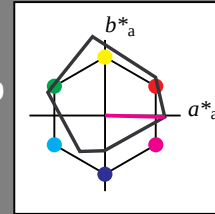
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 359/360 = 0.996 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

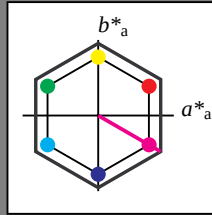
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

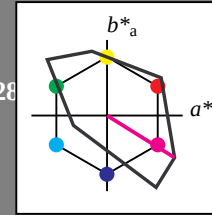
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.911 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

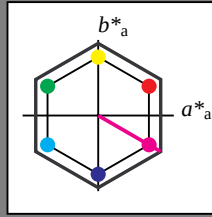
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

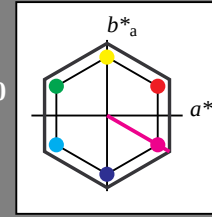
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

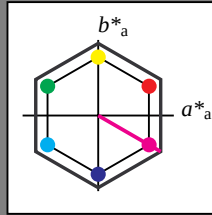
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness

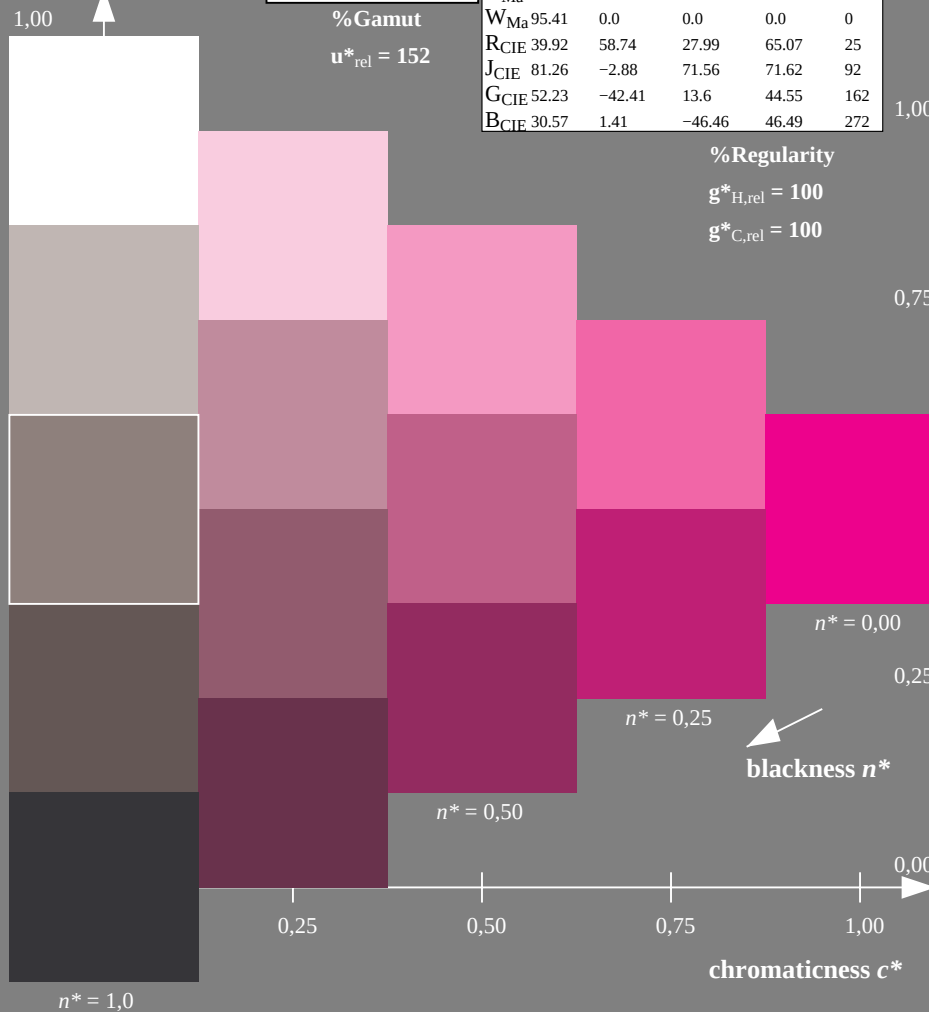


NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

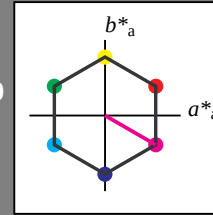
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness

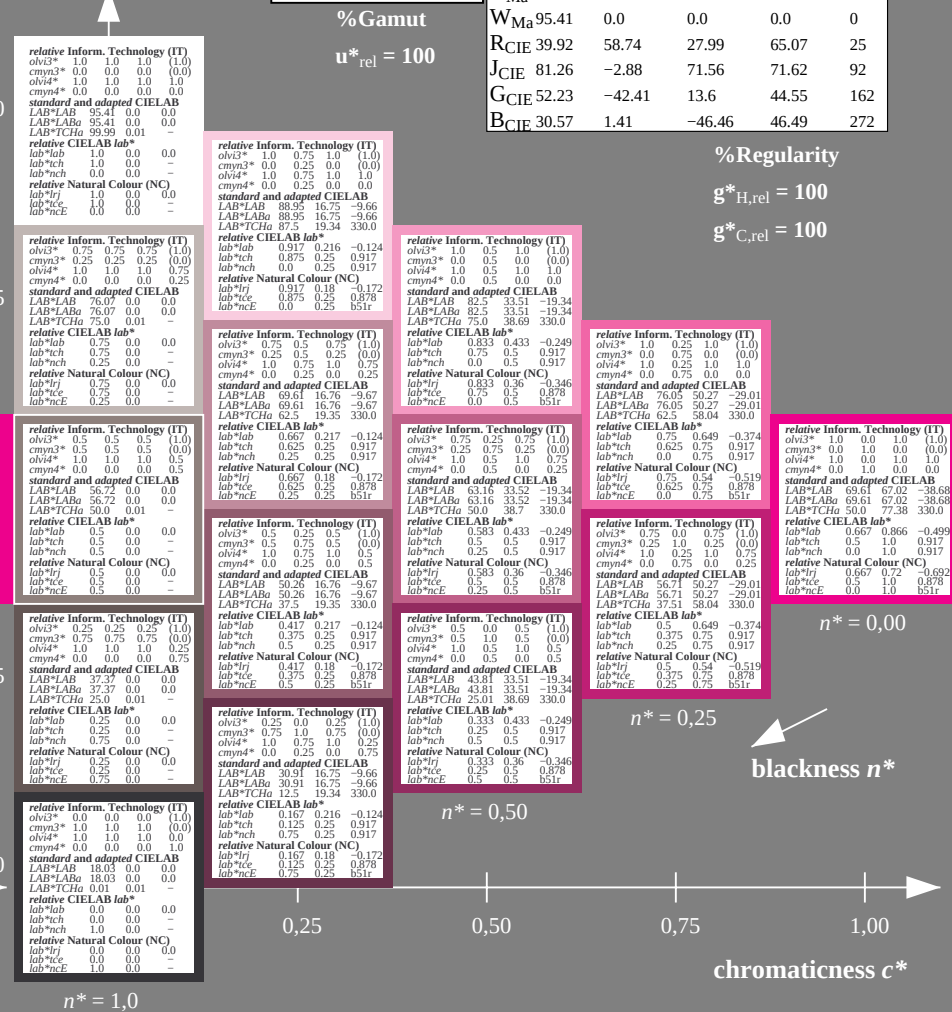


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

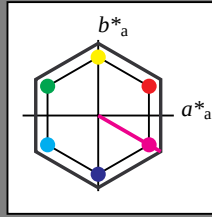
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

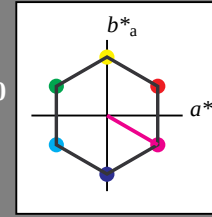
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

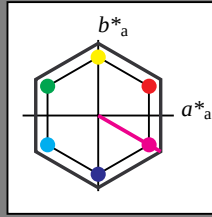
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

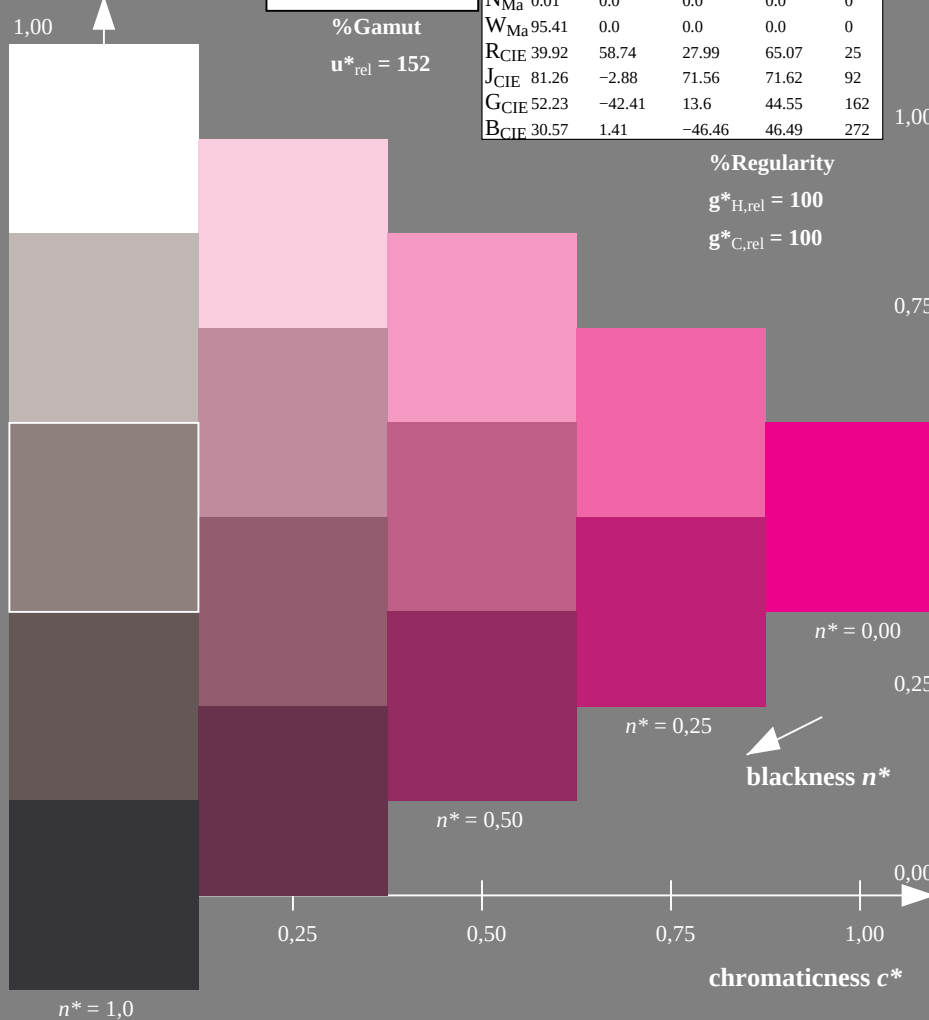
$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

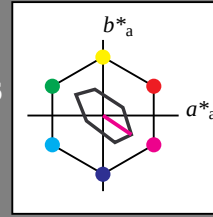
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

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	0.0	
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	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*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	0.75	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*LABb	88.98	0.0	0.0		
LAB*LABc	88.98	0.0	0.0		
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	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
LAB*LABb	82.56	0.0	0.0		
LAB*LABc	82.56	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*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	0.25	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*LABb	76.13	0.0	0.0		
LAB*LABc	76.13	0.0	0.0		
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*	0.0	0.0	0.0	(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	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*LABb	69.7	0.0	0.0		
LAB*LABc	69.7	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	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*tce	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*	0.0	0.0	0.0	(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	63.61	0.0	0.0		
LAB*LABa	63.61	0.0	0.0		
LAB*LABb	63.61	0.0	0.0		
LAB*LABc	63.61	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	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*tce	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*	0.0	0.0	0.0	(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	63.61	0.0	0.0		
LAB*LABa	63.61	0.0	0.0		
LAB*LABb	63.61	0.0	0.0		
LAB*LABc	63.61	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	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*tce	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*	0.0	0.0	0.0	(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	63.61	0.0	0.0		
LAB*LABa	63.61	0.0	0.0		
LAB*LABb	63.61	0.0	0.0		
LAB*LABc	63.61	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	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*tce	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*	0.0	0.0	0.0	(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	63.61	0.0	0.0		
LAB*LABa	63.61	0.0	0.0		
LAB*LABb	63.61	0.0	0.0		
LAB*LABc	63.61	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	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*tce	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*	0.0	0.0	0.0	(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	63.61	0.0	0.0		
LAB*LABa	63.61	0.0	0.0		
LAB*LABb	63.61	0.0	0.0		
LAB*LABc	63.61	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	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*tce	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*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

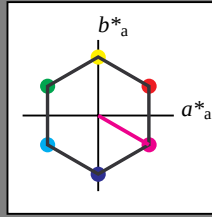
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

ol*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

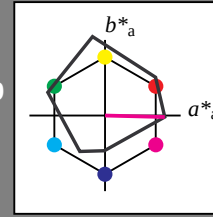
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 359/360 = 0.996 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

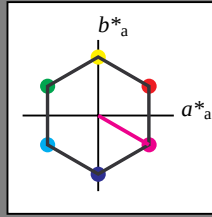
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

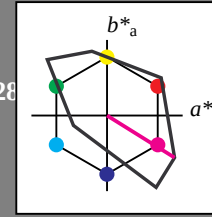
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.911 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

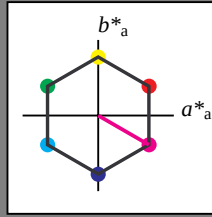
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

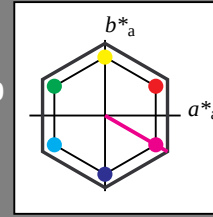
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 152$

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	71.57	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0
LAB*LABb	71.57	0.0	0.0	0.0	0.0
LAB*LABc	71.57	0.0	0.0	0.0	0.0
LAB*LABd	71.57	0.0	0.0	0.0	0.0
LAB*LABe	71.57	0.0	0.0	0.0	0.0
LAB*LABf	71.57	0.0	0.0	0.0	0.0
LAB*LABg	71.57	0.0	0.0	0.0	0.0
LAB*LABh	71.57	0.0	0.0	0.0	0.0
LAB*LABi	71.57	0.0	0.0	0.0	0.0
LAB*LABj	71.57	0.0	0.0	0.0	0.0
LAB*LABk	71.57	0.0	0.0	0.0	0.0
LAB*LABl	71.57	0.0	0.0	0.0	0.0
LAB*LABm	71.57	0.0	0.0	0.0	0.0
LAB*LABn	71.57	0.0	0.0	0.0	0.0
LAB*LABo	71.57	0.0	0.0	0.0	0.0
LAB*LABp	71.57	0.0	0.0	0.0	0.0
LAB*LABq	71.57	0.0	0.0	0.0	0.0
LAB*LABr	71.57	0.0	0.0	0.0	0.0
LAB*LABs	71.57	0.0	0.0	0.0	0.0
LAB*LABt	71.57	0.0	0.0	0.0	0.0
LAB*LABu	71.57	0.0	0.0	0.0	0.0
LAB*LABv	71.57	0.0	0.0	0.0	0.0
LAB*LABw	71.57	0.0	0.0	0.0	0.0
LAB*LABx	71.57	0.0	0.0	0.0	0.0
LAB*LABy	71.57	0.0	0.0	0.0	0.0
LAB*LABz	71.57	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	47.72	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0
LAB*LABb	47.72	0.0	0.0	0.0	0.0
LAB*LABc	47.72	0.0	0.0	0.0	0.0
LAB*LABd	47.72	0.0	0.0	0.0	0.0
LAB*LABe	47.72	0.0	0.0	0.0	0.0
LAB*LABf	47.72	0.0	0.0	0.0	0.0
LAB*LABg	47.72	0.0	0.0	0.0	0.0
LAB*LABh	47.72	0.0	0.0	0.0	0.0
LAB*LABi	47.72	0.0	0.0	0.0	0.0
LAB*LABj	47.72	0.0	0.0	0.0	0.0
LAB*LABk	47.72	0.0	0.0	0.0	0.0
LAB*LABl	47.72	0.0	0.0	0.0	0.0
LAB*LABm	47.72	0.0	0.0	0.0	0.0
LAB*LABn	47.72	0.0	0.0	0.0	0.0
LAB*LABo	47.72	0.0	0.0	0.0	0.0
LAB*LABp	47.72	0.0	0.0	0.0	0.0
LAB*LABq	47.72	0.0	0.0	0.0	0.0
LAB*LABr	47.72	0.0	0.0	0.0	0.0
LAB*LABs	47.72	0.0	0.0	0.0	0.0
LAB*LABt	47.72	0.0	0.0	0.0	0.0
LAB*LABu	47.72	0.0	0.0	0.0	0.0
LAB*LABv	47.72	0.0	0.0	0.0	0.0
LAB*LABw	47.72	0.0	0.0	0.0	0.0
LAB*LABx	47.72	0.0	0.0	0.0	0.0
LAB*LABy	47.72	0.0	0.0	0.0	0.0
LAB*LABz	47.72	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	23.87	0.0	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0	0.0
LAB*LABb	23.87	0.0	0.0	0.0	0.0
LAB*LABc	23.87	0.0	0.0	0.0	0.0
LAB*LABd	23.87	0.0	0.0	0.0	0.0
LAB*LABe	23.87	0.0	0.0	0.0	0.0
LAB*LABf	23.87	0.0	0.0	0.0	0.0
LAB*LABg	23.87	0.0	0.0	0.0	0.0
LAB*LABh	23.87	0.0	0.0	0.0	0.0
LAB*LABi	23.87	0.0	0.0	0.0	0.0
LAB*LABj	23.87	0.0	0.0	0.0	0.0
LAB*LABk	23.87	0.0	0.0	0.0	0.0
LAB*LABl	23.87	0.0	0.0	0.0	0.0
LAB*LABm	23.87	0.0	0.0	0.0	0.0
LAB*LABn	23.87	0.0	0.0	0.0	0.0
LAB*LABo	23.87	0.0	0.0	0.0	0.0
LAB*LABp	23.87	0.0	0.0	0.0	0.0
LAB*LABq	23.87	0.0	0.0	0.0	0.0
LAB*LABr	23.87	0.0	0.0	0.0	0.0
LAB*LABs	23.87	0.0	0.0	0.0	0.0
LAB*LABt	23.87	0.0	0.0	0.0	0.0
LAB*LABu	23.87	0.0	0.0	0.0	0.0
LAB*LABv	23.87	0.0	0.0	0.0	0.0
LAB*LABw	23.87	0.0	0.0	0.0	0.0
LAB*LABx	23.87	0.0	0.0	0.0	0.0
LAB*LABy	23.87	0.0	0.0	0.0	0.0
LAB*LABz	23.87	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	0.03	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0
LAB*LABb	0.03	0.0	0.0	0.0	0.0
LAB*LABc	0.03	0.0	0.0	0.0	0.0
LAB*LABd	0.03	0.0	0.0	0.0	0.0
LAB*LABe	0.03	0.0	0.0	0.0	0.0
LAB*LABf	0.03	0.0	0.0	0.0	0.0
LAB*LABg	0.03	0.0	0.0	0.0	0.0
LAB*LABh	0.03	0.0	0.0	0.0	0.0
LAB*LABi	0.03	0.0	0.0	0.0	0.0
LAB*LABj	0.03	0.0	0.0	0.0	0.0
LAB*LABk	0.03	0.0	0.0	0.0	0.0
LAB*LABl	0.03	0.0	0.0	0.0	0.0
LAB*LABm	0.03	0.0	0.0	0.0	0.0
LAB*LABn	0.03	0.0	0.0	0.0	0.0
LAB*LABo	0.03	0.0	0.0	0.0	0.0
LAB*LABp	0.03	0.0	0.0	0.0	0.0
LAB*LABq	0.03	0.0	0.0	0.0	0.0
LAB*LABr	0.03	0.0	0.0	0.0	0.0
LAB*LABs	0.03	0.0	0.0	0.0	0.0
LAB*LABt	0.03	0.0	0.0	0.0	0.0
LAB*LABu	0.03	0.0	0.0	0.0	0.0
LAB*LABv	0.03	0.0	0.0	0.0	0.0
LAB*LABw	0.03	0.0	0.0	0.0	0.0
LAB*LABx	0.03	0.0	0.0	0.0	0.0
LAB*LABy	0.03	0.0	0.0	0.0	0.0
LAB*LABz	0.03	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

NLS00; adapted (a) CIELAB data						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
ε _a	O _{Ma}	31.81	82.62	47.7	95.4	30
	Y _{Ma}	63.61	0.0	95.4	95.4	90
	L _{Ma}	31.81	-82.61	47.7	95.4	150
	C _{Ma}	63.61	-82.61	-47.69	95.4	210
	V _{Ma}	31.81	0.0	-95.39	95.4	270
	M _{Ma}	63.61	82.62	-47.69	95.4	330
	N _{Ma}	0.01	0.0	0.0	0.0	0
	W _{Ma}	95.41	0.0	0.0	0.0	0
	R _{CIE}	39.92	58.74	27.99	65.07	25
	J _{CIE}	81.26	-2.88	71.56	71.62	92
	G _{CIE}	52.23	-42.41	13.6	44.55	162
	B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

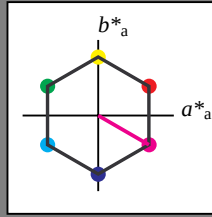
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

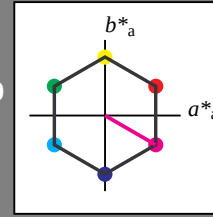
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

$$n^* = 1,0$$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

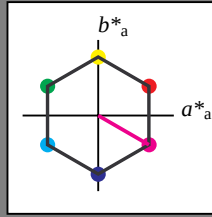
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

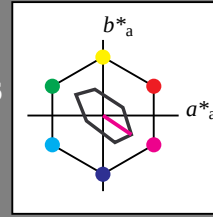
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 326/360 = 0.906 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	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 -0.98 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*lab 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*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

Output: Colorimetric Offset 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

ol*Ma: 1.0 0.0 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^*

triangle lightness

%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^*

triangle lightness

%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^*

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

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

LAB*LABa 71.77 37.63 -4.17

LAB*TCHa 75.0 37.86 353.66

relative CIELAB lab*

lab*lab 0.695 0.497 -0.054

lab*lab 0.695 0.497 -0.054

lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

lab*trj 0.695 0.454 -0.208

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

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blackness n^*

blackness n^*

blackness n^*

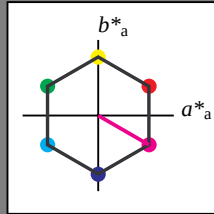
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

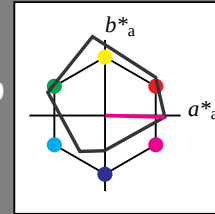
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

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blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 359/360 = 0.996 (right)

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

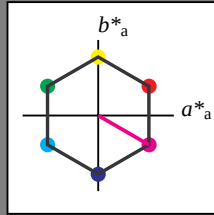
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

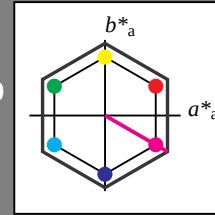
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

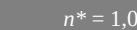
$n^* = 1,00$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)


$$n^* = 1,0$$


Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

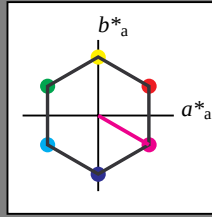
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

blackness n^*

$n^* = 0.25$

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

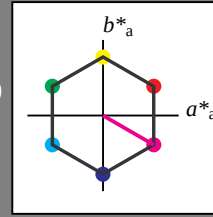
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

blackness n^*

$n^* = 0.25$

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

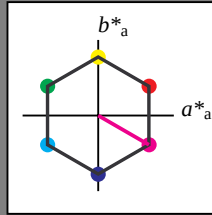
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

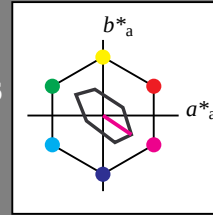
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 326/360 = 0.906 (right)

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	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	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	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	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*TCHa	75.0	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	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
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	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	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*TCHa	25.0	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	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*TCHa	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*	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	91.18	9.38	-6.3		
LAB*LABa	91.18	9.38	-6.3		
LAB*TCHa	87.5	11.3	326.07		
relative CIELAB lab*					
lab*lab	0.836	0.207	-0.138		
lab*tch	0.875	0.25	0.906		
lab*nch	0.0	0.25	0.906		
relative Natural Colour (NC)					
lab*trj	0.836	0.17	-0.182		
lab*tce	0.875	0.25	0.869		
lab*nce	0.0	0.25	0.477		

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	84.76	9.38	-6.3		
LAB*LABa	84.76	9.38	-6.3		
LAB*TCHa	87.5	11.3	326.07		
relative CIELAB lab*					
lab*lab	0.586	0.207	-0.139		
lab*tch	0.625	0.25	0.906		
lab*nch	0.25	0.25	0.906		
relative Natural Colour (NC)					
lab*trj	0.586	0.17	-0.182		
lab*tce	0.625	0.25	0.869		
lab*nce	0.25	0.25	0.477		

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	80.53	18.76	-12.61		
LAB*LABa	80.53	18.76	-12.61		
LAB*TCHa	50.0	22.61	326.07		
relative CIELAB lab*					
lab*lab	0.421	0.415	-0.278		
lab*tch	0.421	0.5	0.906		
lab*nch	0.25	0.5	0.906		
relative Natural Colour (NC)					
lab*trj	0.421	0.341	-0.365		
lab*tce	0.5	0.5	0.869		
lab*nce	0.25	0.5	0.477		

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	0.25
cmyn4*	0.0	0.25	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	71.9	9.38	-6.3	
LAB*LABa	71.9	9.38	-6.3	
LAB*TCa	12.5	11.3	326.07	
relative CIELAB lab*				
lab*lab	0.086	0.207	-0.138	
lab*tch	0.125	0.25	0.906	
lab*nch	0.75	0.25	0.906	
relative Natural Colour (NC)				
lab*trj	0.086	0.17	-0.182	
lab*tce	0.125	0.25	0.869	
lab*nch	0.75	0.25	0.869	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

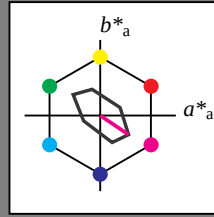
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness



	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

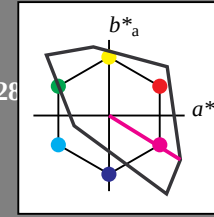
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.912 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

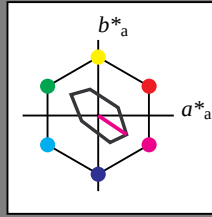
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

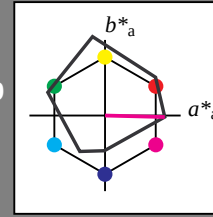
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

ol*Ma: 1.0 0.0 1.0

triangle lightness



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 359/360 = 0.996 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

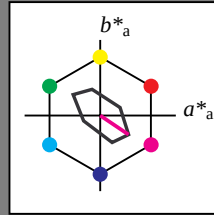
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

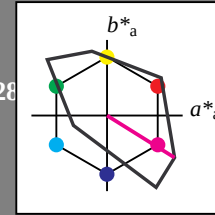
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

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	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
LAB*LAB	76.43	26.27	10.57	28.32	22
LAB*LABa	76.43	26.27	10.57	28.32	22
LAB*LABb	76.43	26.27	10.57	28.32	22
LAB*TCha	76.43	26.27	10.57	28.32	22
LAB*TChb	76.43	26.27	10.57	28.32	22

relative CIELAB lab*					
	lab^*lab	lab^*labch	$lab^*labnch$	lab^*tch	lab^*nce
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*labch	0.75	0.0	0.0	0.0	0.0
lab*labnch	0.75	0.0	0.0	0.0	0.0
lab*tch	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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
LAB*LAB	76.43	26.27	10.57	28.32	22
LAB*LABa	76.43	26.27	10.57	28.32	22
LAB*LABb	76.43	26.27	10.57	28.32	22
LAB*TCha	76.43	26.27	10.57	28.32	22
LAB*TChb	76.43	26.27	10.57	28.32	22

relative CIELAB lab*					
	lab^*lab	lab^*labch	$lab^*labnch$	lab^*tch	lab^*nce
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*labch	0.5	0.0	0.0	0.0	0.0
lab*labnch	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.911 (right)

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

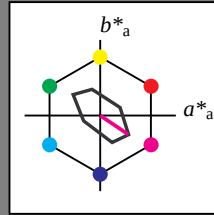
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

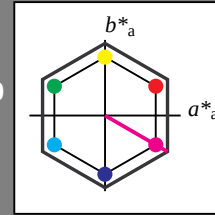
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

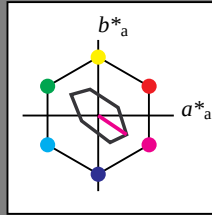
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

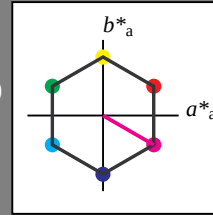
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

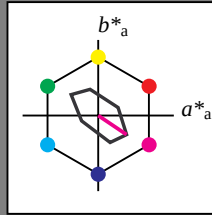
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

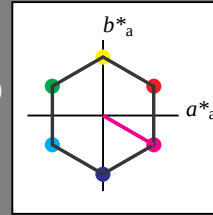
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

ol*Ma: 1.0 0.0 1.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

ol*Ma: 1.0 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

Input: Colorimetric Offset 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

olv*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

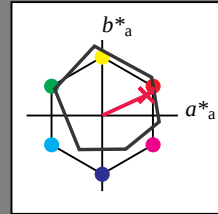
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

Output: Colorimetric Offset 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

olv*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

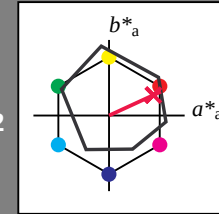
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

OE400-7, 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 Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

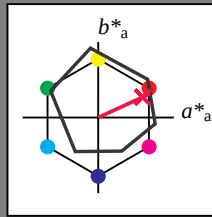
D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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		
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*trj	1.0	0.0	0.0		
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	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	0.25	(0.25)
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCHa	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*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	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	0.5	(0.5)
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	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*trj	0.5	0.0	0.0		
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	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	0.75	(0.75)
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	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	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
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	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	1.0	(1.0)
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	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	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	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 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

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0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

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5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

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0,25 0,50 0,75 1,00

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5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

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0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 158$

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

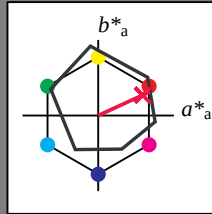
D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness

1,00



%Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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	96.31	0.0	0.0		
LAB*LABa	96.31	0.0	0.0		
LAB*LABb	96.31	0.0	0.0		
LAB*LABc	96.31	0.0	0.0		
LAB*LABd	96.31	0.0	0.0		
LAB*LABe	96.31	0.0	0.0		
LAB*LABf	96.31	0.0	0.0		
LAB*LABg	96.31	0.0	0.0		
LAB*LABh	96.31	0.0	0.0		
LAB*LABi	96.31	0.0	0.0		
LAB*LABj	96.31	0.0	0.0		
LAB*LABk	96.31	0.0	0.0		
LAB*LABl	96.31	0.0	0.0		
LAB*LABm	96.31	0.0	0.0		
LAB*LABn	96.31	0.0	0.0		
LAB*LABo	96.31	0.0	0.0		
LAB*LABp	96.31	0.0	0.0		
LAB*LABq	96.31	0.0	0.0		
LAB*LABr	96.31	0.0	0.0		
LAB*LABs	96.31	0.0	0.0		
LAB*LABt	96.31	0.0	0.0		
LAB*LABu	96.31	0.0	0.0		
LAB*LABv	96.31	0.0	0.0		
LAB*LABw	96.31	0.0	0.0		
LAB*LABx	96.31	0.0	0.0		
LAB*LABy	96.31	0.0	0.0		
LAB*LABz	96.31	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	76.38	0.0	0.0		
LAB*LABa	76.38	0.0	0.0		
LAB*LABb	76.38	0.0	0.0		
LAB*LABc	76.38	0.0	0.0		
LAB*LABd	76.38	0.0	0.0		
LAB*LABe	76.38	0.0	0.0		
LAB*LABf	76.38	0.0	0.0		
LAB*LABg	76.38	0.0	0.0		
LAB*LABh	76.38	0.0	0.0		
LAB*LABi	76.38	0.0	0.0		
LAB*LABj	76.38	0.0	0.0		
LAB*LABk	76.38	0.0	0.0		
LAB*LABl	76.38	0.0	0.0		
LAB*LABm	76.38	0.0	0.0		
LAB*LABn	76.38	0.0	0.0		
LAB*LABo	76.38	0.0	0.0		
LAB*LABp	76.38	0.0	0.0		
LAB*LABq	76.38	0.0	0.0		
LAB*LABr	76.38	0.0	0.0		
LAB*LABs	76.38	0.0	0.0		
LAB*LABt	76.38	0.0	0.0		
LAB*LABu	76.38	0.0	0.0		
LAB*LABv	76.38	0.0	0.0		
LAB*LABw	76.38	0.0	0.0		
LAB*LABx	76.38	0.0	0.0		
LAB*LABy	76.38	0.0	0.0		
LAB*LABz	76.38	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	56.44	0.0	0.0		
LAB*LABa	56.44	0.0	0.0		
LAB*LABb	56.44	0.0	0.0		
LAB*LABc	56.44	0.0	0.0		
LAB*LABd	56.44	0.0	0.0		
LAB*LABe	56.44	0.0	0.0		
LAB*LABf	56.44	0.0	0.0		
LAB*LABg	56.44	0.0	0.0		
LAB*LABh	56.44	0.0	0.0		
LAB*LABi	56.44	0.0	0.0		
LAB*LABj	56.44	0.0	0.0		
LAB*LABk	56.44	0.0	0.0		
LAB*LABl	56.44	0.0	0.0		
LAB*LABm	56.44	0.0	0.0		
LAB*LABn	56.44	0.0	0.0		
LAB*LABo	56.44	0.0	0.0		
LAB*LABp	56.44	0.0	0.0		
LAB*LABq	56.44	0.0	0.0		
LAB*LABr	56.44	0.0	0.0		
LAB*LABs	56.44	0.0	0.0		
LAB*LABt	56.44	0.0	0.0		
LAB*LABu	56.44	0.0	0.0		
LAB*LABv	56.44	0.0	0.0		
LAB*LABw	56.44	0.0	0.0		
LAB*LABx	56.44	0.0	0.0		
LAB*LABy	56.44	0.0	0.0		
LAB*LABz	56.44	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	36.5	0.0	0.0		
LAB*LABa	36.5	0.0	0.0		
LAB*LABb	36.5	0.0	0.0		
LAB*LABc	36.5	0.0	0.0		
LAB*LABd	36.5	0.0	0.0		
LAB*LABe	36.5	0.0	0.0		
LAB*LABf	36.5	0.0	0.0		
LAB*LABg	36.5	0.0	0.0		
LAB*LABh	36.5	0.0	0.0		
LAB*LABi	36.5	0.0	0.0		
LAB*LABj	36.5	0.0	0.0		
LAB*LABk	36.5	0.0	0.0		
LAB*LABl	36.5	0.0	0.0		
LAB*LABm	36.5	0.0	0.0		
LAB*LABn	36.5	0.0	0.0		
LAB*LABo	36.5	0.0	0.0		
LAB*LABp	36.5	0.0	0.0		
LAB*LABq	36.5	0.0	0.0		
LAB*LABr	36.5	0.0	0.0		
LAB*LABs	36.5	0.0	0.0		
LAB*LABt	36.5	0.0	0.0		
LAB*LABu	36.5	0.0	0.0		
LAB*LABv	36.5	0.0	0.0		
LAB*LABw	36.5	0.0	0.0		
LAB*LABx	36.5	0.0	0.0		
LAB*LABy	36.5	0.0	0.0		
LAB*LABz	36.5	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	16.57	-1.41	2.06		
LAB*LABa	16.57	-1.41	2.06		
LAB*LABb	16.57	-1.41	2.06		
LAB*LABc	16.57	-1.41	2.06		
LAB*LABd	16.57	-1.41	2.06		
LAB*LABe	16.57	-1.41	2.06		
LAB*LABf	16.57	-1.41	2.06		
LAB*LABg	16.57	-1.41	2.06		
LAB*LABh	16.57	-1.41	2.06		
LAB*LABi	16.57	-1.41	2.06		
LAB*LABj	16.57	-1.41	2.06		
LAB*LABk	16.57	-1.41	2.06		
LAB*LABl	16.57	-1.41	2.06		
LAB*LABm	16.57	-1.41	2.06		
LAB*LABn	16.57	-1.41	2.06		
LAB*LABo	16.57	-1.41	2.06		
LAB*LABp	16.57	-1.41	2.06		
LAB*LABq	16.57	-1.41	2.06		
LAB*LABr	16.57	-1.41	2.06		
LAB*LABs	16.57	-1.41	2.06		
LAB*LABt	16.57	-1.41	2.06		
LAB*LABu	16.57	-1.41	2.06		
LAB*LABv	16.57	-1.41	2.06		
LAB*LABw	16.57	-1.41	2.06		
LAB*LABx	16.57	-1.41	2.06		
LAB*LABy	16.57	-1.41	2.06		
LAB*LABz	16.57	-1.41	2.06		

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	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		

lab*lab	0.25	0.0	0.0
lab*ch	0.25	0.0	-
lab*ch	0.75	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.25	0.0	0.0
lab*ce	0.25	0.0	-
lab*ncE	0.75	0.0	-

relative Inform. Technology (IT)			
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Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

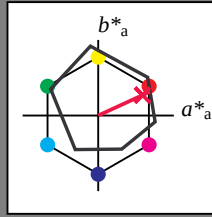
D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)					
olv3*	1.0	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olv4*	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		
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*trc	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olv4*	1.0	1.0	1.0	0.75	
cmyn4*	0.0	0.0	0.0	0.25	
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*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*trc	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olv4*	1.0	1.0	1.0	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
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*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*trc	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olv4*	1.0	1.0	1.0	0.25	
cmyn4*	0.0	0.0	0.0	0.75	
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 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*trc	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olv4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	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*trc	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25 0,50 0,75 1,00

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

relative Inform. Technology (IT)					
olv3*	1.0	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.0	0.25	(0.0)
olv4*	1.0	1.0	1.0	0.75	0.75
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	84.96	18.51	8.82		
LAB*LABa	84.96	18.51	8.82		
LAB*TCRa	87.5	20.51	25.47		
relative CIELAB lab*					
lab*lab	0.865	0.226	0.107		
lab*lab	0.875	0.25	0.071		
lab*nch	0.0	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.865	0.25	0.0		
lab*trc	0.25	0.25	1.0		
lab*nce	0.0	0.25	0.999		

relative Inform. Technology (IT)					
olv3*	0.75	0.5	0.539	(1.0)	
cmyn3*	0.25	0.5	0.465	(0.0)	
olv4*	1.0	0.75	0.785	0.75	
cmyn4*	0.0	0.25	0.215	0.25	
standard and adapted CIELAB					
LAB*LAB	65.61	18.52	8.82		
LAB*LABa	65.61	18.52	8.82		
LAB*TCRa	62.5	20.51	25.48		
relative CIELAB lab*					
lab*lab	0.615	0.226	0.108		
lab*lab	0.625	0.25	0.071		
lab*nch	0.25	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.615	0.25	0.0		
lab*trc	0.625	0.25	1.0		
lab*nce	0.25	0.25	0.999		

relative Inform. Technology (IT)					
olv3*	0.5	0.25	0.289	(1.0)	
cmyn3*	0.5	0.25	0.715	(0.0)	
olv4*	1.0	0.75	0.785	0.5	
cmyn4*	0.0	0.25	0.215	0.5	
standard and adapted CIELAB					
LAB*LAB	46.26	18.52	8.82		
LAB*LABa	46.26	18.52	8.82		
LAB*TCRa	37.5	20.51	25.48		
relative CIELAB lab*					
lab*lab	0.365	0.226	0.108		
lab*lab	0.375	0.25	0.071		
lab*nch	0.5	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.365	0.25	0.0		
lab*trc	0.375	0.25	1.0		
lab*nce	0.5	0.25	0.999		

relative Inform. Technology (IT)					
olv3*	0.25	0.0	0.035	(1.0)	
cmyn3*	0.75	1.0	0.965	(0.0)	
olv4*	1.0	0.75	0.785	0.25	
cmyn4*	0.0	0.25	0.215	0.75	
standard and adapted CIELAB					
LAB*LAB	26.92	18.51	8.83		
LAB*LABa	26.92	18.51	8.83		
LAB*TCRa	12.5	20.51	25.5		
relative CIELAB lab*					
lab*lab	0.115	0.226	0.108		
lab*lab	0.125	0.25	0.071		
lab*nch	0.75	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.115	0.25	0.0		
lab*trc	0.125	0.25	0.0		
lab*nce	0.75	0.25	0.999		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.035	(1.0)	
cmyn3*	1.0	1.0	0.965	(0.0)	
olv4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	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*trc	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.035	(1.0)	
cmyn3*	1.0	1.0	0.965	(0.0)	
olv4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0				

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

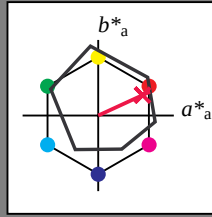
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

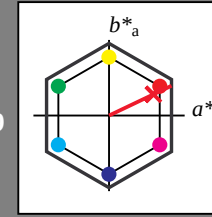
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

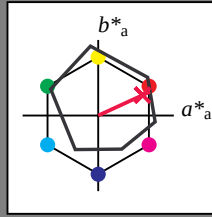
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

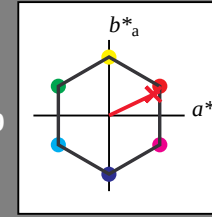
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

lab^*tch and lab^*nch

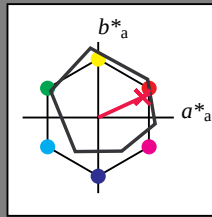
D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness

1,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.01 \ -$
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)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
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*
 $lab^*lab = 0.75 \ 0.0 \ 0.0$
 $lab^*tch = 0.75 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.75 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
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*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB = 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa = 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.0 \ 0.0$
 $lab^*tch = 0.25 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj = 0.25 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
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)
 $olv3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB = 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa = 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.0 \ 0.0$
 $lab^*tch = 0.25 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj = 0.25 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ -$
relative Natural Colour (NC)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ 0.0$
 $lab^*nce = 1.0 \ 0.0 \ -$

chromaticness c^*

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

0,25

0,50

0,75

1,00

0,25

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1,00

0,25

0,50

Input: Colorimetric Offset 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

olv*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

$n^* = 0,25$

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^*

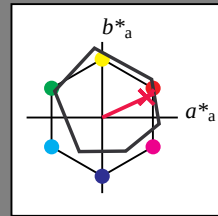
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

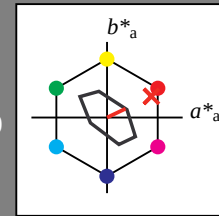
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

OE400-7, 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 Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

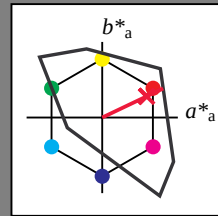
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 Offset 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

olv*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

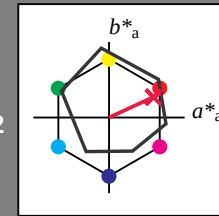
0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

OE400-7, 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 Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

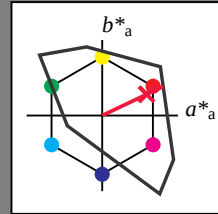
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

