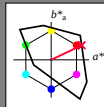


Input and output: Colorimetric Television Luminous System TLS00a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

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

$u^* = r00j$ $d^* = m79o$

triangle lightness t^*



TLS00a; adapted (a) CIELAB data					
Name	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 52 81 38

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 52 89 25

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 1.0 0.0 0.2

triangle lightness t^*

%Gamut

$u^*_{rel} = 158$

%Regularity

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

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

TLS00a; adapted (a) CIELAB data					
u^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	51.95	80.62	38.41	89.3	25
r25j	52.4	72.52	65.73	97.88	42
r50j	64.61	44.24	73.32	85.63	59
r75j	74.89	20.46	79.71	82.29	76
j00g	85.23	-3.48	86.13	86.2	92
j25g	91.02	-31.95	88.78	94.35	110
j50g	86.44	-63.37	83.29	104.66	127
j75g	84.65	-71.14	50.29	87.12	145
g00b	85.75	-58.84	18.86	61.79	162
g25b	86.69	-48.26	-8.16	48.94	190
g50b	80.3	-31.91	-24.03	39.95	217
g75b	73.34	-16.86	-35.12	38.96	244
b00r	64.87	1.48	-48.64	48.66	272
b25r	43.19	48.37	-83.19	96.23	300
b50r	57.26	94.22	-57.5	110.38	329
b75r	54.32	86.7	-4.48	86.82	357

