

Input: Colorimetric Reflective System ORS18

for hue $h^* = \text{lab}^*h = 38/360 = 0.105$

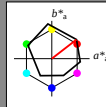
lab^*ch and lab^*nh

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{\text{rel}} = 93$

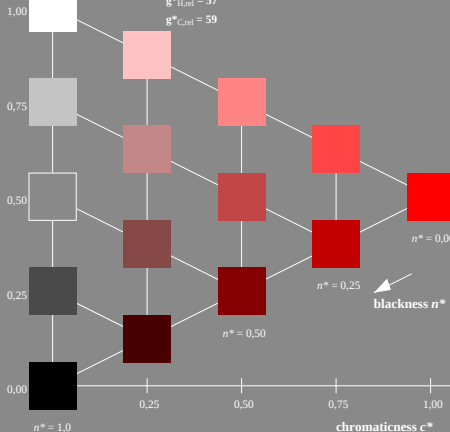
%Regularity

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

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

ORS18; adapted (a) CIELAB data

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



TE200-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Reflective System MRS18

for hue $h^* = \text{lab}^*h = 30/360 = 0.083$

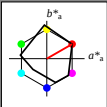
LAB^*LCH , LAB^*NCH

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

$u^*_{\text{rel}} = 91$

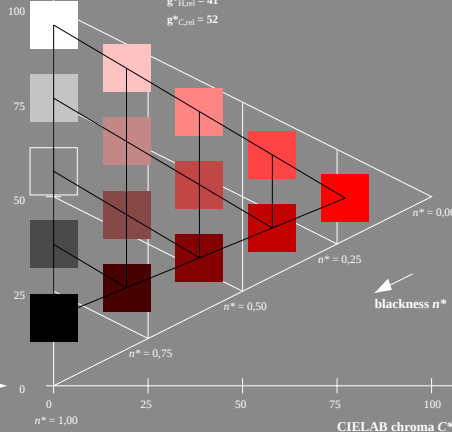
%Regularity

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

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

MRS18; adapted (a) CIELAB data

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



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

BAM-test chart TE20; Colorimetric systems ORS18 & MRS18
D65: Coordinate systems of 5 step colour scales for 10 hues

input: `olv*setrgbcolor`
output: `olv*setrgbcolor / w*setgray`