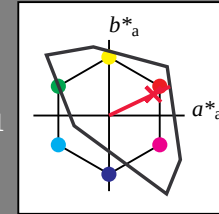
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

OE400-7, 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 Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

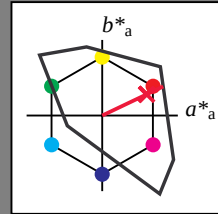
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

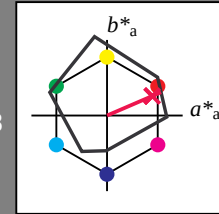
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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^*

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

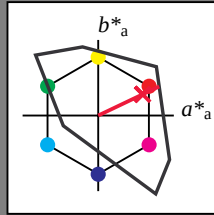
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

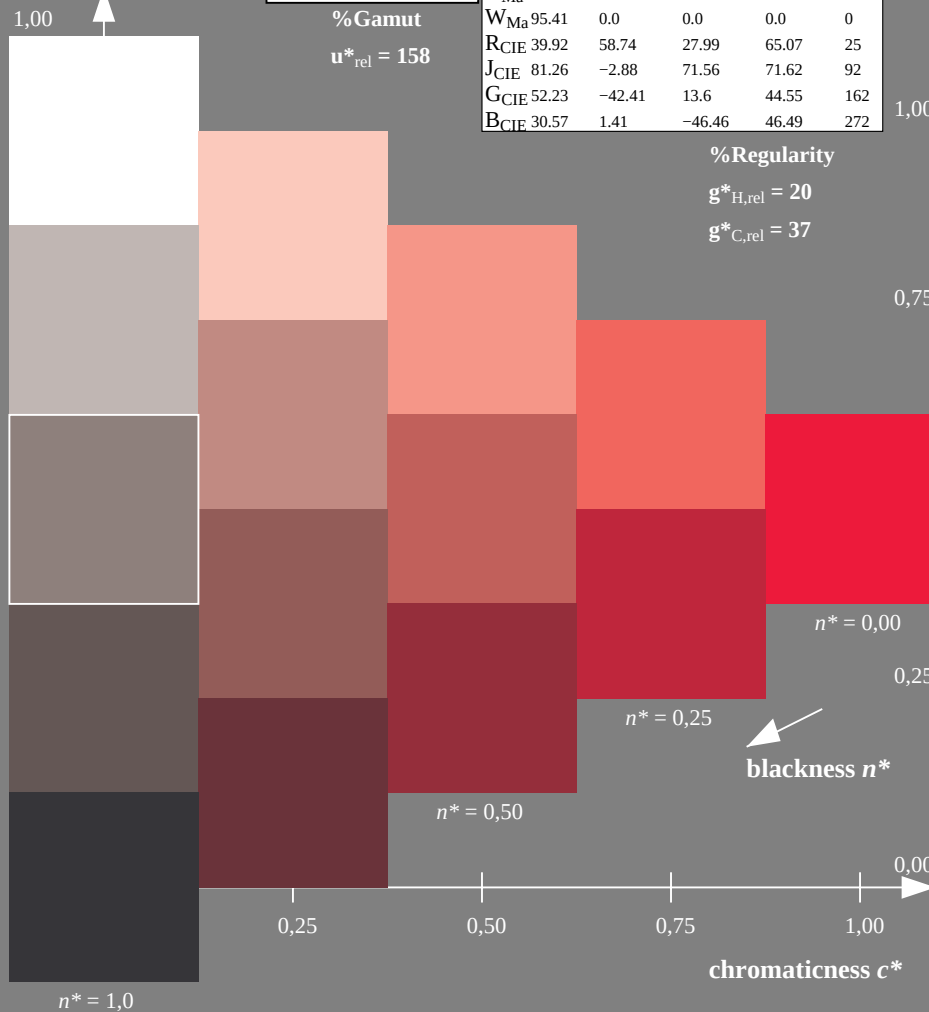


TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

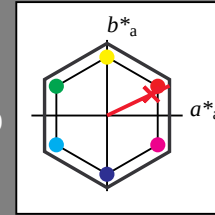
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

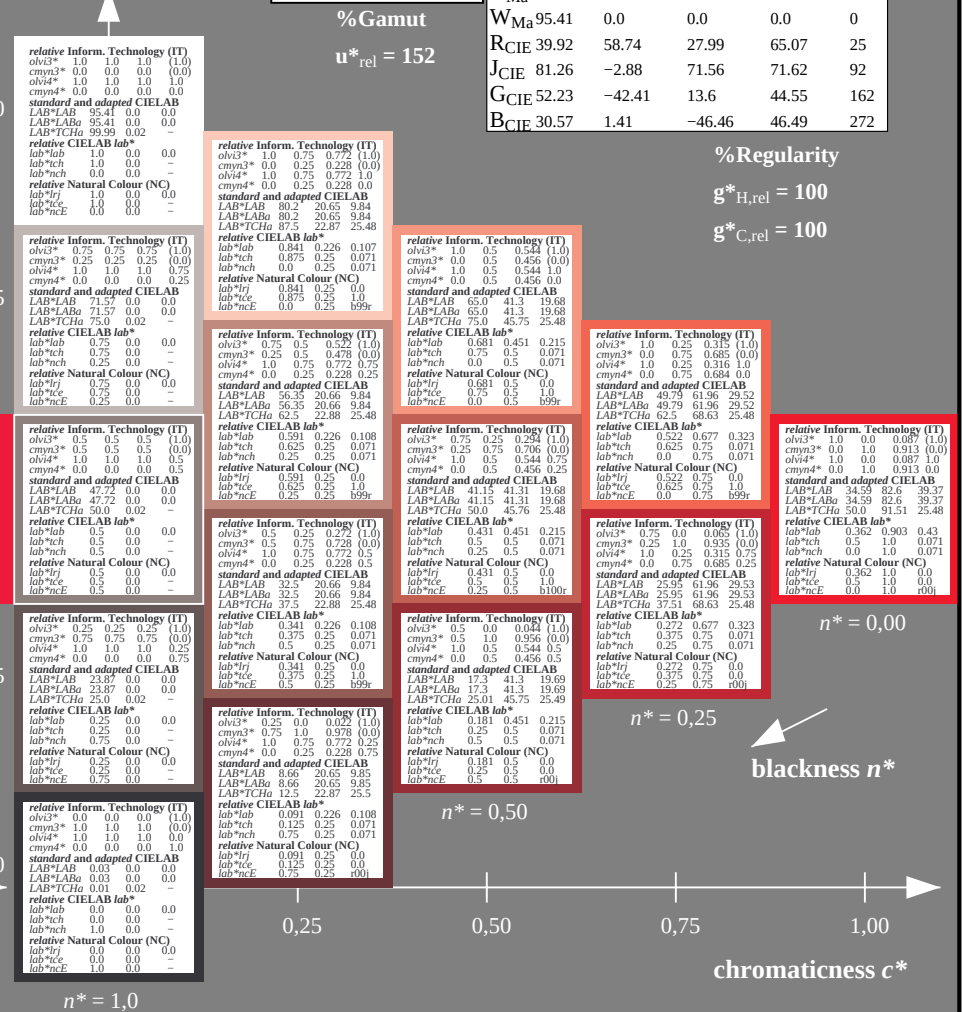


NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

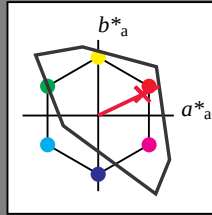
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

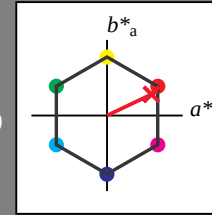
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

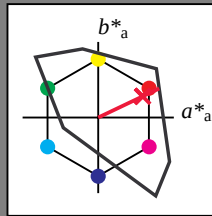
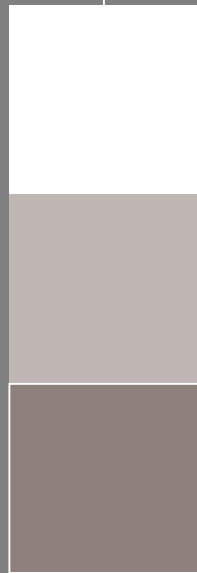
D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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		
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*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

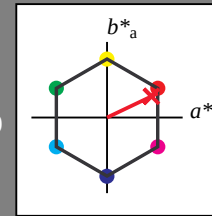
LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

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		
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*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		



% Gamut

$u^*_{rel} = 100$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.72	1.0	
cmyn3*	0.0	0.25	0.228	0.0	
olvi4*	1.0	0.75	0.72	1.0	
cmyn4*	0.0	0.25	0.228	0.0	
standard and adapted CIELAB					
LAB*LAB	85.73	16.75	7.98		
LAB*LABa	85.73	16.75	7.98		
LAB*TCHa	87.5	18.56	25.48		
relative CIELAB lab*					
lab*lab	0.875	0.226	0.107		
lab*lab	0.875	0.226	0.107		
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	0.099		
lab*nce	0.0	0.25	0.099		

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	0.25	0.316	1.0	
cmyn3*	0.0	0.75	0.684	0.0	
olvi4*	1.0	0.25	0.316	1.0	
cmyn4*	0.0	0.75	0.684	0.0	
standard and adapted CIELAB					
LAB*LAB	66.38	30.27	23.95		
LAB*LABa	66.38	30.27	23.95		
LAB*TCHa	62.5	35.68	25.48		
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*trj	0.625	0.75	0.0		
lab*nce	0.0	0.75	0.099		
lab*nce	0.0	0.75	0.099		

$n^* = 0,00$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^* </

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

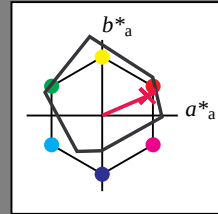
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

Output: Colorimetric Offset 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

olv*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

$n^* = 0,25$

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^*

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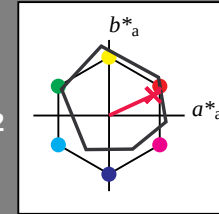
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

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blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

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$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

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$n^* = 1,0$

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

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$n^* = 1,0$

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$n^* = 1,0$

0,25

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0,75

1,00

$n^* = 1,0$

0,25

0,50

0,75

1,00

$n^* = 1,0$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

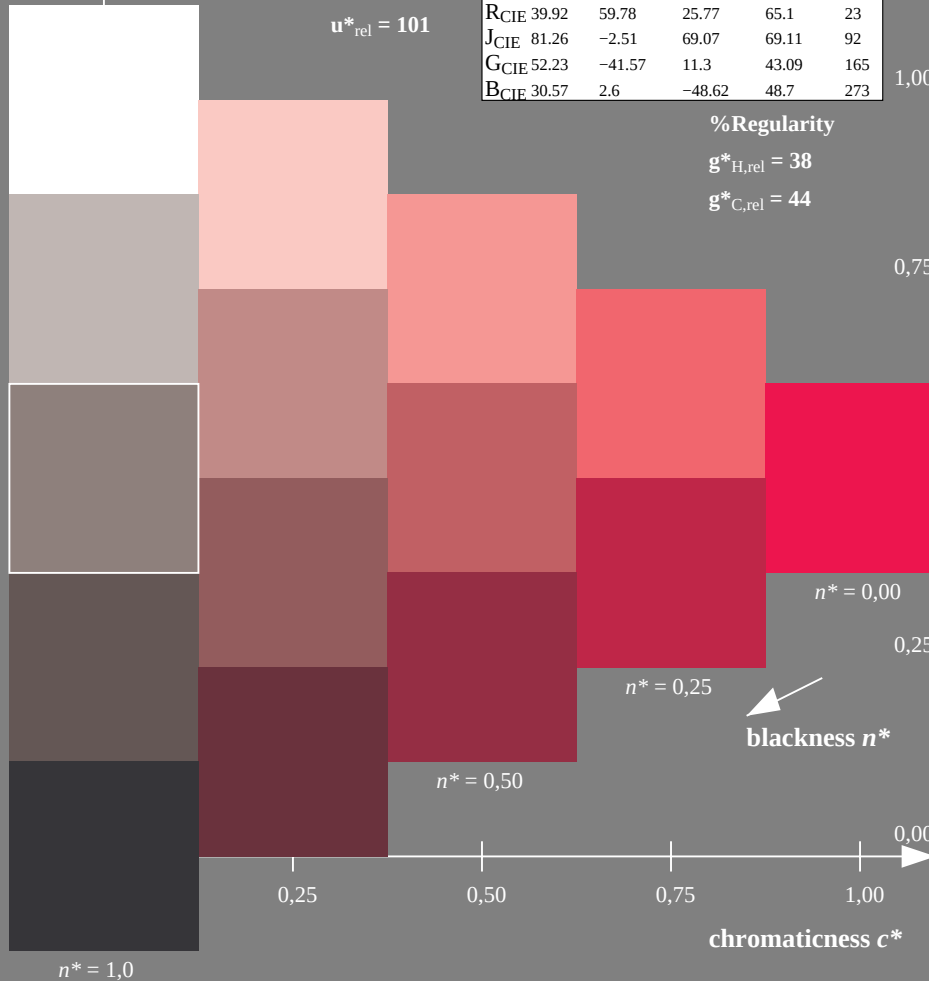
D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00



OE400-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

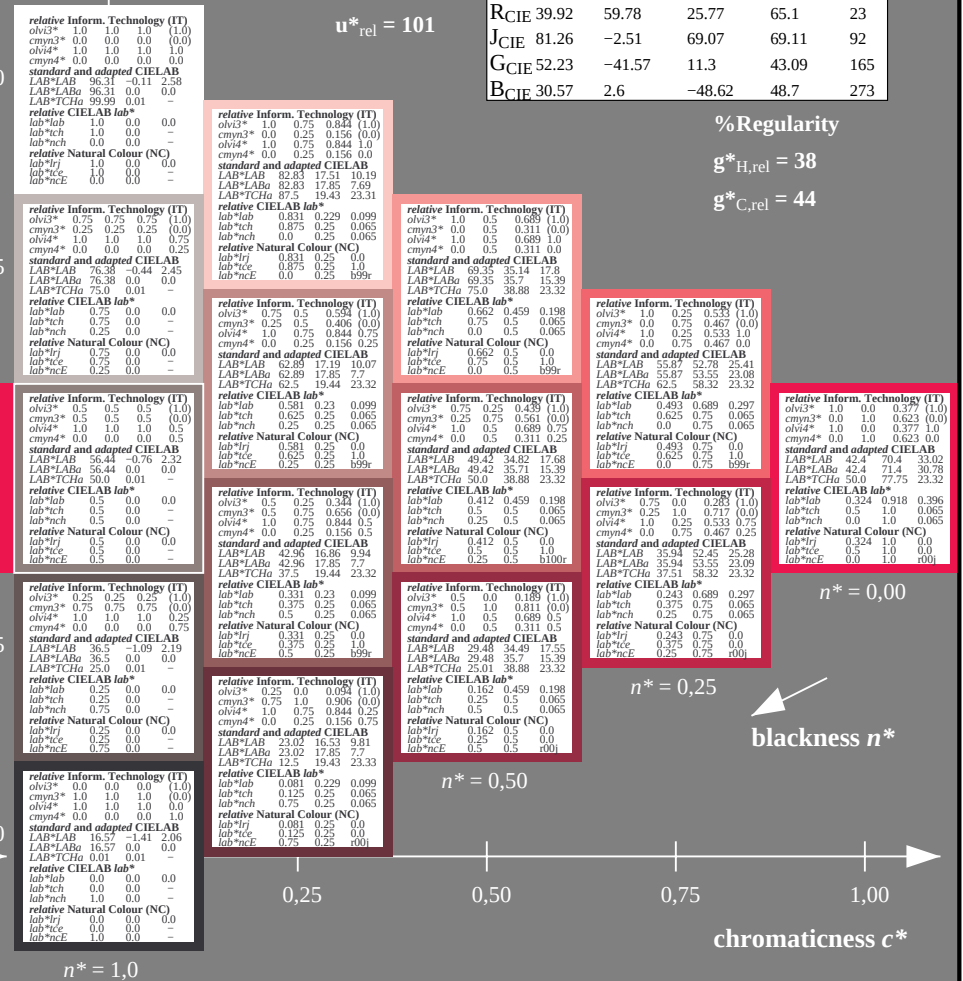
D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00



5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

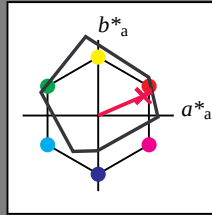
D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

relative Inform. Technology (IT)					
olv3*	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		
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	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

0,75

relative Inform. Technology (IT)					
olv3*	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	76.07	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*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	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olv3*	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	56.72	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*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	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olv3*	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	37.37	0.0	0.0		
LAB*LABa	37.37	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	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		
lab*nce	0.75	0.0	-		

relative Inform. Technology (IT)					
olv3*	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	18.03	0.0	0.0		
LAB*LABa	18.03	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	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

triangle lightness

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,50

0,25

0,00

blackness n^*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

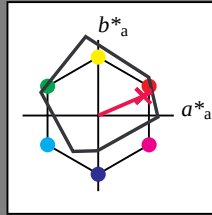
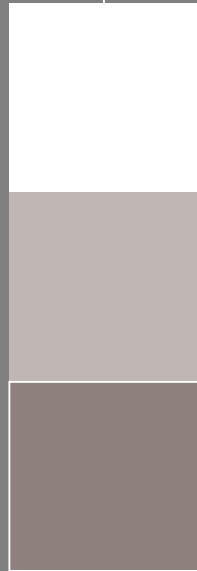
D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

relative Inform. Technology (IT)	olv3*	1.0	1.0	1.0	(1.0)
	cmyn3*	0.0	0.0	0.0	(0.0)
	olv4*	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*TCHa	99.99	0.02	-	
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)	olv3*	0.75	0.75	0.75	(1.0)
	cmyn3*	0.25	0.25	0.25	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.25)
standard and adapted CIELAB	LAB*LAB	71.57	0.0	0.0	
	LAB*LABa	71.57	0.0	0.0	
	LAB*TCHa	75.0	0.02	-	
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	-	

0,75

relative Inform. Technology (IT)	olv3*	0.5	0.5	0.5	(1.0)
	cmyn3*	0.5	0.5	0.5	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.5)
standard and adapted CIELAB	LAB*LAB	47.72	0.0	0.0	
	LAB*LABa	47.72	0.0	0.0	
	LAB*TCHa	50.0	0.02	-	
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)	olv3*	0.25	0.25	0.25	(1.0)
	cmyn3*	0.75	0.75	0.75	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.75)
standard and adapted CIELAB	LAB*LAB	23.87	0.0	0.0	
	LAB*LABa	23.87	0.0	0.0	
	LAB*TCHa	25.0	0.02	-	
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	-	

0,25

relative Inform. Technology (IT)	olv3*	0.0	0.0	0.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(1.0)
standard and adapted CIELAB	LAB*LAB	0.03	0.0	0.0	
	LAB*LABa	0.03	0.0	0.0	
	LAB*TCHa	0.01	0.02	-	
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	-	

0,00

relative Inform. Technology (IT)	olv3*	0.0	0.0	0.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(1.0)
standard and adapted CIELAB	LAB*LAB	0.03	0.0	0.0	
	LAB*LABa	0.03	0.0	0.0	
	LAB*TCHa	0.01	0.02	-	
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	-	

0,00

chromaticness c^*

$n^* = 1,0$

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

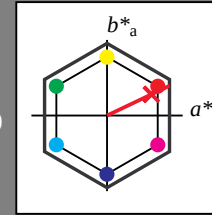
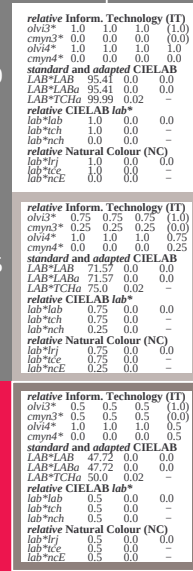
D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)	olv3*	1.0	0.75	0.72	(1.0)
	cmyn3*	0.0	0.25	0.228	(0.0)
	olv4*	1.0	0.75	0.72	(1.0)
	cmyn4*	0.0	0.25	0.228	(0.0)
standard and adapted CIELAB	LAB*LAB	80.2	20.65	9.84	
	LAB*LABa	80.2	20.65	9.84	
	LAB*TCHa	87.5	22.87	25.48	
relative CIELAB lab*	lab*lab	0.841	0.226	0.107	
	lab*ch	0.875	0.25	0.071	
	lab*nch	0.0	0.25	0.071	
relative Natural Colour (NC)	lab*trj	0.841	0.25	0.0	
	lab*nce	0.875	0.25	0.0	
	lab*nce	0.0	0.25	0.999	
relative Inform. Technology (IT)	olv3*	0.75	0.5	0.522	(1.0)
	cmyn3*	0.25	0.5	0.478	(0.0)
	olv4*	1.0	0.75	0.72	(1.0)
	cmyn4*	0.0	0.25	0.228	(0.25)
standard and adapted CIELAB	LAB*LAB	56.35	20.66	9.84	
	LAB*LABa	56.35	20.66	9.84	
	LAB*TCHa	62.5	22.88	25.48	
relative CIELAB lab*	lab*lab	0.591	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	0.591	0.25	0.0	
	lab*nce	0.625	0.25	0.0	
	lab*nce	0.25	0.25	0.999	

relative Inform. Technology (IT)	olv3*	0.5	0.25	0.272	(1.0)
	cmyn3*	0.5	0.25	0.278	(0.0)
	olv4*	1.0	0.75	0.72	(1.0)
	cmyn4*	0.0	0.25	0.228	(0.5)
standard and adapted CIELAB	LAB*LAB	32.5	20.66	9.84	
	LAB*LABa	32.5	20.66	9.84	
	LAB*TCHa	37.5	22.88	25.48	
relative CIELAB lab*	lab*lab	0.341	0.226	0.108	
	lab*ch	0.375	0.25	0.071	
	lab*nch	0.5	0.25	0.071	
relative Natural Colour (NC)	lab*trj	0.341	0.25	0.0	
	lab*nce	0.375	0.25	0.0	
	lab*nce	0.5	0.25	0.999	

relative Inform. Technology (IT)	olv3*	0.25	0.0	0.022	(1.0)
	cmyn3*	0.75	1.0	0.978	(0.0)
	olv4*	1.0	0.75	0.72	(1.0)
	cmyn4*	0.0	0.25	0.228	(0.75)
standard and adapted CIELAB	LAB*LAB	8.66	20.65	9.85	
	LAB*LABa	8.66	20.65	9.85	
	LAB*TCHa	12.5	22.87	25.5	
relative CIELAB lab*	lab*lab	0.091	0.226	0.108	
	lab*ch	0.125	0.25	0.071	
	lab*nch	0.75	0.25	0.071	
relative Natural Colour (NC)	lab*trj	0.091	0.25	0.0	
	lab*nce	0.125	0.25	0.0	
	lab*nce	0.75	0.25	0.999	

relative Inform. Technology (IT)	olv3*	0.0	0.0	0.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(1.0)
standard and adapted CIELAB	LAB*LAB	0.03	0.0	0.0	
	LAB*LABa	0.03	0.0	0.0	
	LAB*TCHa	0.01	0.02	-	
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	-	

0,25

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olv3*	1.0	0.75	0.72	0.72	(1.0)
cmyn3*	0.0	0.25	0.28	0.28	(0.0)
olv4*	1.0	0.75	0.72	0.72	(1.0)
cmyn4*	0.0	0.25	0.28	0.28	(0.0)
standard and adapted CIELAB					
LAB*LAB	65.0	41.3	19.68	9.84	
LAB*LABa	80.2	20.65	9.84	14.86	
LAB*TCHa	87.5	22.87	25.48	15.48	
relative CIELAB lab*					
lab*lab	0.841	0.226	0.108	0.108	
lab*ch	0.875	0.25	0.071	0.071	
lab*nch	0.0	0.25	0.071	0.071	
relative Natural Colour (NC)					
lab*trj	0.841	0.25	0.0	0.0	
lab*nce	0.875	0.25	0.0	0.0	
lab*nce	0.0	0.25	0.999	0.999	
relative Inform. Technology (IT)					
olv3*	0.75	0.5	0.522	0.522	(1.0)
cmyn3*	0.25	0.5	0.478	0.478	(0.0)
olv4*	1.0	0.5	0.522	0.522	(1.0)
cmyn4*	0.0	0.25	0.28	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.35	20.65	9.84	14.86	
LAB*LABa	56.35	20.65	9.84	14.86	
LAB*TCHa	62.5	22.88	25.48	15.48	
relative CIELAB lab*					
lab*lab	0.591	0.226	0.108	0.108	
lab*ch	0.625	0.25	0.071	0.071	
lab*nch	0.0	0.25	0.071	0.071	
relative Natural Colour (NC)					
lab*trj	0.591	0.25	0.0	0.0	
lab*nce	0.625	0.25	0.0	0.0	
lab*nce	0.0	0.25	0.999	0.999	
relative Inform. Technology (IT)					
olv3*	0.5	0.25	0.272	0.272	(1.0)
cmyn3*	0.5	0.75	0.728	0.728	(0.0)
olv4*	1.0	0.5	0.272	0.272	(1.0)
cmyn4*	0.0	0.25	0.28	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	32.5	20.65	9.84	14.86	
LAB*LABa	32.5	20.65	9.84	14.86	
LAB*TCHa	32.5	22.88	25.48	15.48	
relative CIELAB lab*					
lab*lab	0.391	0.226	0.108	0.108	
lab*ch	0.391	0.25	0.071	0.071	
lab*nch	0.0	0.25	0.071	0.071	
relative Natural Colour (NC)					
lab*trj	0.391	0.25	0.0	0.0	
lab*nce	0.391	0.25	0.0	0.0	
lab*nce	0.0	0.25	0.999	0.999	

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

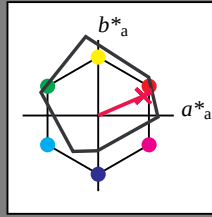
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

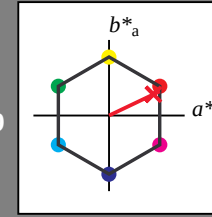
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

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

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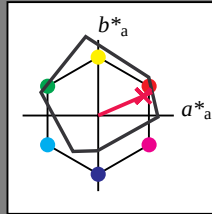
0,00

0,00

0,00

0,00

0,00



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

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

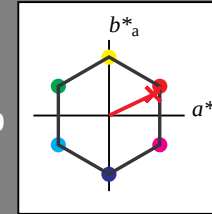
0,00

0,00

0,00

0,00

0,00



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

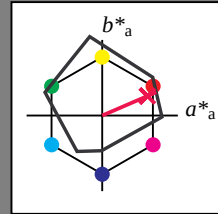
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

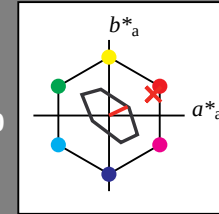
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

OE400-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

triangle lightness

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

0,25

0,50

0,75

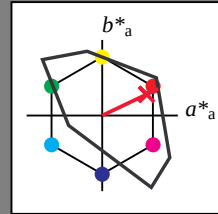
1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

triangle lightness

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

Output: Colorimetric Offset 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

olv*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^*

triangle lightness

%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

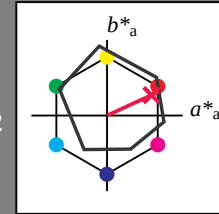
1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

triangle lightness

%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^*

OE400-7, 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 Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

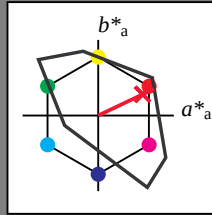
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



% Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

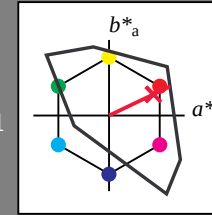
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness



% Gamut

$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

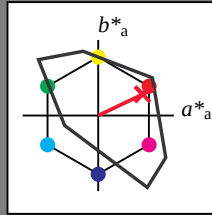
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

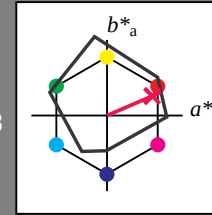
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness



%Gamut

$u^*_{rel} = 101$

1,00

0,75

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

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	96.31	0.0	0.0	0.0	
LAB*LABa	96.31	0.0	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	76.38	0.0	0.0	0.0	
LAB*LABa	76.38	0.0	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*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	62.89	0.0	0.0	0.0	
LAB*LABa	62.89	0.0	0.0	0.0	
LAB*TCRa	62.5	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*	0.25	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	56.44	0.0	0.0	0.0	
LAB*LABa	56.44	0.0	0.0	0.0	
LAB*TCRa	50.0	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*	0.5	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	42.96	0.0	0.0	0.0	
LAB*LABa	42.96	0.0	0.0	0.0	
LAB*TCRa	37.5	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*	0.25	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	36.5	0.0	0.0	0.0	
LAB*LABa	36.5	0.0	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*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	16.57	-1.41	2.06	0.0	
LAB*LABa	16.57	-1.41	2.06	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*lab	0.0	0.0	0.0		
lab*lab	0.0	0.0	0.0		
lab*nch	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	0.0	0.0	0.0	0.0	
LAB*LABa	0.0	0.0	0.0	0.0	
LAB*TCRa	0.0	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*nch	1.0	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	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.844	(1.0)	
cmyn3*	0.0	0.25	0.156	(0.0)	
olvi4*	1.0	0.75	0.844	(1.0)	
cmyn4*	0.0	0.25	0.156	(0.0)	
standard and adapted CIELAB					
LAB*LAB	82.83	17.51	10.19	0.0	
LAB*LABa	82.83	17.51	10.19	0.0	
LAB*TCRa	87.5	19.43	23.31	0.0	
relative CIELAB lab*					

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

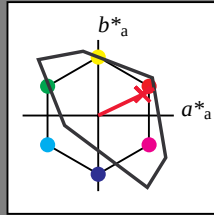
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



% Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

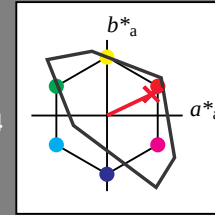
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



% Gamut

$u^*_{rel} = 118$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

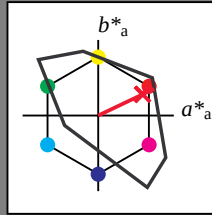
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

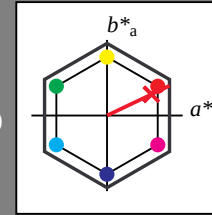
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

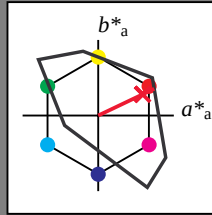
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

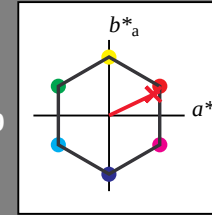
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

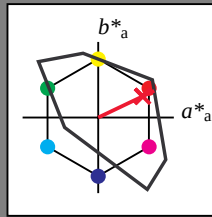
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

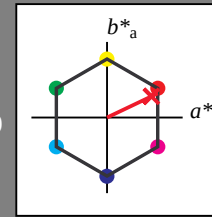
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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	0.0		
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*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	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	0.226	0.107		
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	0.099		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.522	(1.0)	
cmyn3*	0.25	0.5	0.478	(0.0)	
olvi4*	1.0	0.75	0.772	(1.0)	
cmyn4*	0.0	0.25	0.228	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.39	16.76	7.99		
LAB*LABa	66.39	16.76	7.99		
LAB*TCHa	62.5	18.56	25.48		
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	0.099		

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	33.52	15.97		
LAB*LABa	56.71	33.52	15.97		
LAB*TCHa	50.0	37.12	25.48		
relative CIELAB lab*					
lab*lab	0.5	0.451	0.215		
lab*ch	0.5	0.5	0.071		
lab*nch	0.0	0.5	0.071		
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.0		
lab*nce	0.25	0.5	0.1		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.272	(1.0)	
cmyn3*	0.5	0.25	0.228	(0.0)	
olvi4*	1.0	0.75	0.772	(1.0)	
cmyn4*	0.0	0.25	0.228	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.04	16.76	7.99		
LAB*LABa	47.04	16.76	7.99		
LAB*TCHa	37.5	18.56	25.48		
relative CIELAB lab*					
lab*lab	0.375	0.226	0.108		
lab*ch	0.375	0.25	0.071		
lab*nch	0.5	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.375	0.25	0.0		
lab*nce	0.5	0.25	0.099		

relative Inform. Technology (IT)					
olvi3*	0.5	0.0	0.044	(1.0)	
cmyn3*	0.5	1.0	0.956	(0.0)	
olvi4*	1.0	0.5	0.544	(1.0)	
cmyn4*	0.0	0.5	0.456	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	33.51	15.97		
LAB*LABa	37.36	33.51	15.97		
LAB*TCHa	25.01	37.12	25.48		
relative CIELAB lab*					
lab*lab	0.25	0.451	0.215		
lab*ch	0.25	0.5	0.071		
lab*nch	0.5	0.5	0.071		
relative Natural Colour (NC)					
lab*trj	0.25	0.5	0.0		
lab*nce	0.25	0.5	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.022	(1.0)	
cmyn3*	0.75	1.0	0.978	(0.0)	
olvi4*	1.0	0.75	0.772	(1.0)	
cmyn4*	0.0	0.25	0.228	(0.0)	
standard and adapted CIELAB					
LAB*LAB	27.69	16.75	7.99		
LAB*LABa	27.69	16.75	7.99		
LAB*TCHa	12.5	18.56	25.48		
relative CIELAB lab*					
lab*lab	0.125	0.226	0.108		
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	0.25	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	18.03	0.0	0.0		
LAB*LABa	18.03	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	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 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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

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

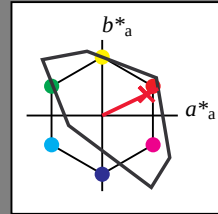
0,50

0,75

1,00

blackness n^*

chromaticness c^*



TLS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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

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

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

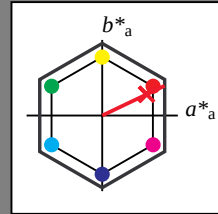
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

Output: Colorimetric Offset 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

olv*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

$n^* = 0,25$

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^*

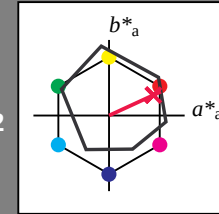
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

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^*

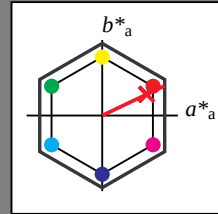
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

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^*

blackness n^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

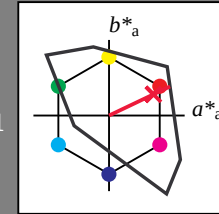
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

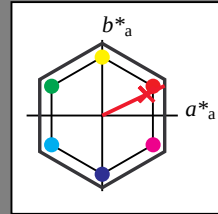
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

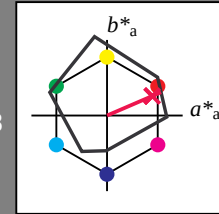
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

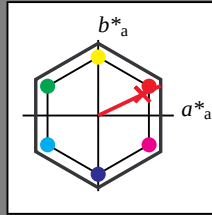
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

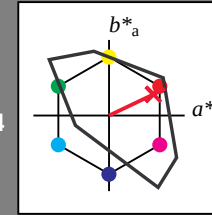
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

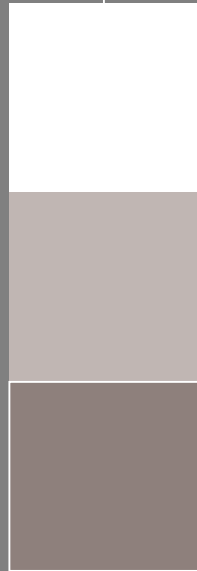
D65: hue R

LCH*Ma: 35 92 25

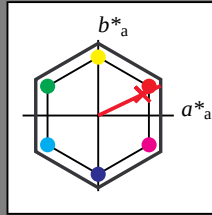
olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

0,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

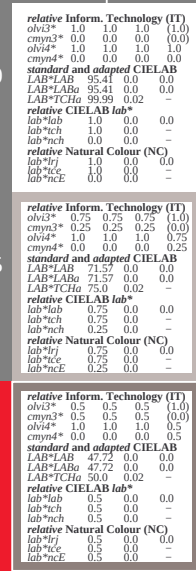
D65: hue R

LCH*Ma: 35 92 25

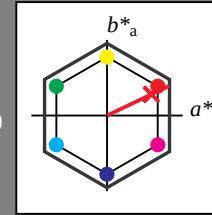
olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

0,00

chromaticness c^*

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

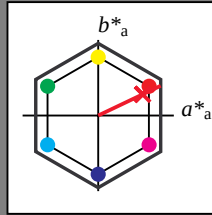
D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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	0.0		
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*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	58.74	0.0	0.0		
LAB*LABa	58.74	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	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*TCHa	37.37	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	18.03	0.0	0.0		
LAB*LABa	18.03	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	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*	0.25	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	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*TCHa	0.01	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	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
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	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	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
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	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	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
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	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	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
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	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	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
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	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	0.01	0.01	-		
LAB*LABa	0.01	0.01	-		
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	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

chromaticness c^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

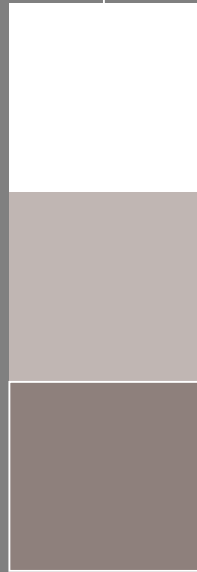
D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

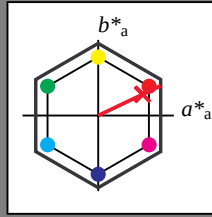
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIE LAB hue 25/360 = 0.071 (left)



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

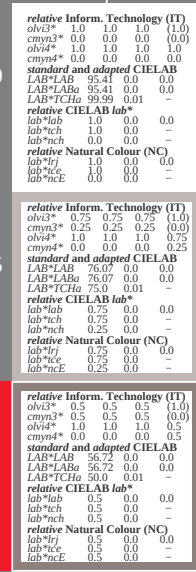
D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

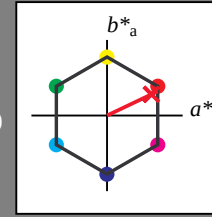
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIE LAB hue 25/360 = 0.071 (right)



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.01 \ -$
 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*
 $lab^*lab = 0.75 \ 0.0 \ 0.0$
 $lab^*tch = 0.75 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.75 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 66.39 \ 16.76 \ 7.99$
 $LAB^*LABa = 66.39 \ 16.76 \ 7.99$
 $LAB^*TCha = 62.5 \ 18.56 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.625 \ 0.226 \ 0.107$
 $lab^*tch = 0.625 \ 0.25 \ 0.071$
 $lab^*nch = 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.625 \ 0.25 \ 0.0$
 $lab^*tce = 0.625 \ 0.25 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

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
 $LAB^*LAB = 56.71 \ 33.52 \ 15.97$
 $LAB^*LABa = 56.71 \ 33.52 \ 15.97$
 $LAB^*TCha = 50.0 \ 37.12 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.451 \ 0.215$
 $lab^*tch = 0.5 \ 0.5 \ 0.071$
 $lab^*nch = 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.5 \ 0.0$
 $lab^*tce = 0.5 \ 0.5 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 47.04 \ 16.76 \ 7.99$
 $LAB^*LABa = 47.04 \ 16.76 \ 7.99$
 $LAB^*TCha = 37.5 \ 18.56 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.375 \ 0.226 \ 0.108$
 $lab^*tch = 0.375 \ 0.25 \ 0.071$
 $lab^*nch = 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.375 \ 0.25 \ 0.0$
 $lab^*tce = 0.375 \ 0.25 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

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
 $LAB^*LAB = 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa = 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.0 \ 0.0$
 $lab^*tch = 0.25 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
 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)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa = 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.0 \ 0.0 \ 0.0$
 $LAB^*LABa = 0.0 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.0 \ 0.0 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.0 \ 0.0 \ 0.0$
 $LAB^*LABa = 0.0 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.0 \ 0.0 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.0 \ 0.0 \ 0.0$
 $LAB^*LABa = 0.0 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.0 \ 0.0 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.5 \ 0.456 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.5 \ 0.456 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06 \ 33.51 \ 15.97$
 $LAB^*LABa = 76.06 \ 33.51 \ 15.97$
 $LAB^*TCha = 75.0 \ 37.12 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.75 \ 0.451 \ 0.215$
 $lab^*tch = 0.75 \ 0.5 \ 0.071$
 $lab^*nch = 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.75 \ 0.5 \ 0.0$
 $lab^*tce = 0.75 \ 0.5 \ 1.0$
 $lab^*nce = 0.0 \ 0.5 \ 0.999$

relative Inform. Technology (IT)
 $olvi3^* = 0.75 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.5 \ 0.478 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.25 \ 0.228 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 66.39 \ 16.76 \ 7.99$
 $LAB^*LABa = 66.39 \ 16.76 \ 7.99$
 $LAB^*TCha = 62.5 \ 18.56 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.625 \ 0.226 \ 0.108$
 $lab^*tch = 0.625 \ 0.25 \ 0.071$
 $lab^*nch = 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.625 \ 0.25 \ 0.0$
 $lab^*tce = 0.625 \ 0.25 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.5 \ 0.478 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.25 \ 0.228 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 66.39 \ 16.76 \ 7.99$
 $LAB^*LABa = 66.39 \ 16.76 \ 7.99$
 $LAB^*TCha = 62.5 \ 18.56 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.625 \ 0.226 \ 0.108$
 $lab^*tch = 0.625 \ 0.25 \ 0.071$
 $lab^*nch = 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.625 \ 0.25 \ 0.0$
 $lab^*tce = 0.625 \ 0.25 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

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
 $LAB^*LAB = 56.71 \ 33.52 \ 15.97$
 $LAB^*LABa = 56.71 \ 33.52 \ 15.97$
 $LAB^*TCha = 50.0 \ 37.12 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.451 \ 0.215$
 $lab^*tch = 0.5 \ 0.5 \ 0.071$
 $lab^*nch = 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.5 \ 0.0$
 $lab^*tce = 0.5 \ 0.5 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.5 \ 0.478 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.25 \ 0.228 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 66.39 \ 16.76 \ 7.99$
 $LAB^*LABa = 66.39 \ 16.76 \ 7.99$
 $LAB^*TCha = 62.5 \ 18.56 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.625 \ 0.226 \ 0.108$
 $lab^*tch = 0.625 \ 0.25 \ 0.071$
 $lab^*nch = 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.625 \ 0.25 \ 0.0$
 $lab^*tce = 0.625 \ 0.25 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

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
 $LAB^*LAB = 56.71 \ 33.52 \ 15.97$
 $LAB^*LABa = 56.71 \ 33.52 \ 15.97$
 $LAB^*TCha = 50.0 \ 37.12 \ 25.48$
 relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.451 \ 0.215$
 $lab^*tch = 0.5 \ 0.5 \ 0.071$
 $lab^*nch = 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.5 \ 0.0$
 $lab^*tce = 0.5 \ 0.5 \ 1.0$
 $lab^*nce = 0.25 \ 0.25 \ 0.999$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.5 \ 0.478 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.25 \ 0.228 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 66.39 \ 16.76 \ 7.99$ <

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

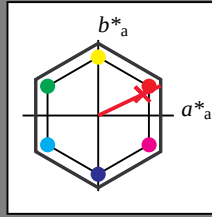
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

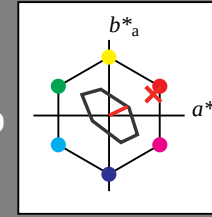
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 25/360 = 0.071 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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blackness n^*

blackness n^*

blackness n^*

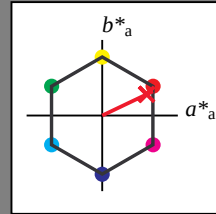
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Offset 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

olv*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

$n^* = 0,25$

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^*

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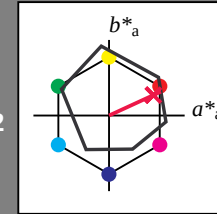
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

