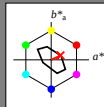


Input and output: Colorimetric Television Luminous System TLS70a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

data for any colour:
 lab^*tch^* and lab^*ncu^*
elementary and device
hue text:

$u^* = r00j$ $d^* = o04y$

triangle lightness t^*



TLS70a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.77	34.63	36.27	107
L _{Ma}	89.32	-35.81	27.64	45.24	142
C _{Ma}	90.93	-21.96	-7.08	23.07	198
V _{Ma}	72.1	15.76	-35.64	38.97	294
M _{Ma}	78.5	37.52	-25.24	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 77 25 12

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 77 27 25

$\text{lab}^*\text{rgb}^*\text{Ma}$: 1.0 0.0 0.0

$\text{lab}^*\text{olv}^*\text{Ma}$: 1.0 0.04 0.0

triangle lightness t^*

%Gamut

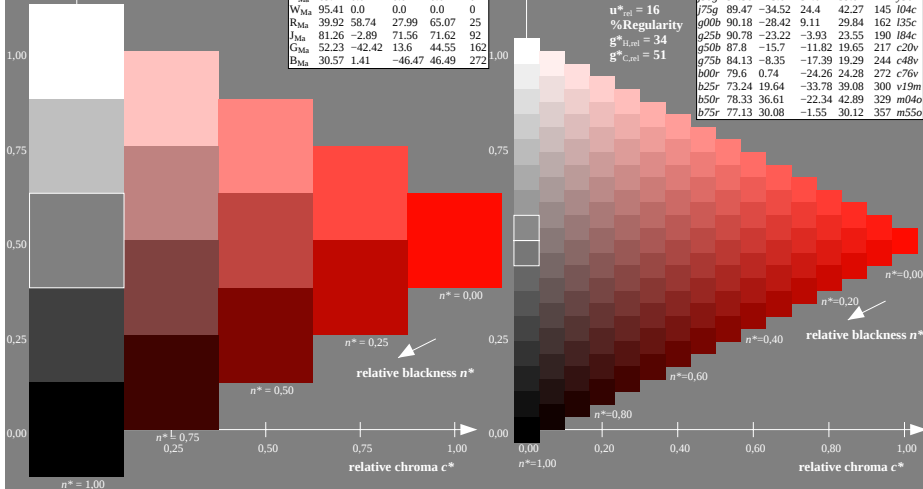
$u^*_{rel} = 16$

%Regularity

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

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

TLS70a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	77.25	24.54	11.69	27.18	25
r25j	80.45	17.76	16.1	23.97	42
r50j	83.18	11.98	19.85	23.19	59
r75j	85.97	6.08	23.69	24.45	76
j00g	89.38	-1.15	28.38	28.4	92
j25g	93.65	-12.31	34.2	36.35	110
j50g	91.56	-23.62	31.04	39.01	127
j75g	89.47	-34.52	24.4	42.27	145
g00b	90.18	-28.42	9.11	29.84	162
g25b	90.78	-23.22	-3.93	23.55	190
g50b	87.8	-15.7	-11.82	19.65	217
g75b	84.13	-8.35	-17.39	19.29	244
b00r	79.6	0.74	-24.26	24.28	272
b25r	73.24	19.64	-33.78	39.08	300
b50r	78.33	36.61	-22.34	42.89	329
b75r	77.13	30.08	-1.55	30.12	357



IE590-7N

TUB-test chart IE59; Colorimetric systems, Page 1/16
Hue plane and data table for 16 hues r00j to b75r

input: rgb ($\rightarrow \text{rgb}^*$) setrgbcolor
output: no change compared to input