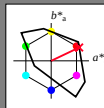


Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

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

$u^* = r00j$ $d^* = m85o$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_{ab}	a^*_{ab}	b^*_{ab}	C^*_{ab}	h^*_{ab}
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 54 74 35

$\text{LAB}^*\text{LCH}^*_{Ma}$: 54 82 25

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.14

triangle lightness t^*

%Gamut

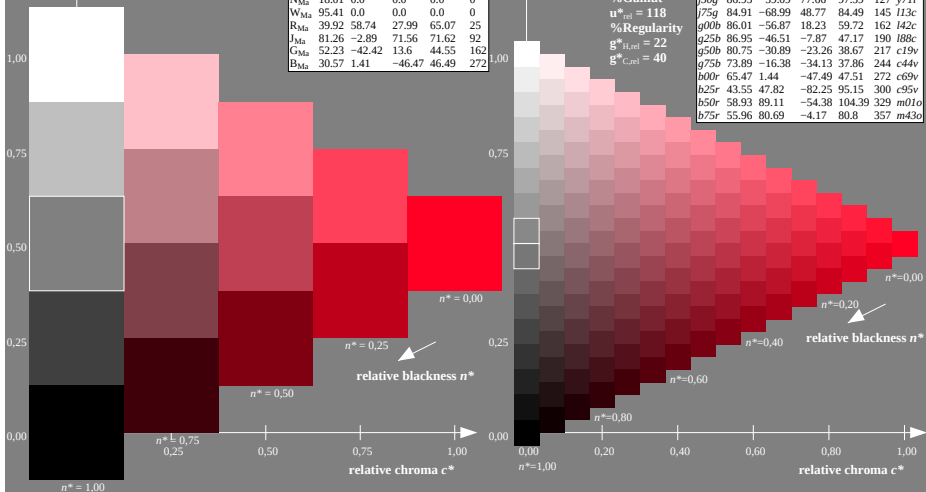
$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_{ab}	a^*_{ab}	b^*_{ab}	C^*_{ab}	h^*_{ab}
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



IE580-7N

TUB-test chart IE58; Colorimetric systems, Page 1/16
Hue plane and data table for 16 hues r00j to b75r

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