

Input: Colorimetric Reflective System MRS18a

for hue $h^* = \text{lab}^*h = 31/360 = 0.086$

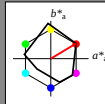
LAB*LCH, LAB*NCH

D65: hue R

LCH*Ma: 50 78 31

olv*Ma: 1.0 0.0 0.0

CIE LAB lightness L^*



%Gamut

$u^*_{\text{rel}} = 92$

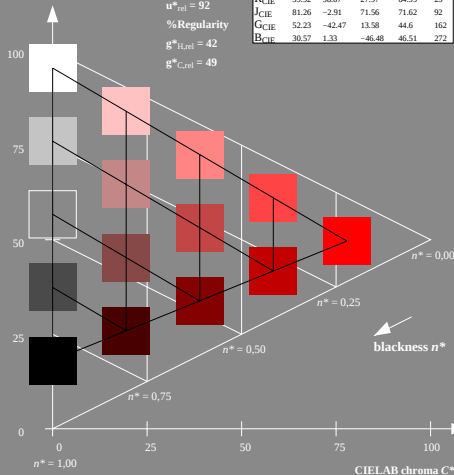
%Regularity

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

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

MRS18a; adapted (a) CIELAB data
 $L^* = L^*_a$ a^*_a b^*_a $C^*_{\text{ab},a}$ $h^*_{\text{ab},a}$

RMa	49.63	66.8	40.02	77.87	31
YMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	76.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272



TE360-7, 5 step scales for constant CIE LAB hue 31/360 = 0.086 (left)

Output: Colorimetric Reflective System ORS18

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

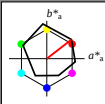
LAB*LCH, LAB*NCH

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

CIE LAB lightness L^*



%Gamut

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

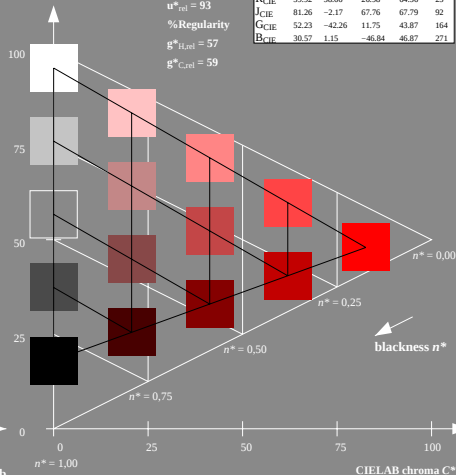
%Regularity

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

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

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
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271



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

BAM-test chart TE36; Colorimetric systems MRS18a & ORS18 input: olv* setrgbcolor
D65: Coordinate systems of 5 step colour scales for 10 hues output: olv* setrgbcolor / w* setgray