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OE400-7, 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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

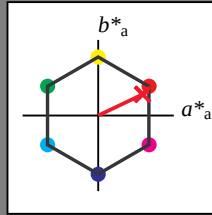
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

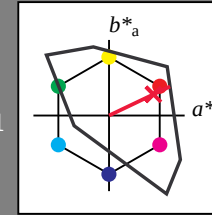
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness



% Gamut

$u^*_{rel} = 158$

1,00

0,75

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

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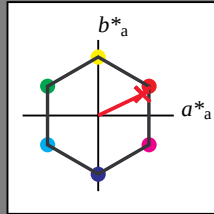
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%Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

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Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00

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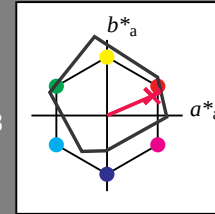
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%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

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Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

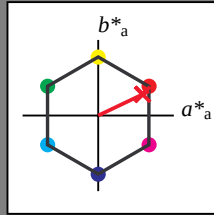
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



%Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

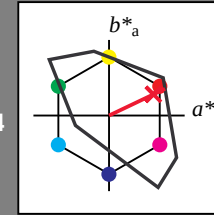
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness



%Gamut

$u^*_{rel} = 118$

1,00

0,75

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

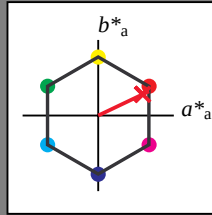
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

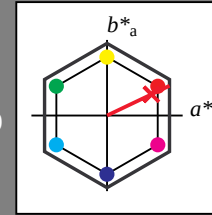
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

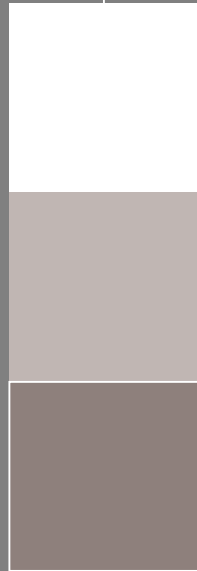
D65: hue R

LCH*Ma: 46 74 25

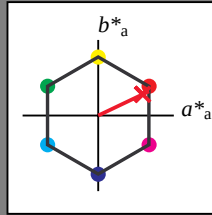
olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

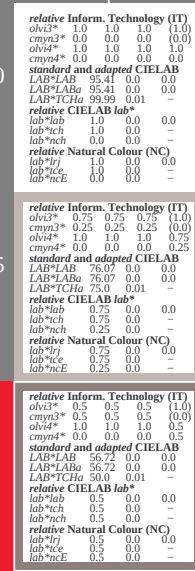
D65: hue R

LCH*Ma: 46 74 25

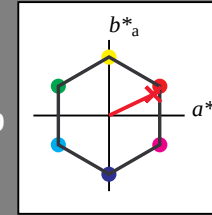
olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 100$

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 0.0
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 (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 75.01 -

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 58.74 0.0 0.0
LAB*LABa 58.74 0.0 0.0
LAB*TCHa 50.01 -

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* 0.25 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 39.92 0.0 0.0
LAB*LABa 39.92 0.0 0.0
LAB*TCHa 37.51 -

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* 0.25 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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 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* 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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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 -
lab*nce 0.0 0.0 -

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

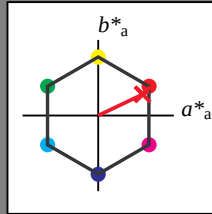
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

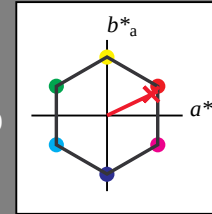
$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	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	0.0		
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*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	76.07	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*lab	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*nce	0.0	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	66.39	16.76	7.99		
LAB*LABa	66.39	16.76	7.99		
LAB*TCHa	62.5	18.56	25.48		
relative CIELAB lab*					
lab*lab	0.625	0.226	0.107		
lab*lab	0.625	0.226	0.107		
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	0.099		

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	33.52	15.97		
LAB*LABa	56.71	33.52	15.97		
LAB*TCHa	50.0	37.12	25.48		
relative CIELAB lab*					
lab*lab	0.5	0.451	0.215		
lab*lab	0.5	0.451	0.215		
lab*nch	0.25	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.0		
lab*nce	0.25	0.25	0.100		

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	47.04	16.76	7.99		
LAB*LABa	47.04	16.76	7.99		
LAB*TCHa	37.5	18.56	25.48		
relative CIELAB lab*					
lab*lab	0.375	0.226	0.108		
lab*lab	0.375	0.226	0.108		
lab*nch	0.25	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.375	0.25	0.0		
lab*nce	0.25	0.25	0.099		

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	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*lab	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*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	18.03	0.0	0.0		
LAB*LABa	18.03	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*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*	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	0.0	0.0	0.0		
LAB*LABa	0.0	0.0	0.0		
LAB*TCHa	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*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	0.5	0.544	(1.0)	
cmyn3*	0.0	0.5	0.456	(0.0)	
olvi4*	1.0	0.5	0.544	(1.0)	
cmyn4*	0.0	0.5	0.456	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	33.51	15.97		
LAB*LABa	76.06	33.51	15.97		
LAB*TCHa	75.0	37.12	25.48		
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*trj	0.75	0.5	0.0		
lab*nce	0.0	0.5	0.099		

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.544	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.5	0.544	1.0
cmyn4*	0.0	0.5	0.456	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	33.51	15.97	
LAB*LABa	76.06	33.51	15.97	

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

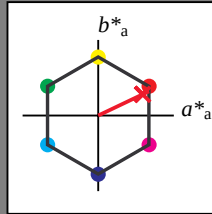
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

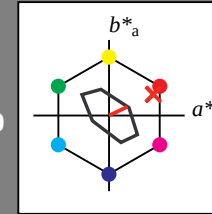
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

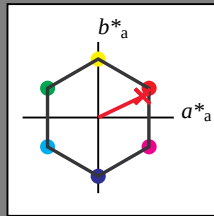
1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Offset 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

olv*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

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

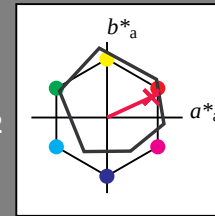
1,00

$n^* = 1,0$

chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

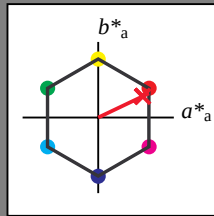
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

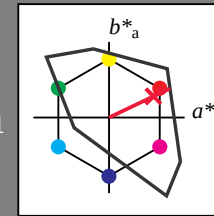
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

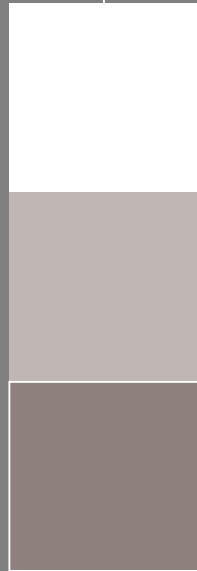
D65: hue R

LCH*Ma: 57 74 25

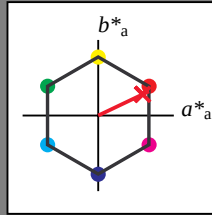
olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

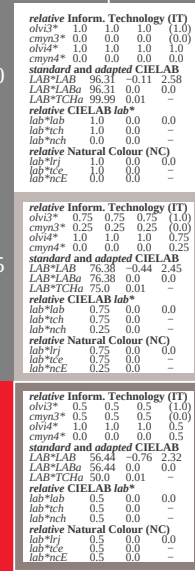
D65: hue R

LCH*Ma: 42 78 23

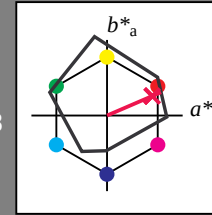
olv*Ma: 1.0 0.0 0.38

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

blackness n^*

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

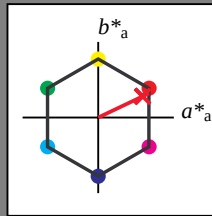
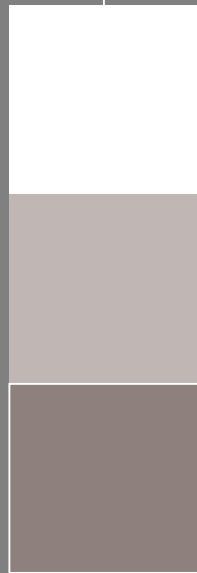
D65: hue R

LCH*Ma: 57 74 25

ol*Ma: 1.0 0.0 0.09

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.02	-		
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		
lab*nce	0.0	0.0	0.0		

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

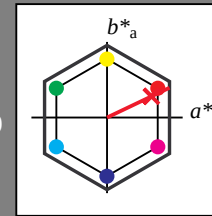
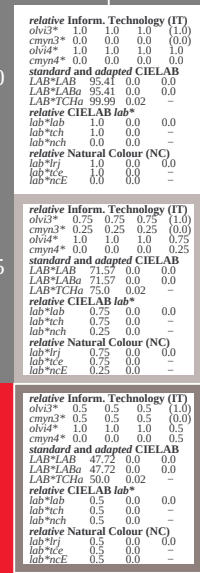
D65: hue R

LCH*Ma: 35 92 25

ol*Ma: 1.0 0.0 0.09

triangle lightness

1,00



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.72	(1.0)	
cmyn3*	0.0	0.25	0.228	(0.0)	
olvi4*	1.0	0.75	0.72	(1.0)	
cmyn4*	0.0	0.25	0.228	(0.0)	
standard and adapted CIELAB					
LAB*LAB	80.2	20.65	9.84		
LAB*LABa	80.2	20.65	9.84		
LAB*TCHa	87.5	22.87	25.48		
relative CIELAB lab*					
lab*lab	0.841	0.226	0.107		
lab*ch	0.875	0.25	0.071		
lab*nch	0.0	0.25	0.071		
relative Natural Colour (NC)					
lab*trj	0.841	0.25	0.0		
lab*nce	0.875	0.25	1.0		
lab*nce	0.0	0.25	0.999		

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	0.544	(1.0)	
cmyn3*	0.0	0.5	0.456	(0.0)	
olvi4*	1.0	0.5	0.544	(1.0)	
cmyn4*	0.0	0.5	0.456	(0.0)	
standard and adapted CIELAB					
LAB*LAB	65.0	41.3	19.68		
LAB*LABa	65.0	41.3	19.68		
LAB*TCHa	75.0	45.75	25.48		
relative CIELAB lab*					
lab*lab	0.681	0.451	0.215		
lab*ch	0.75	0.5	0.071		
lab*nch	0.0	0.5	0.071		
relative Natural Colour (NC)					
lab*trj	0.681	0.5	1.0		
lab*nce	0.75	0.5	1.0		
lab*nce	0.0	0.5	0.999		

$n^* = 0,00$

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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

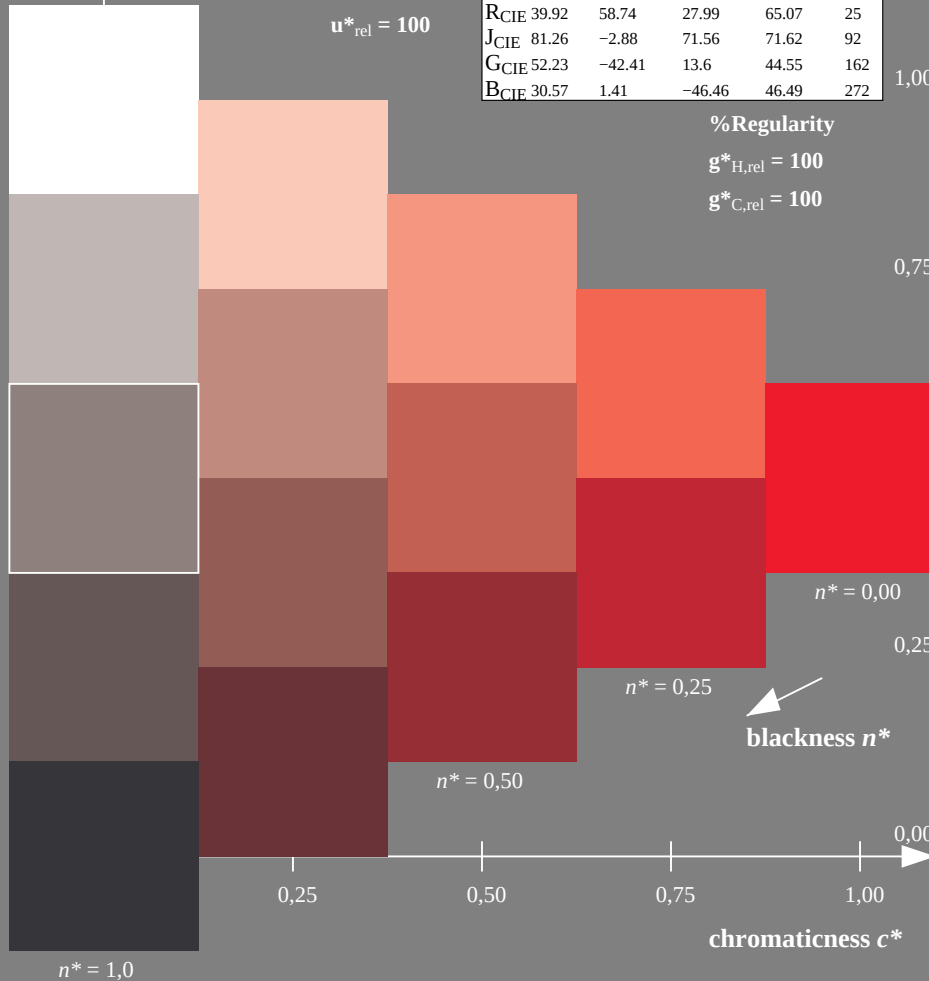
D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

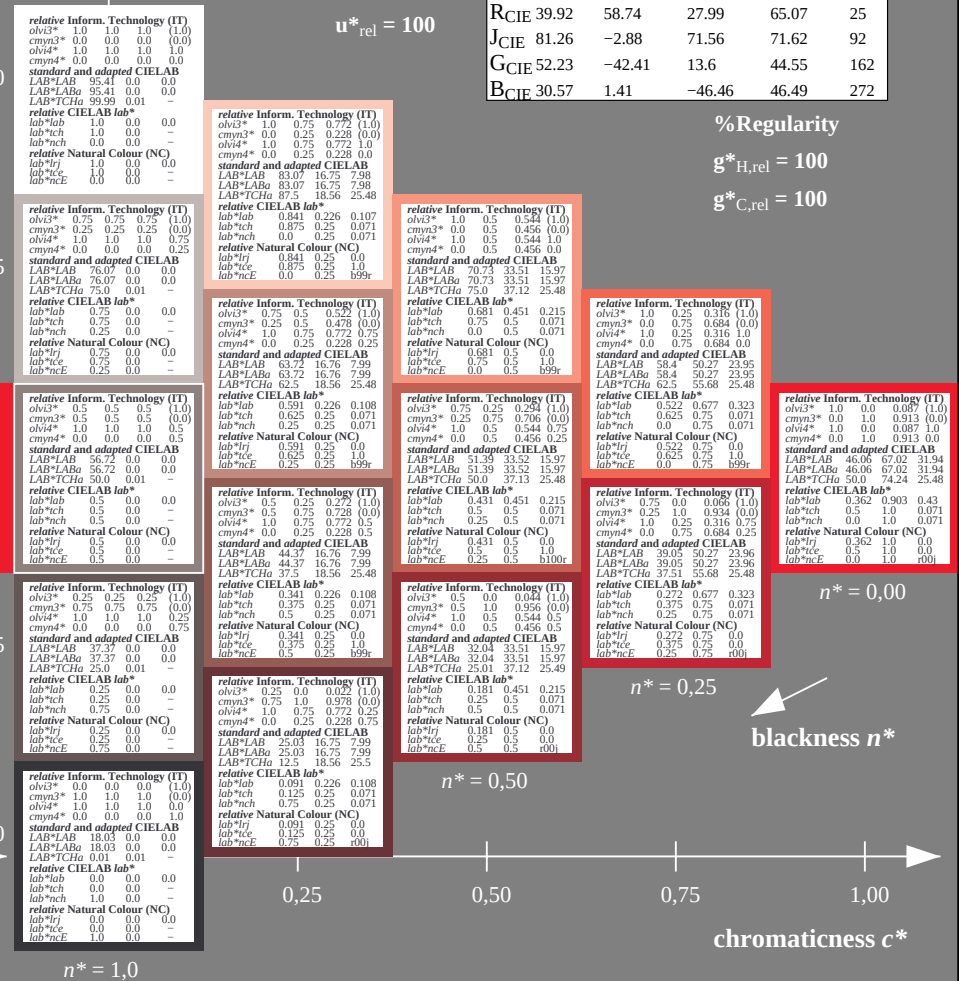
D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

$n^* = 1,0$

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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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0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

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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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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^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

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

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chromaticness c^*

$n^* = 1,0$

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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^*

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chromaticness c^*

$n^* = 1,0$

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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

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

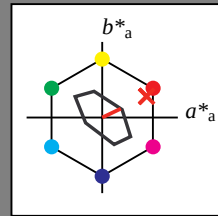
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	76.43	26.27	10.57	28.32	22
YMa	93.93	-10.76	34.63	36.27	107
LMa	89.32	-35.8	27.64	45.24	142
CMa	90.93	-21.95	-7.07	23.07	198
VMa	72.1	15.76	-35.63	38.97	294
MMa	78.5	37.52	-25.23	45.22	326
NMa	69.7	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RMa	39.92	58.74	27.99	65.07	25
JMa	81.26	-2.88	71.56	71.62	92
GMa	52.23	-42.41	13.6	44.55	162
BMa	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Offset 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

olv*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

$n^* = 0,25$

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^*

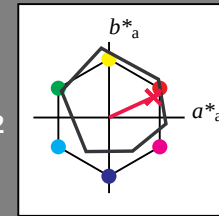
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RMa	39.92	58.66	26.98	64.57	25
JMa	81.26	-2.16	67.76	67.79	92
GMa	52.23	-42.25	11.76	43.87	164
BMa	30.57	1.15	-46.84	46.86	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^*

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blackness n^*

blackness n^*

blackness n^*

OE400-7, 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 Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

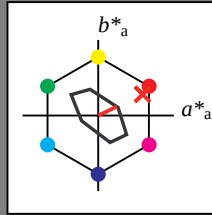
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

1,00

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	1.0	0.0	0.0	0.0	0.0
olv4*	0.0	1.0	0.0	0.0	0.0
olv5*	0.0	0.0	1.0	0.0	0.0
olv6*	0.0	0.0	0.0	1.0	0.0
olv7*	0.0	0.0	0.0	0.0	1.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
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^*TCha	99.99	0.01	0.0	0.0	0.0
LAB^*TChb	99.99	0.01	0.0	0.0	0.0

	lab^*lab	lab^*labch	$lab^*labnch$	lab^*trj	lab^*tce
lab^*lab	1.0	0.0	0.0	0.0	0.0
lab^*labch	1.0	0.0	0.0	0.0	0.0
lab^*labnch	1.0	0.0	0.0	0.0	0.0
lab^*trj	1.0	0.0	0.0	0.0	0.0
lab^*tce	1.0	0.0	0.0	0.0	0.0

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	0.75	0.75	0.75	0.75	0.75
olv4*	0.25	0.25	0.25	0.25	0.25
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
LAB^*LAB	71.57	0.0	0.0	0.0	0.0
LAB^*LABa	71.57	0.0	0.0	0.0	0.0
LAB^*LABb	71.57	0.0	0.0	0.0	0.0
LAB^*TCha	75.0	0.01	0.0	0.0	0.0
LAB^*TChb	75.0	0.01	0.0	0.0	0.0

	lab^*lab	lab^*labch	$lab^*labnch$	lab^*trj	lab^*tce
lab^*lab	0.75	0.0	0.0	0.0	0.0
lab^*labch	0.75	0.0	0.0	0.0	0.0
lab^*labnch	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

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	0.5	0.5	0.5	0.5	0.5
olv4*	0.5	0.5	0.5	0.5	0.5
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
LAB^*LAB	47.72	0.0	0.0	0.0	0.0
LAB^*LABa	47.72	0.0	0.0	0.0	0.0
LAB^*LABb	47.72	0.0	0.0	0.0	0.0
LAB^*TCha	50.0	0.01	0.0	0.0	0.0
LAB^*TChb	50.0	0.01	0.0	0.0	0.0

	lab^*lab	lab^*labch	$lab^*labnch$	lab^*trj	lab^*tce
lab^*lab	0.5	0.0	0.0	0.0	0.0
lab^*labch	0.5	0.0	0.0	0.0	0.0
lab^*labnch	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

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	0.25	0.25	0.25	0.25	0.25
olv4*	0.25	0.25	0.25	0.25	0.25
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
LAB^*LAB	23.87	0.0	0.0	0.0	0.0
LAB^*LABa	23.87	0.0	0.0	0.0	0.0
LAB^*LABb	23.87	0.0	0.0	0.0	0.0
LAB^*TCha	25.0	0.01	0.0	0.0	0.0
LAB^*TChb	25.0	0.01	0.0	0.0	0.0

	lab^*lab	lab^*labch	$lab^*labnch$	lab^*trj	lab^*tce
lab^*lab	0.25	0.0	0.0	0.0	0.0
lab^*labch	0.25	0.0	0.0	0.0	0.0
lab^*labnch	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

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	0.0	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
LAB^*LAB	0.03	0.0	0.0	0.0	0.0
LAB^*LABa	0.03	0.0	0.0	0.0	0.0
LAB^*LABb	0.03	0.0	0.0	0.0	0.0
LAB^*TCha	0.01	0.01	0.0	0.0	0.0
LAB^*TChb	0.01	0.01	0.0	0.0	0.0

	lab^*lab	lab^*labch	$lab^*labnch$	lab^*trj	lab^*tce
lab^*lab	0.0	0.0	0.0	0.0	0.0
lab^*labch	0.0	0.0	0.0	0.0	0.0
lab^*labnch	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

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	0.0	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
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^*TCha	0.0	0.0	0.0	0.0	0.0
LAB^*TChb	0.0	0.0	0.0	0.0	0.0

	lab^*lab	lab^*labch	$lab^*labnch$	lab^*trj	lab^*tce
lab^*lab	0.0	0.0	0.0	0.0	0.0
lab^*labch	0.0	0.0	0.0	0.0	0.0
lab^*labnch	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

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	0.0	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
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^*TCha	0.0	0.0	0.0	0.0	0.0
LAB^*TChb	0.0	0.0	0.0	0.0	0.0

	lab^*lab	lab^*labch	$lab^*labnch$	lab^*trj	lab^*tce
lab^*lab	0.0	0.0	0.0	0.0	0.0
lab^*labch	0.0	0.0	0.0	0.0	0.0
lab^*labnch	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

	olv^3*	olv^4*	olv^5*	olv^6*	olv^7*
olv3*	0.0	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0

	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
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^*TCha	0.0	0.0	0.0	0.0	0.0
LAB^*TChb	0.0	0.0	0.0	0.0	0.0

	lab^*lab	lab^*labch	lab^*lab
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Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00

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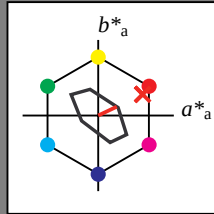
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TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

%Regularity

%Regularity

%Regularity

%Regularity

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Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness

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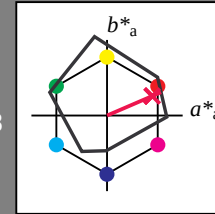
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DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

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OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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

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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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Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

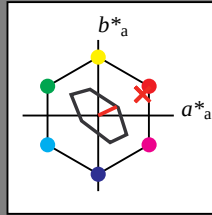
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

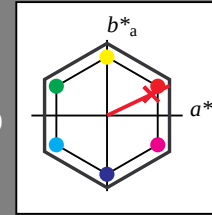
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



% Gamut

$u^*_{rel} = 152$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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$n^* = 0,00$

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

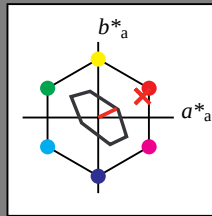
D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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		
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*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	0.75	
cmyn4*	0.0	0.0	0.0	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*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	58.74	0.0	0.0		
LAB*LABa	58.74	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*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	39.92	0.0	0.0		
LAB*LABa	39.92	0.0	0.0		
LAB*TCHa	37.5	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*	0.25	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	39.92	0.0	0.0		
LAB*LABa	39.92	0.0	0.0		
LAB*TCHa	37.5	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*	0.25	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	39.92	0.0	0.0		
LAB*LABa	39.92	0.0	0.0		
LAB*TCHa	37.5	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*	0.25	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	39.92	0.0	0.0		
LAB*LABa	39.92	0.0	0.0		
LAB*TCHa	37.5	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	18.03	0.0	0.0		
LAB*LABa	18.03	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	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		

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	18.03	0.0	0.0		
LAB*LABa	18.03	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	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		

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

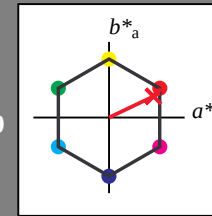
D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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		
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*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

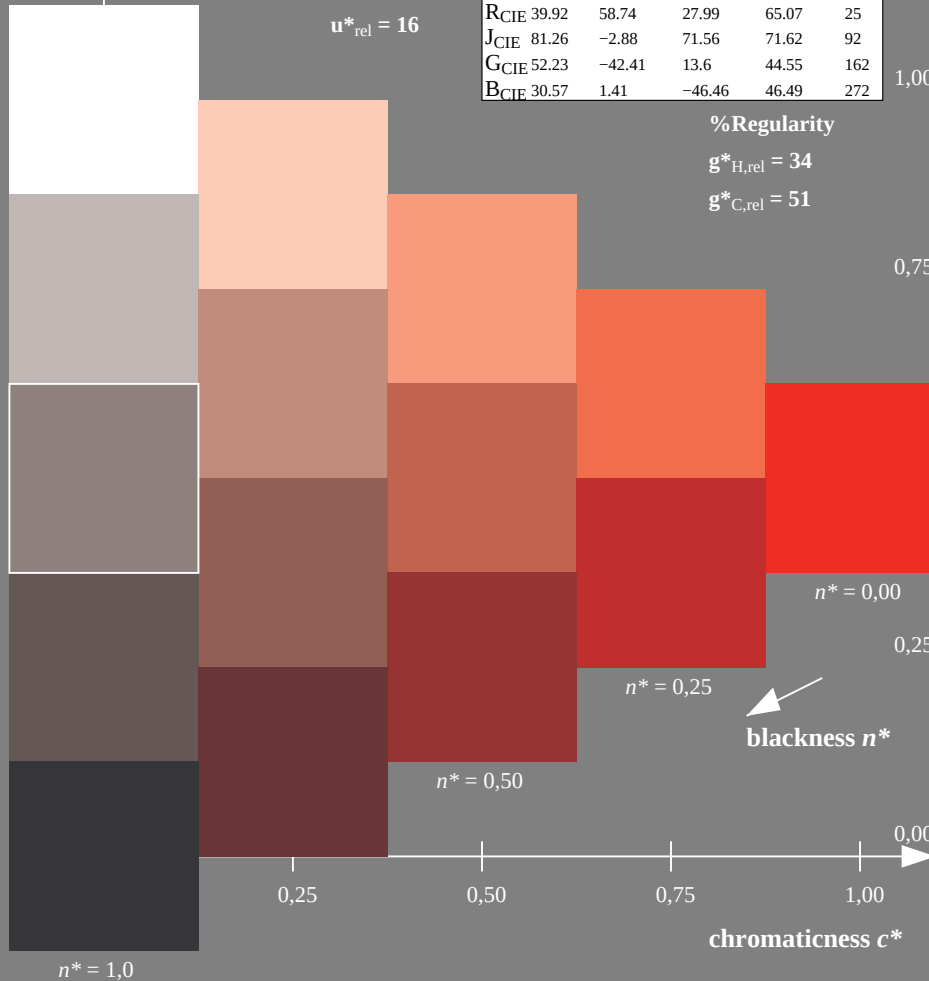
D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness

1,00



OE400-7, 5 step scales for constant CIE LAB hue 25/360 = 0.071 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

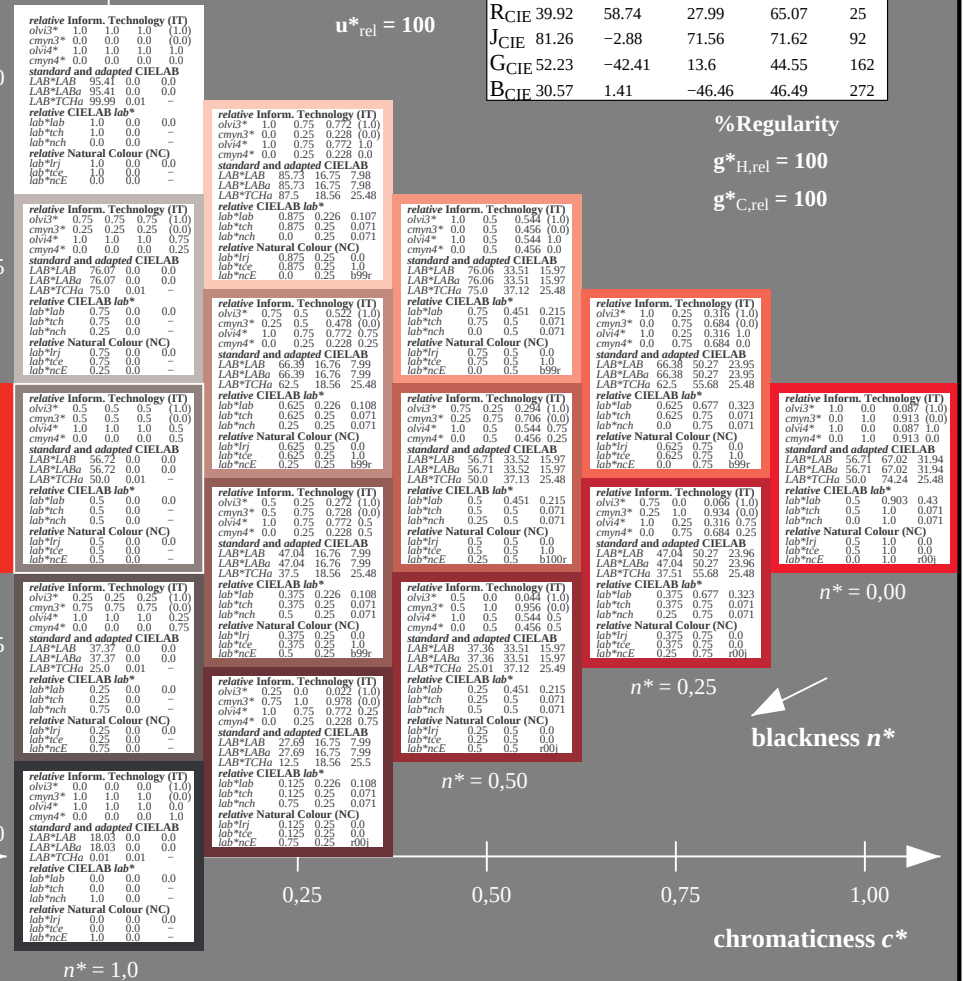
D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

1,00



5 step scales for constant CIE LAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

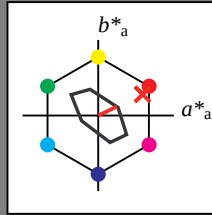
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

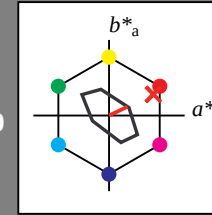
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 Offset 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

olv*Ma: 1.0 0.9 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

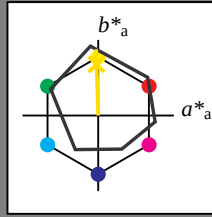
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

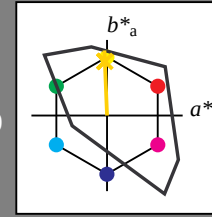
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

1,00

0,75

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

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 Offset 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

olv*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

$n^* = 0,25$

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^*

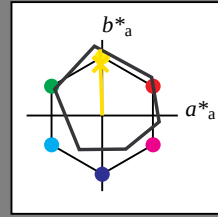
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

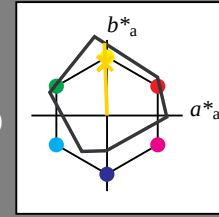
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

OE400-7, 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 Offset 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

olv*Ma: 1.0 0.9 0.0

triangle lightness

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

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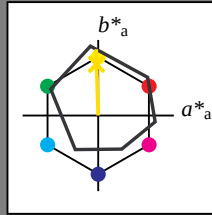
0,00

0,00

0,00

0,00

0,00



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

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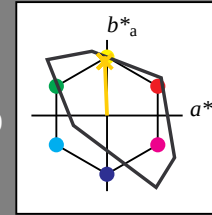
0,00

0,00

0,00

0,00

0,00



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

OE400-7, 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 Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

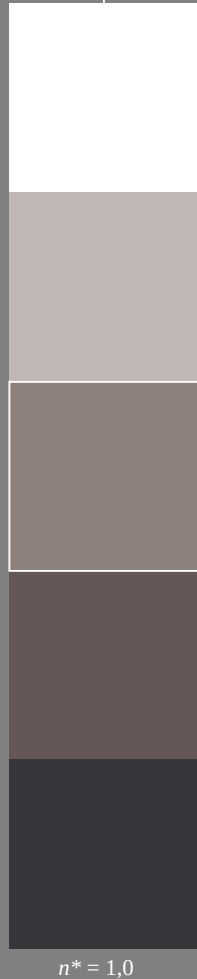
D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

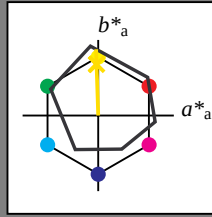
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

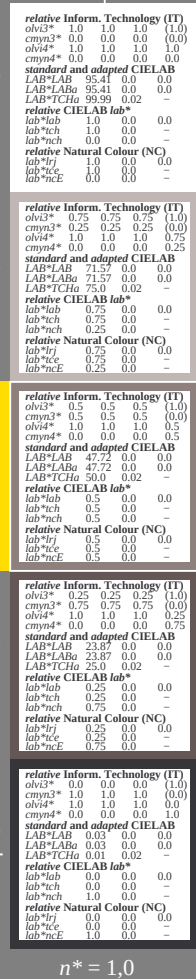
D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

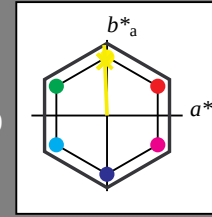
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Input: Colorimetric Offset 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

olv*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

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^*

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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^*

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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^*

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blackness n^*

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^*

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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

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

lab^*tch and lab^*nch

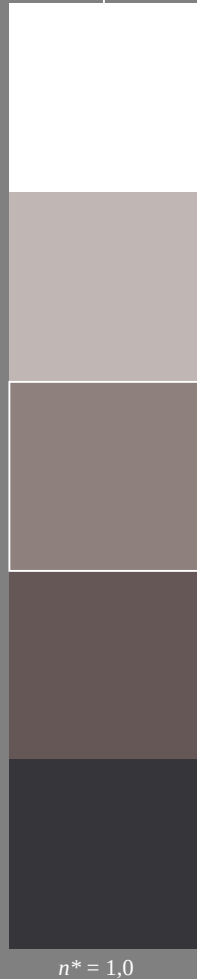
D65: hue J

LCH*Ma: 86 88 92

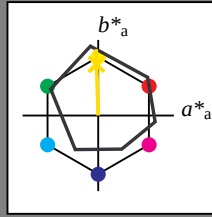
olv*Ma: 1.0 0.9 0.0

triangle lightness

1,00



OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

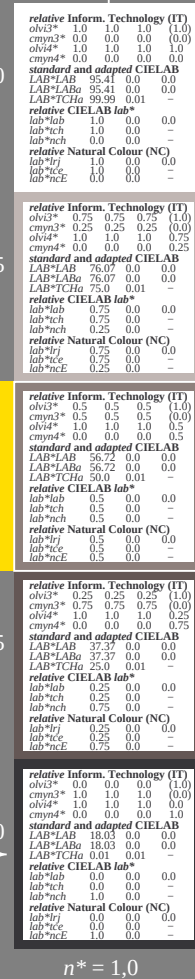
D65: hue J

LCH*Ma: 57 76 92

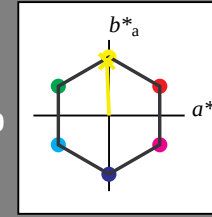
olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



5 step scales for constant CIELAB hue 92/360 = 0.256 (right)



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

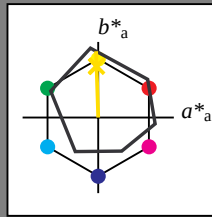
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

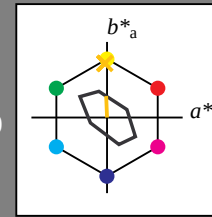
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

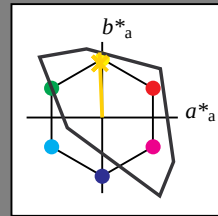
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 Offset 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

olv*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

$n^* = 0,25$

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^*

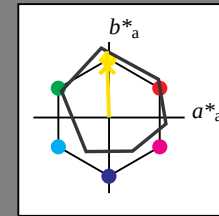
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

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blackness n^*

blackness n^*

OE400-7, 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 Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

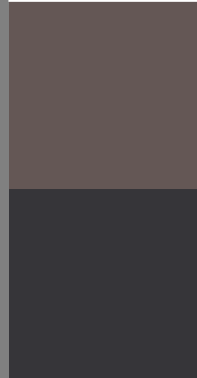
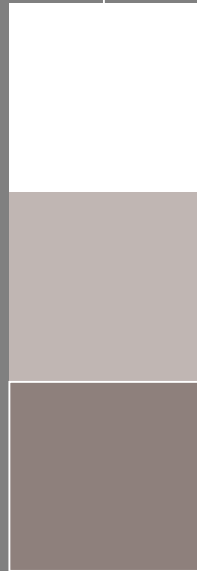
D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

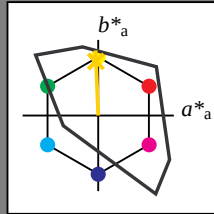
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

0,00

chromaticness c^*

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	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*TCBa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*rch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*rc	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.52	0.0	0.0
LAB*LABa	71.52	0.0	0.0
LAB*TCBa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*rch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*rc	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCBa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*rch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*rc	0.0	0.0	0.0
lab*nce	1.0	0.0	-

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

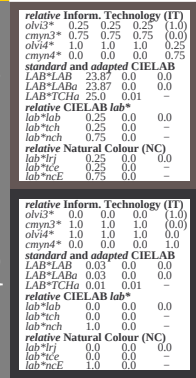
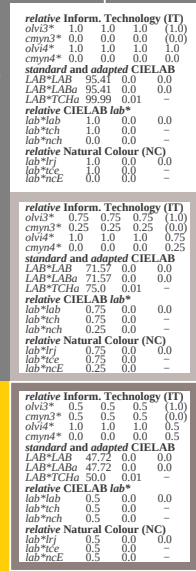
D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

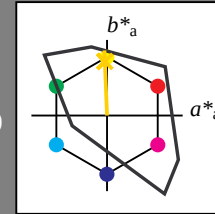
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	92.86	-0.87	21.53
LAB*LABa	92.86	-0.87	21.53
LAB*TCBa	87.5	21.54	92.33

relative CIELAB lab*

lab*lab	0.973	-0.009	0.25
lab*rch	0.875	0.0	0.256
lab*nch	0.0	0.0	0.256

relative Natural Colour (NC)

lab*trj	0.973	0.0	0.25
lab*rc	0.875	0.0	0.25
lab*nce	0.0	0.25	0.008

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.01	-0.86	21.53
LAB*LABa	69.01	-0.86	21.53
LAB*TCBa	62.5	21.55	92.31

relative CIELAB lab*

lab*lab	0.723	-0.009	0.25
lab*rch	0.625	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.723	0.0	0.25
lab*rc	0.625	0.25	0.25
lab*nce	0.25	0.25	0.008

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.47	-1.73	43.06
LAB*LABa	66.47	-1.73	43.06
LAB*TCBa	50.0	43.1	92.31

relative CIELAB lab*

lab*lab	0.697	-0.019	0.5
lab*rch	0.625	0.5	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.697	0.0	0.5
lab*rc	0.625	0.5	0.25
lab*nce	0.25	0.5	0.008

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	90.31	-1.74	43.06
LAB*LABa	90.31	-1.74	43.06
LAB*TCBa	75.0	43.09	92.32

relative CIELAB lab*

lab*lab	0.947	-0.019	0.499
lab*rch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.947	0.0	0.499
lab*rc	0.75	0.5	0.25
lab*nce	0.0	0.5	0.008

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.47	-1.73	43.06
LAB*LABa	66.47	-1.73	43.06
LAB*TCBa	50.0	43.1	92.31

relative CIELAB lab*

lab*lab	0.697	-0.019	0.499
lab*rch	0.625	0.5	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.697	0.0	0.499
lab*rc	0.625	0.5	0.25
lab*nce	0.25	0.5	0.008

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.92	-2.6	64.59
LAB*LABa	63.92	-2.6	64.59
LAB*TCBa	37.51	64.64	92.31

relative CIELAB lab*

lab*lab	0.67	-0.029	0.749
lab*rch	0.375	0.75	0.256
lab*nch	0.25	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.67	0.0	0.75
lab*rc	0.375	0.75	0.25
lab*nce	0.25	0.75	0.008

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.78	-2.61	64.59
LAB*LABa	87.78	-2.61	64.59
LAB*TCBa	62.5	64.64	92.32

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

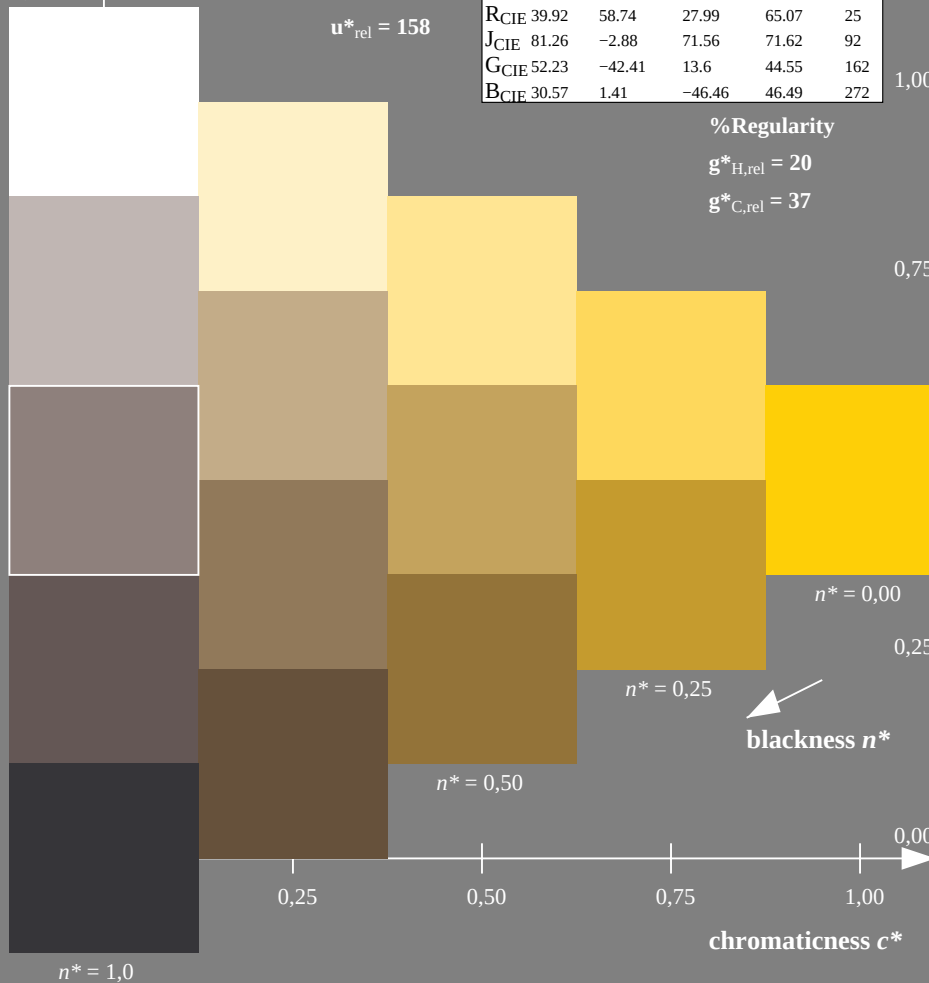
D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00



OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

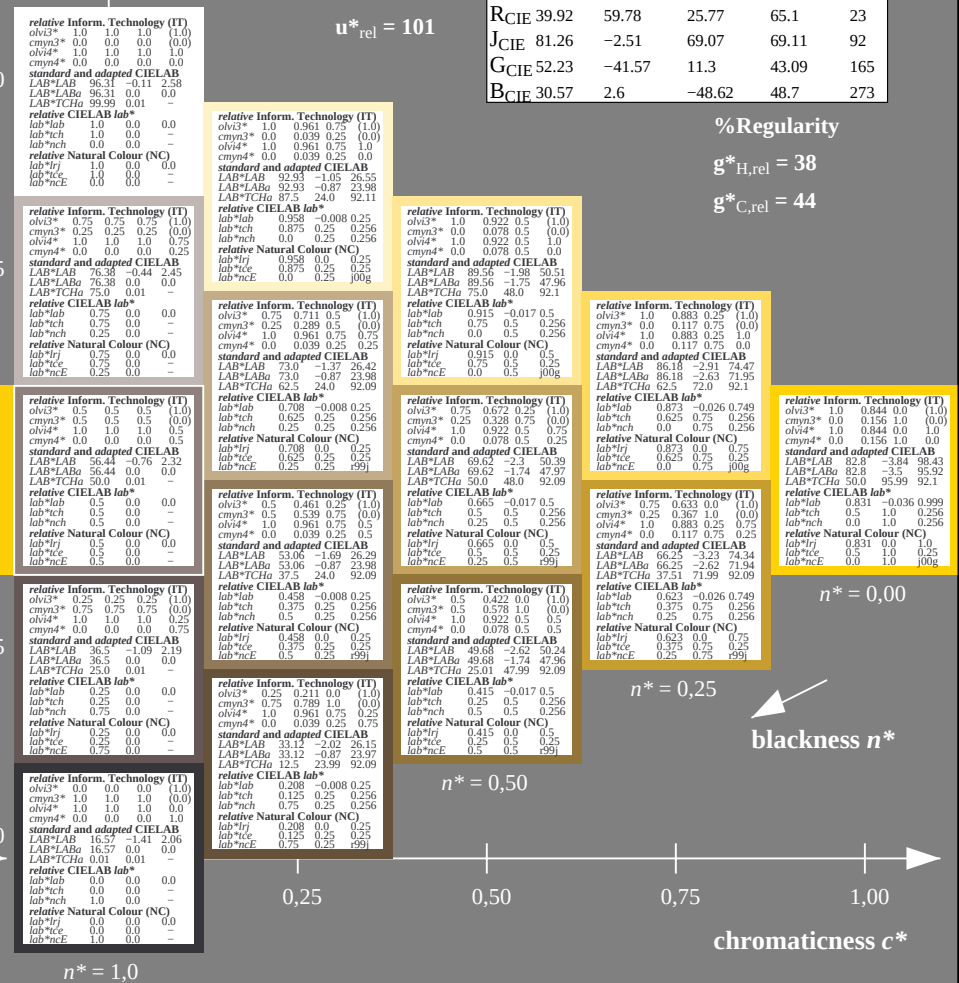
D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00



5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

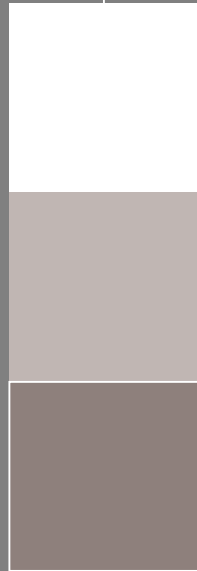
D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

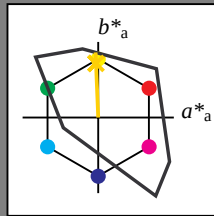
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

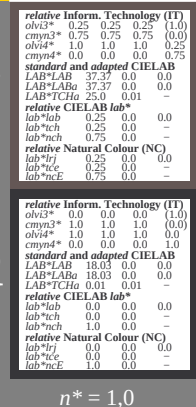
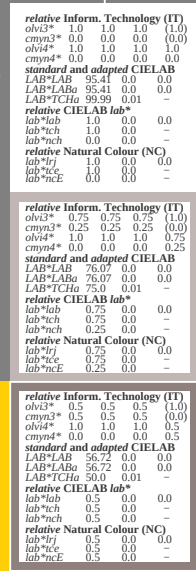
D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

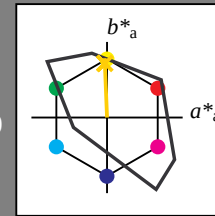
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)



% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	0.908 0.5	(1.0)	
cmyn3*	0.0	0.092 0.5	(0.0)	
olvi4*	1.0	0.908 0.5	(1.0)	
cmyn4*	0.0	0.092 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	90.39	-1.58	39.25	
LAB*LABa	90.39	-1.58	39.25	
LAB*TCBa	75.0	29.29	92.32	

relative Inform. Technology (IT)				
olvi3*	1.0	0.816 0.0	(1.0)	
cmyn3*	0.0	0.184 1.0	(0.0)	
olvi4*	1.0	0.816 0.0	(1.0)	
cmyn4*	0.0	0.184 1.0	(0.0)	
standard and adapted CIELAB				
LAB*LAB	85.38	-3.17	78.5	
LAB*LABa	85.38	-3.17	78.5	
LAB*TCBa	50.0	78.57	92.32	

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

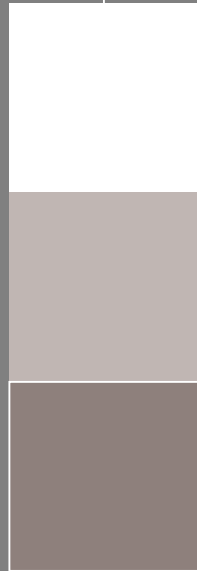
D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

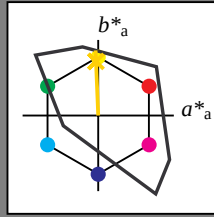
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

0,00

$n^* = 1,0$

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.02 \ -$
 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)
 $olv3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha = 71.57 \ 0.0 \ 0.0$
 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)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha = 47.72 \ 0.0 \ 0.0$
 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)
 $olv3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha = 23.87 \ 0.0 \ 0.0$
 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)
 $lab^*trj = 0.25 \ 0.0 \ 0.0$
 $lab^*tce = 0.75 \ 0.0 \ -$
 $lab^*nce = 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha = 23.87 \ 0.0 \ 0.0$
 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)
 $lab^*trj = 0.25 \ 0.0 \ 0.0$
 $lab^*tce = 0.75 \ 0.0 \ -$
 $lab^*nce = 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

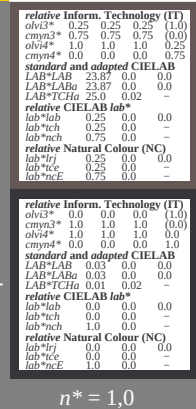
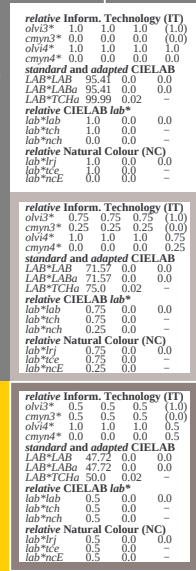
D65: hue J

LCH*Ma: 62 93 92

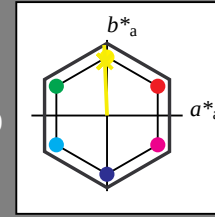
olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olv3^* = 0.989 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.011 \ 0.0 \ 0.25 \ (0.0)$
 $olv4^* = 0.989 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn4^* = 0.011 \ 0.0 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 87.09 \ -0.92 \ 23.3$
 $LAB^*TCha = 87.09 \ -0.92 \ 23.3$
 relative CIELAB lab*
 $lab^*lab = 0.913 \ 0.0 \ 0.25$
 $lab^*tch = 0.875 \ 0.25 \ 0.256$
 $lab^*nch = 0.0 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj = 0.913 \ 0.0 \ 0.25$
 $lab^*tce = 0.875 \ 0.25 \ 0.256$
 $lab^*nce = 0.0 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olv3^* = 0.739 \ 0.75 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.261 \ 0.25 \ 0.5 \ (0.0)$
 $olv4^* = 0.989 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn4^* = 0.011 \ 0.0 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 63.25 \ -0.93 \ 23.31$
 $LAB^*TCha = 63.25 \ -0.93 \ 23.31$
 relative CIELAB lab*
 $lab^*lab = 0.663 \ -0.009 \ 0.25$
 $lab^*tch = 0.625 \ 0.25 \ 0.256$
 $lab^*nch = 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj = 0.663 \ 0.0 \ 0.25$
 $lab^*tce = 0.625 \ 0.25 \ 0.256$
 $lab^*nce = 0.25 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olv3^* = 0.489 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.511 \ 0.5 \ 0.25 \ (0.0)$
 $olv4^* = 0.989 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn4^* = 0.011 \ 0.0 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 39.4 \ -0.93 \ 23.31$
 $LAB^*TCha = 39.4 \ -0.93 \ 23.31$
 relative CIELAB lab*
 $lab^*lab = 0.413 \ -0.009 \ 0.25$
 $lab^*tch = 0.375 \ 0.25 \ 0.256$
 $lab^*nch = 0.5 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj = 0.413 \ 0.0 \ 0.25$
 $lab^*tce = 0.375 \ 0.25 \ 0.256$
 $lab^*nce = 0.5 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olv3^* = 0.239 \ 0.25 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.761 \ 0.75 \ 1.0 \ (0.0)$
 $olv4^* = 0.989 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn4^* = 0.011 \ 0.0 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 15.55 \ -0.93 \ 23.3$
 $LAB^*TCha = 15.55 \ -0.93 \ 23.3$
 relative CIELAB lab*
 $lab^*lab = 0.163 \ -0.009 \ 0.25$
 $lab^*tch = 0.125 \ 0.25 \ 0.256$
 $lab^*nch = 0.75 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj = 0.163 \ 0.0 \ 0.25$
 $lab^*tce = 0.125 \ 0.25 \ 0.256$
 $lab^*nce = 0.75 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.02 \ -$
 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olv3^* = 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.023 \ 0.0 \ 0.5 \ (0.0)$
 $olv4^* = 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* = 0.023 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 78.78 \ -1.86 \ 46.61$
 $LAB^*TCha = 78.78 \ -1.86 \ 46.61$
 relative CIELAB lab*
 $lab^*lab = 0.826 \ -0.019 \ 0.499$
 $lab^*tch = 0.75 \ 0.5 \ 0.256$
 $lab^*nch = 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj = 0.826 \ 0.0 \ 0.25$
 $lab^*tce = 0.75 \ 0.5 \ 0.256$
 $lab^*nce = 0.0 \ 0.5 \ 0.256$

relative Inform. Technology (IT)
 $olv3^* = 0.727 \ 0.75 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.273 \ 0.25 \ 0.75 \ (0.0)$
 $olv4^* = 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* = 0.023 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 54.94 \ -1.87 \ 46.61$
 $LAB^*TCha = 54.94 \ -1.87 \ 46.61$
 relative CIELAB lab*
 $lab^*lab = 0.576 \ -0.019 \ 0.5$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

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0,75

0,50

0,25

0,00

blackness n^*

chromaticness c^*

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0,50

0,75

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Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

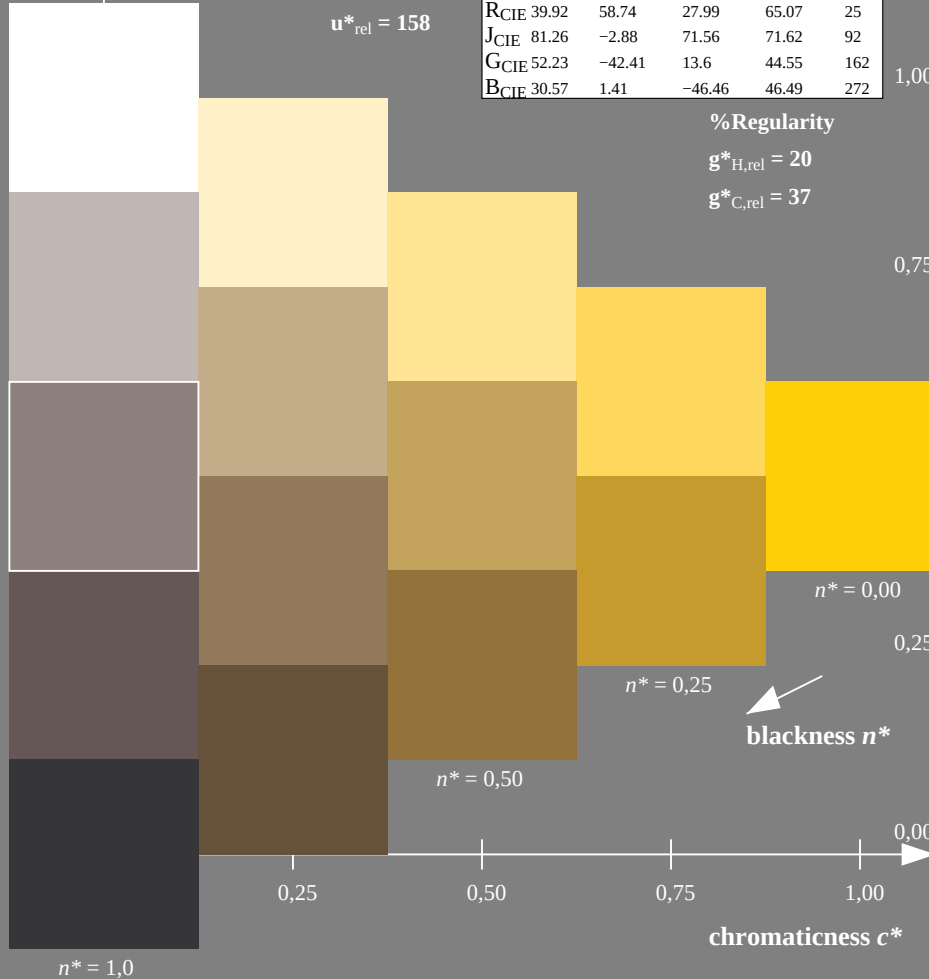
D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00



OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

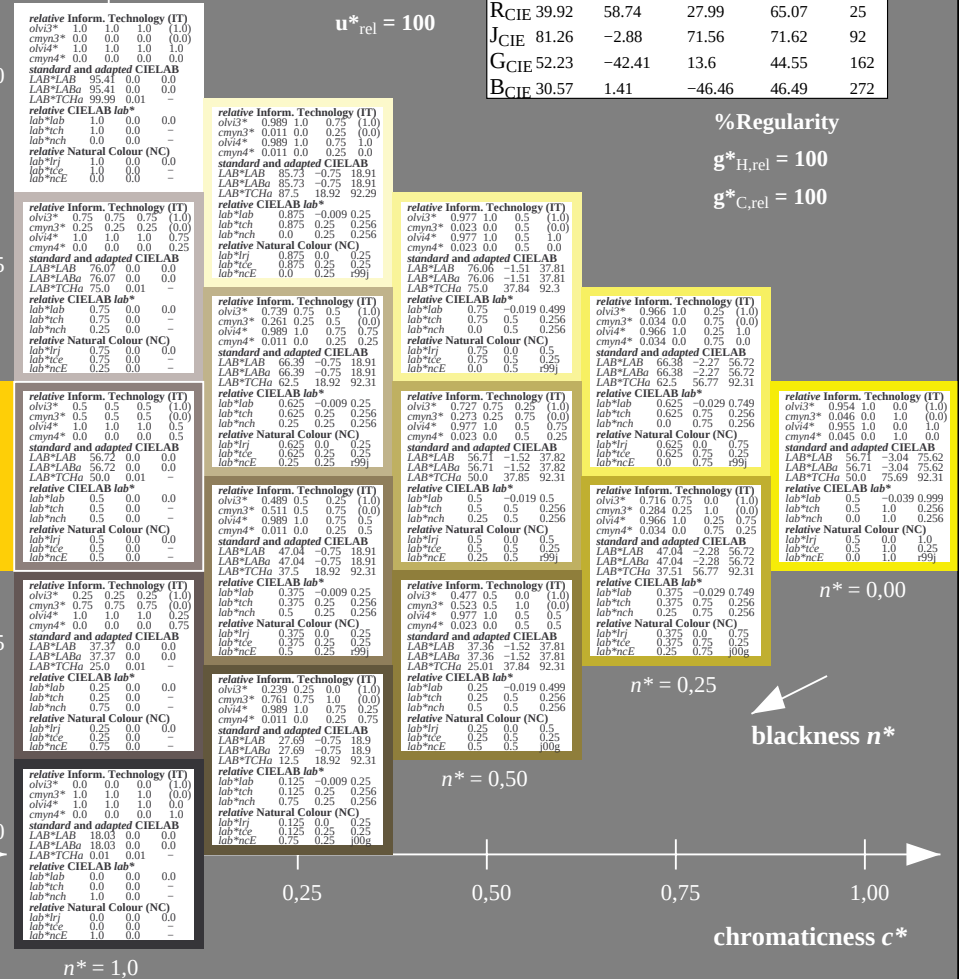
D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

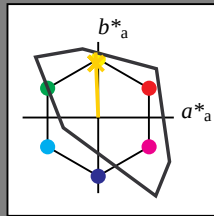
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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*

lab*lab

lab*ch

lab*nch

lab*tr

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

lab*tr

lab*tce

lab*nce

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*ch

lab*nch

lab*tr

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

lab*tr

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

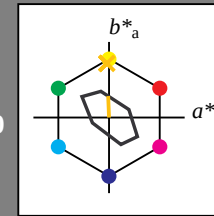
lab*ch

lab*nch

lab*tr

lab*tce

lab*nce



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*ch

lab*nch

lab*tr

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

lab*tr

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*ch

lab*nch

lab*tr

lab*tce

lab*nce

OE400-7, 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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

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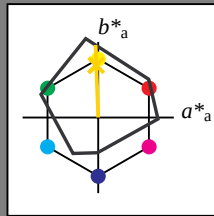
triangle lightness

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% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

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Output: Colorimetric Offset 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

olv*Ma: 1.0 0.9 0.0

triangle lightness

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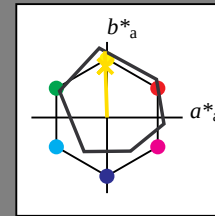
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% Gamut

$u^*_{rel} = 93$

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ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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OE400-7, 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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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blackness n^*

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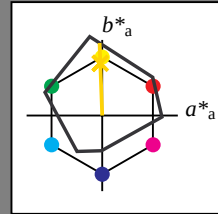
blackness n^*

blackness n^*

blackness n^*

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blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

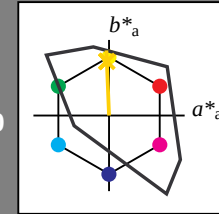
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

OE400-7, 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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

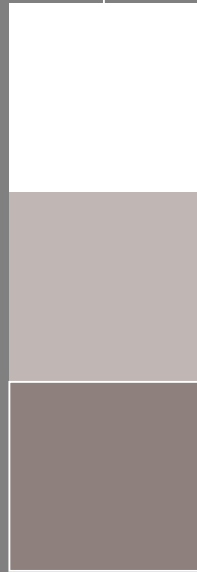
D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

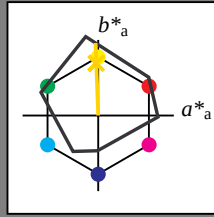
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

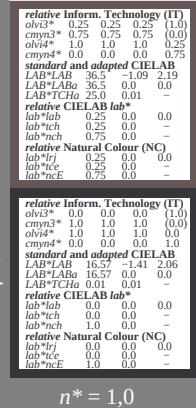
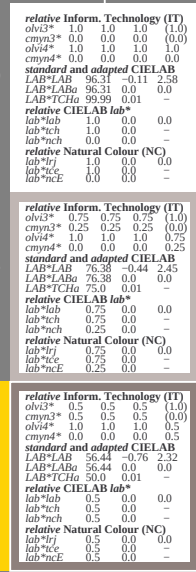
D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

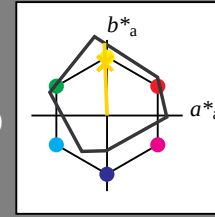
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

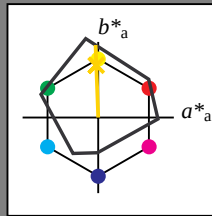
chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

blackness n^*

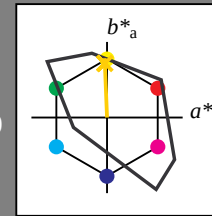
chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

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blackness n^*

blackness n^*

blackness n^*

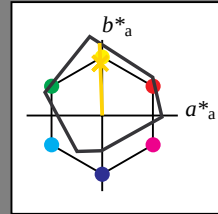
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

blackness n^*

blackness n^*

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

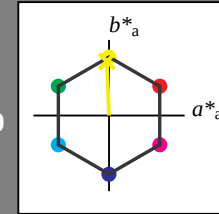
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

blackness n^*

blackness n^*

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

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

OE400-7, 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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

triangle lightness

triangle lightness

triangle lightness

triangle lightness

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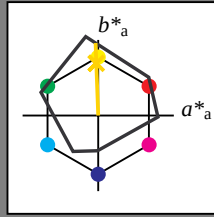
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness

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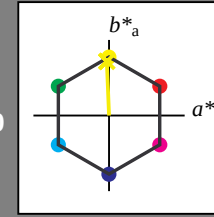
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

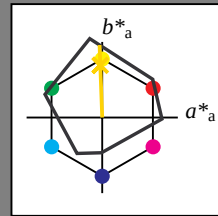
0,50

0,75

1,00

blackness n^*

chromaticness c^*



DRSXX; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

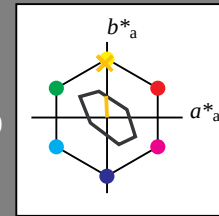
0,50

0,75

1,00

blackness n^*

chromaticness c^*



TLS70; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

OE400-7, 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 Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

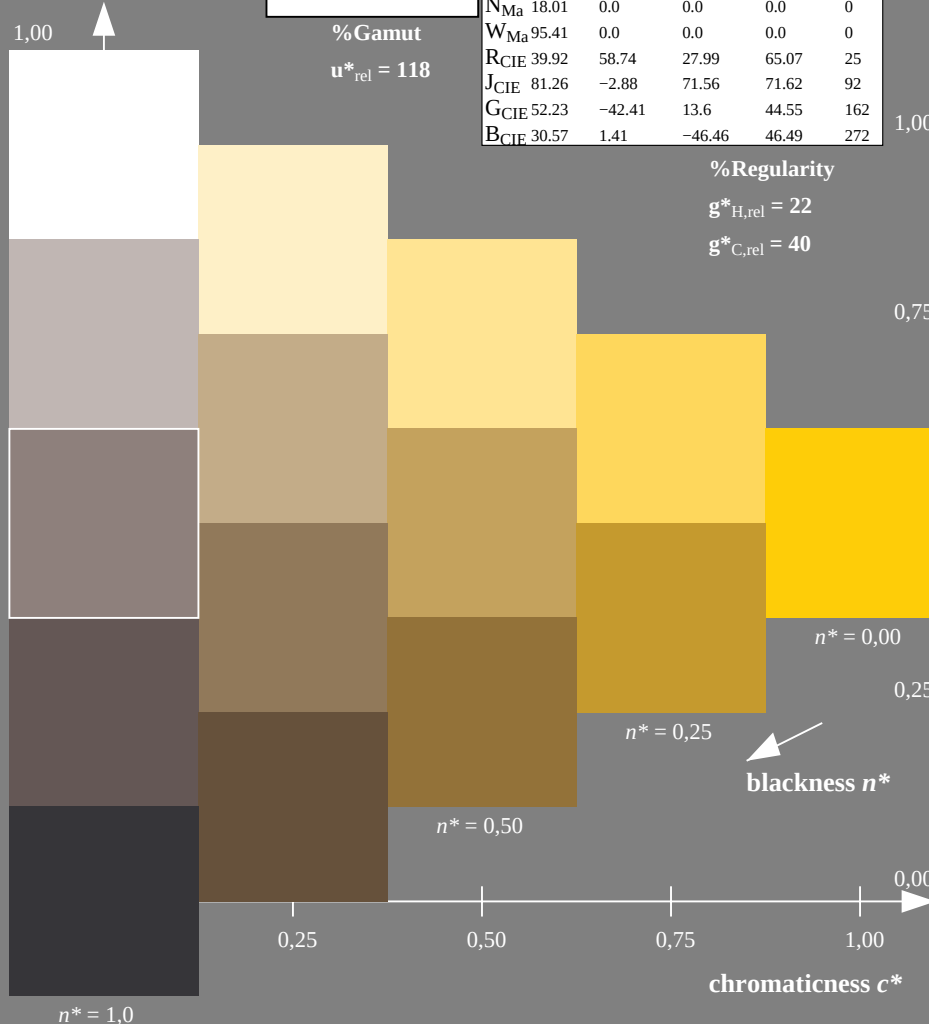
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness



OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

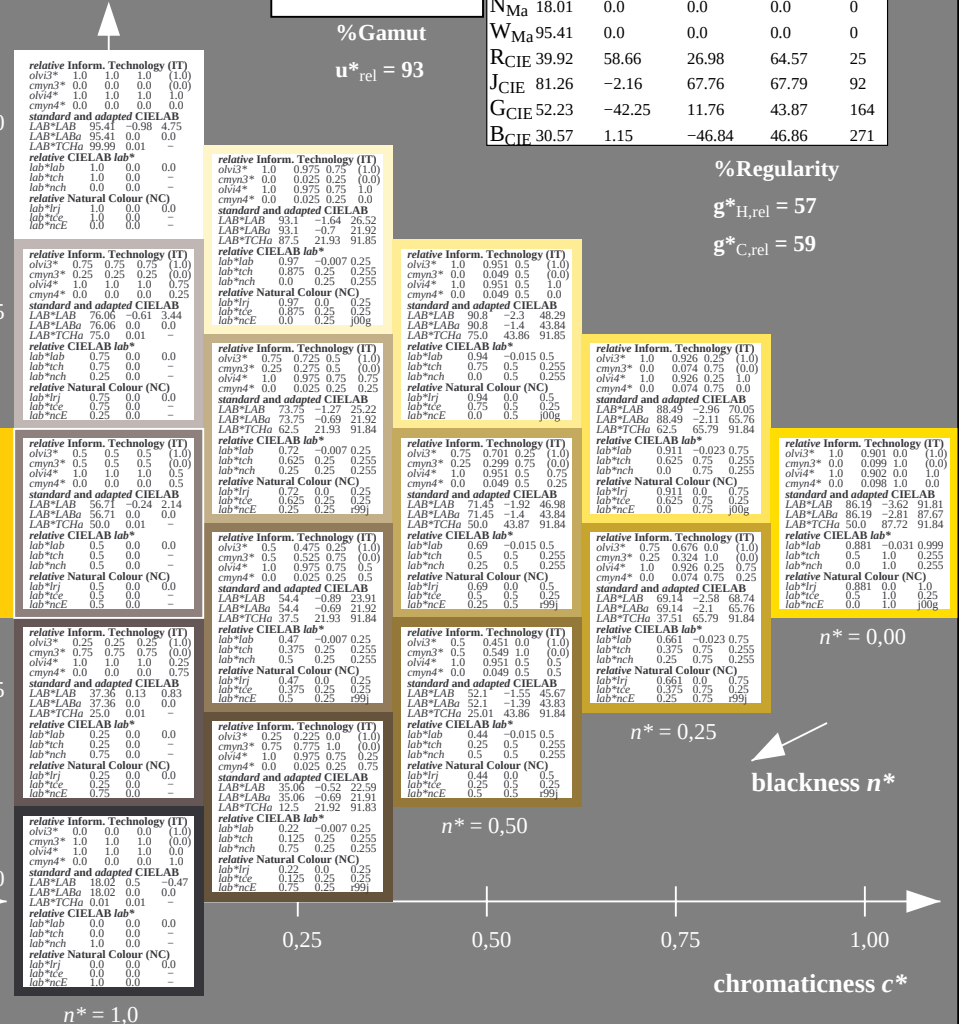
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness



5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

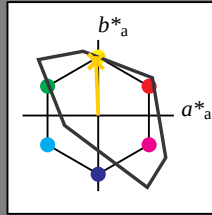
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

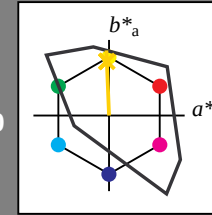
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

1,00

0,75

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

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

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

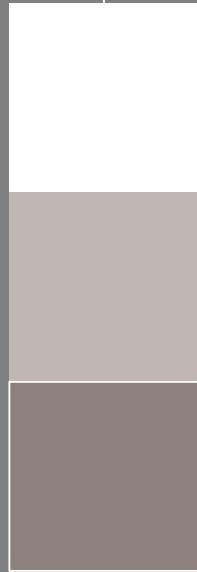
D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

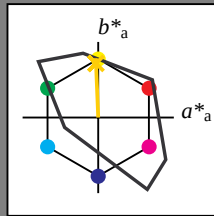
triangle lightness

1,00



$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,75

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

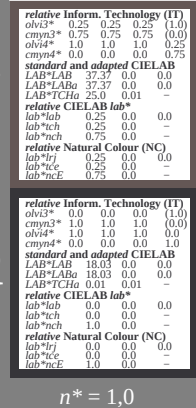
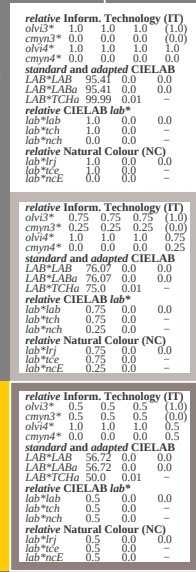
D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

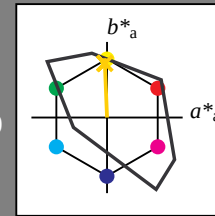
triangle lightness

1,00



$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

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relative Inform. Technology (IT)

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 0,50$

chromaticness c^*

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

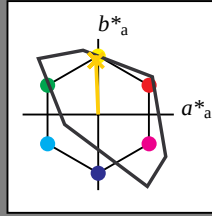
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

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

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0,00

0,00

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

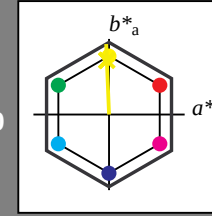
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

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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relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

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relative Inform. Technology (IT)

standard and adapted CIELAB

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relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

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)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

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relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

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relative Inform. Technology (IT)

standard and adapted CIELAB

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relative Natural Colour (NC)

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relative Inform. Technology (IT)

standard and adapted CIELAB

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relative Natural Colour (NC)

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relative Inform. Technology (IT)

standard and adapted CIELAB

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relative Natural Colour (NC)

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standard and adapted CIELAB

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standard and adapted CIELAB

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relative Natural Colour (NC)

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relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative CIELAB lab*

relative Inform. Technology (IT)

standard and adapted CIELAB

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

triangle lightness

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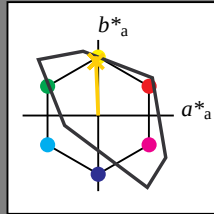
triangle lightness

triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

triangle lightness

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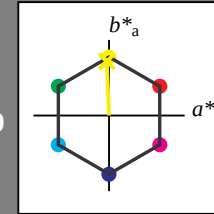
triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

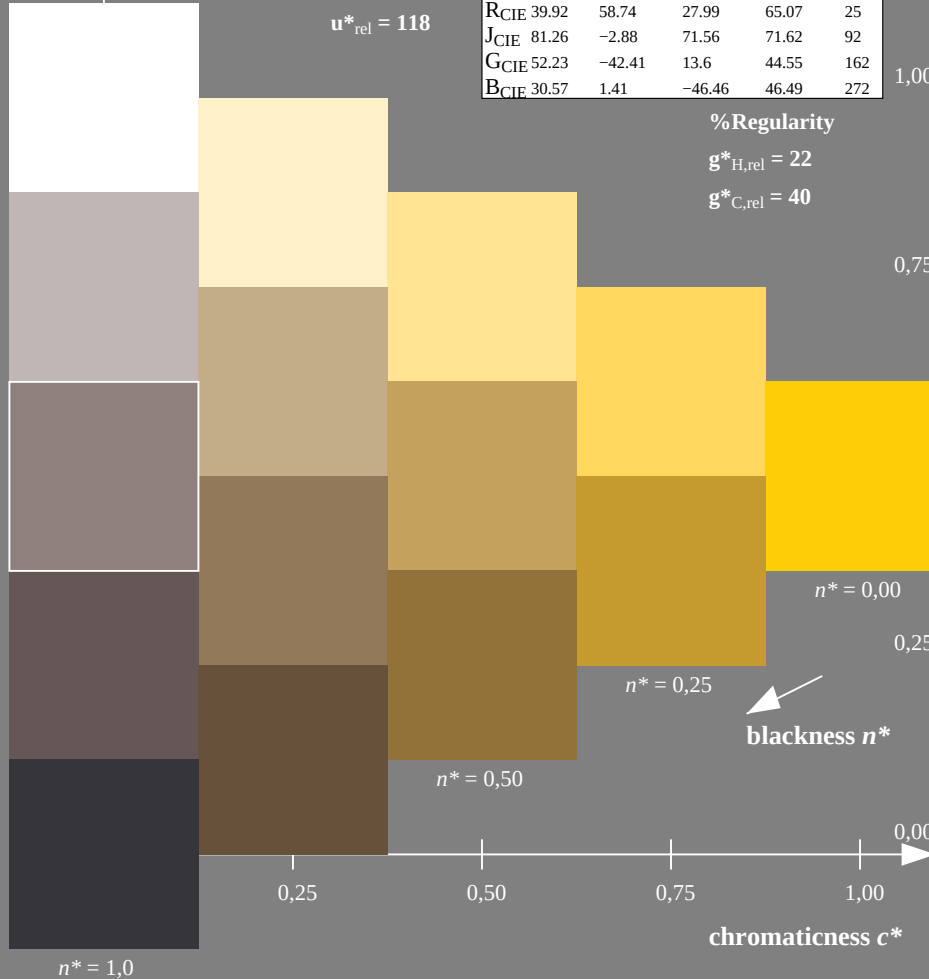
D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00



OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

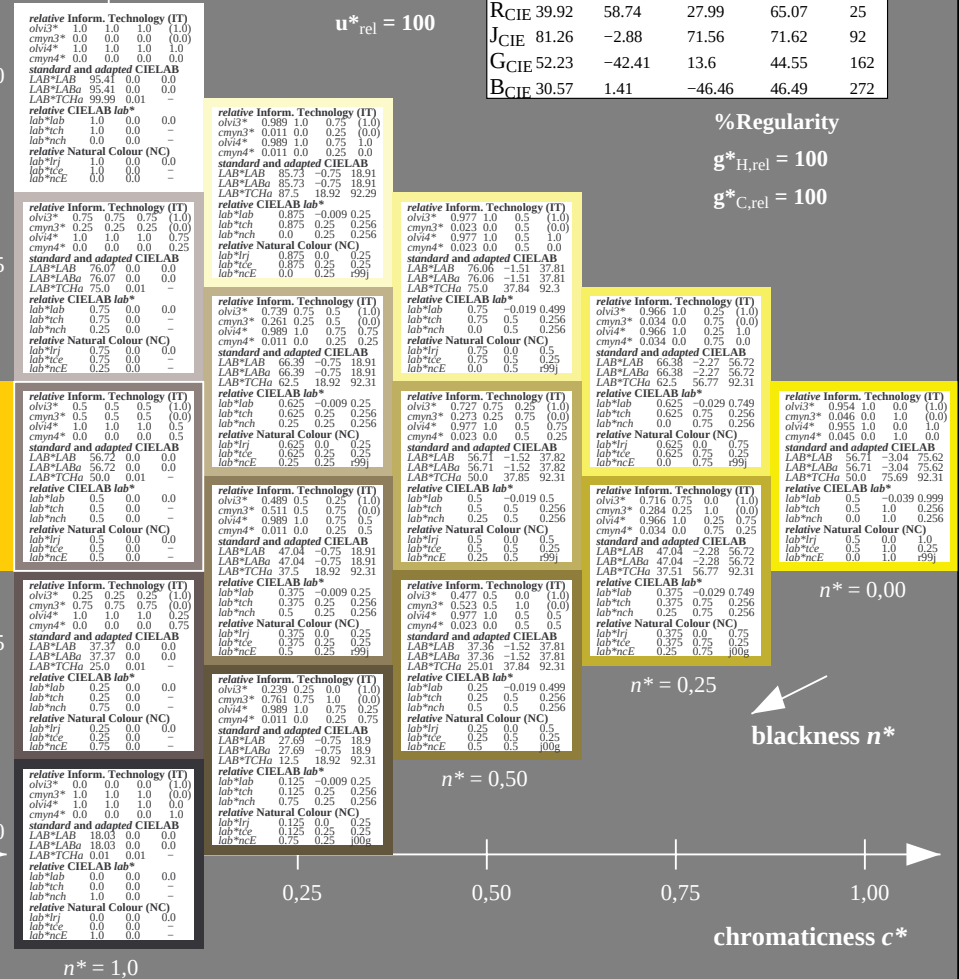
D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

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blackness n^*

blackness n^*

blackness n^*

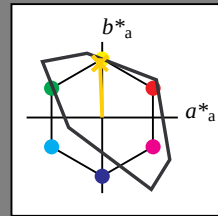
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS18; adapted (a) CIELAB data	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

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blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

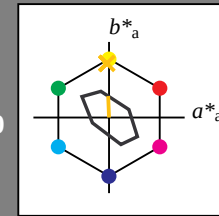
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS70; adapted (a) CIELAB data	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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^*

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

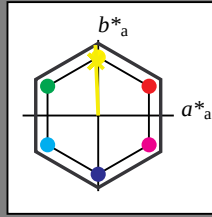
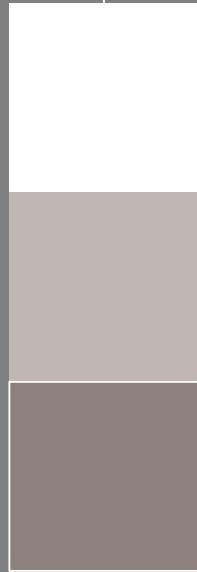
D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

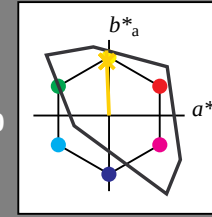
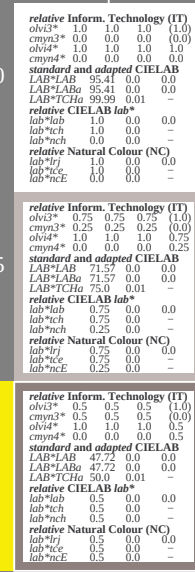
D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

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)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

blackness n^*

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blackness n^*

0,25

0,50

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

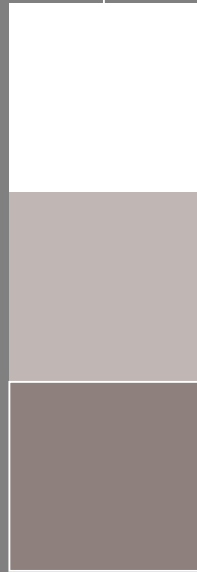
D65: hue J

LCH*Ma: 62 93 92

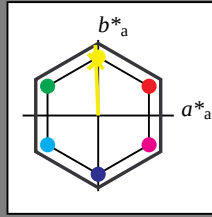
olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

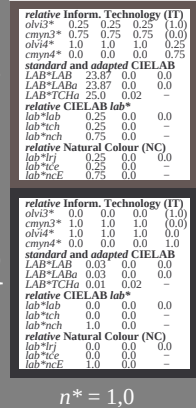
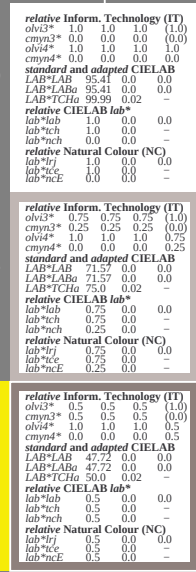
D65: hue J

LCH*Ma: 62 93 92

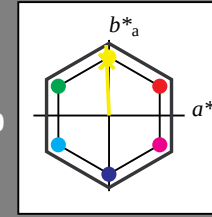
olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



$n^* = 1,0$



% Gamut

$u^*_{rel} = 152$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

0,25

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chromaticness c^*

blackness n^*

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blackness n^*

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chromaticness c^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

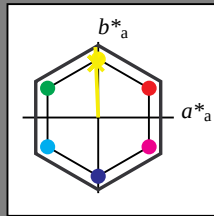
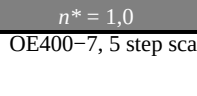
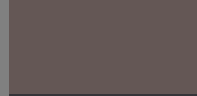
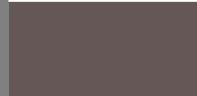
D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

1,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

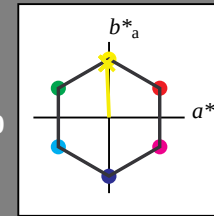
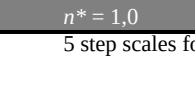
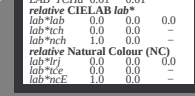
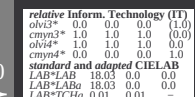
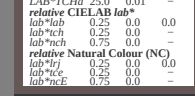
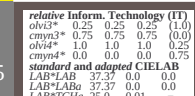
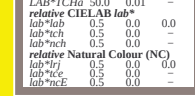
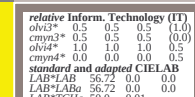
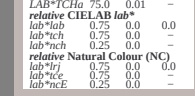
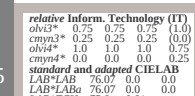
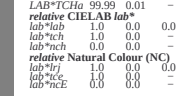
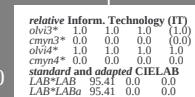
D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

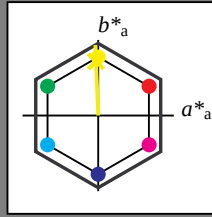
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

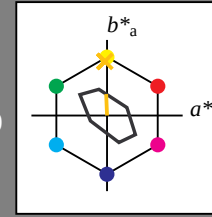
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,75

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

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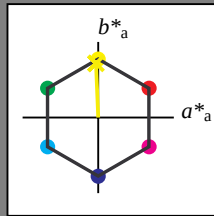
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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Output: Colorimetric Offset 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

olv*Ma: 1.0 0.9 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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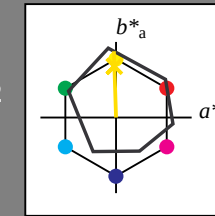
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



