

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

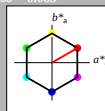
lab^*ch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

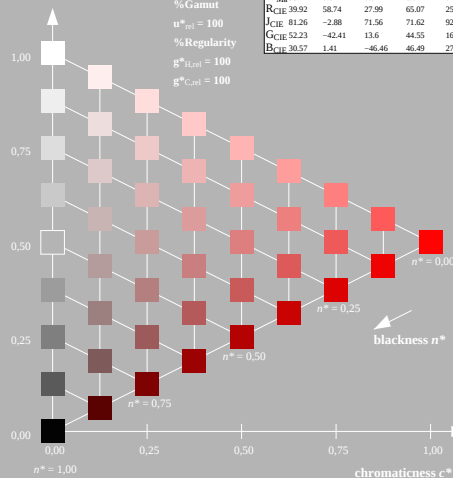
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data					
$L^*=L_a^*$	a^*	b^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O _{Ma} 56.71	67.03	38.7	77.4	30	
Y _{Ma} 56.71	0.0	77.4	77.4	90	
L _{Ma} 56.71	-67.02	38.7	77.4	150	
C _{Ma} 56.71	-67.02	-38.69	77.4	210	
V _{Ma} 56.71	0.0	-77.39	77.4	270	
M _{Ma} 56.71	67.03	-38.69	77.4	330	
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	58.74	27.99	65.07	25	
J _{CIE} 81.26	-2.88	71.56	71.62	92	
G _{CIE} 52.23	-42.41	13.6	44.55	162	
B _{CIE} 30.57	1.41	-46.46	46.49	272	

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



NE77-7,9 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart NE77; Colorimetric systems SRS18 & ORS18
D65: 9 and 16 step colour scales for 10 hues

Output: Colorimetric Offset Reflective System ORS18

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

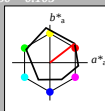
lab^*ch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

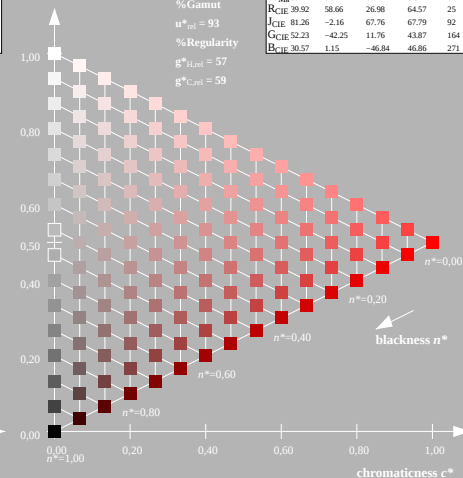
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
$L^*=L_a^*$	a^*	b^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O _{Ma} 47.94	65.39	50.52	82.63	38	
Y _{Ma} 90.37	-10.26	91.75	92.32	96	
L _{Ma} 50.9	-62.83	34.96	71.91	151	
C _{Ma} 58.62	-30.34	-45.01	54.3	236	
V _{Ma} 25.72	31.1	-44.4	54.22	305	
M _{Ma} 48.13	75.28	-8.36	75.74	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	64.57	25	
J _{CIE} 81.26	-2.16	67.76	67.79	92	
G _{CIE} 52.23	-42.25	11.76	43.87	164	
B _{CIE} 30.57	1.15	-46.84	46.86	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=ha4ta
input: olv*setrgbcolor
output: olv*setrgbcolor / w* setgray