

Input: Colorimetric Offset Reflective System ORS18

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

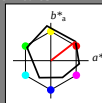
lab^*ch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

ol*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{M4}	47.94	65.39	50.52	82.63	38
Y_{M4}	90.37	-10.26	91.75	92.32	96
L_{M4}	50.9	-62.83	34.96	71.91	151
C_{M4}	58.62	-30.34	-45.01	54.3	236
V_{M4}	25.72	31.1	-44.4	54.22	305
M_{M4}	48.13	75.28	-8.36	75.74	354
N_{M4}	18.01	0.0	0.0	0.0	0
W_{M4}	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

Output: Colorimetric Offset Reflective System ORS18

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

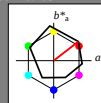
lab^*ch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

ol*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

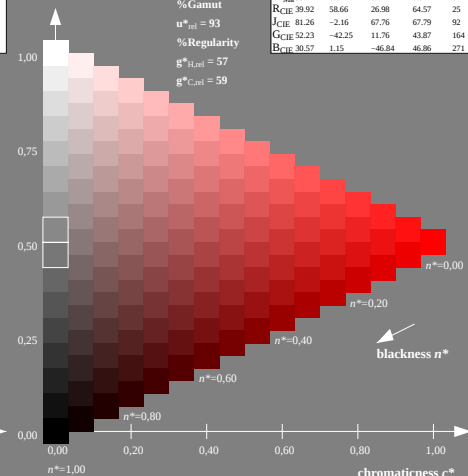
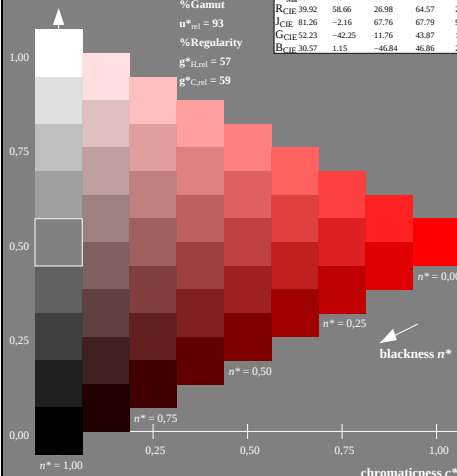
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{M4}	47.94	65.39	50.52	82.63	38
Y_{M4}	90.37	-10.26	91.75	92.32	96
L_{M4}	50.9	-62.83	34.96	71.91	151
C_{M4}	58.62	-30.34	-45.01	54.3	236
V_{M4}	25.72	31.1	-44.4	54.22	305
M_{M4}	48.13	75.28	-8.36	75.74	354
N_{M4}	18.01	0.0	0.0	0.0	0
W_{M4}	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



NE940-7, 9 step scales for constant CIELAB hue 38/360 = 0.105 (left)

BAM-test chart NE94; Colorimetric systems ORS18 & ORS18
D65: 9 and 16 step colour scales for 10 hues

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

input: ol* setrgbcolor
output: no change compared to input