

Input: Colorimetric Reflective System MRS18

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

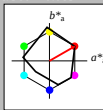
lab^*ch and lab^*nh

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}	h^*_{ab}	$h^*_{ab,a}$	
R _{Ma}	49.63	66.96	38.37	77.18	30	
J _{Ma}	90.7	-6.36	88.75	88.98	94	
G _{Ma}	52.11	-69.73	9.44	70.37	172	
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218	
B _{Ma}	36.65	23.19	-63.05	67.18	290	
B50R _{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 _{ClE}	39.92	58.66	26.98	64.56	25	
J _{ClE}	81.26	-2.17	67.76	67.79	92	
G _{ClE}	52.23	-42.26	11.75	43.87	164	
B _{ClE}	30.57	1.15	-46.84	46.87	271	

%Regularity

$g^*_{L,rel} = 41$

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

Output: Colorimetric Reflective System ORS18

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

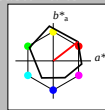
lab^*ch and lab^*nh

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

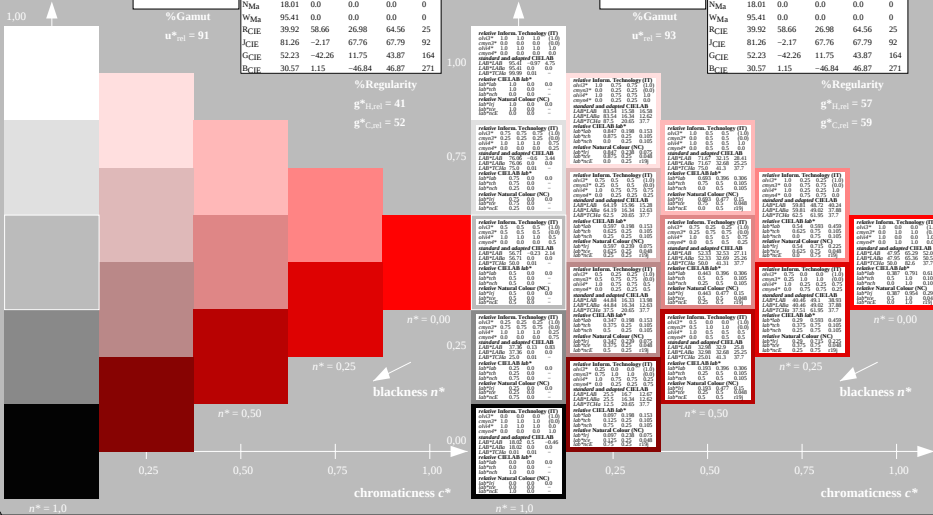


ORS18; adapted (a) CIELAB data						
$L^* = L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}	$h^*_{ab,a}$	
O _{Ma}	47.94	65.37	50.52	82.62	38	
Y _{Ma}	90.37	-10.27	91.77	92.34	96	
L _{Ma}	50.9	-62.79	34.95	71.87	151	
C _{Ma}	58.62	-30.35	-45.01	54.3	236	
V _{Ma}	25.71	31.11	-44.42	54.24	305	
M _{Ma}	48.13	75.27	-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 _{ClE}	39.92	58.66	26.98	64.56	25	
J _{ClE}	81.26	-2.17	67.76	67.79	92	
G _{ClE}	52.23	-42.26	11.75	43.87	164	
B _{ClE}	30.57	1.15	-46.84	46.87	271	

%Regularity

$g^*_{L,rel} = 57$

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



UE450-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart UE45; Colorimetric systems MRS18 & ORS18

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

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

input: `cmv0* setcmkcolor`

output: `olv* setrgbcolor / w* setgray`