

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

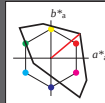
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{rel} = 20$

$g^*_{Crel} = 37$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 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 0.0 (1.0)
lab*tch 1.0 0.0 -

lab*nch 0.0 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 -

standard and adapted CIELAB

LAB*LAB 72.95 38.45 32.27
LAB*LABo 72.95 38.45 32.27
LAB*TCHo 75.0 50.2 40.0

relative CIELAB lab*

lab*lab 0.765 0.383 0.321
lab*tch 0.75 0.5 0.111
lab*nch 0.0 0.5 0.111

relative Natural Colour (NC)

lab*lrj 0.765 0.471 0.167
lab*tce 0.75 0.5 0.054
lab*nce 0.0 0.5 0.231

standard and adapted CIELAB

LAB*LAB 50.5 76.9 64.54
LAB*LABo 50.5 76.9 64.54
LAB*TCHo 50.0 100.4 40.0

relative CIELAB lab*

lab*lab 0.529 0.766 0.643
lab*tch 0.5 1.0 0.111
lab*nch 0.0 1.0 0.111

relative Natural Colour (NC)

lab*lrj 0.529 0.942 0.335
lab*tce 0.5 1.0 0.054
lab*nce 0.0 1.0 0.231

standard and adapted CIELAB

LAB*LAB 25.26 38.45 32.27
LAB*LABo 25.26 38.45 32.27
LAB*TCHo 25.01 50.2 40.0

relative CIELAB lab*

lab*lab 0.265 0.383 0.321
lab*tch 0.25 0.5 0.111
lab*nch 0.0 0.5 0.111

relative Natural Colour (NC)

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lab*tce 0.25 0.5 0.054
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standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0
LAB*LABo 0.03 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 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

$n^* = 1.0$

TLS00; adapted (a) CIELAB data

$L^* = L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

OMa 50.5 76.92 64.55 100.42 40

YMa 92.66 -20.69 90.75 93.08 103

LMa 83.63 -82.75 79.9 115.04 136

CMa 86.88 -46.16 -13.55 48.12 196

VMa 30.39 76.06 -103.59 128.52 306

MMa 57.3 94.35 -58.41 110.97 328

NMa 0.01 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

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$n^* = 0.00$

blackness n^*

chromaticness c^*

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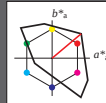
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