%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^*

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ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

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OE400-7, 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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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chromaticness c^*

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chromaticness c^*

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chromaticness c^*

blackness n^*

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0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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blackness n^*

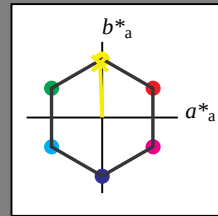
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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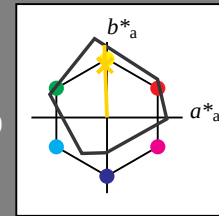
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

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OE400-7, 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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

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$n^* = 1,0$

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blackness n^*

chromaticness c^*

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Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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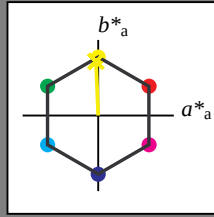
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triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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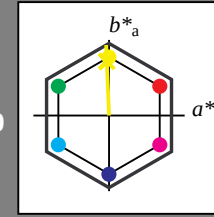
triangle lightness

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NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

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$n^* = 1,0$

chromaticness c^*

blackness n^*

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Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

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blackness n^*

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

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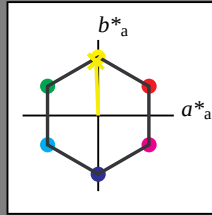
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% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

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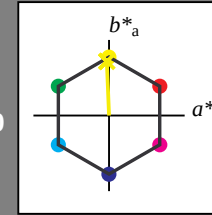
triangle lightness

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% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

blackness n^*

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

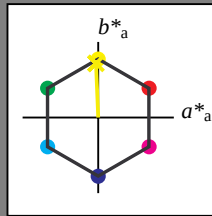
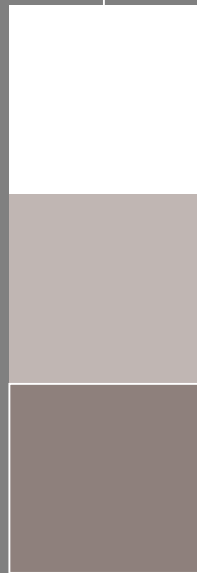
D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

relative Inform. Technology (IT)					
olv3*	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	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*TCBa	99.99	0.0	-		
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)					
olv3*	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	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*TCBa	75.0	0.0	-		
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)					
olv3*	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	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
LAB*TCBa	50.0	0.0	-		
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	-		

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

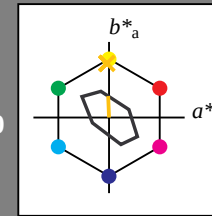
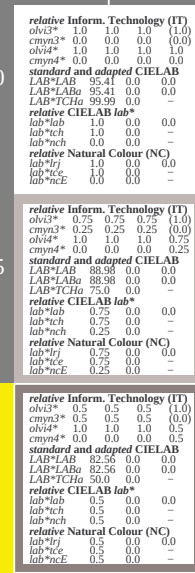
D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)					
olv3*	1.0	1.0	0.935	0.75	(1.0)
cmyn3*	0.0	0.0	0.065	0.25	(0.0)
olvi4*	1.0	1.0	0.935	0.75	1.0
cmyn4*	0.0	0.0	0.065	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	93.9	-0.28	7.09		
LAB*LABa	93.9	-0.28	7.09		
LAB*TCBa	99.99	0.0	-		
relative CIELAB lab*					
lab*lab	0.941	-0.009	0.25		
lab*ch	0.875	0.25	0.256		
lab*nch	0.0	0.25	0.256		
relative Natural Colour (NC)					
lab*trj	0.941	0.0	0.25		
lab*nce	0.875	0.25	0.256		
relative Inform. Technology (IT)					
olv3*	0.75	0.685	0.5	(1.0)	
cmyn3*	0.25	0.315	0.5	(0.0)	
olvi4*	1.0	0.935	0.75	0.75	
cmyn4*	0.0	0.065	0.25	0.25	
standard and adapted CIELAB					
LAB*LAB	87.48	-0.28	7.09		
LAB*LABa	87.48	-0.28	7.09		
LAB*TCBa	92.5	7.1	92.31		
relative CIELAB lab*					
lab*lab	0.691	-0.009	0.25		
lab*ch	0.625	0.25	0.256		
lab*nch	0.25	0.25	0.256		
relative Natural Colour (NC)					
lab*trj	0.691	0.0	0.25		
lab*nce	0.625	0.25	0.256		
relative Inform. Technology (IT)					
olv3*	0.5	0.435	0.25	(1.0)	
cmyn3*	0.5	0.565	0.25	(0.0)	
olvi4*	1.0	0.935	0.75	0.5	
cmyn4*	0.0	0.065	0.25	0.5	
standard and adapted CIELAB					
LAB*LAB	81.05	-0.28	7.09		
LAB*LABa	81.05	-0.28	7.09		
LAB*TCBa	37.5	7.1	92.31		
relative CIELAB lab*					
lab*lab	0.441	-0.009	0.25		
lab*ch	0.375	0.25	0.256		
lab*nch	0.5	0.25	0.256		
relative Natural Colour (NC)					
lab*trj	0.441	0.0	0.25		
lab*nce	0.375	0.25	0.256		

relative Inform. Technology (IT)					
olv3*	1.0	0.87	0.5	(1.0)	
cmyn3*	0.0	0.13	0.5	(0.0)	
olvi4*	1.0	0.87	0.5	0.5	
cmyn4*	0.0	0.13	0.5	0.0	
standard and adapted CIELAB					
LAB*LAB	92.4	-0.57	14.19		
LAB*LABa	92.4	-0.57	14.19		
LAB*TCBa	75.0	14.2	92.32		
relative CIELAB lab*					
lab*lab	0.883	-0.019	0.499		
lab*ch	0.75	0.5	0.256		
lab*nch	0.0	0.5	0.256		
relative Natural Colour (NC)					
lab*trj	0.883	0.0	0.25		
lab*nce	0.75	0.5	0.256		

relative Inform. Technology (IT)					
olv3*	1.0	0.805	0.25	(1.0)	
cmyn3*	0.0	0.195	0.75	(0.0)	
olvi4*	1.0	0.805	0.25	1.0	
cmyn4*	0.0	0.195	0.75	0.0	
standard and adapted CIELAB					
LAB*LAB	80.89	-0.85	21.28		
LAB*LABa	80.89	-0.85	21.28		
LAB*TCBa	62.5	21.3	92.32		
relative CIELAB lab*					
lab*lab	0.824	-0.029	0.749		
lab*ch	0.625	0.75	0.256		
lab*nch	0.0	0.75	0.256		
relative Natural Colour (NC)					
lab*trj	0.824	0.0	0.75		
lab*nce	0.625	0.75	0.256		

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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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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1,00

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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chromaticness c^*

blackness n^*

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blackness n^*

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chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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blackness n^*

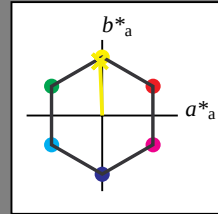
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

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blackness n^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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blackness n^*

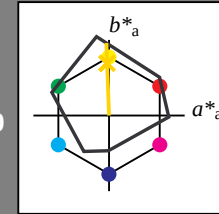
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

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blackness n^*

blackness n^*

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OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

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chromaticness c^*

blackness n^*

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blackness n^*

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chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

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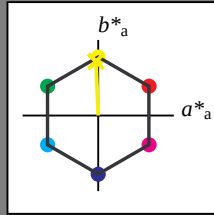
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0,25

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0,75

1,00



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

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0,75

1,00

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

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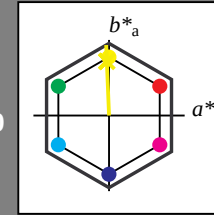
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NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

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0,75

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1,00

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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chromaticness c^*

blackness n^*

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Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

triangle lightness

triangle lightness

triangle lightness

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triangle lightness

triangle lightness

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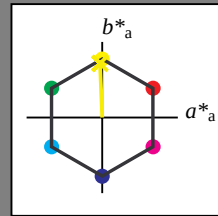
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

triangle lightness

triangle lightness

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triangle lightness

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

triangle lightness

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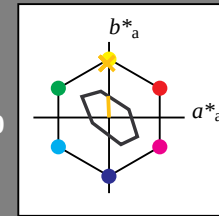
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



TLS70; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

triangle lightness

triangle lightness

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OE400-7, 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 Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

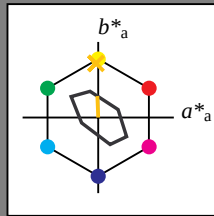
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

blackness n^*

Output: Colorimetric Offset 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

olv*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^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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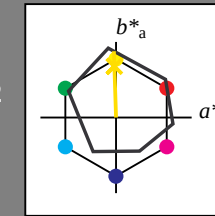
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

blackness n^*

blackness n^*

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blackness n^*

OE400-7, 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 Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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blackness n^*

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blackness n^*

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blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

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

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

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1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

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chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

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0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

5 step scales for constant CIELAB hue $92/360 = 0.256$ (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

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0,75

1,00

chromaticness c^*

blackness n^*

0,25

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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^*

blackness n^*

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chromaticness c^*

blackness n^*

0,25

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^*

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

↑

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blackness n^*

chromaticness c^*

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Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

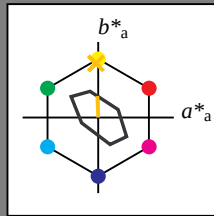
$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

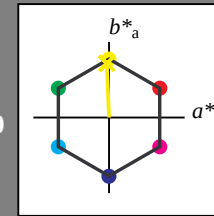
$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

%Gamut

$u^*_{rel} = 100$

OE400-7, 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 Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

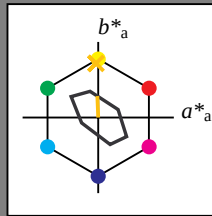
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*lab

lab*lab

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lab*lab

lab*lab

lab*lab

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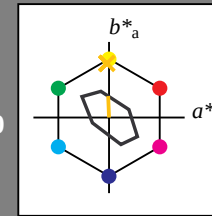
lab*lab

lab*lab

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lab*lab



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*lab

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OE400-7, 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 Offset 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

olv*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

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

blackness n^*

$n^* = 0,00$

0,25

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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^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

blackness n^*

0,25

0,50

Input: Colorimetric Offset 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

olv*Ma: 0.0 1.0 0.25

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

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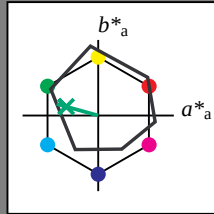
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	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

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

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0,25 0,50 0,75 1,00

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25 0,50 0,75 1,00

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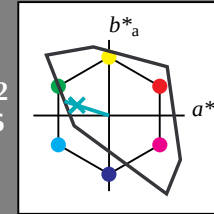
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	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

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OE400-7, 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 Offset 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

olv*Ma: 0.0 1.0 0.25

triangle lightness

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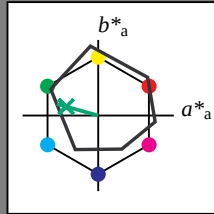
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% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

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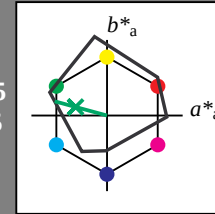
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% Gamut

$u^*_{rel} = 101$

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DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

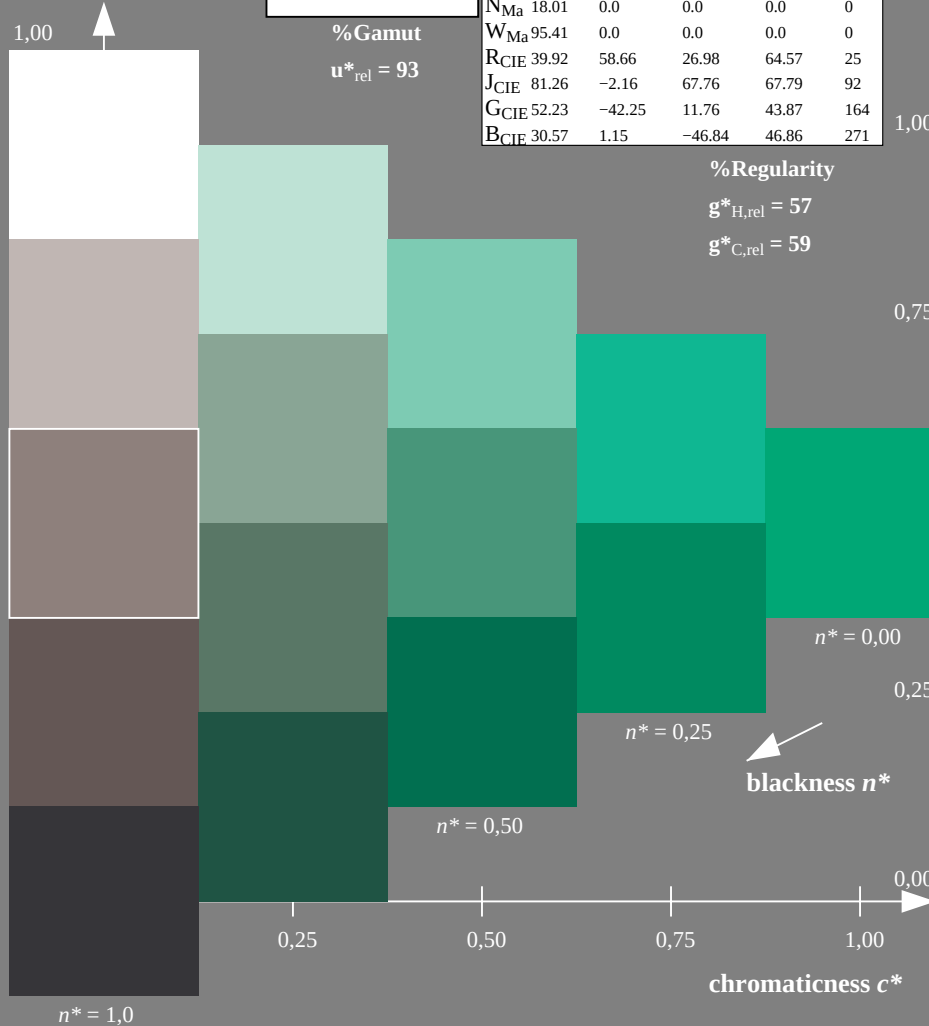
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness



OE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

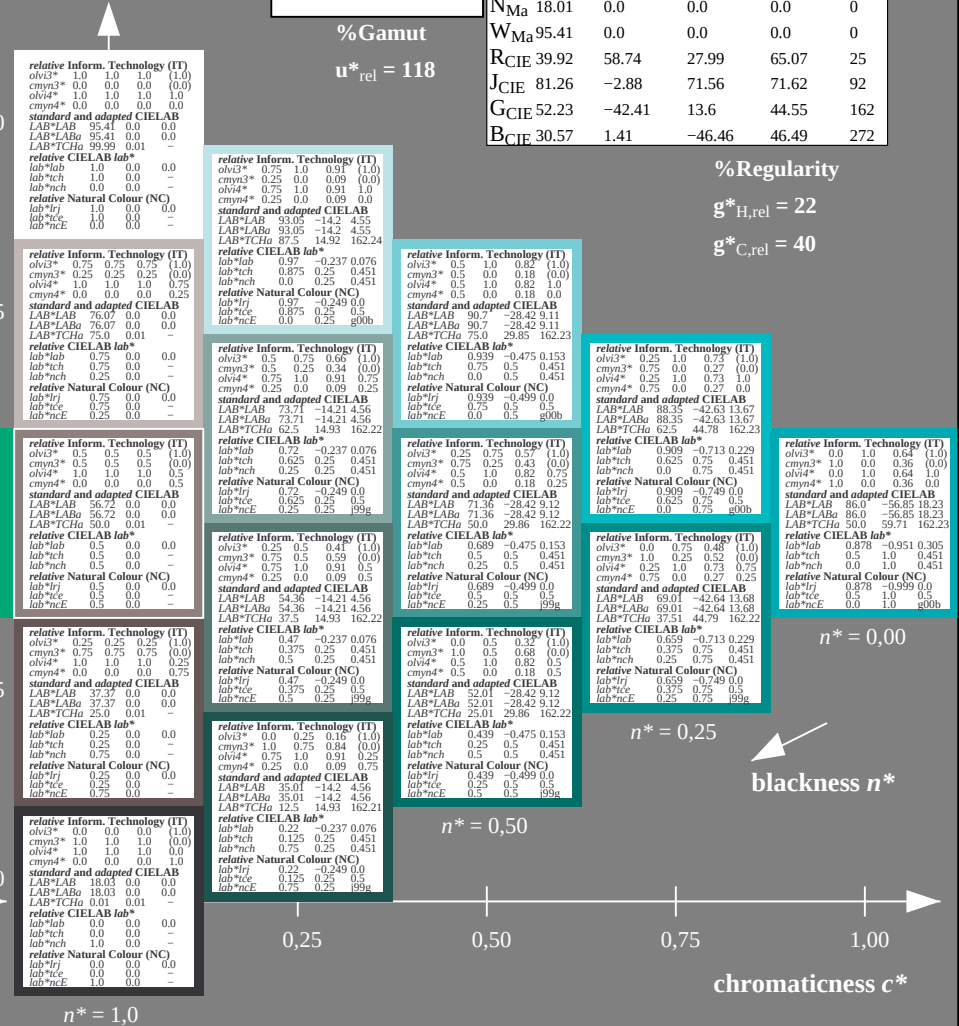
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Offset 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

olv*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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

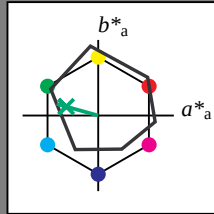
chromaticness c^*

0,25

0,50

0,75

1,00



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

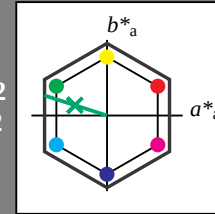
chromaticness c^*

0,25

0,50

0,75

1,00



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

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1,00

OE400-7, 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 Offset 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

olv*Ma: 0.0 1.0 0.25

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^*

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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

Input: Colorimetric Offset 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

olv*Ma: 0.0 1.0 0.25

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

0,75

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blackness n^*

chromaticness c^*

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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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0,50

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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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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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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 Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

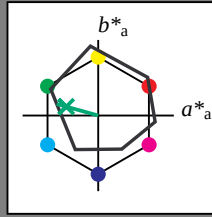
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

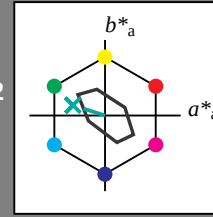
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



% Gamut

$u^*_{rel} = 16$

1,00

0,75

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

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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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0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

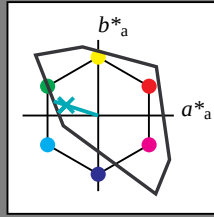
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

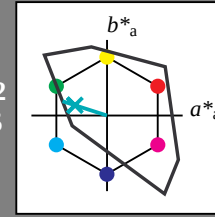
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

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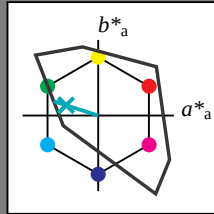
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% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

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Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

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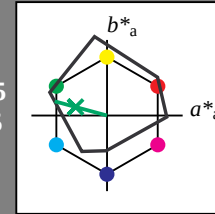
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% Gamut

$u^*_{rel} = 101$

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DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

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OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

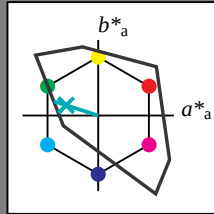
blackness n^*

blackness n^*

blackness n^*

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blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

blackness n^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

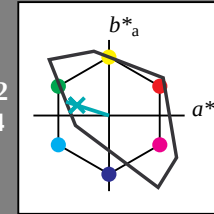
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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^*

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blackness n^*

OE400-7, 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 Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

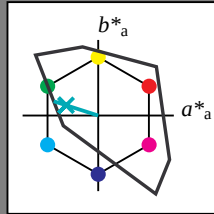
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

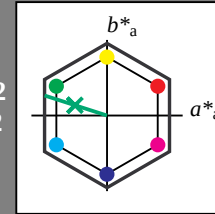
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
MMa	63.61	82.62	-47.69	95.4	330
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

OE400-7, 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 Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

0,25

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0,75

1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

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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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$n^* = 1,0$

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chromaticness c^*

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$n^* = 1,0$

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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^*

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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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$n^* = 1,0$

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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$n^* = 1,0$

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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$n^* = 1,0$

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$n^* = 1,0$

blackness n^*

chromaticness c^*

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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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1,00

$n^* = 1,0$

blackness n^*

chromaticness c^*

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$n^* = 1,0$

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

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

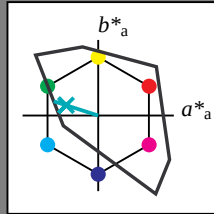
0,50

0,75

1,00

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

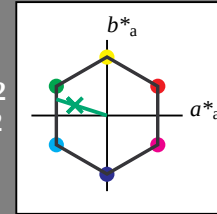
0,50

0,75

1,00

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

chromaticness c^*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

triangle lightness

triangle lightness

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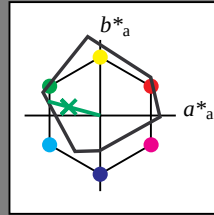
triangle lightness

triangle lightness

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triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

Output: Colorimetric Offset 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

olv*Ma: 0.0 1.0 0.25

triangle lightness

1,00

triangle lightness

triangle lightness

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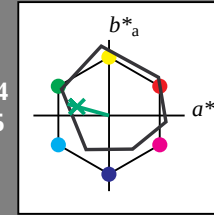
triangle lightness

triangle lightness

triangle lightness

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triangle lightness



%Gamut

$u^*_{rel} = 93$

%Gamut

$u^*_{rel} = 93$

%Gamut

$u^*_{rel} = 93$

%Gamut

$u^*_{rel} = 93$

%Gamut

$u^*_{rel} = 93$

%Gamut

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$u^*_{rel} = 93$

%Gamut

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%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

$g^*_{H,rel} = 57$

OE400-7, 5 step scales for constant CIELAB hue 165/360 = 0.458 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

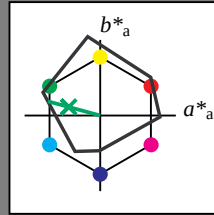
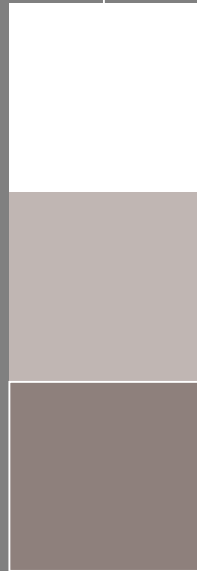
D65: hue G

LCH*Ma: 49 72 165

ol*Ma: 0.0 1.0 0.15

triangle lightness

1,00



% Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 165/360 = 0.458 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

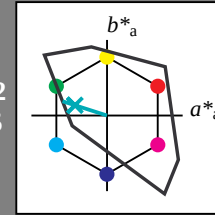
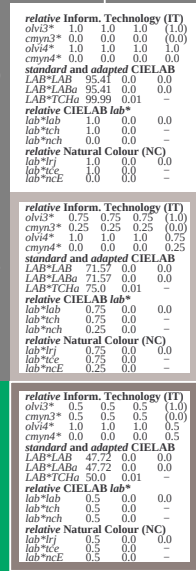
D65: hue G

LCH*Ma: 86 62 162

ol*Ma: 0.0 1.0 0.65

triangle lightness

1,00



% Gamut

$u^*_{rel} = 158$

0,75

$n^* = 0,00$

0,25

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

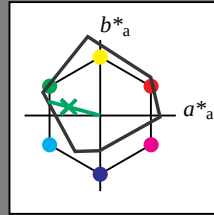
LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 165/360 = 0.458 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

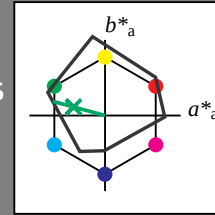
LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olv^*3^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*3^* = 0.0$ 0.0 0.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 96.31$ -0.11 2.58
 $LAB^*LABa = 96.31$ 0.0 0.0
 $LAB^*TCha = 99.99$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.75$ 0.75 0.75 (1.0)
 $cmy^*3^* = 0.25$ 0.25 0.25 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 76.38$ -0.44 2.45
 $LAB^*LABa = 76.38$ 0.0 0.0
 $LAB^*TCha = 75.0$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.5$ 0.5 0.5 (1.0)
 $cmy^*3^* = 0.5$ 0.5 0.5 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 56.44$ -0.76 2.32
 $LAB^*LABa = 56.44$ 0.0 0.0
 $LAB^*TCha = 50.0$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.25$ 0.25 0.25 (1.0)
 $cmy^*3^* = 0.75$ 0.75 0.75 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 36.5$ -1.09 2.19
 $LAB^*LABa = 36.5$ 0.0 0.0
 $LAB^*TCha = 25.0$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
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 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

relative Inform. Technology (IT)
 $olv^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmy^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olvi^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmy^*4^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $LAB^*LAB = 16.57$ -1.41 2.06
 $LAB^*LABa = 16.57$ 0.0 0.0
 $LAB^*TCha = 0.01$ 0.01 -

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

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^*

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0,50

0,75

1,00

blackness n^*

chromaticness c^*

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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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blackness n^*

chromaticness c^*

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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^*

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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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

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

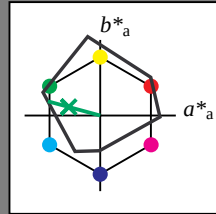
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

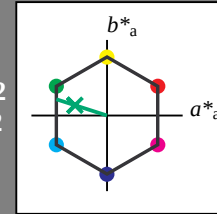
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 165/360 = 0.458 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

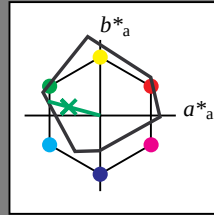
LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 165/360 = 0.458 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

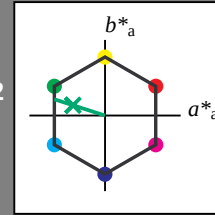
LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

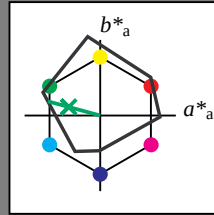
LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 165/360 = 0.458 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

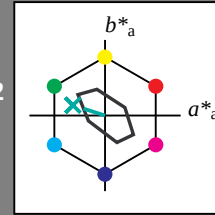
LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

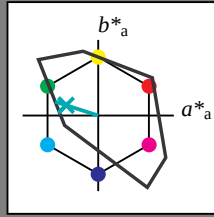
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

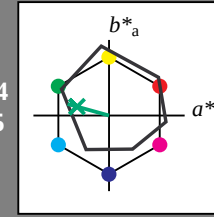
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

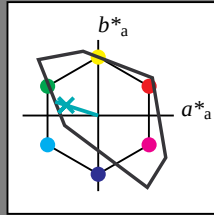
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



%Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

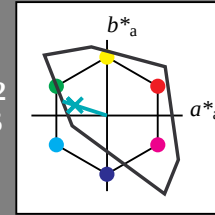
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
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*TCBa	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*trj	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	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)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	71.57	0.0	0.0	0.0	0.0
LAB*TCBa	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	71.57	0.0	0.0	0.0	0.0
LAB*TCBa	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	69.15	0.0	0.0	0.0	0.0
LAB*TCBa	69.15	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	69.15	0.0	0.0	0.0	0.0
LAB*TCBa	69.15	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	69.15	0.0	0.0	0.0	0.0
LAB*TCBa	69.15	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	69.15	0.0	0.0	0.0	0.0
LAB*TCBa	69.15	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	69.15	0.0	0.0	0.0	0.0
LAB*TCBa	69.15	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	69.15	0.0	0.0	0.0	0.0
LAB*TCBa	69.15	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	69.15	0.0	0.0	0.0	0.0
LAB*TCBa	69.15	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*trj	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	0.0	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)

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

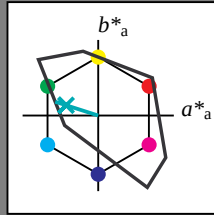
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

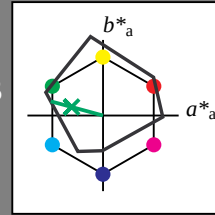
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$cmyn3^*$	$cmyn4^*$	lab^*tch
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	96.31	0.0	0.0	0.0	0.0
LAB*TCRa	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$cmyn3^*$	$cmyn4^*$	lab^*tch
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.38	0.0	0.0	0.0	0.0
LAB*TCRa	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$cmyn3^*$	$cmyn4^*$	lab^*tch
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	56.44	0.0	0.0	0.0	0.0
LAB*TCRa	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$cmyn3^*$	$cmyn4^*$	lab^*tch
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	16.57	0.0	0.0	0.0	0.0
LAB*TCRa	0.01	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*trj	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*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

% Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$cmyn3^*$	$cmyn4^*$	lab^*tch
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	60.83	0.0	0.0	0.0	0.0
LAB*TCRa	62.5	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*trj	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	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$cmyn3^*$	$cmyn4^*$	lab^*tch
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	52.72	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.453	0.0	0.0	0.0	0.0
lab*trj	0.453	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*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$cmyn3^*$	$cmyn4^*$	lab^*tch
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	32.79	0.0	0.0	0.0	0.0
LAB*TCRa	32.79	0.01	-	-	-
relative CIELAB lab*	1.0	0.0	0.0	0.0	0.0
lab*lab	0.203	0.0	0.0	0.0	0.0
lab*trj	0.203	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*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	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 Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

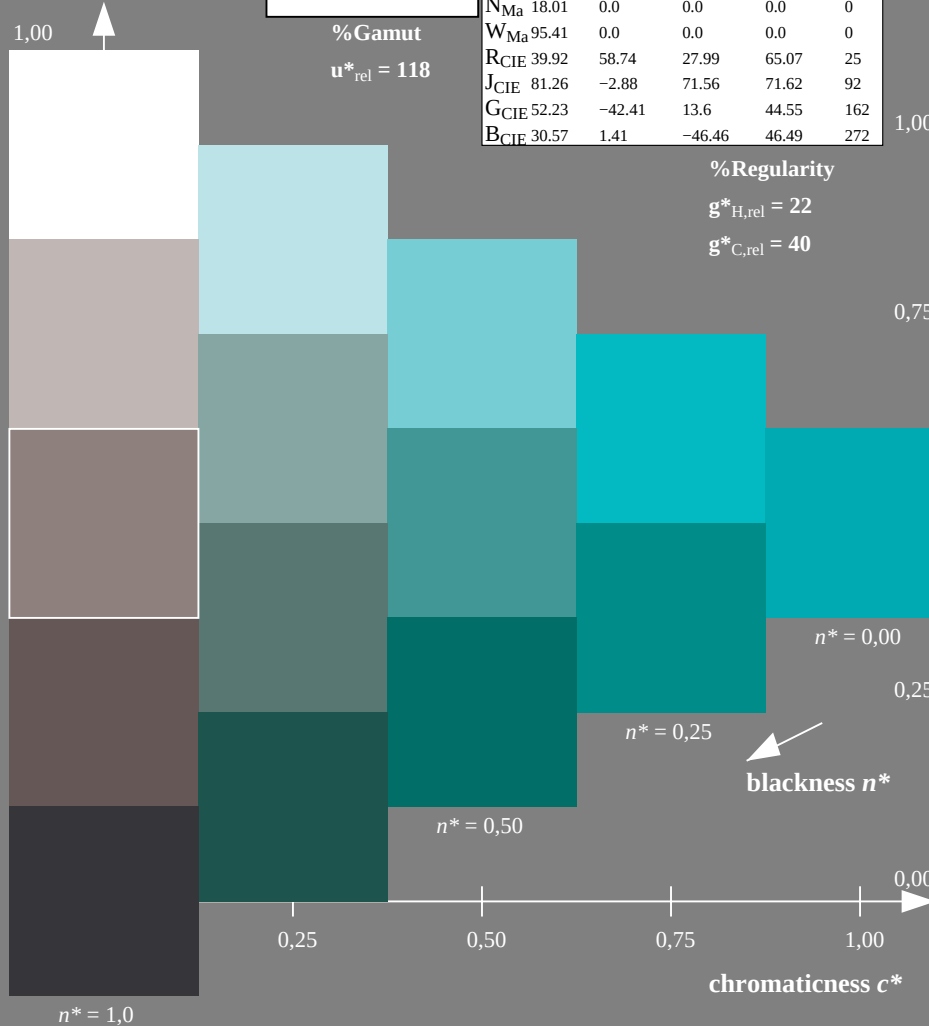
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

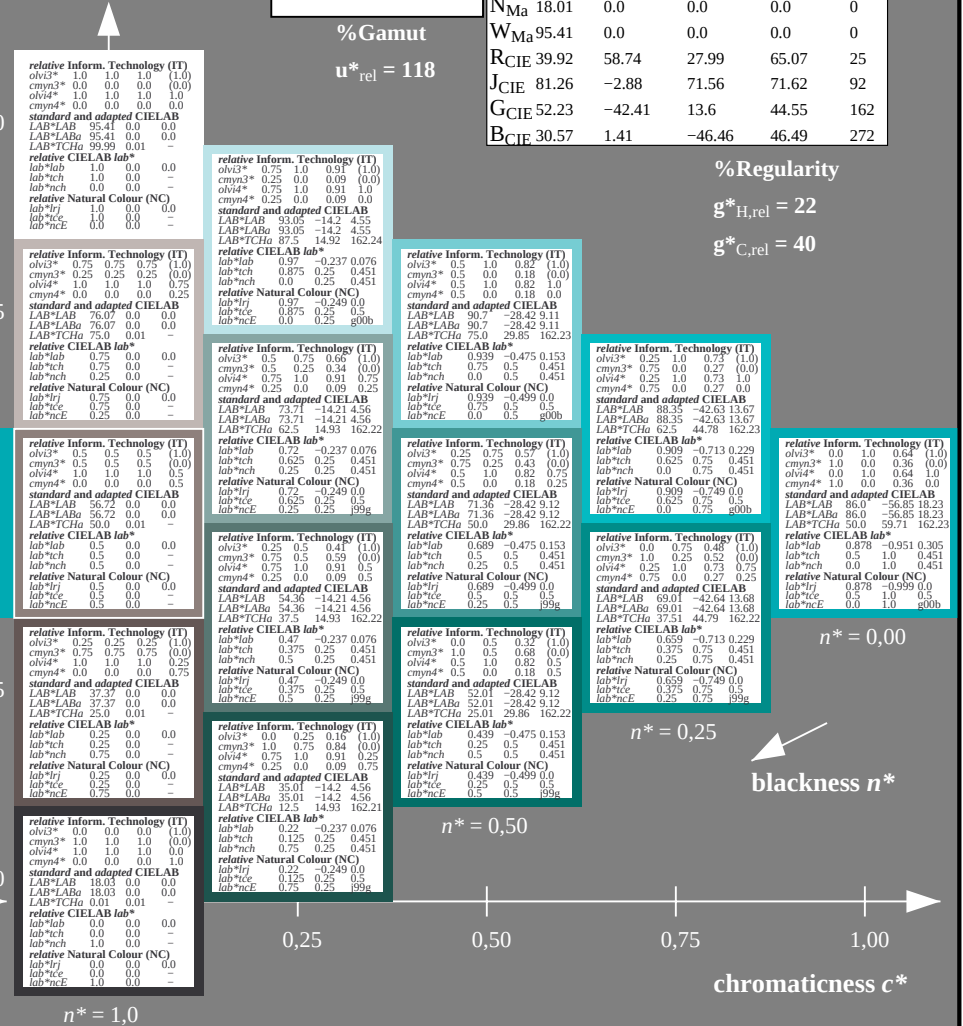
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

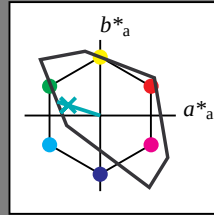
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

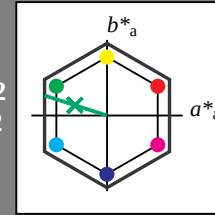
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

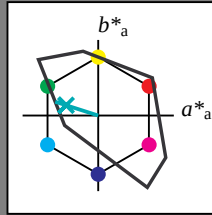
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

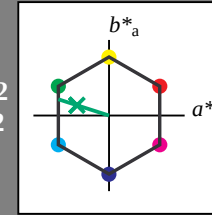
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,50$

0,25

0,00

chromaticness c^*

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

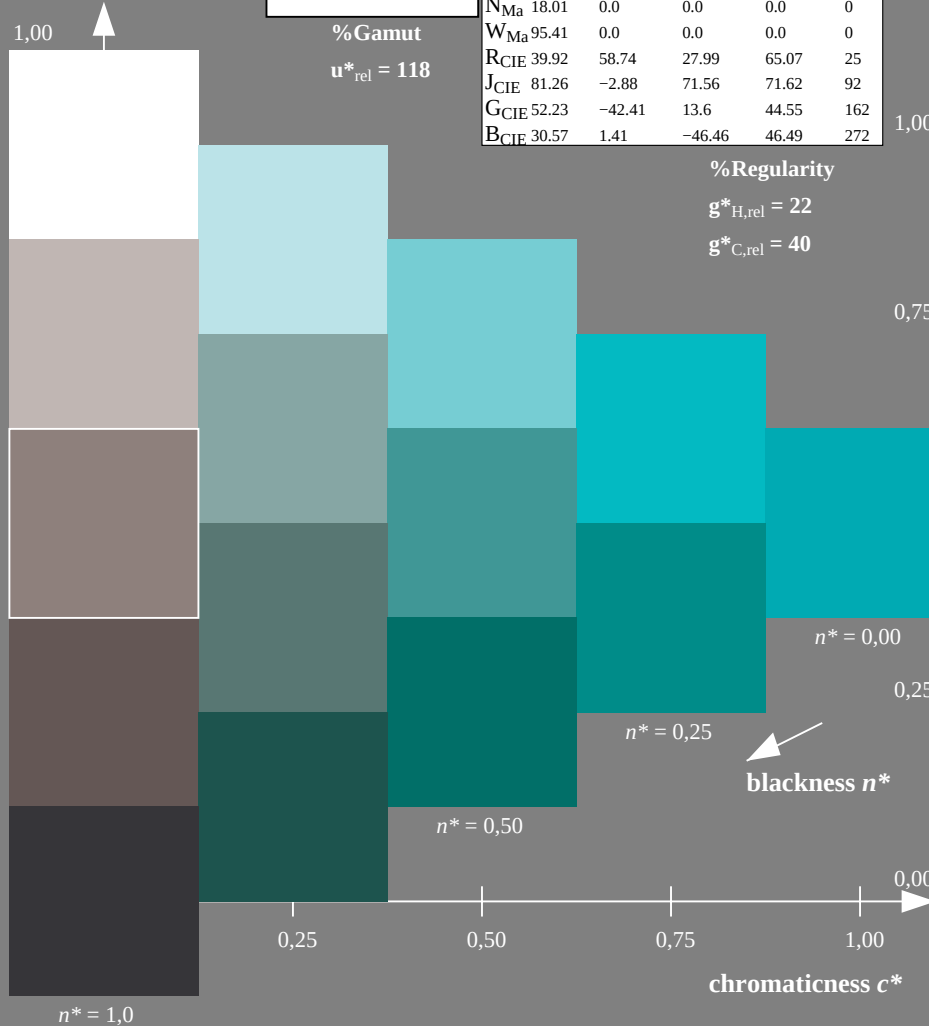
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

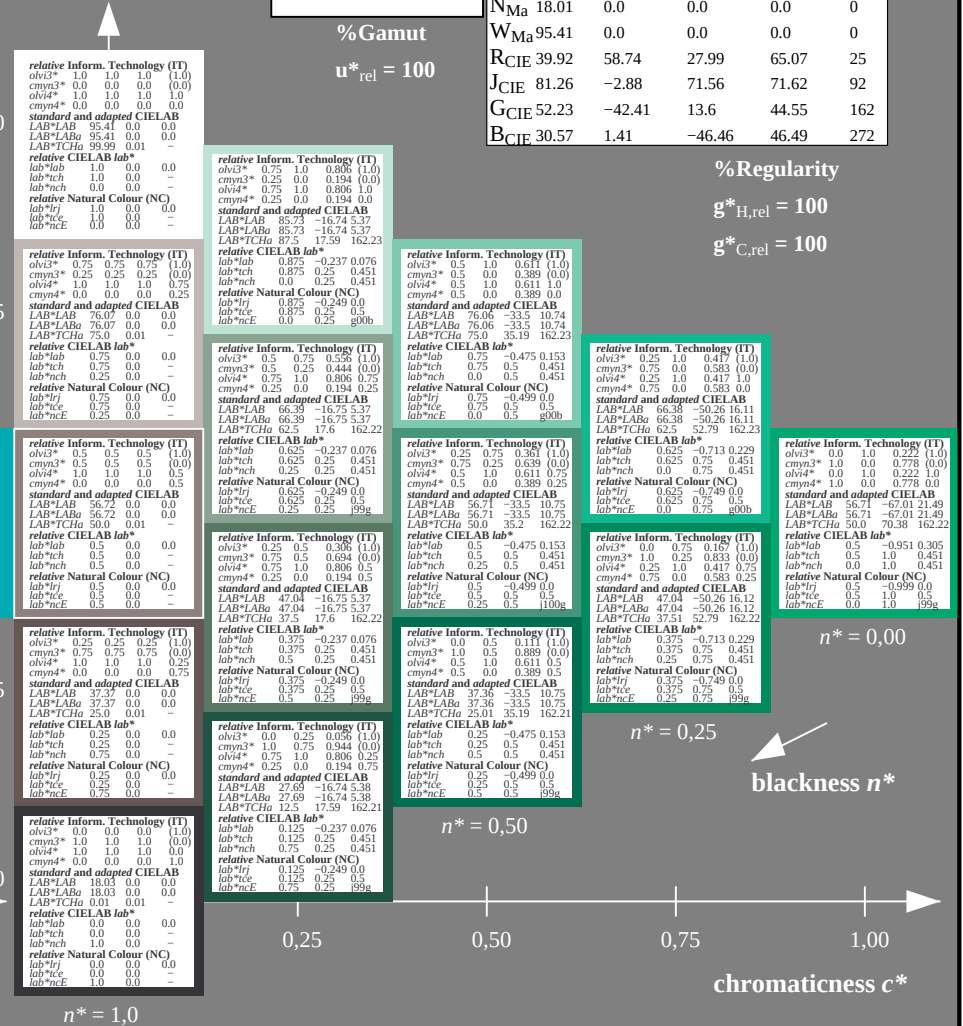
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

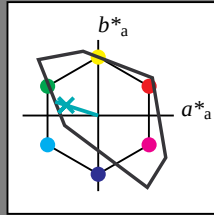
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

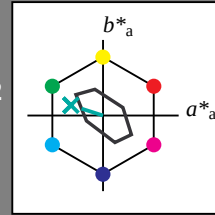
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



% Gamut

$u^*_{rel} = 16$

1,00

0,75

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*TCHa	99.99	0.0	-		
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	1.0	0.883	(1.0)	
cmyn3*	0.25	0.0	0.117	(0.0)	
olvi4*	0.75	1.0	0.884	(1.0)	
cmyn4*	0.25	0.0	0.116	(0.0)	
standard and adapted CIELAB					
LAB*LAB	94.1	-7.09	2.28		
LAB*LABa	94.1	-7.09	2.28		
LAB*TCHa	87.5	7.46	162.24		
relative CIELAB lab*					
lab*lab	0.949	-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	0.949	-0.249	0.0		
lab*nce	0.875	0.25	0.5		
lab*nce	0.0	0.25	0.006		

