

Input: Colorimetric Television Luminous System TLS70

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

LAB*LCH, LAB*NCH

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*

%Gamut

$u^*_{rel} = 16$

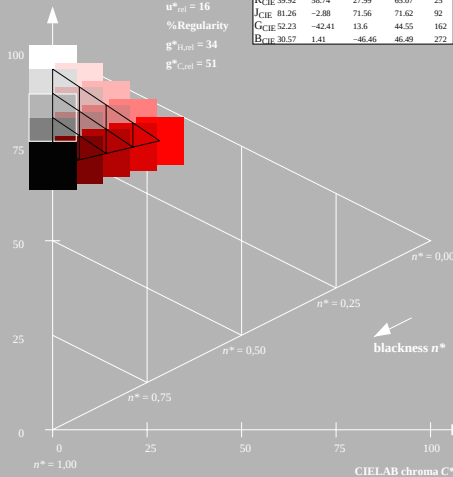
%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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



NE38-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

Output: Colorimetric Television Luminous System TLS00

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

LAB*LCH, LAB*NCH

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*

%Gamut

$u^*_{rel} = 158$

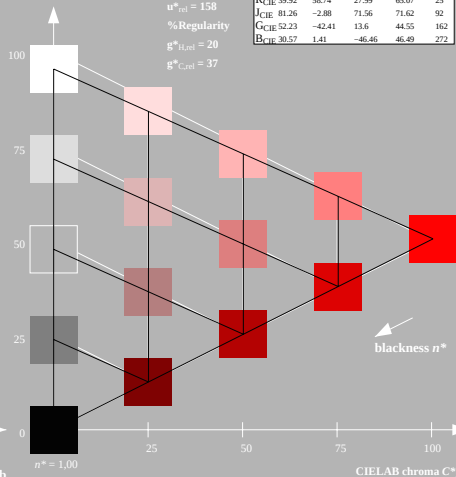
%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 CIELAB hue 40/360 = 0.111 (right)

BAM-test chart NE38; Colorimetric systems TLS70 & TLS00
D65: Coordinate systems of 5 step colour scales for 10 hues

input: `olv*setrgbcolor`
output: `olv*setrgbcolor / w*setgray`