

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

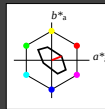
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

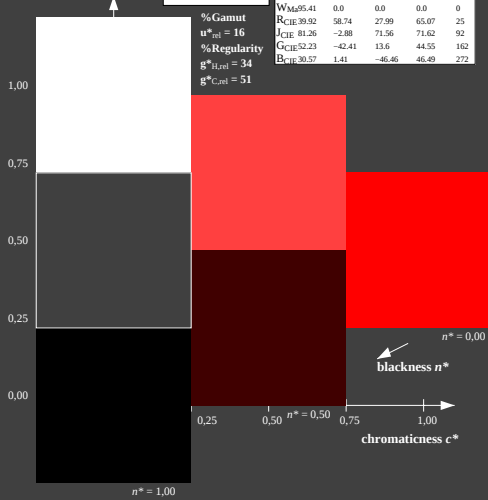
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 16$
%Regularity
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

TLS70; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa 76.43	26.27	10.57	28.32	22	
YMa 93.93	-10.76	34.63	36.27	107	
LMa 89.32	-35.8	27.64	45.24	142	
CMa 90.93	-21.95	-7.07	23.07	198	
VMa 72.1	15.76	-35.63	38.97	294	
MMa 78.5	37.52	-25.23	45.22	326	
NMa 69.7	0.0	0.0	0.0	0	
WMa 95.41	0.0	0.0	0.0	0	
RCIE 39.92	58.74	27.99	65.07	25	
JCIE 81.26	-2.88	71.56	71.62	92	
GCIE 52.23	-42.41	13.6	44.55	162	
BCIE 30.57	1.41	-46.46	46.49	272	



NE880-7, 3 step scales for constant CIE LAB hue 22/360 = 0.061 (left)

BAM-test chart NE88; Colorimetric systems TLS70 & TLS00
D65: 3 and 5 step colour scales for 10 hues

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

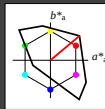
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

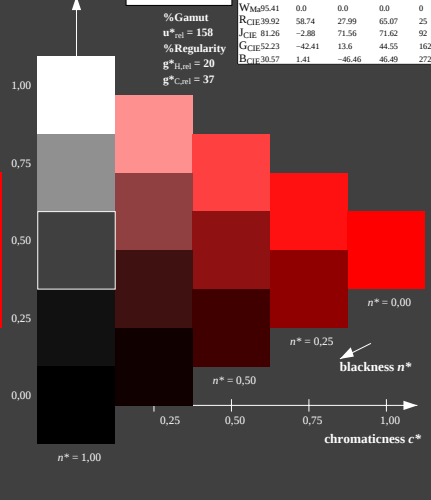
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$
%Regularity
 $g^*_{H,rel} = 20$
 $g^*_{C,rel} = 37$

TLS00; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa 50.5	76.92	64.55	100.42	40	
YMa 92.66	-20.69	90.75	93.08	103	
LMa 83.63	-82.75	79.9	115.04	136	
CMa 86.88	-46.16	-13.55	48.12	196	
VMa 30.39	76.06	-103.59	128.52	306	
MMa 57.3	94.35	-58.41	110.97	328	
NMa 0.01	0.0	0.0	0.0	0	
WMa 95.41	0.0	0.0	0.0	0	
RCIE 39.92	58.74	27.99	65.07	25	
JCIE 81.26	-2.88	71.56	71.62	92	
GCIE 52.23	-42.41	13.6	44.55	162	
BCIE 30.57	1.41	-46.46	46.49	272	



5 step scales for constant CIE LAB hue 40/360 = 0.111 (right)

input: $olv^* setrgbcolor$
output: $olv^* setrgbcolor / w^* setgray$