

Input: Colorimetric Offset Reflective System ORS18

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

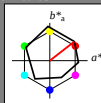
lab^*ch and lab^*nch

D50: hue O

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 94$

%Regularity

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{M5}	47.94	65.05	50.54	82.38	38
Y_{M5}	91.0	-4.72	90.58	90.7	93
L_{M5}	50.9	-63.18	34.98	72.22	151
C_{M5}	56.99	-39.34	-48.1	62.16	231
V_{M5}	25.72	30.89	-44.4	54.09	305
M_{M5}	49.99	75.76	-4.64	75.9	356
N_{M5}	18.09	0.0	0.0	0.0	0
W_{M5}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	-41.32	9.74	42.46	167
B_{CIE}	29.2	-5.79	-49.61	49.96	263

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 38/360 = 0.107$

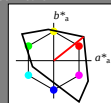
lab^*ch and lab^*nch

D50: hue O

LCH*Ma: 54 101 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 156$

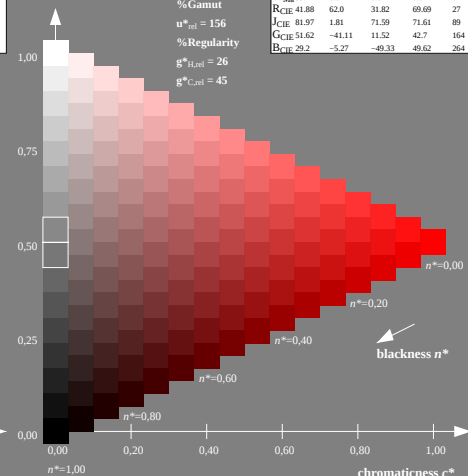
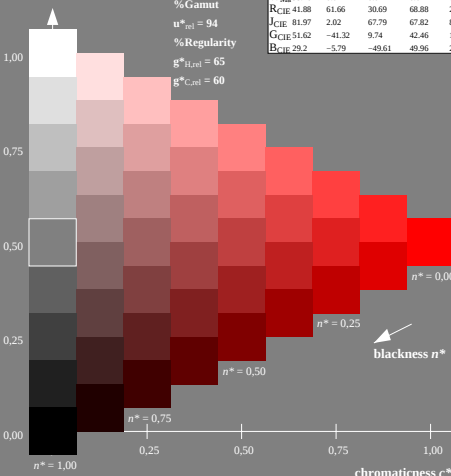
%Regularity

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{M5}	54.19	79.36	63.0	101.33	38
Y_{M5}	93.44	-14.18	82.59	83.8	100
L_{M5}	82.82	-83.73	70.41	109.41	140
C_{M5}	85.22	-55.9	-15.78	58.1	196
V_{M5}	25.61	67.05	-108.87	127.87	302
M_{M5}	58.76	91.18	-53.69	105.82	330
N_{M5}	0.01	0.0	0.0	0.0	0
W_{M5}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	-41.11	11.52	42.7	164
B_{CIE}	29.2	-5.27	-49.33	49.62	264



PE900-7, 9 step scales for constant CIELAB hue 38/360 = 0.105 (left)

16 step scales for constant CIELAB hue 38/360 = 0.107 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00

D50: 9 and 16 step colour scales for 10 hues

input: olv* setrgbcolor

output: no change compared to input