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	0.767	(1.0)	
cmyn3*	0.5	0.0	0.233	(0.0)	
olvi4*	0.5	1.0	0.767	(1.0)	
cmyn4*	0.5	0.0	0.233	(0.0)	
standard and adapted CIELAB					
LAB*LAB	92.79	-14.2	4.55		
LAB*LABa	92.79	-14.2	4.55		
LAB*TCHa	75.0	14.92	162.23		
relative CIELAB lab*					
lab*lab	0.898	-0.475	0.153		
lab*ch	0.75	0.5	0.451		
lab*nch	0.0	0.5	0.451		
relative Natural Colour (NC)					
lab*trj	0.898	-0.499	0.0		
lab*nce	0.75	0.5	0.5		
lab*nce	0.0	0.5	0.006		

relative Inform. Technology (IT)					
olvi3*	0.25	1.0	0.65	(1.0)	
cmyn3*	0.75	0.0	0.35	(0.0)	
olvi4*	0.25	1.0	0.65	(1.0)	
cmyn4*	0.75	0.0	0.35	(0.0)	
standard and adapted CIELAB					
LAB*LAB	91.48	-21.3	6.83		
LAB*LABa	91.48	-21.3	6.83		
LAB*TCHa	62.5	22.38	162.22		
relative CIELAB lab*					
lab*lab	0.847	-0.713	0.229		
lab*ch	0.625	0.75	0.451		
lab*nch	0.0	0.75	0.451		
relative Natural Colour (NC)					
lab*trj	0.847	-0.749	0.0		
lab*nce	0.625	0.75	0.5		
lab*nce	0.0	0.75	0.006		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.451	(1.0)	
cmyn3*	1.0	0.0	0.466	(0.0)	
olvi4*	0.0	1.0	0.534	(1.0)	
cmyn4*	1.0	0.0	0.466	(0.0)	
standard and adapted CIELAB					
LAB*LAB	90.18	-28.4	9.11		
LAB*LABa	90.18	-28.4	9.11		
LAB*TCHa	50.0	29.84	162.22		
relative CIELAB lab*					
lab*lab	0.796	-0.951	0.305		
lab*ch	0.5	1.0	0.451		
lab*nch	0.0	1.0	0.451		
relative Natural Colour (NC)					
lab*trj	0.796	-0.999	0.0		
lab*nce	0.5	1.0	0.5		
lab*nce	0.0	1.0	0.006		

$n^* = 0,00$

$n^* = 0,25$

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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

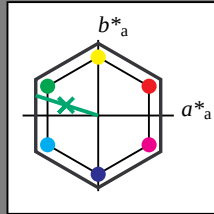
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

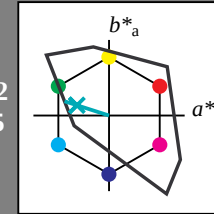
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

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chromaticness c^*

chromaticness c^*

chromaticness c^*

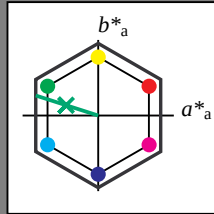
chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

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chromaticness c^*

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chromaticness c^*

chromaticness c^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

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chromaticness c^*

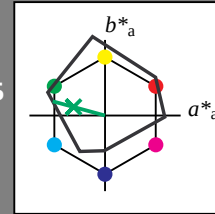
chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

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chromaticness c^*

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

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blackness n^*

blackness n^*

blackness n^*

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blackness n^*

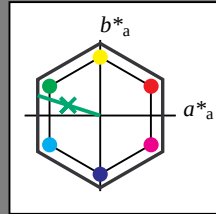
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

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blackness n^*

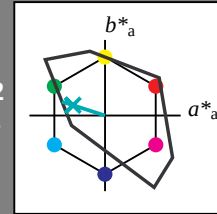
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

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blackness n^*

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

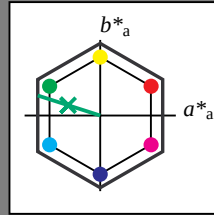
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 152$

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

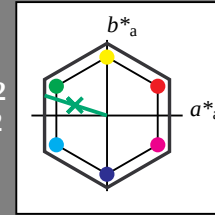
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 152$

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

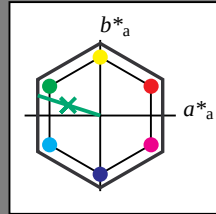
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 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)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 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*

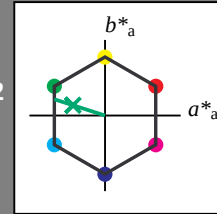
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 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*

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

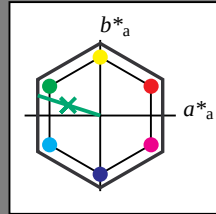
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

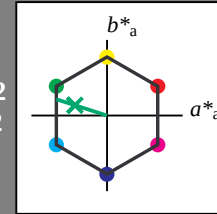
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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^*

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

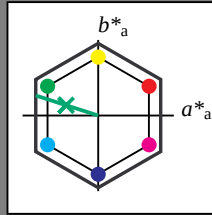
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

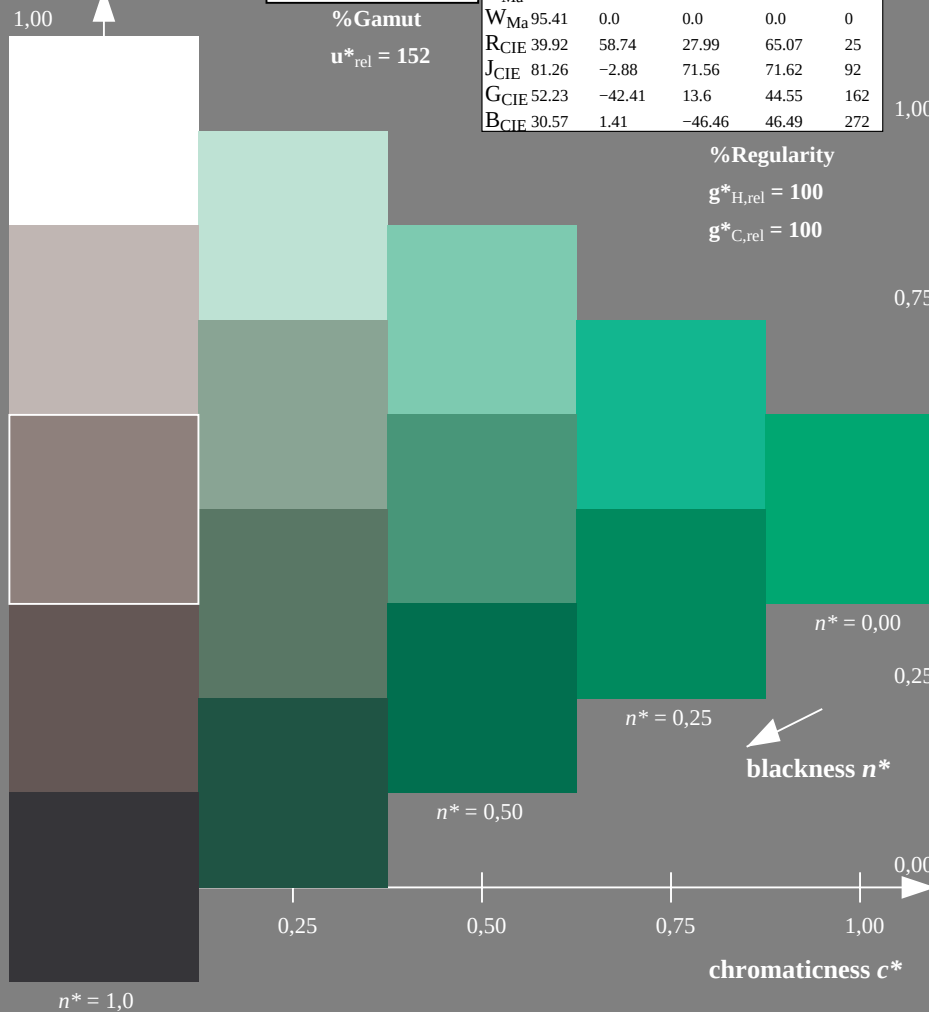


NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

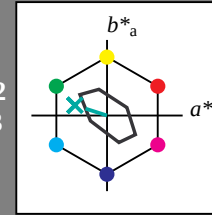
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness

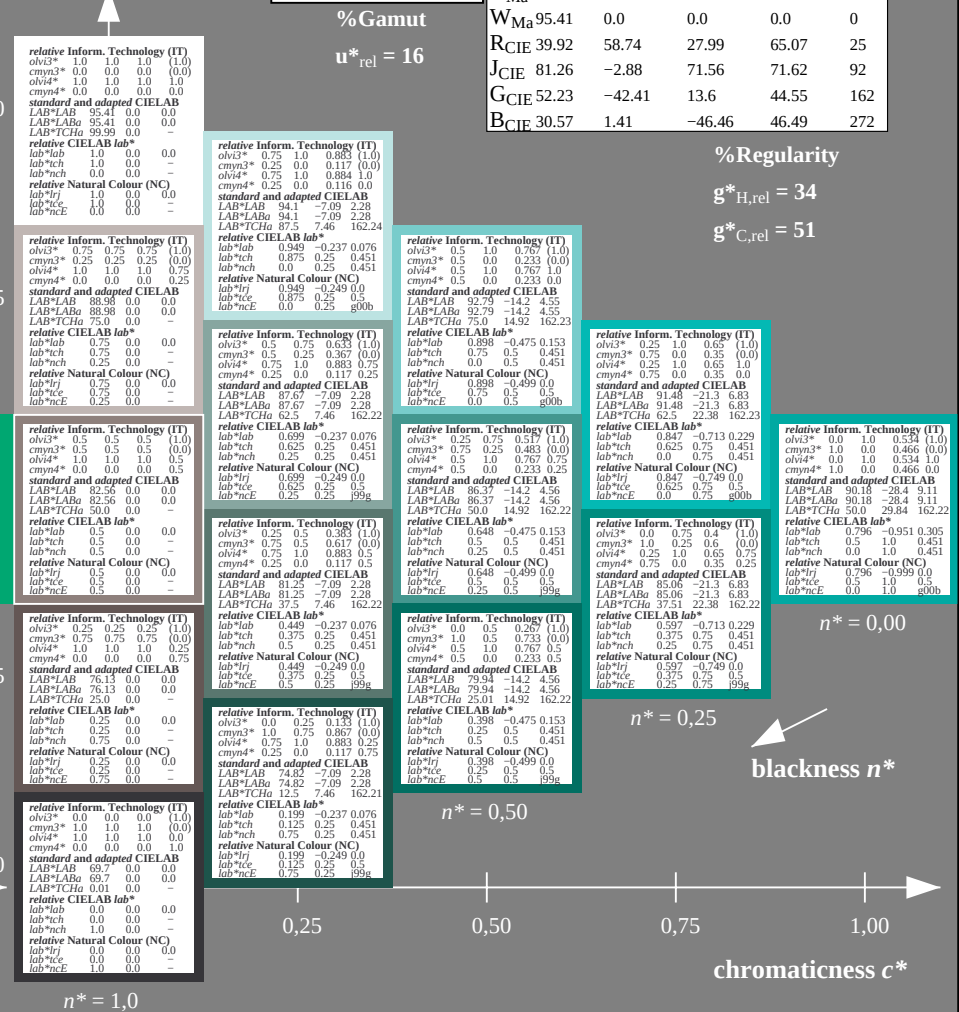


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

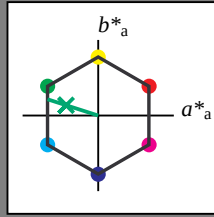
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Gamut

$u^*_{rel} = 100$

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

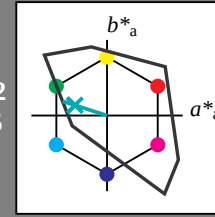
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness



% Gamut

$u^*_{rel} = 158$

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

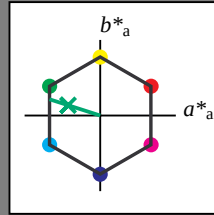
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

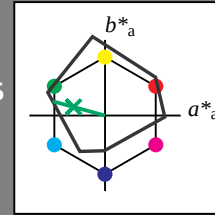
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 165/360 = 0.458 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

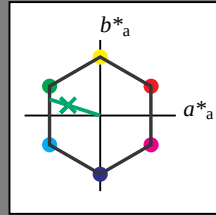
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

blackness n^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

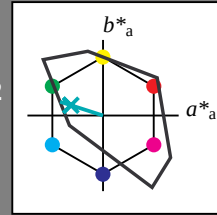
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

OE400-7, 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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

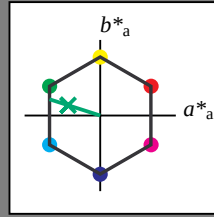
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 100$

1,00

↑

1,00

↑

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

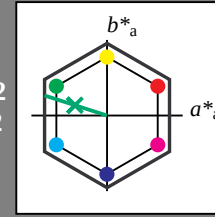
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 152$

1,00

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NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

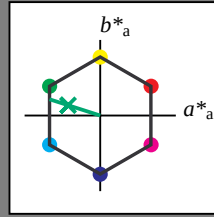
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

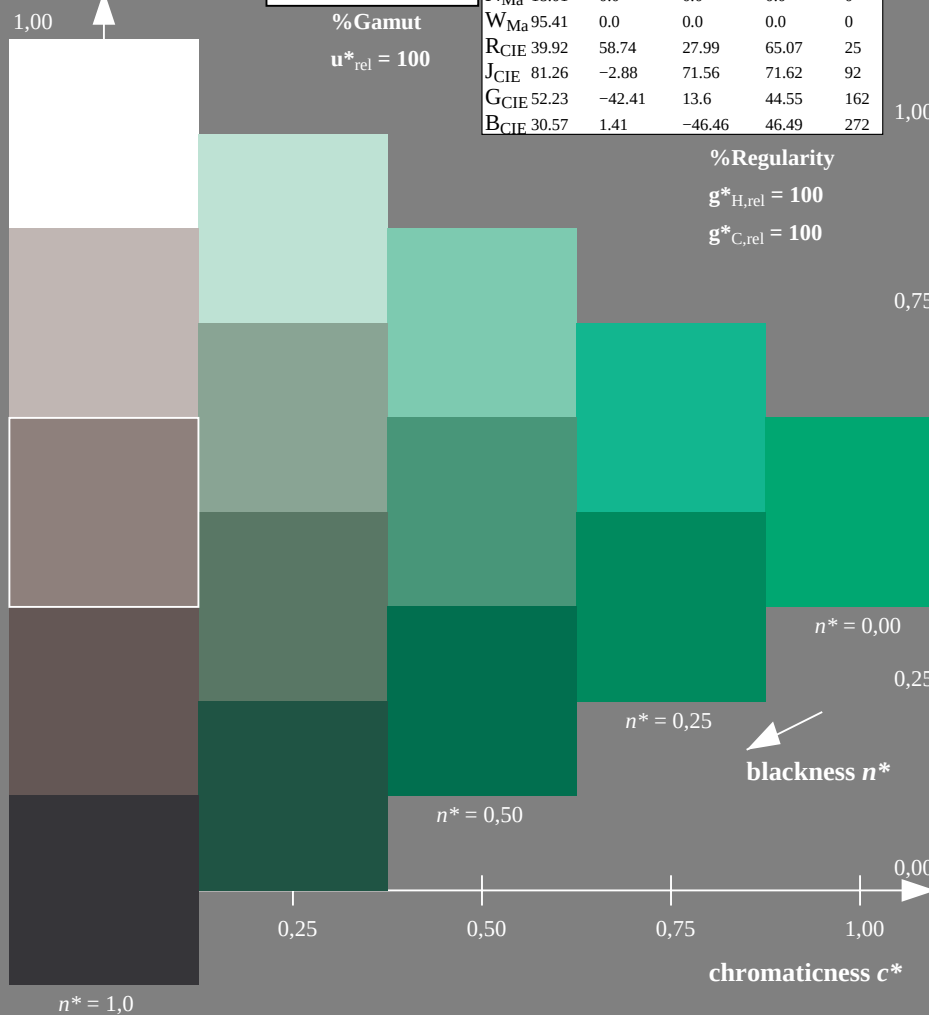


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIE LAB hue 162/360 = 0.451 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

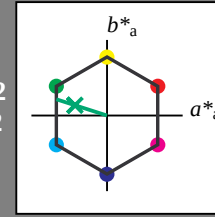
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

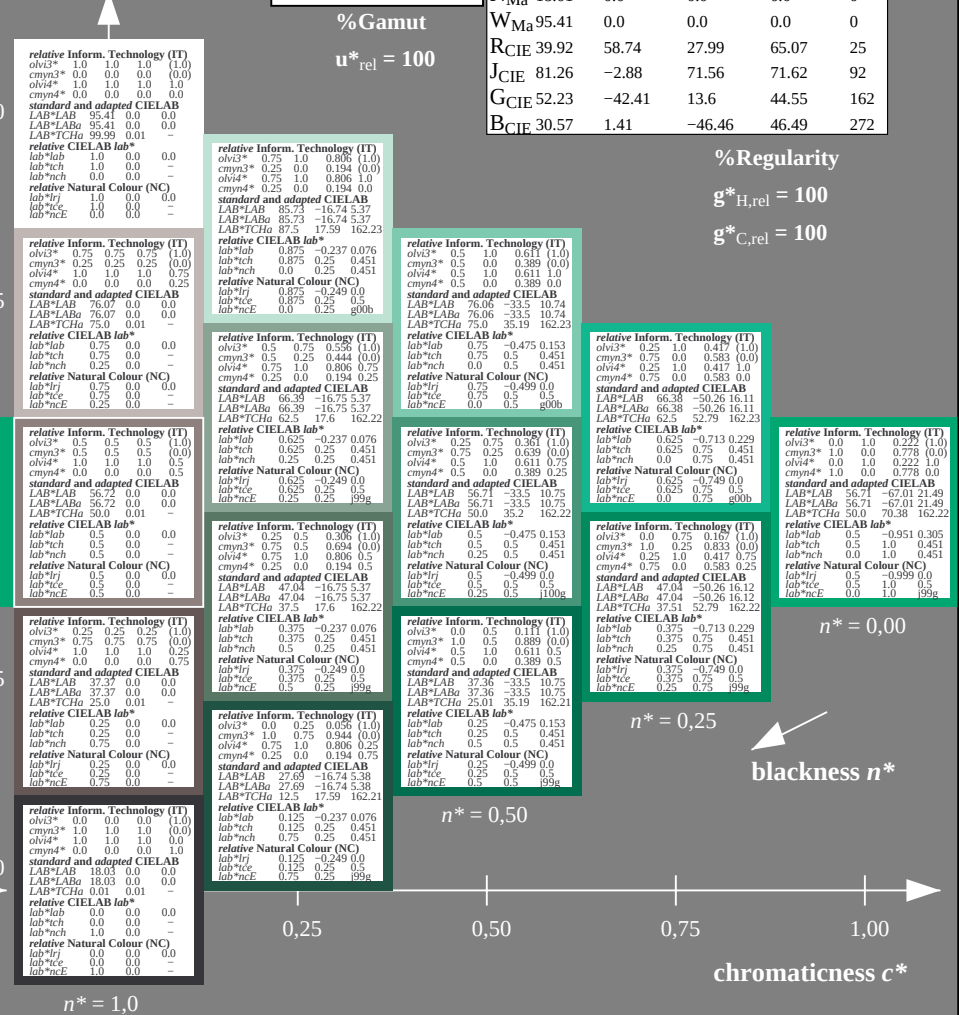


SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIE LAB hue 162/360 = 0.451 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

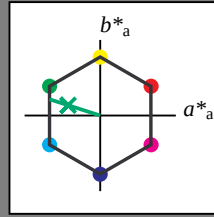
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

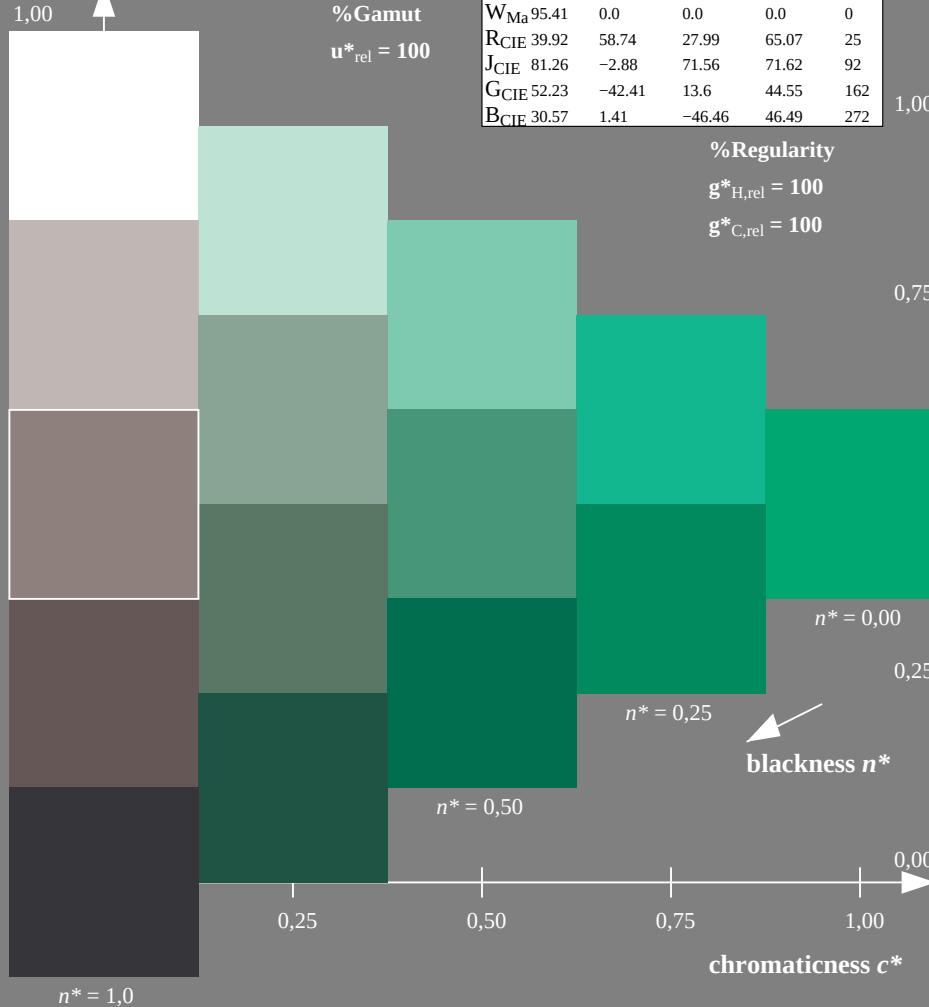


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

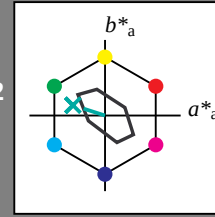
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness

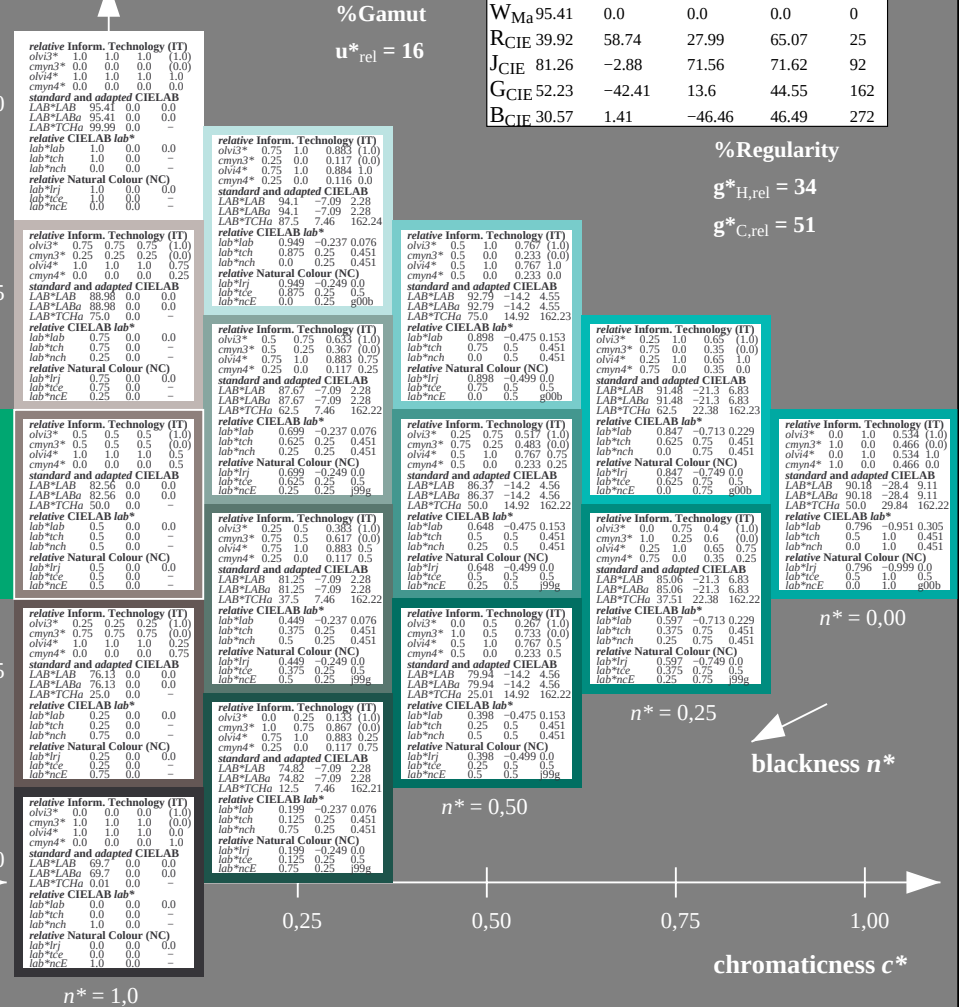


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

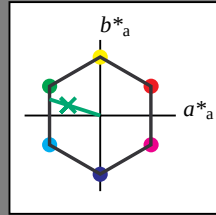
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Offset 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

olv*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

$n^* = 0,00$

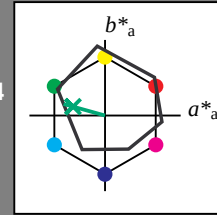
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

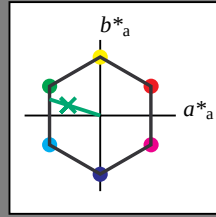
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,25

0,00

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

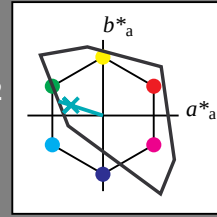
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,25

0,00

$n^* = 1,0$

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

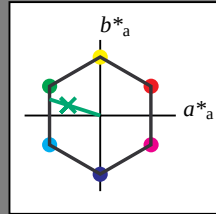
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

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^*

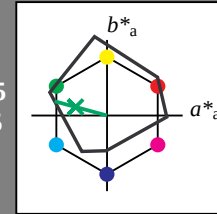
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

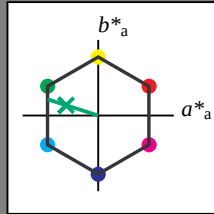
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

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blackness n^*

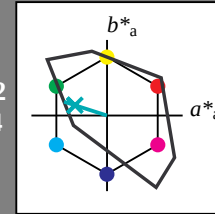
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



TLS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

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^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

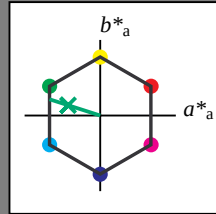
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

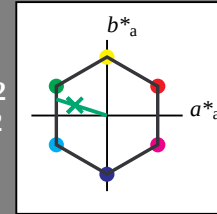
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

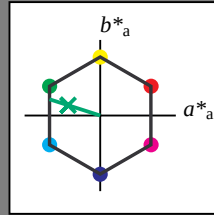
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 100$

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

0,00

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

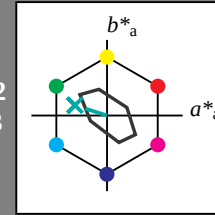
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



% Gamut

$u^*_{rel} = 16$

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

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,75

$n^* = 0,25$

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

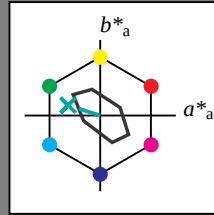
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 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)

Output: Colorimetric Offset 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

olv*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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative 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*

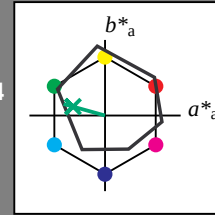
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 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)

OE400-7, 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 Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

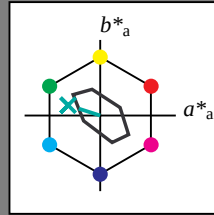
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

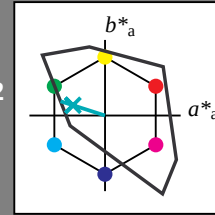
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

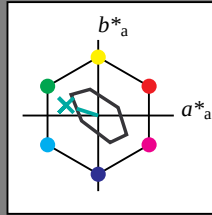
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

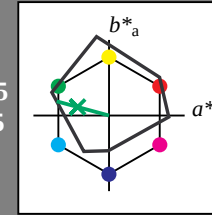
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 165/360 = 0.458 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

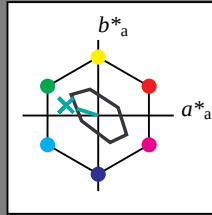
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

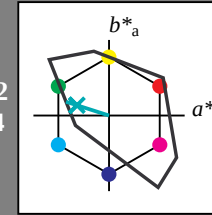
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

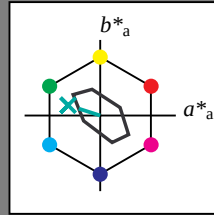
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

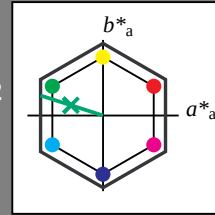
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

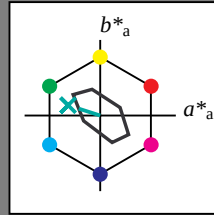
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Gamut

$u^*_{rel} = 16$

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

1,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

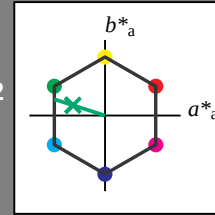
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



% Gamut

$u^*_{rel} = 100$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

1,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

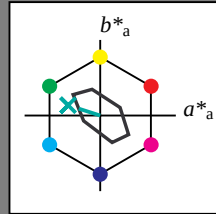
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	76.43	26.27	10.57	28.32	22
YMa	93.93	-10.76	34.63	36.27	107
LMa	89.32	-35.8	27.64	45.24	142
CMa	90.93	-21.95	-7.07	23.07	198
VMa	72.1	15.76	-35.63	38.97	294
MMa	78.5	37.52	-25.23	45.22	326
NMa	69.7	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

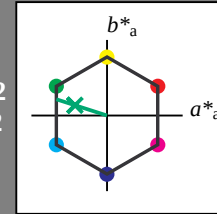
lab*tch

lab*nch

lab*trj

lab*tce

lab*nce



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*tch

lab*nch

lab*trj

lab*tce

lab*nce

OE400-7, 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 Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

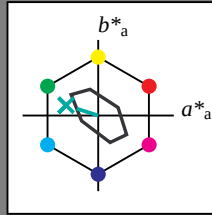
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

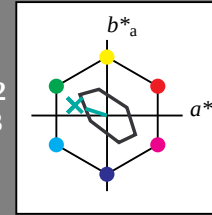
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Offset 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

olv*Ma: 0.0 0.49 1.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

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

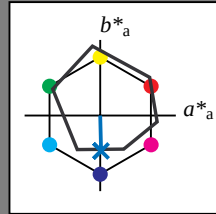
0,00

0,00

0,00

0,00

0,00



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Offset 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

olv*Ma: 0.0 0.49 1.0

triangle lightness

1,00

0,75

0,50

0,25

0,00

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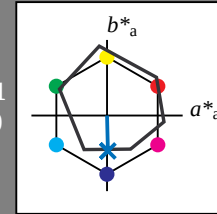
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ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 271/360 = 0.754 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

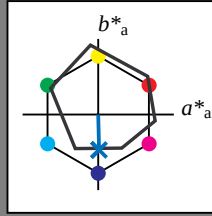
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

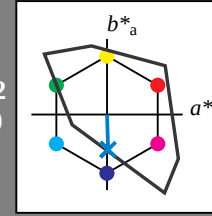
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness



% Gamut

$u^*_{rel} = 158$

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$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 Offset 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

olv*Ma: 0.0 0.49 1.0

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

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1,00

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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Input: Colorimetric Offset 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

olv*Ma: 0.0 0.49 1.0

triangle lightness

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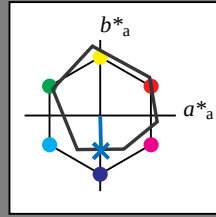
triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

1,00

triangle lightness

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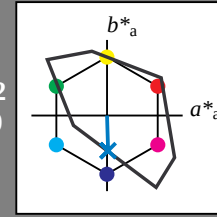
triangle lightness

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% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

OE400-7, 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 Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

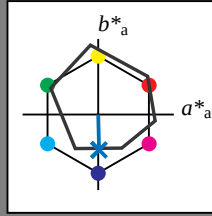
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*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	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
NMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

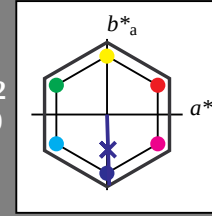
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
NMa	63.61	82.62	-47.69	95.4	330
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Offset 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

olv*Ma: 0.0 0.49 1.0

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

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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^*

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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

Input: Colorimetric Offset 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

olv*Ma: 0.0 0.49 1.0

triangle lightness

1,00

triangle lightness

triangle lightness

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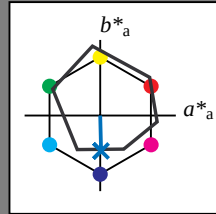
triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

triangle lightness

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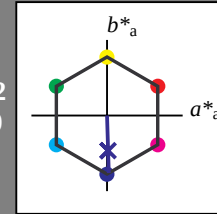
triangle lightness

triangle lightness

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triangle lightness



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

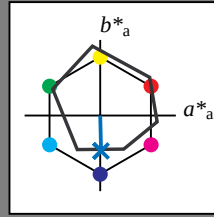
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

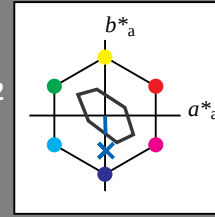
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness

1,00

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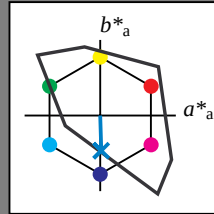
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% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

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Output: Colorimetric Offset 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

olv*Ma: 0.0 0.49 1.0

triangle lightness

1,00

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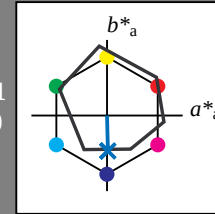
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% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3* 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 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

lab*lab 1.0 0.0 0.0

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lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 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 82.0 0.45 -7.31

LAB*LABa 82.0 0.27 -11.16

LAB*LABb 82.0 0.27 -11.16

LAB*LABc 82.0 0.27 -11.16

relative CIELAB lab*

lab*lab 0.827 0.006 -0.249

lab*lab 0.827 0.006 -0.249

lab*lab 0.827 0.006 -0.249

lab*lab 0.827 0.006 -0.249

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lab*lab 0.827 0.006 -0.249

lab*lab 0.827 0.006 -0.249

relative Inform. Technology (IT)

olv3* 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 68.6 0.07 -19.39

LAB*LABa 68.6 0.55 -22.34

LAB*LABb 68.6 0.55 -22.34

LAB*LABc 68.6 0.55 -22.34

relative CIELAB lab*

lab*lab 0.654 0.012 -0.499

lab*lab 0.654 0.012 -0.499

lab*lab 0.654 0.012 -0.499

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lab*lab 0.654 0.012 -0.499

lab*lab 0.654 0.012 -0.499

lab*lab 0.654 0.012 -0.499

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

ol*Ma: 0.0 0.61 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

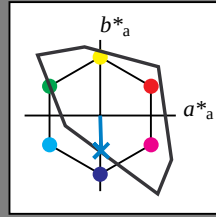
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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*

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

lab*lab

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

ol*Ma: 0.0 0.61 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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*

lab*lab

lab*lab

lab*lab

lab*lab

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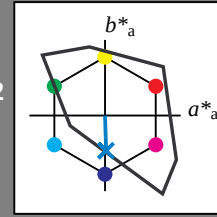
lab*lab

lab*lab

lab*lab

lab*lab

lab*lab



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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*

lab*lab

lab*lab

lab*lab

lab*lab

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lab*lab

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lab*lab

lab*lab

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lab*lab

OE400-7, 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 Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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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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0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

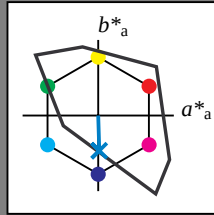
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

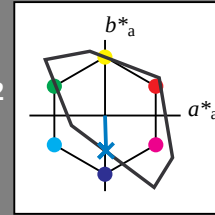
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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^*

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1,00

chromaticness c^*

blackness n^*

0,25

0,50

0,75

1,00

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

ol*Ma: 0.0 0.61 1.0

triangle lightness

1,00

triangle lightness

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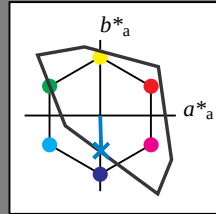
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

ol*Ma: 0.03 0.0 1.0

triangle lightness

1,00

triangle lightness

triangle lightness

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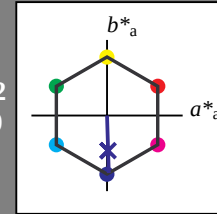
triangle lightness

triangle lightness

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triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

blackness n^*

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

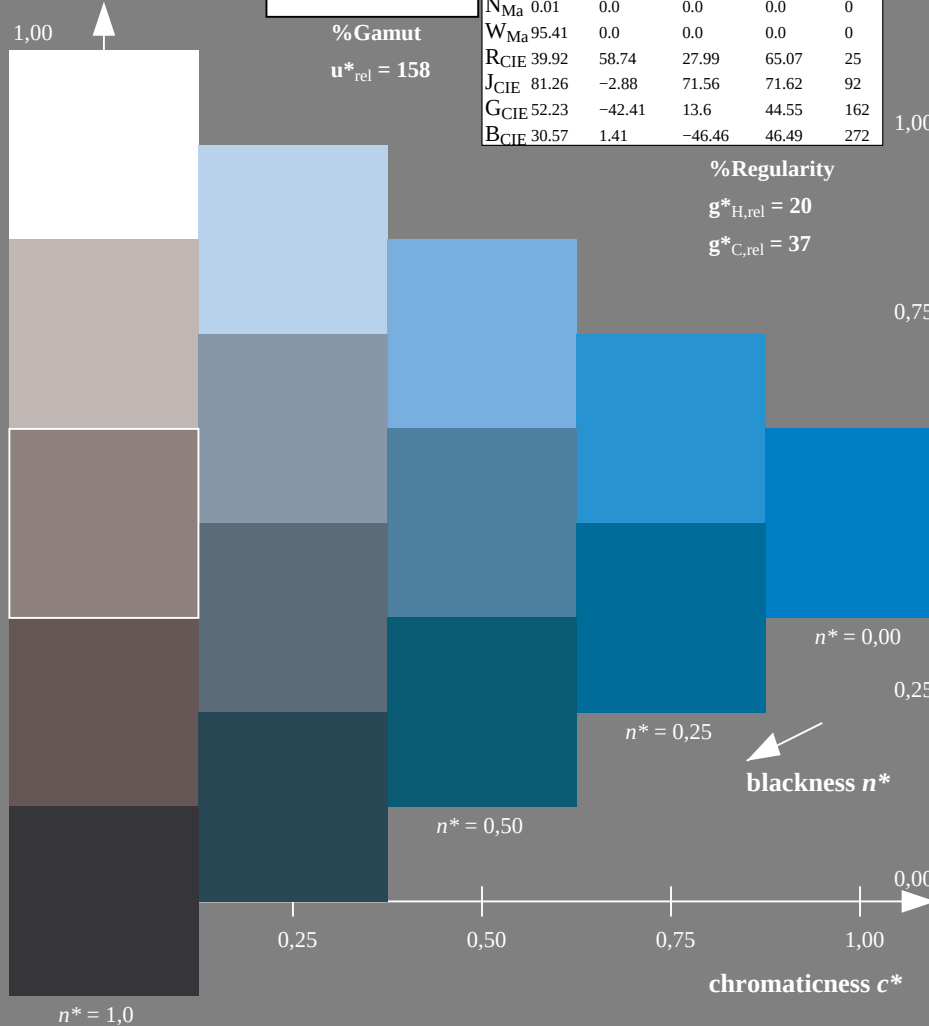
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

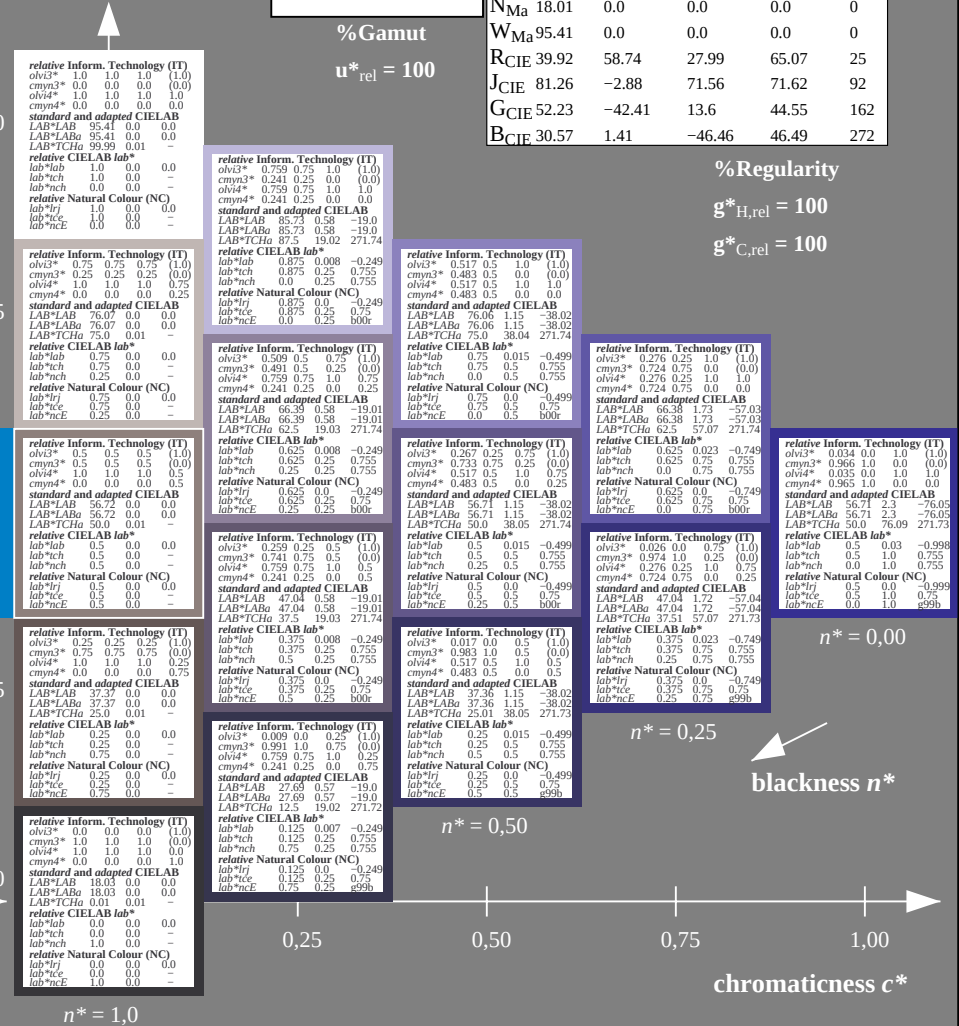
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

