

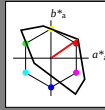
Input: Colorimetric Television Luminous System TLS18

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 t^*



% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{Hrel} = 22$

$g^*_{Crel} = 40$

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*LABo 95.41 0.0 0.0
LAB*TCHo 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.5 0.5 (1.0)
lab*tch 1.0 0.0 -
lab*nch 0.0 1.0 0.0 -
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABo 56.72 0.0 0.0
LAB*TCHo 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 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*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1.0$

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 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.08 35.81 24.94
LAB*LABo 74.08 35.81 24.94
LAB*TCHo 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.724 0.41 0.286
lab*tch 0.75 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*lrj 0.724 0.488 0.109
lab*tce 0.75 0.5 0.035
lab*nce 0.0 0.5 0.141

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
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lab*tce 0.25 0.5 0.035
lab*nce 0.5 0.5 0.141

blackness n^*

chromaticness c^*

0.25 0.50 $n^* = 0.50$ 0.75 1.00

TLS18; adapted (a) CIELAB data				
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 52.76	71.63	49.88	87.29	35
YMa 92.74	-20.02	84.97	87.3	103
LMa 84.0	-78.98	73.94	108.2	137
CMa 87.14	-44.41	-13.11	46.32	196
VMa 35.47	64.92	-95.06	115.12	304
MMa 59.01	89.33	-55.67	105.26	328
NMa 18.01	0.0	0.0	0.0	0
WMa 95.41	0.0	0.0	0.0	0
RCIE 39.92	58.74	27.99	65.07	25
JCIE 81.26	-2.88	71.56	71.62	92
GCIE 82.23	-42.41	13.6	44.55	162
BCIE 30.57	1.41	-46.46	46.49	272

$n^* = 0.00$

blackness n^*

chromaticness c^*

0.25 0.50 $n^* = 0.50$ 0.75 1.00

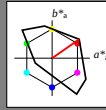
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lab*nce 1.0 0.0 -

$n^* = 1.0$

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relative Natural Colour (NC)
lab*lrj 0.724 0.488 0.109
lab*tce 0.75 0.5 0.035
lab*nce 0.0 0.5 0.141

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
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LAB*TCHo 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
lab*nch 0.5 0.0 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*tce 0.25 0.5 0.035
lab*nce 0.5 0.5 0.141

0.25 0.50 $n^* = 0.50$ 0.75 1.00

chromaticness c^*

0.25 0.50 $n^* = 0.50$ 0.75 1.00

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cmyn3* 0.0 1.0 1.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABo 56.72 0.0 0.0
LAB*TCHo 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.449 0.82 0.571
lab*tch 0.449 0.976 0.218
lab*nch 0.0 1.0 0.097
relative Natural Colour (NC)
lab*lrj 0.449 0.976 0.218
lab*tce 0.5 1.0 0.035
lab*nce 0.0 1.0 0.141

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.39 35.81 24.94
LAB*LABo 35.39 35.81 24.94
LAB*TCHo 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
lab*nch 0.5 0.0 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*tce 0.25 0.5 0.035
lab*nce 0.5 0.5 0.141

0.25 0.50 $n^* = 0.50$ 0.75 1.00

chromaticness c^*

0.25 0.50 $n^* = 0.50$ 0.75 1.00