

Input: Colorimetric Reflective System ORS18

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

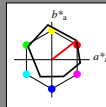
lab^*ch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness L^*



%Gamut

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

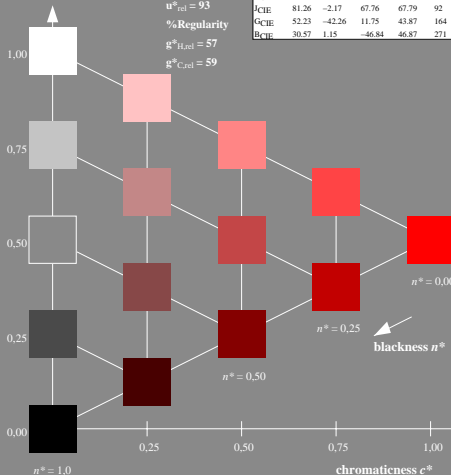
%Regularity

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

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

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



UE220-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Reflective System NRS11

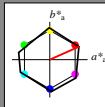
for hue $h^* = \text{lab}^*h = 24/360 = 0.067$

LAB^*LCH , LAB^*NCH

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0



%Gamut

$u^*_{\text{rel}} = 119$

%Regularity

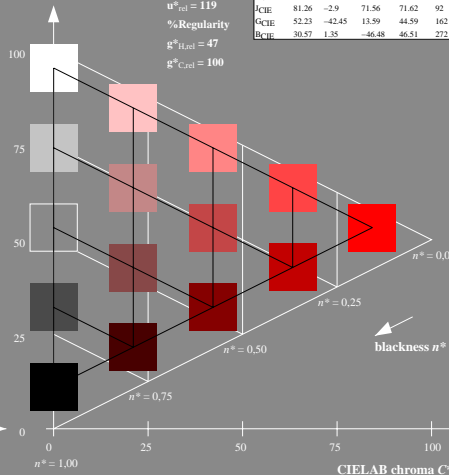
$g^*_{H,\text{rel}} = 47$

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

NRS11; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{\text{ab},a}$	$h^*_{\text{ab},a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.99	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

CIELAB lightness L^*



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

BAM-test chart UE22; Colorimetric systems ORS18 & NRS11
D65: Coordinate systems of 5 step colour scales for 10 hues

input: `cmv0* setcmkcolor`
output: `olv* setrgbcolor / w* setgray`