

Input: Colorimetric Reflective System NRS11

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

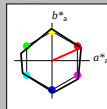
lab^*ch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

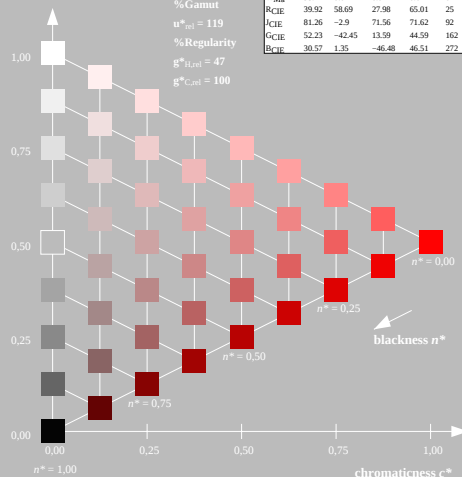
rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
YMa	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

%Gamut
 $u^*_{rel} = 119$
%Regularity
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$



UE77-7, 9 step scales for constant CIELAB hue 24/360 = 0.067 (left)

BAM-test chart UE77; Colorimetric systems NRS11 & ORS18
D65: 9 and 16 step colour scales for 10 hues

Output: Colorimetric Reflective System ORS18

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

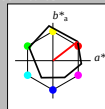
lab^*ch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

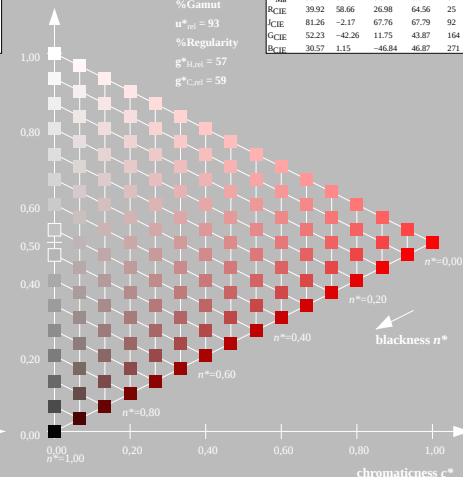
rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



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

%Gamut
 $u^*_{rel} = 93$
%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$



16 step scales for constant CIELAB hue 38/360 = 0.105 (right)

BAM material: code=ha4a
input: cmy0* setcmykcolor
output: olv* setrgbcolor / w* setgray