

Input: Colorimetric Television Luminous System TLS00

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

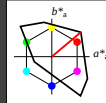
LAB*LCH, LAB*NCH

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

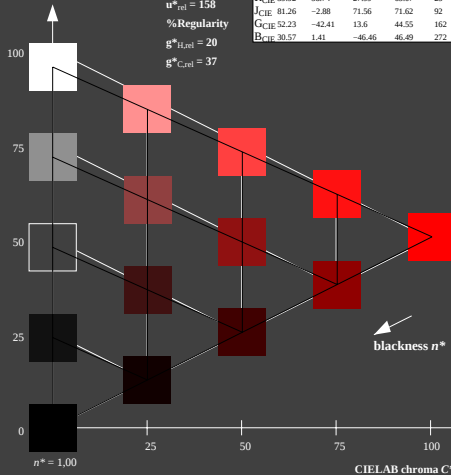
$u^*_{rel} = 158$

%Regularity

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

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

TLS00; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Md} 50.5	76.92	64.55	100.42	40	
Y _{Md} 92.66	-20.69	90.75	93.08	103	
L _{Md} 83.63	-82.75	79.9	115.04	136	
C _{Md} 86.88	-46.16	-13.55	48.12	196	
V _{Md} 30.39	76.06	-103.59	128.52	306	
M _{Md} 57.3	94.35	-58.41	110.97	328	
N _{Md} 0.01	0.0	0.0	0.0	0	
W _{Md} 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	



NE330-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Television Luminous System TLS70

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

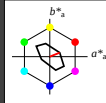
LAB*LCH, LAB*NCH

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

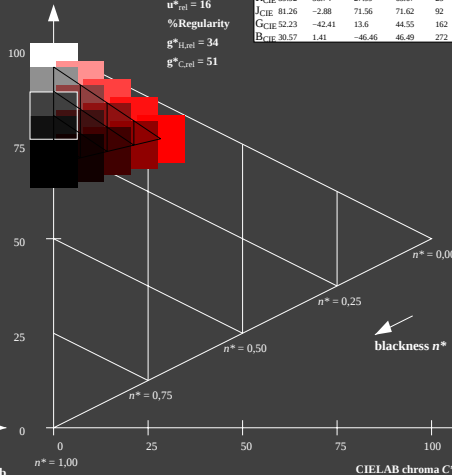
$u^*_{rel} = 16$

%Regularity

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

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

TLS70; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Md} 76.43	26.27	10.57	28.32	22	
Y _{Md} 93.93	-10.76	34.63	36.27	107	
L _{Md} 89.32	-35.8	27.64	45.24	142	
C _{Md} 90.93	-21.95	-7.07	23.07	198	
V _{Md} 72.1	15.76	-35.63	38.97	294	
M _{Md} 78.5	37.52	-25.23	45.22	326	
N _{Md} 69.7	0.0	0.0	0.0	0	
W _{Md} 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	



5 step scales for constant CIELAB hue 22/360 = 0.061 (right)

BAM-test chart NE33; Colorimetric systems TLS00 & TLS70
D65: Coordinate systems of 5 step colour scales for 10 hues

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