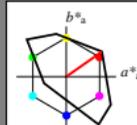


Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$
 lab^*tch and lab^*nch

D65: hue O
 LCH*Ma: 53 87 35
 olv*Ma: 1.0 0.0 0.0

triangle lightness l^*



%Gamut
 $u^*_{rel} = 118$
 %Regularity
 $g^*_{C,rel} = 22$
 $g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

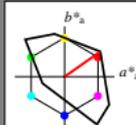
L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 52.76	71.63	49.88	87.29	35
Y _{Ma} 92.74	-20.02	84.97	87.3	103
L _{Ma} 84.0	-78.98	73.94	108.2	137
C _{Ma} 87.14	-44.41	-13.11	46.32	196
V _{Ma} 35.47	64.92	-95.06	115.12	304
M _{Ma} 59.01	89.33	-55.67	105.26	328
N _{Ma} 18.01	0.0	0.0	0.0	0
W _{Ma} 95.41	0.0	0.0	0.0	0
R _{CE} 39.92	58.74	27.99	65.07	25
J _{CE} 81.26	-2.88	71.56	71.62	92
G _{CE} 52.23	-42.41	13.6	44.55	162
B _{CE} 30.57	1.41	-46.46	46.49	272

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$
 lab^*tch and lab^*nch

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B _{CE} 30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)
 $olv3^* = 1.0$ 1.0 1.0 (1.0)
 $cmyn3^* = 0.0$ 0.0 0.0 (0.0)
 $olv4^* = 1.0$ 1.0 1.0 (1.0)
 $cmyn4^* = 0.0$ 0.0 0.0 (0.0)

standard and adapted CIELAB
 $LAB^*LAB = 95.41$ 0.0 0.0
 $LAB^*LAb_a = 95.41$ 0.0 0.0
 $LAB^*TCh_a = 99.99$ 0.01

relative CIELAB lab*
 $lab^*lab = 1.0$ 0.0 0.0
 $lab^*tch = 1.0$ 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r_j = 1.0$ 0.0 0.0
 $lab^*t^*c_e = 1.0$ 0.0 -

relative Inform. Technology (IT)
 $olv3^* = 0.5$ 0.5 0.5 (1.0)
 $cmyn3^* = 0.5$ 0.5 0.5 (0.0)
 $olv4^* = 1.0$ 1.0 1.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 (0.5)

standard and adapted CIELAB
 $LAB^*LAB = 56.72$ 0.0 0.0
 $LAB^*LAb_a = 56.72$ 0.0 0.0
 $LAB^*TCh_a = 50.0$ 0.01

relative CIELAB lab*
 $lab^*lab = 0.5$ 0.0 0.0
 $lab^*tch = 0.5$ 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r_j = 0.5$ 0.0 0.0
 $lab^*t^*c_e = 0.5$ 0.0 -

relative Inform. Technology (IT)
 $olv3^* = 0.5$ 0.5 0.5 (1.0)
 $cmyn3^* = 0.5$ 1.0 1.0 (0.0)
 $olv4^* = 1.0$ 1.0 1.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 (1.0)

standard and adapted CIELAB
 $LAB^*LAB = 18.03$ 0.0 0.0
 $LAB^*LAb_a = 18.03$ 0.0 0.0
 $LAB^*TCh_a = 0.01$ 0.01

relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r_j = 0.0$ 0.0 0.0
 $lab^*t^*c_e = 0.0$ 0.0 -

relative Inform. Technology (IT)
 $olv3^* = 0.0$ 0.0 0.0 (1.0)
 $cmyn3^* = 1.0$ 1.0 1.0 (0.0)
 $olv4^* = 1.0$ 1.0 1.0 (0.0)
 $cmyn4^* = 0.0$ 0.0 0.0 (1.0)

standard and adapted CIELAB
 $LAB^*LAB = 18.03$ 0.0 0.0
 $LAB^*LAb_a = 18.03$ 0.0 0.0
 $LAB^*TCh_a = 0.01$ 0.01

relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r_j = 0.0$ 0.0 0.0
 $lab^*t^*c_e = 0.0$ 0.0 -

relative Inform. Technology (IT)
 $olv3^* = 1.0$ 0.5 0.5 (1.0)
 $cmyn3^* = 0.0$ 0.5 0.5 (0.0)
 $olv4^* = 1.0$ 0.0 0.5 (1.0)
 $cmyn4^* = 0.0$ 0.5 0.5 (0.0)