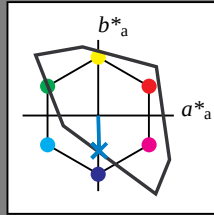
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

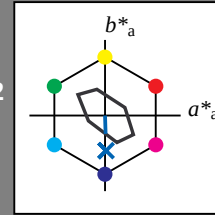
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

↑

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,25

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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$g^*_{C,rel} = 59$

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$u^*_{rel} = 93$

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$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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%Gamut

$u^*_{rel} = 93$

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$g^*_{H,rel} = 57$

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$u^*_{rel} = 93$

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$g^*_{H,rel} = 57$

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$u^*_{rel} = 93$

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$g^*_{H,rel} = 57$

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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%Gamut

$u^*_{rel} = 93$

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$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

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%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,00

↑

%Gamut

$u^*_{rel} = 93$

%Regularity

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

triangle lightness

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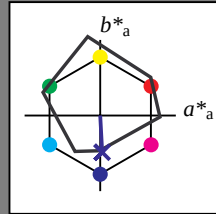
triangle lightness

triangle lightness

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triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.759 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness

1,00

triangle lightness

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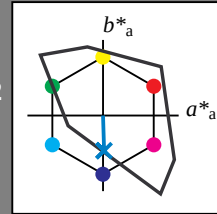
triangle lightness

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triangle lightness



%Gamut

$u^*_{rel} = 158$

%Gamut

%Gamut

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TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

blackness n^*

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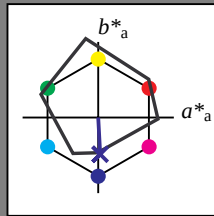
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

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blackness n^*

blackness n^*

blackness n^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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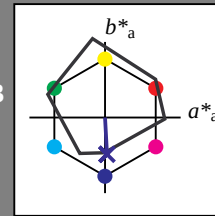
blackness n^*

blackness n^*

blackness n^*

blackness n^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

blackness n^*

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OE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.759 (left)

5 step scales for constant CIELAB hue 273/360 = 0.759 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

↑

1,00

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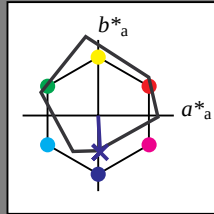
1,00

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DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

0,25

0,00

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.759 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

1,00

↑

1,00

↑

1,00

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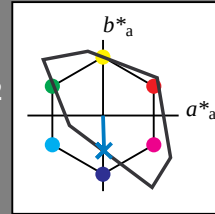
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%Gamut

$u^*_{rel} = 118$

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TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

triangle lightness

triangle lightness

triangle lightness

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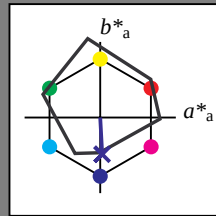
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.759 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

triangle lightness

triangle lightness

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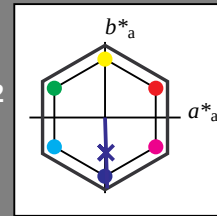
triangle lightness

triangle lightness

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triangle lightness



%Gamut

$u^*_{rel} = 152$

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)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

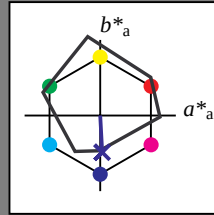
LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 101$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

0,25

0,00

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.759 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

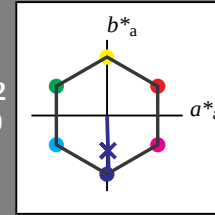
LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut



%Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

chromaticness c^*

$n^* = 0,50$

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

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^*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

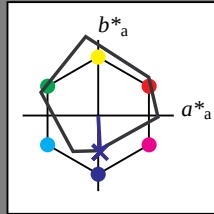
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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 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)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 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*

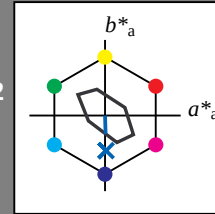
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 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

OE400-7, 5 step scales for constant CIELAB hue 273/360 = 0.759 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

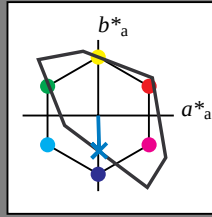
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

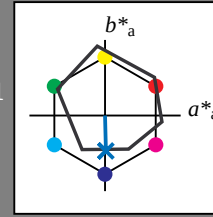
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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$n^* = 0,00$

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chromaticness c^*

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Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

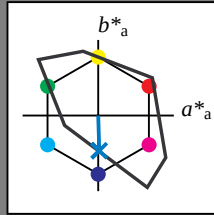
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

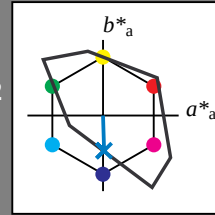
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness



% Gamut

$u^*_{rel} = 118$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0,00$

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 Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

1,00

0,75

0,50

0,25

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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

1,00

blackness n^*

chromaticness c^*

0,25

0,50

0,75

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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

1,00

blackness n^*

chromaticness c^*

0,25

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

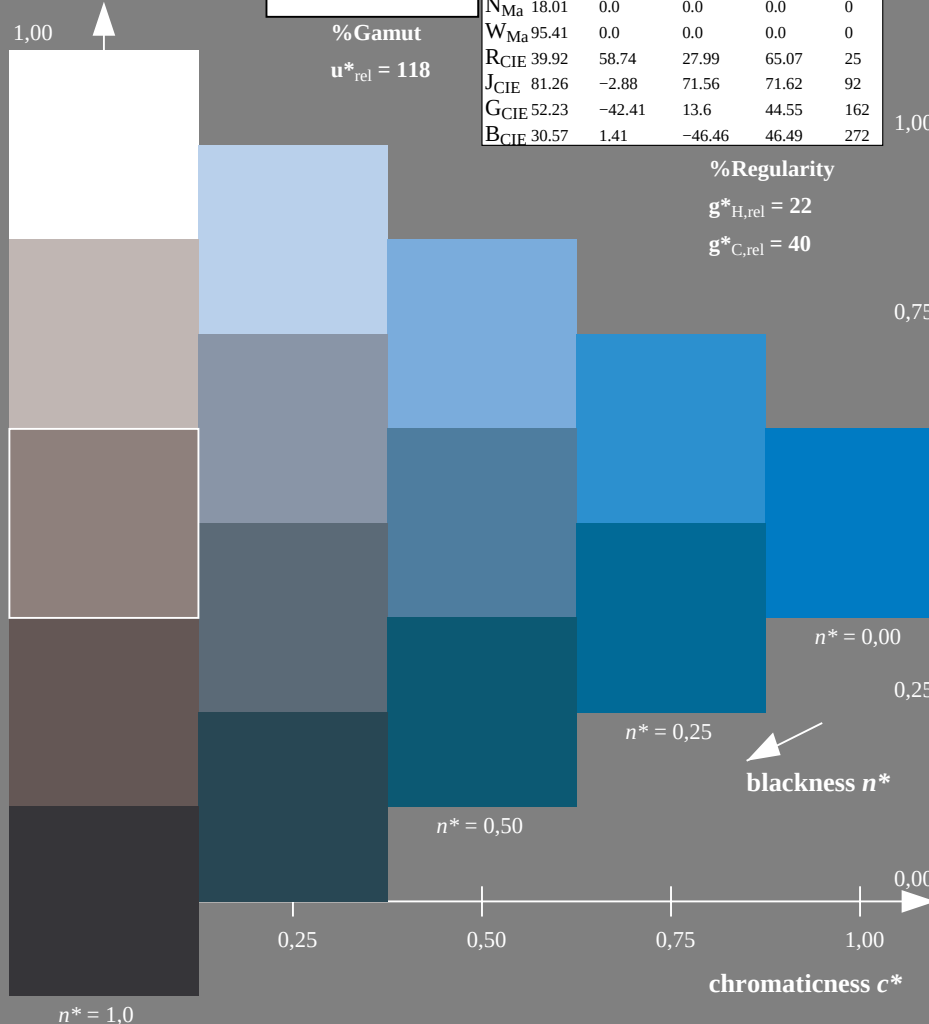
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

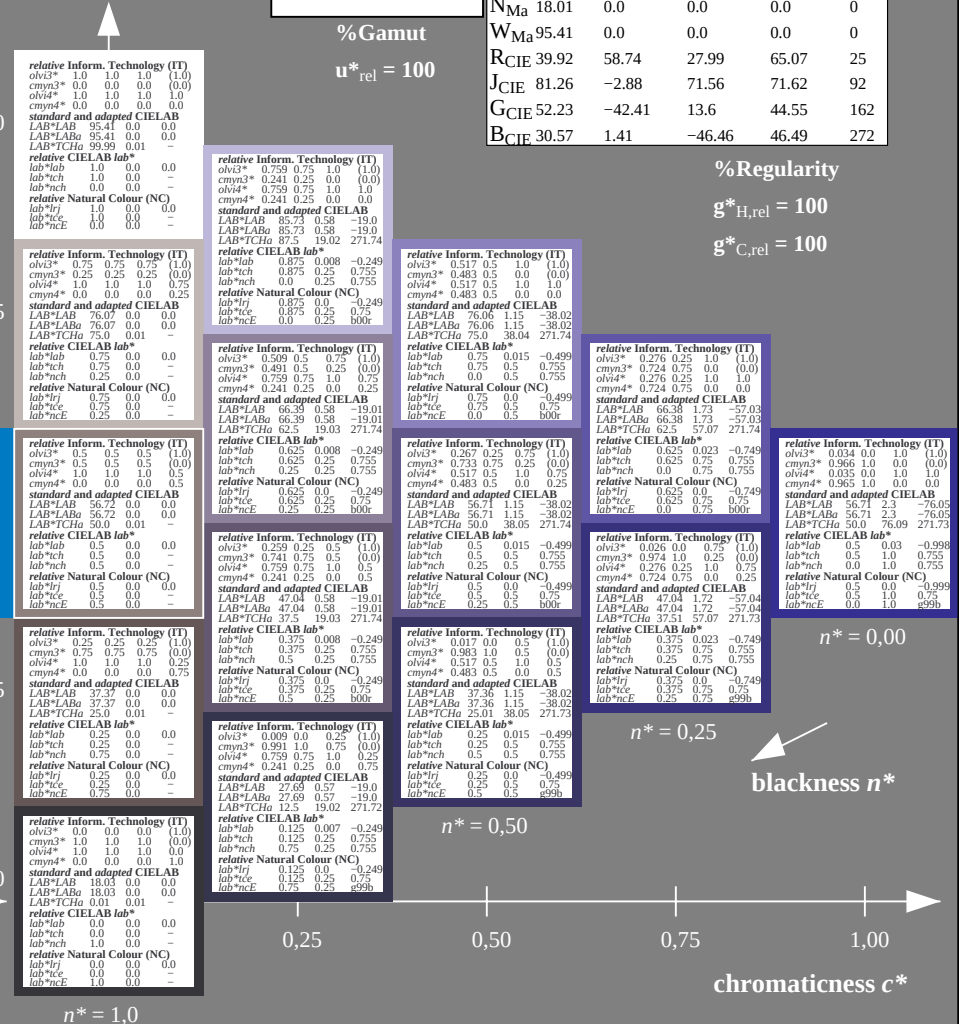
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

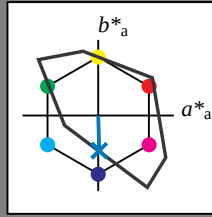
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

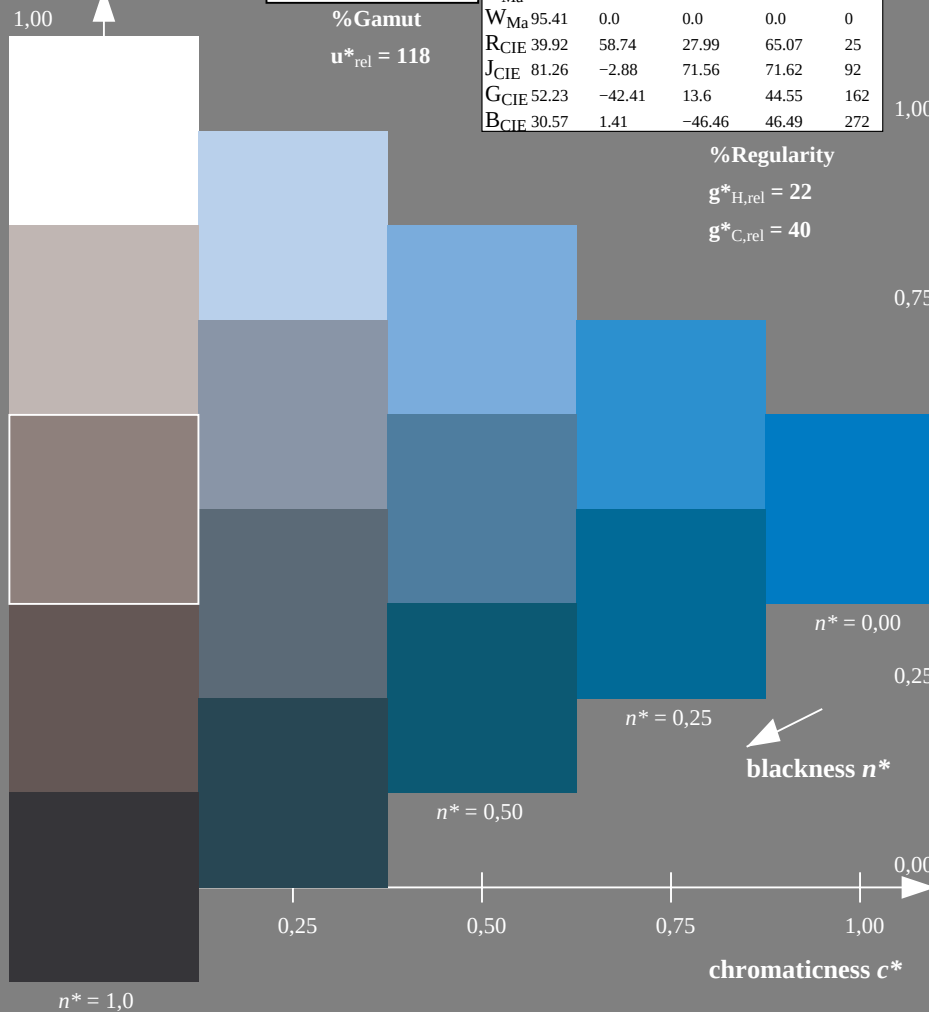


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

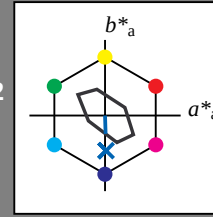
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

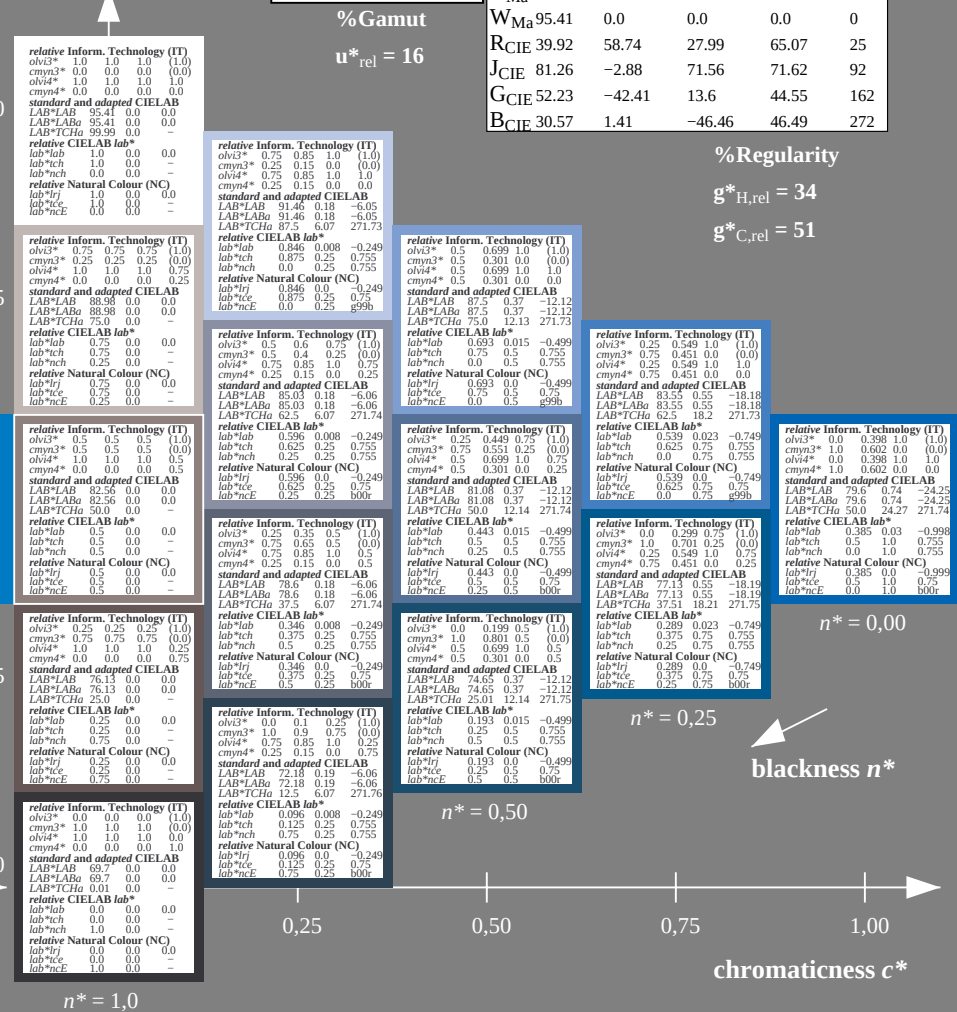


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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0,25

0,50

0,75

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

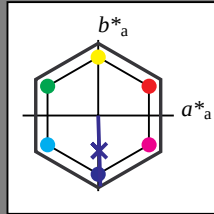
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 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)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 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*

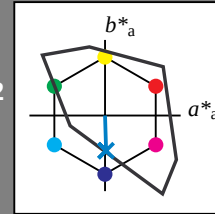
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 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

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

0,25

0,50

0,75

1,00

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0,75

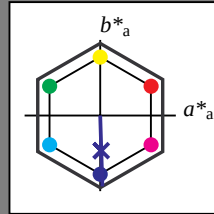
1,00

0,25

0,50

0,75

1,00



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

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0,75

1,00

0,25

0,50

0,75

1,00

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0,50

0,75

1,00

0,25

0,50

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

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

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

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1,00

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0,75

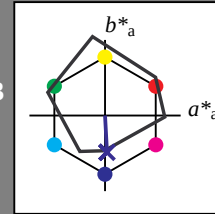
1,00

0,25

0,50

0,75

1,00



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 273/360 = 0.759 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

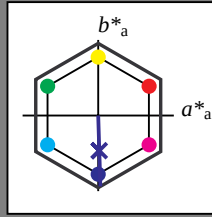
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

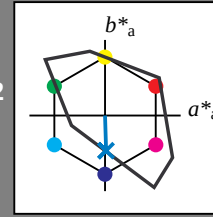
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 152$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

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0,50

0,75

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

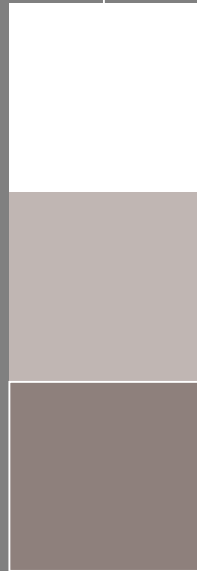
D65: hue B

LCH*Ma: 33 94 272

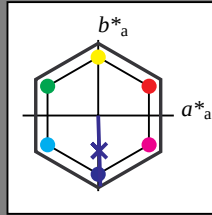
olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 152$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

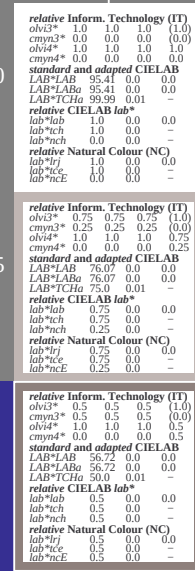
D65: hue B

LCH*Ma: 45 76 272

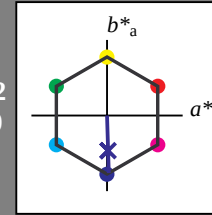
olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00



$n^* = 1,0$



%Gamut

$u^*_{rel} = 100$

NRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

OE400-7, 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 Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

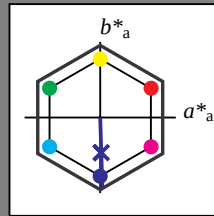
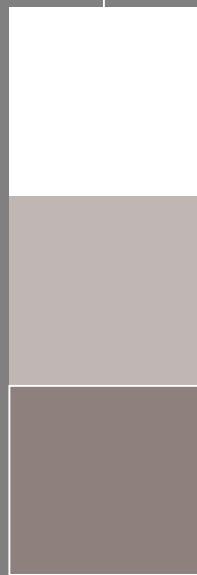
D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 152$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

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	0.0
cmyn4*	0.0	0.0	0.0	0.0

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

lab*lab	1.0	0.0	0.0
lab*ch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

lab*trj	1.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

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

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

lab*lab	0.75	0.0	0.0
lab*ch	0.75	0.0	-
lab*nch	0.25	0.0	0.0

lab*trj	0.75	0.0	0.0
lab*trc	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

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

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

lab*lab	0.5	0.0	0.0
lab*ch	0.5	0.0	-
lab*nch	0.5	0.0	0.0

lab*trj	0.5	0.0	0.0
lab*trc	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

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

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

lab*lab	0.25	0.0	0.0
lab*ch	0.25	0.0	-
lab*nch	0.75	0.0	0.0

lab*trj	0.25	0.0	0.0
lab*trc	0.25	0.0	0.0
lab*nce	0.75	0.0	0.0

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

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	-
lab*nch	1.0	0.0	0.0

lab*trj	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

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	0.0
cmyn4*	0.0	0.0	0.0	0.0

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

lab*lab	1.0	0.0	0.0
lab*ch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

lab*trj	1.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

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

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

lab*lab	0.75	0.0	0.0
lab*ch	0.75	0.0	-
lab*nch	0.25	0.0	0.0

lab*trj	0.75	0.0	0.0
lab*trc	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

olvi3*	0.509	0.5	0.5	(1.0)
cmyn3*	0.491	0.5	0.5	(0.0)
olvi4*	0.759	0.75	1.0	0.75
cmyn4*	0.241	0.25	0.0	0.25

LAB*LAB	66.39	0.38	-19.01
LAB*LABa	66.39	0.58	-19.01
LAB*TCHa	62.5	19.03	271.74

lab*lab	0.625	0.008	-0.249
lab*ch	0.625	0.25	0.755
lab*nch	0.25	0.25	0.755

lab*trj	0.625	0.0	-0.249
lab*trc	0.625	0.25	0.75
lab*nce	0.25	0.25	0.007

olvi3*	0.259	0.25	0.5	(1.0)
cmyn3*	0.741	0.25	0.5	(0.0)
olvi4*	0.759	0.75	1.0	0.5
cmyn4*	0.241	0.25	0.0	0.5

LAB*LAB	56.71	1.15	-38.02
LAB*LABa	56.71	1.15	-38.02
LAB*TCHa	50.0	38.05	271.74

lab*lab	0.5	0.015	-0.499
lab*ch	0.5	0.5	0.755
lab*nch	0.25	0.5	0.755

lab*trj	0.5	0.0	-0.499
lab*trc	0.5	0.5	0.75
lab*nce	0.25	0.5	0.007

olvi3*	0.017	0.0	0.5	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.517	0.5	1.0	0.5
cmyn4*	0.483	0.5	0.0	0.5

LAB*LAB	37.36	1.15	-38.02
LAB*LABa	37.36	1.15	-38.02
LAB*TCHa	25.01	38.05	271.73

lab*lab	0.25	0.015	-0.499
lab*ch	0.25	0.5	0.755
lab*nch	0.5	0.5	0.755

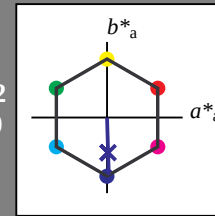
lab*trj	0.25	0.0	-0.499
lab*trc	0.25	0.5	0.75
lab*nce	0.5	0.5	0.007

olvi3*	0.009	0.0	0.25	(1.0)
cmyn3*	0.991	1.0	0.25	(0.0)
olvi4*	0.759	0.75	1.0	0.25
cmyn4*	0.241	0.25	0.0	0.25

LAB*LAB	27.69	0.57	-19.0
LAB*LABa	27.69	0.57	-19.0
LAB*TCHa	12.5	19.02	271.72

lab*lab	0.125	0.007	-0.249
lab*ch	0.125	0.25	0.755
lab*nch	0.75	0.25	0.755

lab*trj	0.125	0.0	-0.249
lab*trc	0.125	0.25	0.75
lab*nce	0.75	0.25	0.007



%Gamut

$u^*_{rel} = 100$

1,00

relative Inform. Technology (IT)				
olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	0.0
cmyn4*	0.483	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	1.15	-38.02	
LAB*LABa	76.06	1.15	-38.02	
LAB*TCHa	75.0	38.04	271.74	
relative CIELAB lab*				
lab*lab	0.75	0.015	-0.499	
lab*ch	0.75	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	-0.499	
lab*trc	0.75	0.5	0.75	
lab*nce	0.0	0.5	0.007	
relative Inform. Technology (IT)				
olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.75	0.25	(0.0)
olvi4*	0.517	0.5	1.0	0.75
cmyn4*	0.483	0.5	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	56.71	1.15	-38.02	
LAB*LABa	56.71	1.15	-38.02	
LAB*TCHa	50.0	38.05	271.74	
relative CIELAB lab*				
lab*lab	0.5	0.015	-0.499	
lab*ch	0.5	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	-0.499	
lab*trc	0.5	0.5	0.75	
lab*nce	0.0	0.5	0.007	
relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.75	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.517	0.5	1.0	0.5
cmyn4*	0.483	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	37.36	1.15	-38.02	
LAB*LABa	37.36	1.15	-38.02	
LAB*TCHa	25.01	38.05	271.73	
relative CIELAB lab*				
lab*lab	0.25	0.015	-0.499	
lab*ch	0.25	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	-0.499	
lab*trc	0.25	0.5	0.75	
lab*nce	0.0	0.5	0.007	

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

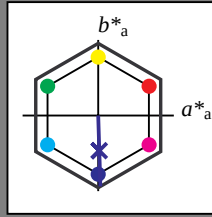
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness



% Gamut

$u^*_{rel} = 152$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

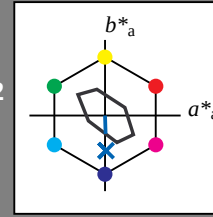
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness



% Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

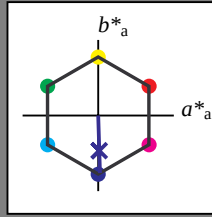
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

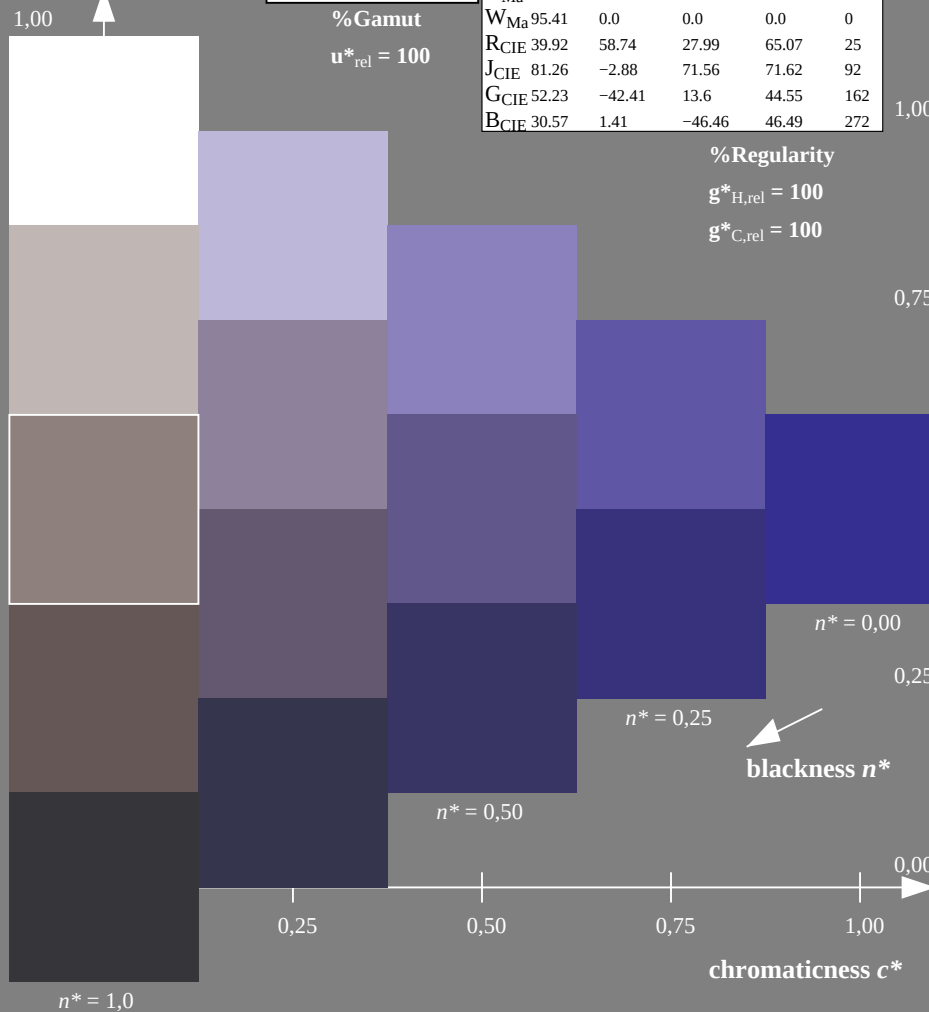


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

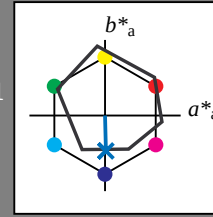
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness

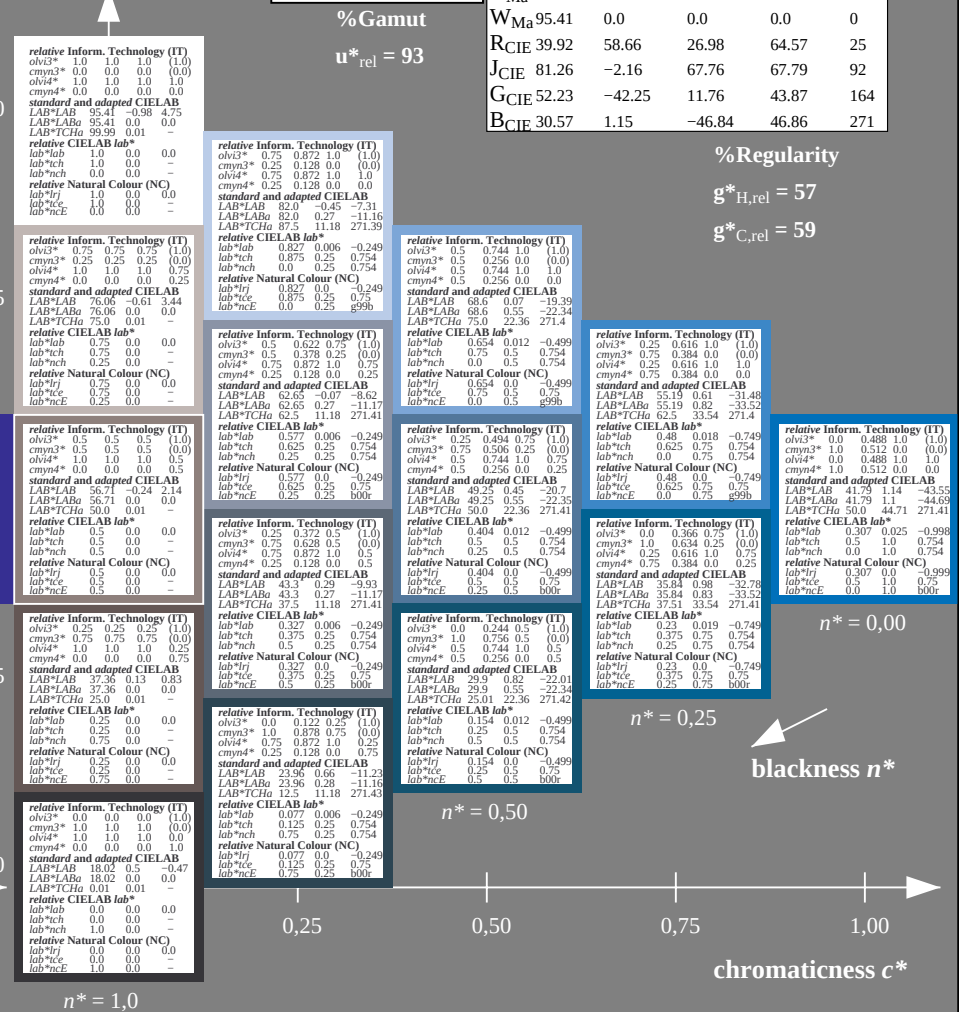


ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

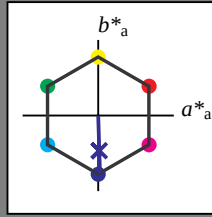
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

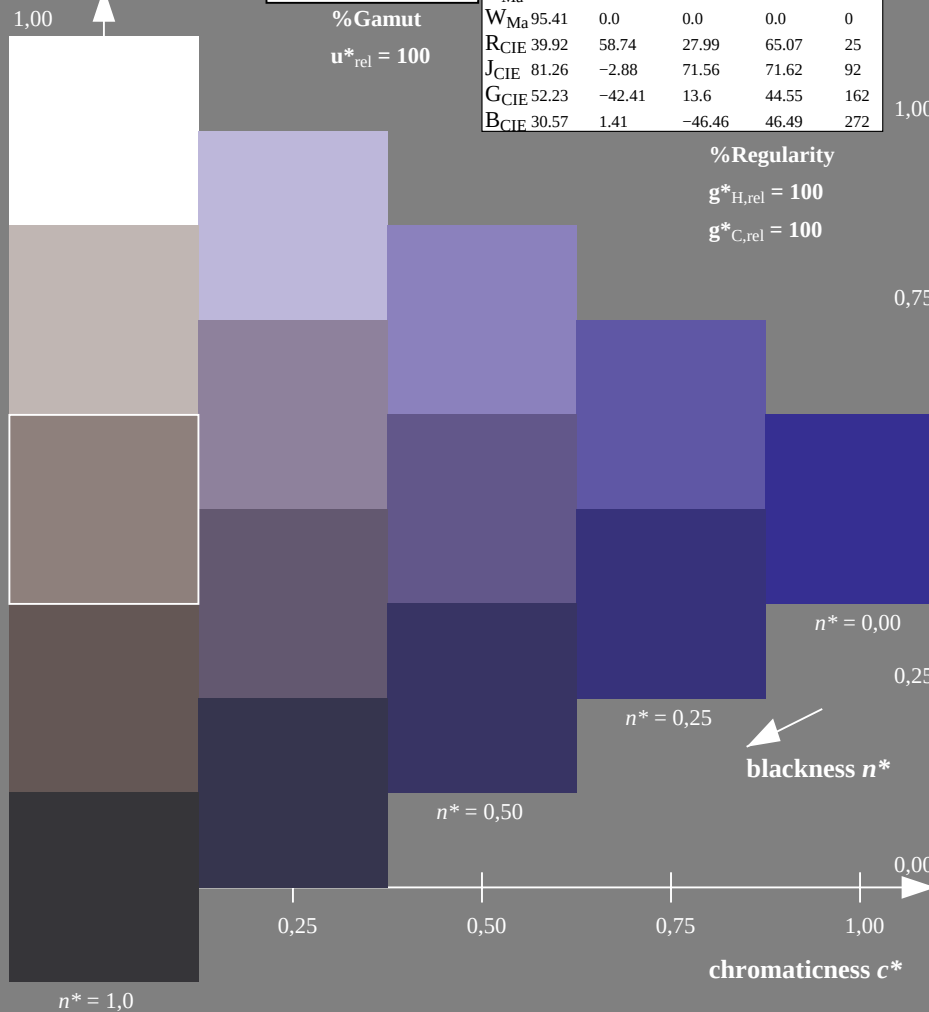


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

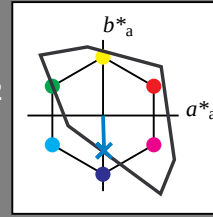
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness

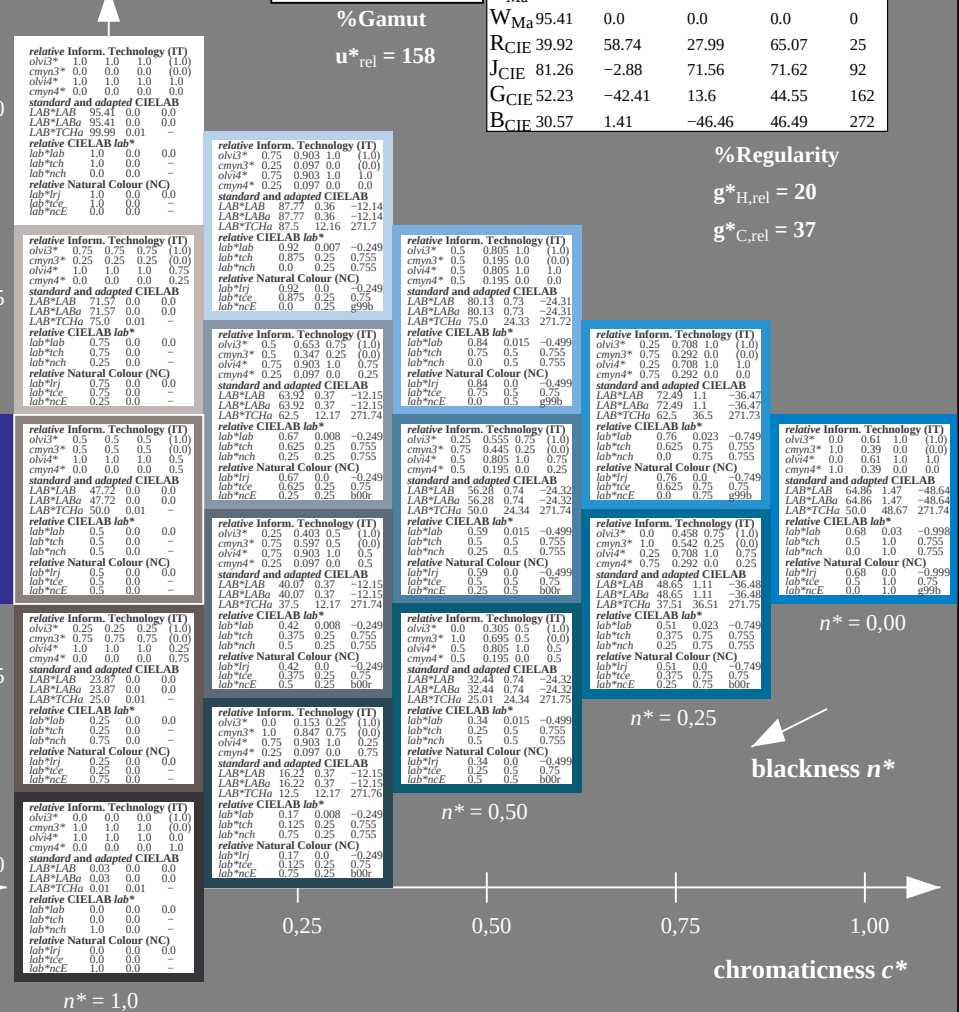


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

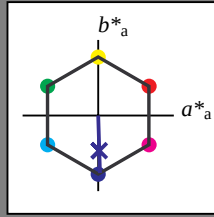
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

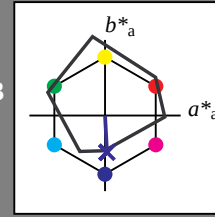
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 273/360 = 0.759 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

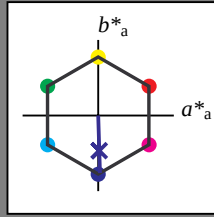
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

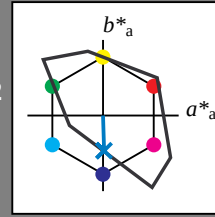
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)					
	$olv3^*$	$olv4^*$	$olv5^*$	$olv6^*$	$olv7^*$
lab*lab	0.75	0.895	1.0	1.0	1.0
lab*tch	0.25	0.105	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.25	0.105	0.0	0.0	0.0
standard and adapted CIELAB	0.25	0.105	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*TCBa	99.99	0.01	-	-	-

relative Inform. Technology (IT)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

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Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

ol*Ma: 0.03 0.0 1.0

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

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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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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^*

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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^*

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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

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0,25

0,00

blackness n^*

chromaticness c^*

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

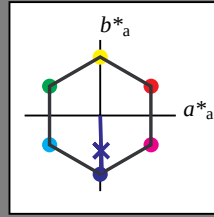
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

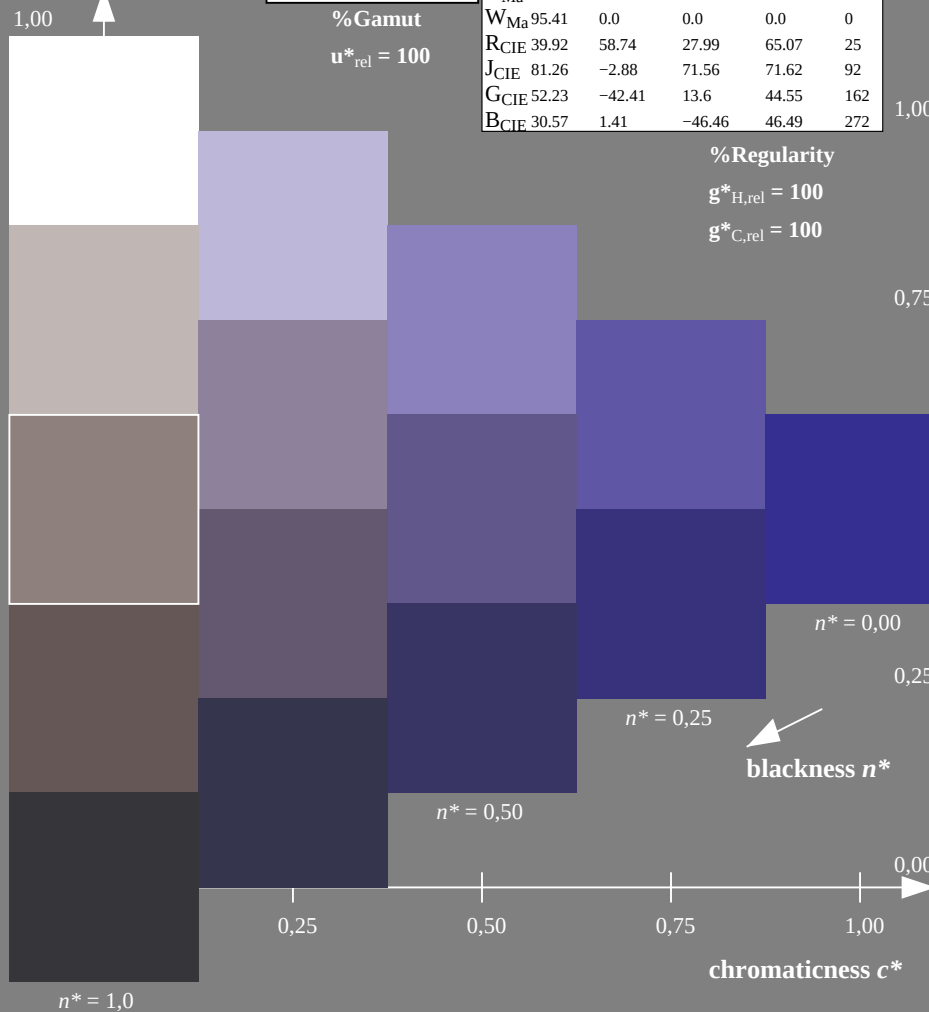


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

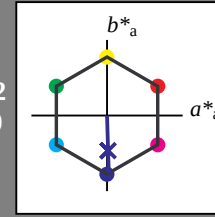
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

