

Eingabe: Farbmatisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 22/360 = 0.061$
 lab^*ch und lab^*nch



D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

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 99.39 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.5 0.5 (1.0)
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*nce 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 82.56 0.0 0.0
LAB*LABo 82.56 0.0 0.0
LAB*TCHo 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*nce 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 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABo 69.7 0.0 0.0
LAB*TCHo 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0
lab*nce 0.0 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 85.92 13.13 5.28
LAB*LABo 85.92 13.13 5.28
LAB*TCHo 75.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.631 0.464 0.187
lab*ch 0.75 0.5 0.061
lab*nch 0.0 0.5 0.061
relative Natural Colour (NC)
lab*lrj 0.631 0.499 -0.024
lab*nce 0.75 0.5 0.992
lab*nce 0.0 0.5 0.992

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 73.07 13.13 5.28
LAB*LABo 73.07 13.13 5.28
LAB*TCHo 25.01 14.16 21.92

relative CIELAB lab*
lab*lab 0.131 0.464 0.187
lab*ch 0.25 0.5 0.061
lab*nch 0.5 1.0 0.061
relative Natural Colour (NC)
lab*lrj 0.131 0.499 -0.024
lab*nce 0.25 0.5 0.992
lab*nce 0.5 0.5 0.992

TLS70; adaptierte CIELAB-Daten				
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa 76.43	26.27	10.57	28.32	22
YMa 93.93	-10.76	34.63	36.27	107
LMa 89.32	-35.8	27.64	45.24	142
CMa 90.93	-21.95	-7.07	23.07	198
VMa 72.1	15.76	-35.63	38.97	294
MMa 78.5	37.52	-25.23	45.22	326
NMa 69.7	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
GCIIE 82.23	-42.41	13.6	44.55	162
BCIE 30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.43 26.26 10.57
LAB*LABo 76.43 26.26 10.57
LAB*TCHo 50.0 28.31 21.92

relative CIELAB lab*
lab*lab 0.262 0.928 0.373
lab*ch 0.262 0.999 -0.048
lab*nch 0.0 1.0 0.061
relative Natural Colour (NC)
lab*lrj 0.262 0.999 -0.048
lab*nce 0.5 1.0 0.992
lab*nce 0.0 1.0 0.992

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)
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relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0
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$n^* = 0.0$

relative Buntheit c^*

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 22/360 = 0.061$
 lab^*ch und lab^*nch



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relative Natural Colour (NC)
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lab*nce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 0.0$

relative Buntheit c^*

OG190-7, 3 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

3 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

BAM-Prüfvorlage OG19; Farbmatrik-Systeme TLS70 & TLS70 input: $cmv0^* / 1000n^* setcmvkcrcolor$

D65: 2 Koordinatendaten von 3stufigen Farbreihen für 10 Bunttöne output: $cmv0^* / 1000n^* setcmvkcrcolor$