standard and adapted CIELAB
 $LAB^*LAB = 74.08$ 35.81 24.94
 $LAB^*LAb_a = 74.08$ 35.81 24.94
 $LAB^*TCh_a = 75.0$ 43.63 34.85

relative CIELAB lab*
 $lab^*lab = 0.724$ 0.41 0.286
 $lab^*tch = 0.725$ 0.5 0.097

relative Natural Colour (NC)
 $lab^*l^*r_j = 0.724$ 0.488 0.109
 $lab^*t^*c_e = 0.725$ 0.5 0.035

relative Inform. Technology (IT)
 $olv3^* = 0.5$ 0.0 0.0 (1.0)
 $cmyn3^* = 0.5$ 1.0 1.0 (0.0)
 $olv4^* = 1.0$ 0.5 0.5 (0.5)
 $cmyn4^* = 0.0$ 0.5 0.5 (0.5)

standard and adapted CIELAB
 $LAB^*LAB = 35.39$ 35.81 24.94
 $LAB^*LAb_a = 35.39$ 35.81 24.94
 $LAB^*TCh_a = 25.01$ 43.63 34.85

relative CIELAB lab*
 $lab^*lab = 0.225$ 0.41 0.286
 $lab^*tch = 0.225$ 0.5 0.097

relative Natural Colour (NC)
 $lab^*l^*r_j = 0.225$ 0.488 0.109
 $lab^*t^*c_e = 0.225$ 0.5 0.035

relative Inform. Technology (IT)
 $olv3^* = 0.5$ 0.5 0.5 (1.0)
 $cmyn3^* = 0.5$ 1.0 1.0 (0.0)
 $olv4^* = 1.0$ 1.0 1.0 (0.0)
 $cmyn4^* = 0.5$ 0.5 0.5 (1.0)

standard and adapted CIELAB
 $LAB^*LAB = 25.01$ 43.63 34.85
 $LAB^*LAb_a = 25.01$ 43.63 34.85
 $LAB^*TCh_a = 25.01$ 43.63 34.85

relative CIELAB lab*
 $lab^*lab = 0.225$ 0.41 0.286
 $lab^*tch = 0.225$ 0.5 0.097

relative Natural Colour (NC)
 $lab^*l^*r_j = 0.225$ 0.488 0.109
 $lab^*t^*c_e = 0.225$ 0.5 0.035

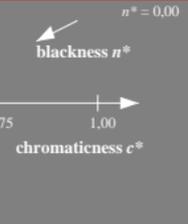
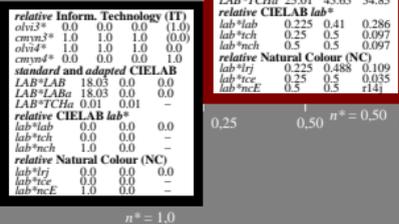
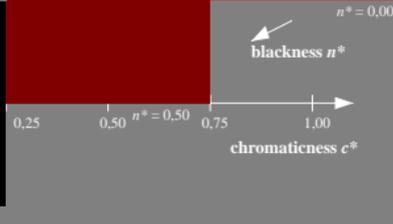
relative Inform. Technology (IT)
 $olv3^* = 1.0$ 0.0 0.0 (1.0)
 $cmyn3^* = 0.0$ 1.0 1.0 (0.0)
 $olv4^* = 1.0$ 0.0 1.0 (0.0)
 $cmyn4^* = 0.0$ 1.0 1.0 (0.0)

standard and adapted CIELAB
 $LAB^*LAB = 52.76$ 71.62 49.87
 $LAB^*LAb_a = 52.76$ 71.62 49.87
 $LAB^*TCh_a = 50.0$ 87.27 34.85

relative CIELAB lab*
 $lab^*lab = 0.449$ 0.82 0.571
 $lab^*tch = 0.449$ 0.976 0.218

relative Natural Colour (NC)
 $lab^*l^*r_j = 0.449$ 0.976 0.218
 $lab^*t^*c_e = 0.5$ 1.0 0.035

relative Inform. Technology (IT)
 $olv3^* = 0.0$ 1.0 (1.0)
 $cmyn3^* = 0.0$ 1.0 (1.0)



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