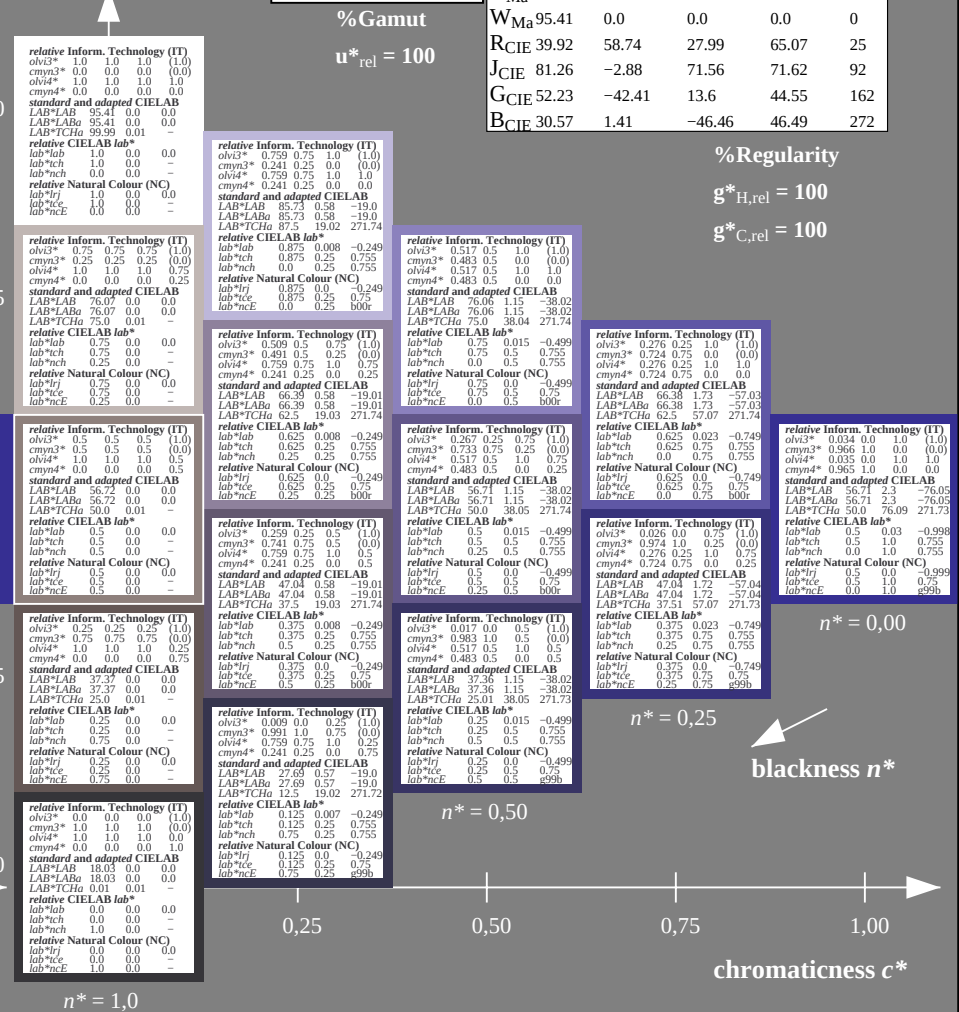


SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

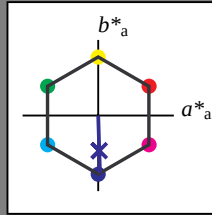
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

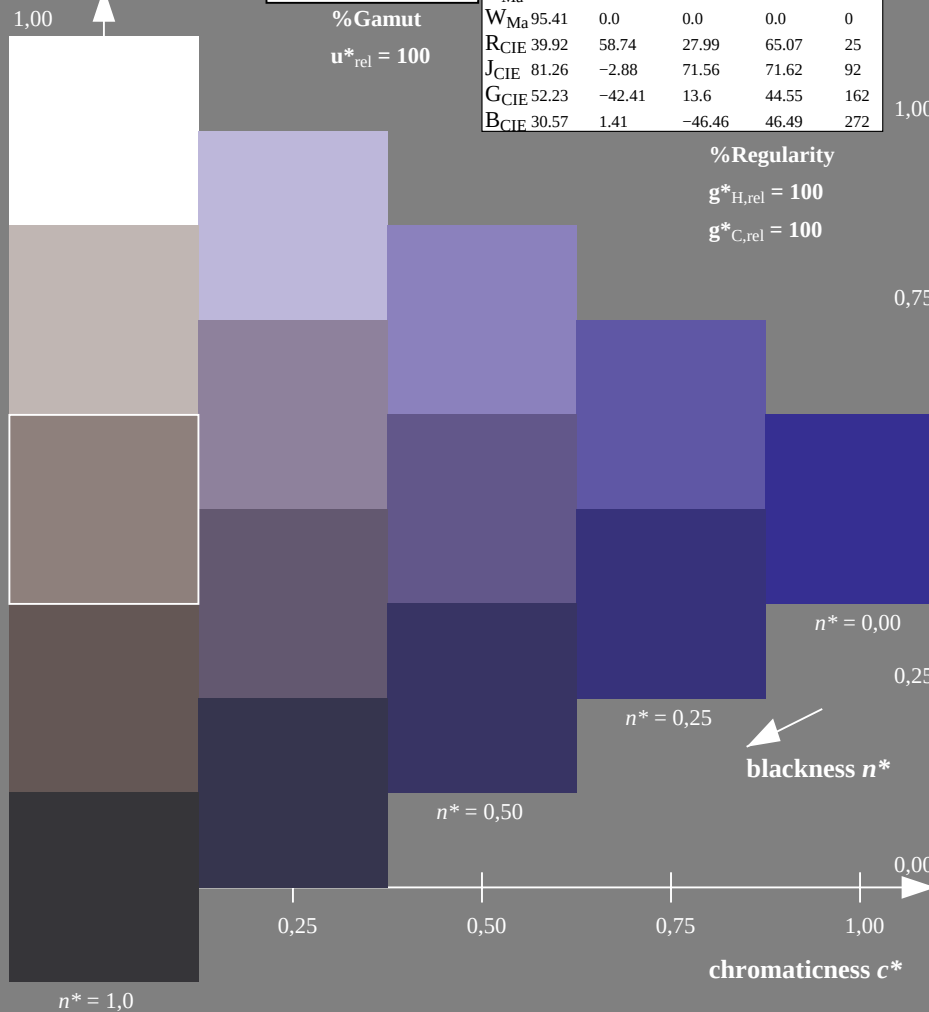


NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

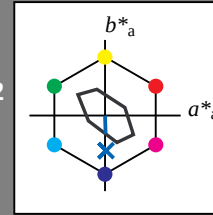
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

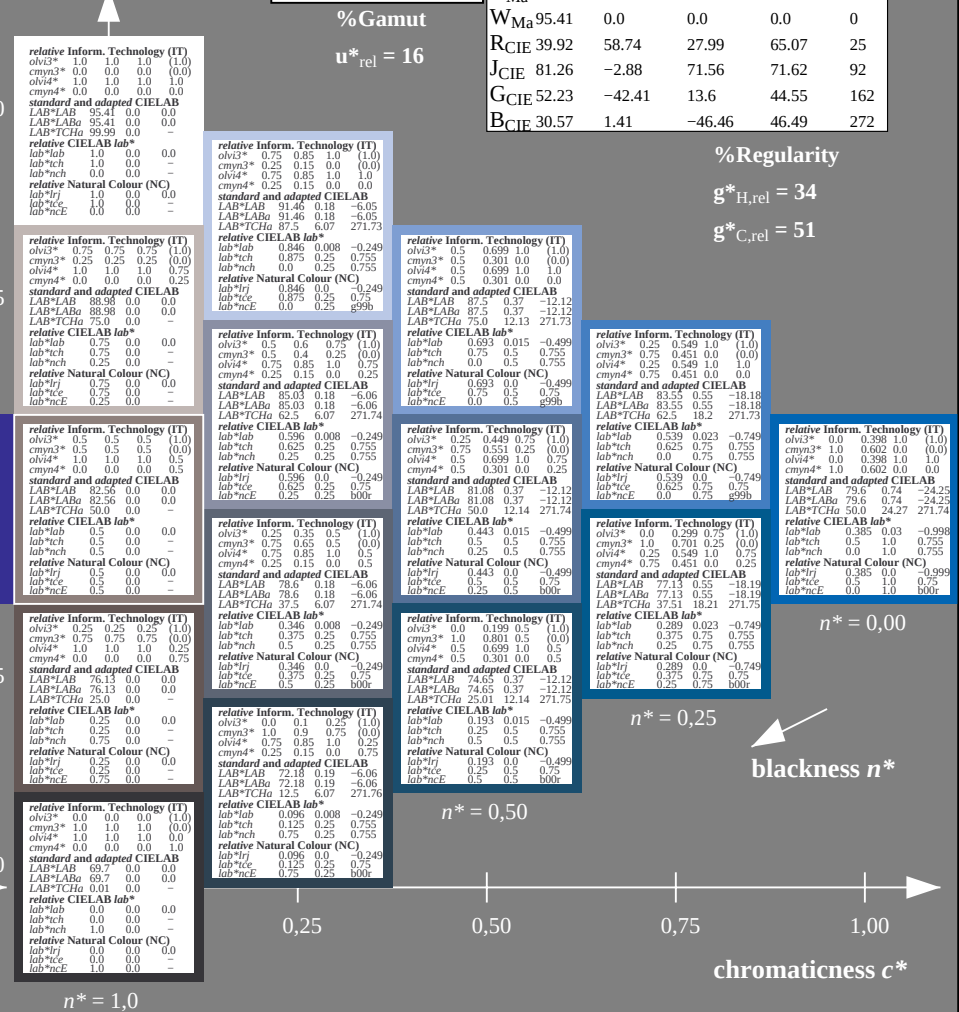


TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

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triangle lightness

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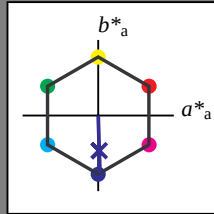
triangle lightness

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SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 100$

Output: Colorimetric Offset 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

olv*Ma: 0.0 0.49 1.0

triangle lightness

1,00

triangle lightness

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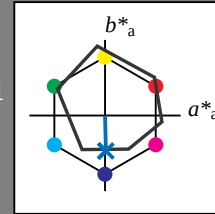
triangle lightness

triangle lightness

triangle lightness

triangle lightness

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

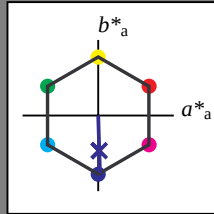
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

0,25

0,00

$n^* = 0,00$

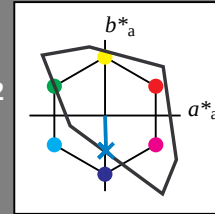
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

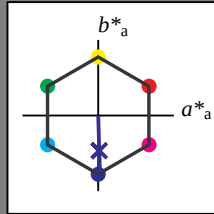
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

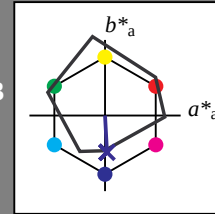
0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 273/360 = 0.759 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

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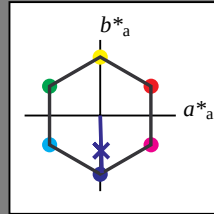
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% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

1,00

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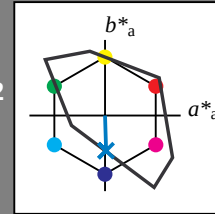
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% Gamut

$u^*_{rel} = 118$

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TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

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1,00

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OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

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chromaticness c^*

blackness n^*

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0,50

0,75

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chromaticness c^*

blackness n^*

0,25

0,50

0,75

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chromaticness c^*

blackness n^*

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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^*

blackness n^*

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chromaticness c^*

blackness n^*

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1,00

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^*

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^*

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chromaticness c^*

blackness n^*

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Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

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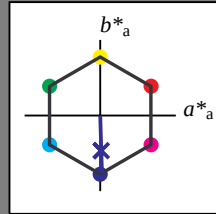
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%Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

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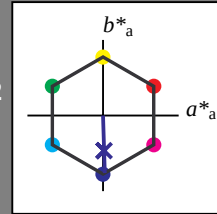
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%Gamut

$u^*_{rel} = 100$

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NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

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OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

ol*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

$n^* = 0,00$

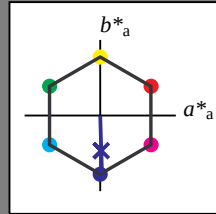
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

ol*Ma: 0.03 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 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*

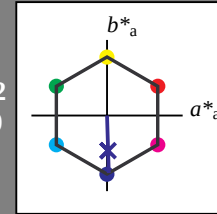
relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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 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*

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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*

OE400-7, 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 Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

1,00

% Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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

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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^*

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chromaticness c^*

$n^* = 1,0$

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chromaticness c^*

$n^* = 1,0$

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0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

0,25

0,50

0,75

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

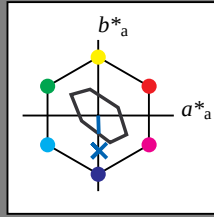
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

ol*Ma: 0.0 0.4 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

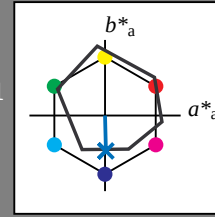
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

ol*Ma: 0.0 0.49 1.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	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 Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

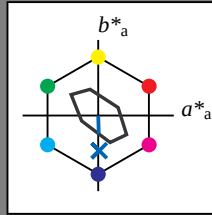
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

ol*Ma: 0.0 0.4 1.0

triangle lightness



%Gamut

$u^*_{rel} = 16$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

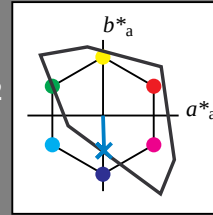
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

ol*Ma: 0.0 0.61 1.0

triangle lightness



%Gamut

$u^*_{rel} = 158$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

0,25

0,00

$n^* = 0,00$

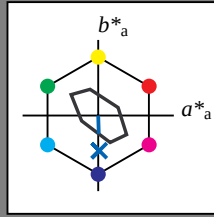
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	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 76.43 -0.44 2.45

LAB*LABa 76.38 0.0 0.0

LAB*LABb 76.38 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

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.43 -0.44 2.45

LAB*LABa 76.38 0.0 0.0

LAB*LABb 76.38 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

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.43 -0.44 2.45

LAB*LABa 76.38 0.0 0.0

LAB*LABb 76.38 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

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.43 -0.44 2.45

LAB*LABa 76.38 0.0 0.0

LAB*LABb 76.38 0.0 0.0

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness

1,00

%Gamut

$u^*_{rel} = 101$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

0,25

0,00

$n^* = 0,00$

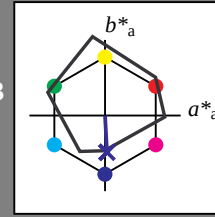
$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

blackness n^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

relative Inform. Technology (IT)

olvi3* 0.76 0.75 1.0 (1.0)

cmyn3* 0.24 0.25 0.0 (0.0)

olvi4* 0.76 0.75 1.0 (1.0)

cmyn4* 0.24 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 42.21 -0.44 2.45

LAB*LABa 42.16 0.0 0.0

LAB*LABb 42.16 0.0 0.0

relative CIELAB lab*

lab*lab 0.806 0.013 -0.249

lab*lab 0.875 0.25 0.759

lab*nch 0.0 0.25 0.759

cmyn4* 0.24 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 42.21 -0.44 2.45

LAB*LABa 42.16 0.0 0.0

LAB*LABb 42.16 0.0 0.0

relative CIELAB lab*

lab*lab 0.556 0.013 -0.249

lab*lab 0.625 0.25 0.759

lab*nch 0.25 0.25 0.759

cmyn4* 0.24 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 42.21 -0.44 2.45

LAB*LABa 42.16 0.0 0.0

LAB*LABb 42.16 0.0 0.0

relative CIELAB lab*

lab*lab 0.26 0.25 0.5 (1.0)

lab*lab 0.24 0.25 0.5 (1.0)

lab*nch 0.25 0.5 0.759

cmyn4* 0.24 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 42.21 -0.44 2.45

LAB*LABa 42.16 0.0 0.0

LAB*LABb 42.16 0.0 0.0

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 273/360 = 0.759 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

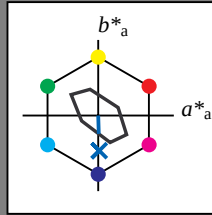
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

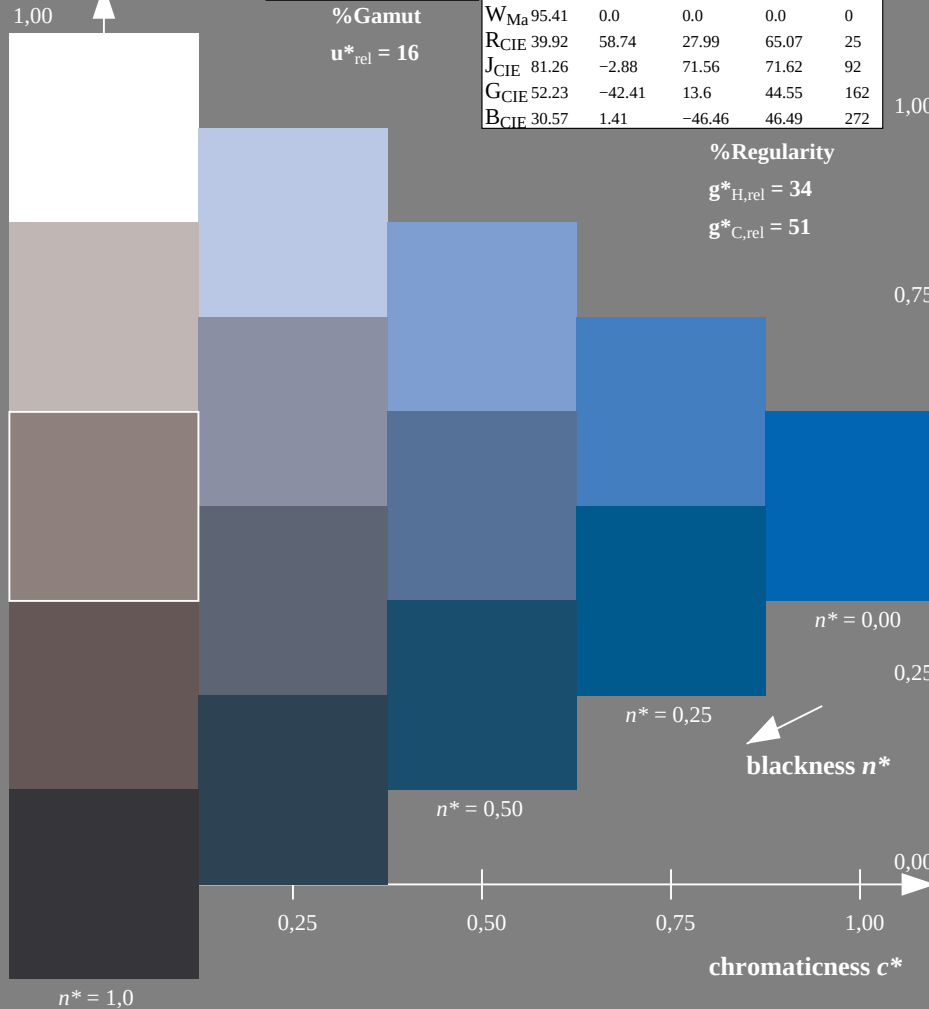


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

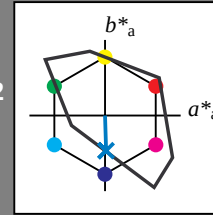
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness

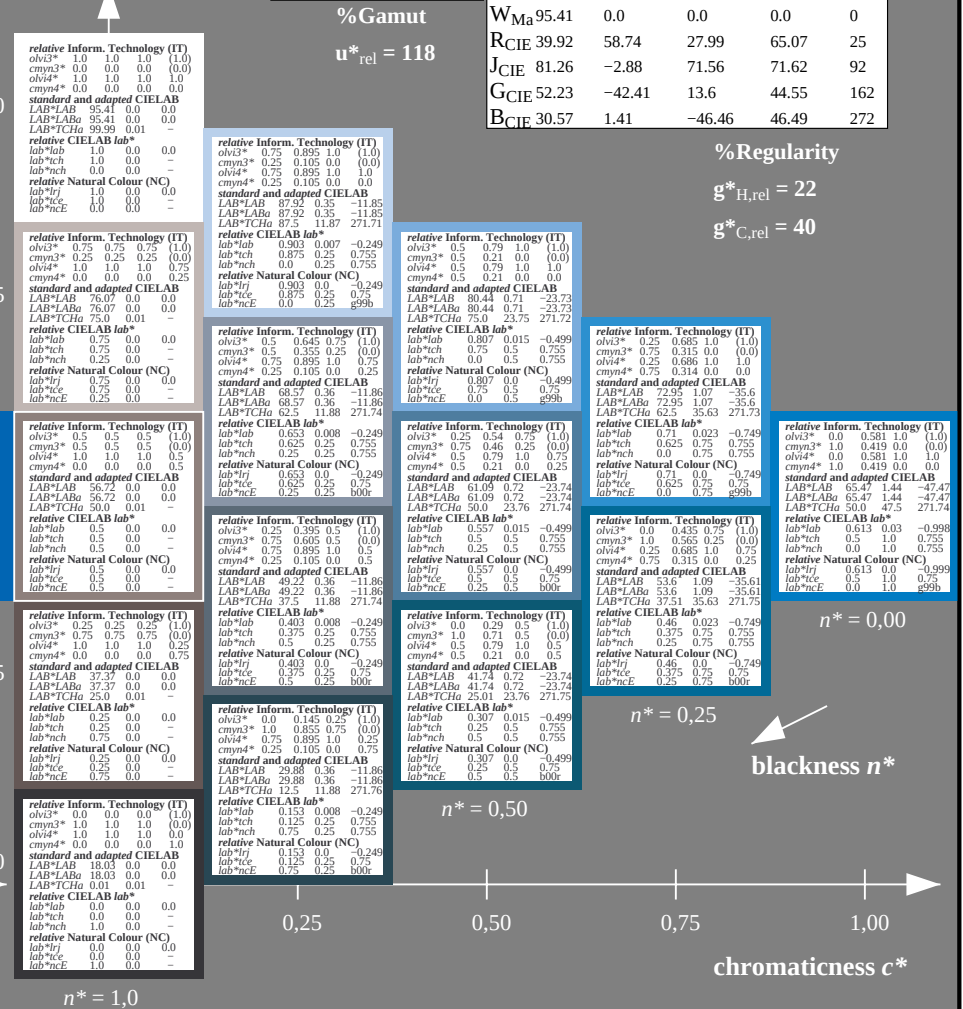


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

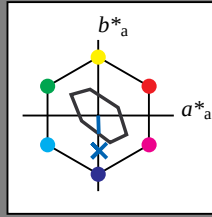
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

ol*Ma: 0.0 0.4 1.0

triangle lightness



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	76.43	26.27	10.57	28.32	22
YMa	93.93	-10.76	34.63	36.27	107
LMa	89.32	-35.8	27.64	45.24	142
CMa	90.93	-21.95	-7.07	23.07	198
VMa	72.1	15.76	-35.63	38.97	294
NMa	78.5	37.52	-25.23	45.22	326
WMa	69.7	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

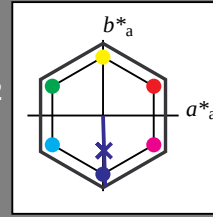
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

ol*Ma: 0.03 0.0 1.0

triangle lightness



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
NMa	63.61	82.62	-47.69	95.4	330
WMa	0.01	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

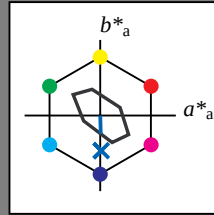
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

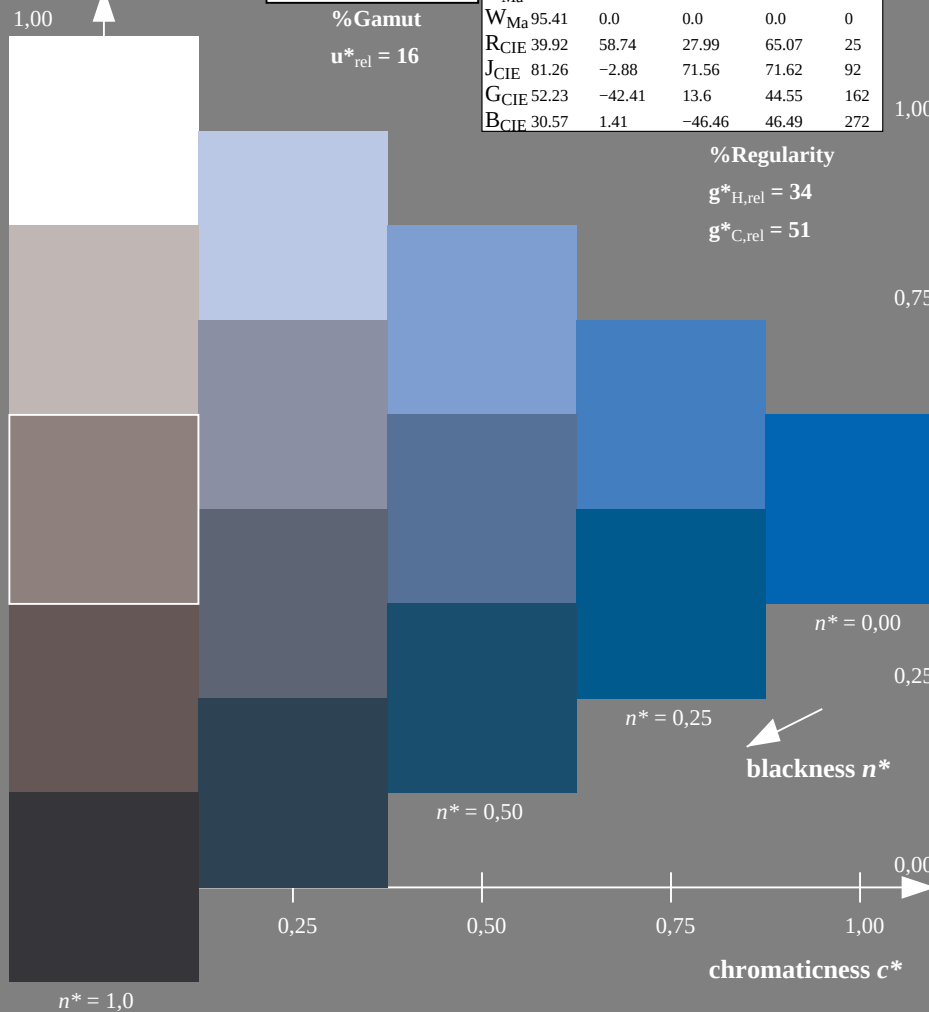


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

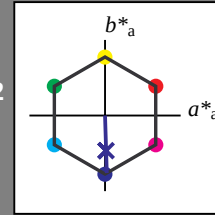
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

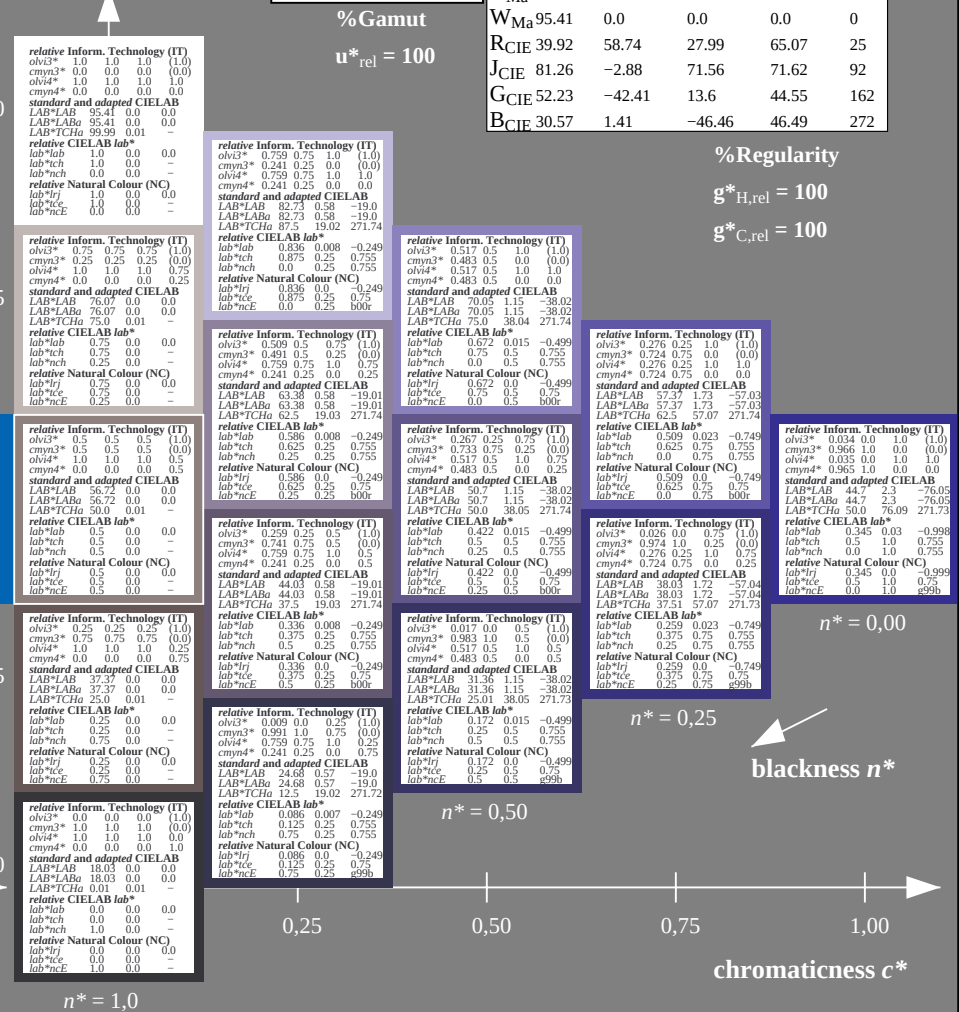


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

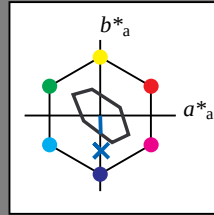
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

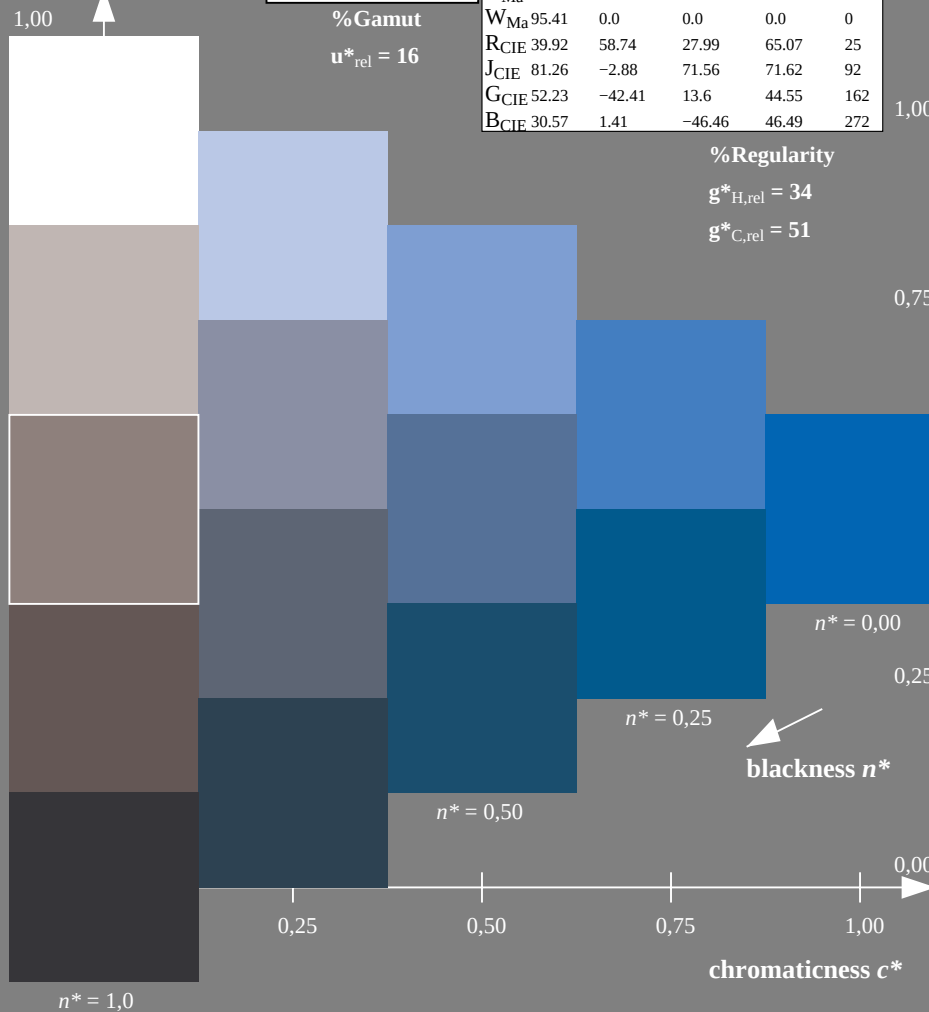


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

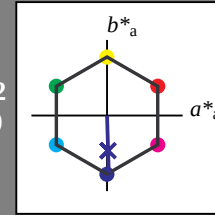
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness

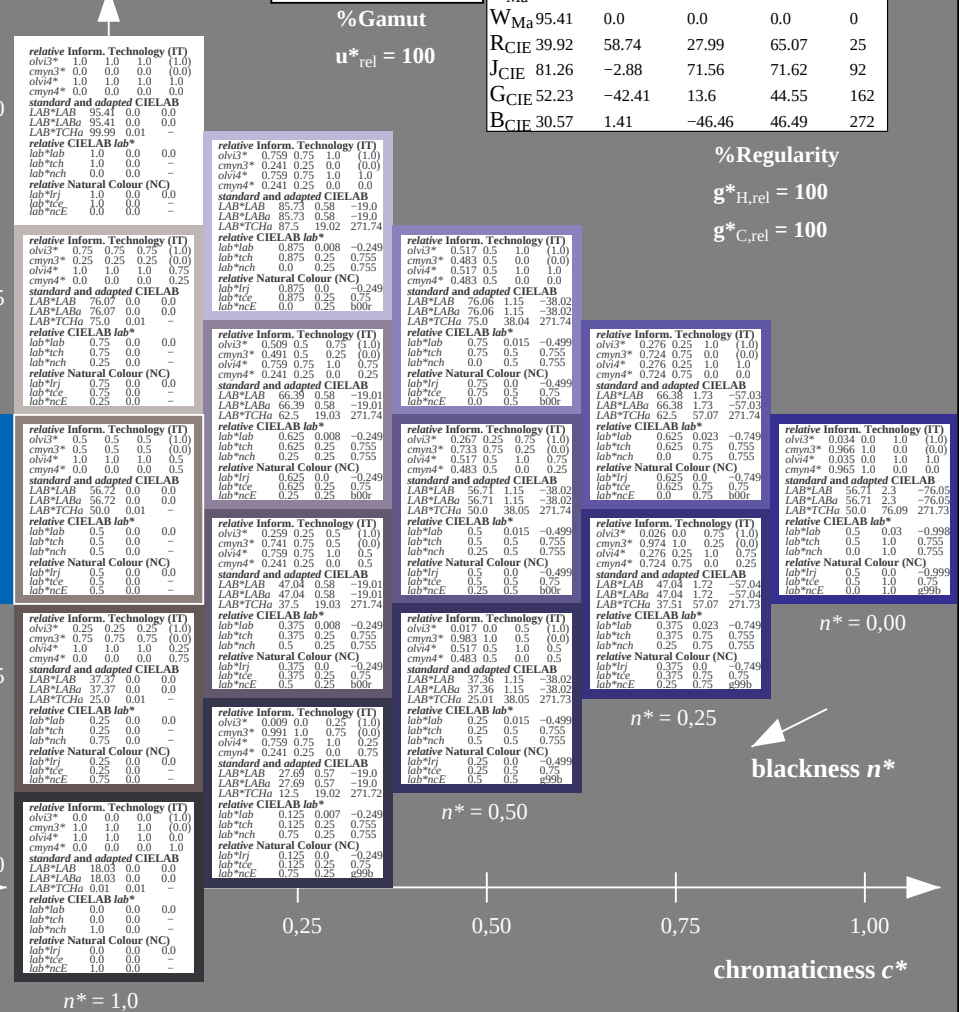


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

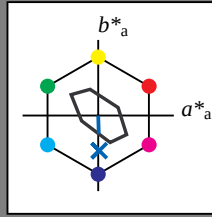
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness

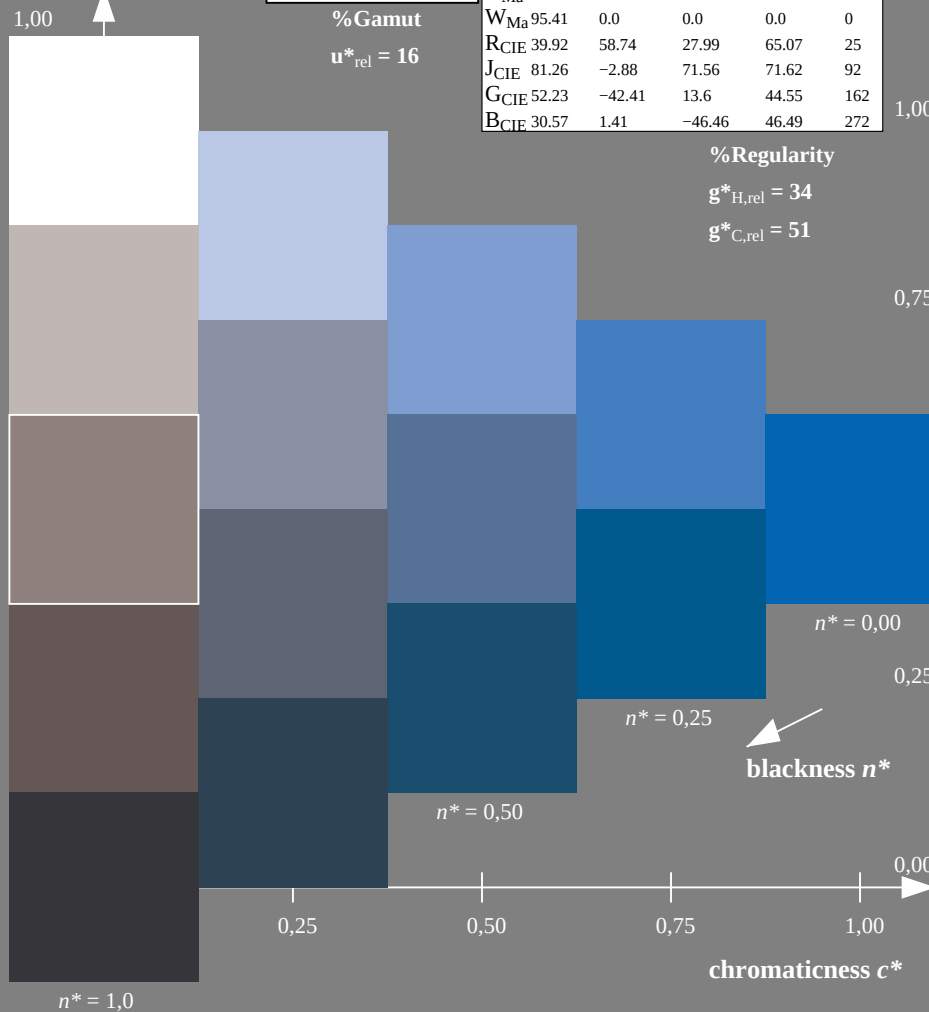


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



OE400-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

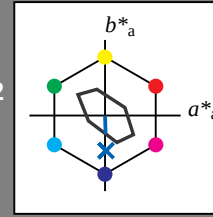
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

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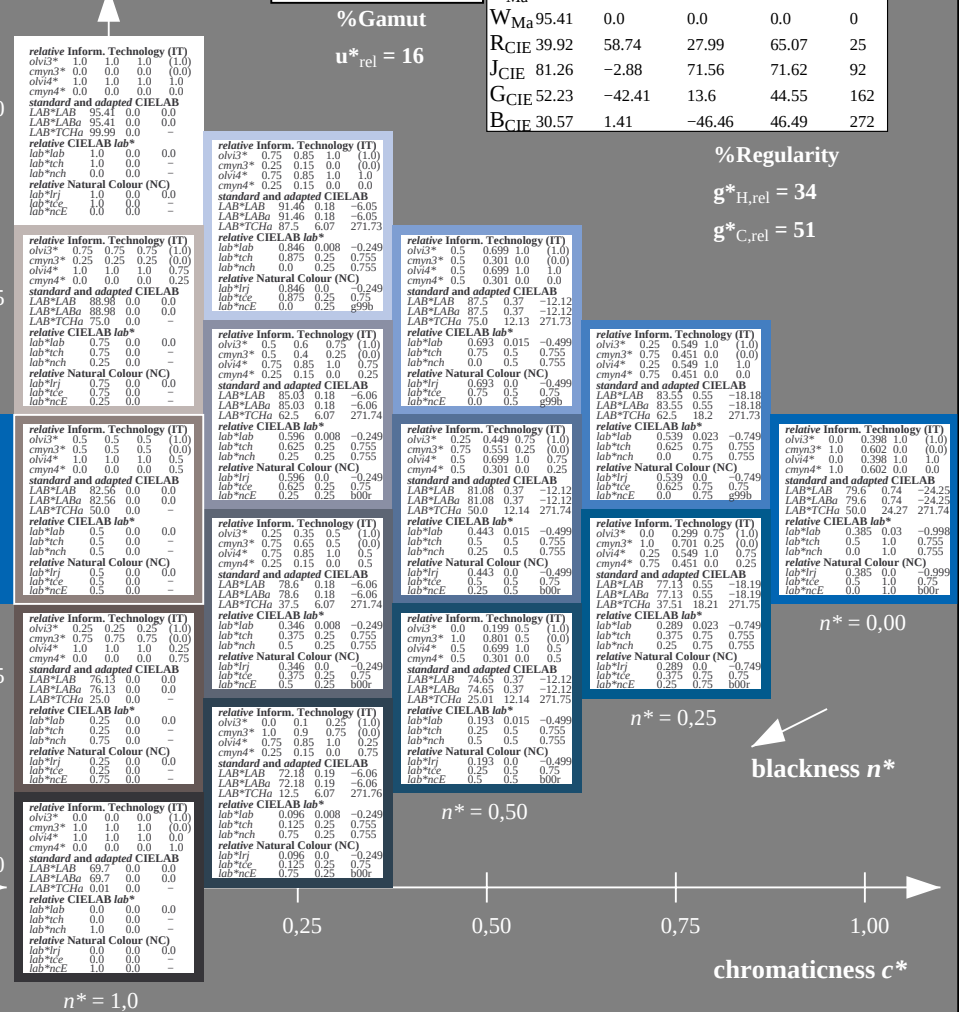


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%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)