

Input: Colorimetric Reflective System ORS18

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

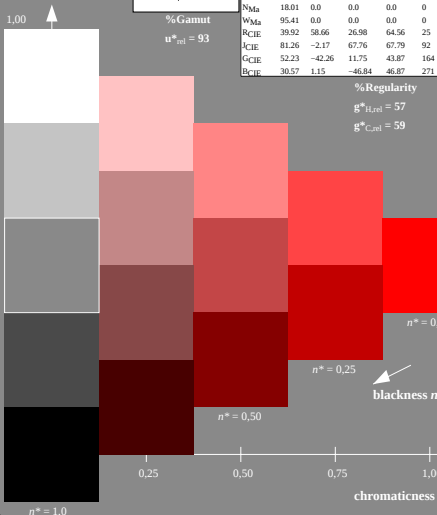
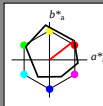
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness



ORS18; adapted (a) CIELAB data					
	$L^* = L_a^*$	a_a^*	b_a^*	C_{ab}^*	h_{ab}^*
O _{Ma}	47.94	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
M _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*H_{rel} = 57$

$g^*C_{rel} = 59$

Output: Colorimetric Reflective System MRS18

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

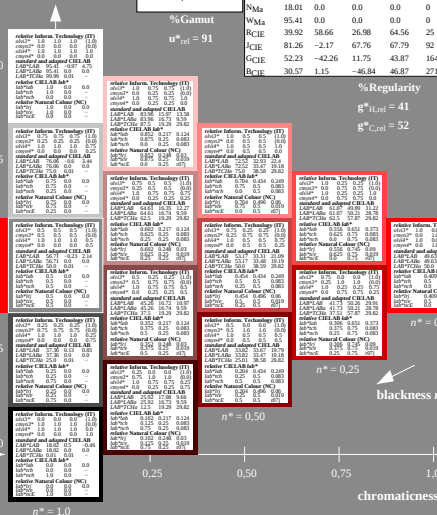
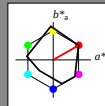
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness



MRS18; adapted (a) CIELAB data						
	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
a)	R _{Ma}	49.63	66.96	38.37	77.18	30
	Y _{Ma}	90.7	-6.36	88.75	88.98	94
	G _{Ma}	52.11	-69.73	9.44	70.37	172
	G _{50B} Ma	45.03	-36.57	-28.47	46.36	218
	B _{Ma}	36.65	23.19	-63.05	67.18	290
	B _{50R} Ma	34.94	57.17	-44.26	72.31	322
	N _{Ma}	18.01	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	64.56	25
	J _{CIE}	81.26	-2.17	67.76	67.79	92
b)	G _{CIE}	52.23	-42.26	11.75	43.87	164
	B _{CIE}	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*H_{rel} = 41$

$g^*C_{rel} = 52$

TE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

BAM-test chart TE40; Colorimetric systems ORS18 & MRS18

D65: 5 step colour scales and coordinate data for 10 hues

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

input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`