

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 40/360 = 0.111$

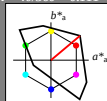
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u_{rel} = 158$

%Regulartät

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

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

TL500; adaptierte CIELAB-Daten

$L^* = L^*_a$	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
MMa57.3	94.35	-58.41	110.97	328
NMa 0.01	0.0	0.0	0.0	0
WMa95.41	0.0	0.0	0.0	0
RCIE39.92	58.74	27.99	65.07	25
JCIE 81.26	-2.88	71.56	71.62	92
GCIE52.23	-42.41	13.6	44.55	162
BCIE30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

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

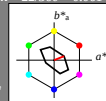
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u_{rel} = 16$

%Regulartät

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

TL570; adaptierte CIELAB-Daten

$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 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
MMa78.5	37.52	-25.23	45.22	326
NMa 69.7	0.0	0.0	0.0	0
WMa95.41	0.0	0.0	0.0	0
RCIE39.92	58.74	27.99	65.07	25
JCIE 81.26	-2.88	71.56	71.62	92
GCIE52.23	-42.41	13.6	44.55	162
BCIE30.57	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
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*Lab = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh = 99.99 \ 0.0 \ 0.0$
relative CIELAB lab*
 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*tch = 1.0 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ 0.0$

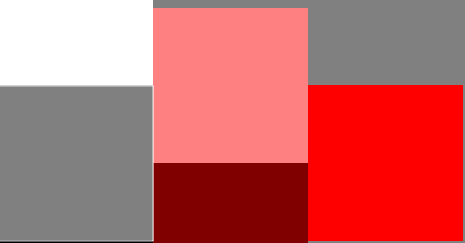
relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB = 85.92 \ 13.13 \ 5.28$
 $LAB^*Lab = 85.92 \ 13.13 \ 5.28$
 $LAB^*TCh = 75.0 \ 14.16 \ 21.92$
relative CIELAB lab*
 $lab^*lab = 0.631 \ 0.464 \ 0.187$
 $lab^*tch = 0.75 \ 0.5 \ 0.061$
 $lab^*nch = 0.0 \ 0.5 \ 0.061$
relative Natural Colour (NC)
 $lab^*trj = 0.631 \ 0.499 \ -0.024$
 $lab^*tce = 0.75 \ 0.5 \ 0.992$
 $lab^*nce = 0.0 \ 0.5 \ 0.992$

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 1.0 \ 0.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 1.0 \ 0.0 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB = 76.43 \ 26.26 \ 10.57$
 $LAB^*Lab = 76.43 \ 26.26 \ 10.57$
 $LAB^*TCh = 50.0 \ 28.31 \ 21.92$
relative CIELAB lab*
 $lab^*lab = 0.262 \ 0.928 \ 0.373$
 $lab^*tch = 0.5 \ 1.0 \ 0.061$
 $lab^*nch = 0.0 \ 1.0 \ 0.061$
relative Natural Colour (NC)
 $lab^*trj = 0.262 \ 0.999 \ -0.048$
 $lab^*tce = 0.5 \ 1.0 \ 0.992$
 $lab^*nce = 0.0 \ 1.0 \ 0.992$

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
 $LAB^*LAB = 82.56 \ 0.0 \ 0.0$
 $LAB^*Lab = 82.56 \ 0.0 \ 0.0$
 $LAB^*TCh = 50.0 \ 0.0 \ 0.0$
relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ 0.0$
 $lab^*nch = 0.5 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ 0.0$
 $lab^*nce = 0.5 \ 0.0 \ 0.0$

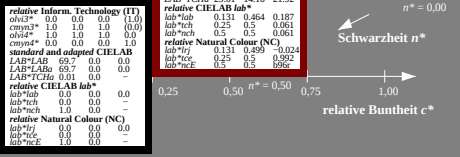
relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB = 73.07 \ 13.13 \ 5.28$
 $LAB^*Lab = 73.07 \ 13.13 \ 5.28$
 $LAB^*TCh = 25.01 \ 14.16 \ 21.92$
relative CIELAB lab*
 $lab^*lab = 0.131 \ 0.464 \ 0.187$
 $lab^*tch = 0.25 \ 0.5 \ 0.061$
 $lab^*nch = 0.0 \ 0.5 \ 0.061$
relative Natural Colour (NC)
 $lab^*trj = 0.131 \ 0.499 \ -0.024$
 $lab^*tce = 0.25 \ 0.5 \ 0.992$
 $lab^*nce = 0.0 \ 0.5 \ 0.992$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB = 73.07 \ 13.13 \ 5.28$
 $LAB^*Lab = 73.07 \ 13.13 \ 5.28$
 $LAB^*TCh = 25.01 \ 14.16 \ 21.92$
relative CIELAB lab*
 $lab^*lab = 0.131 \ 0.464 \ 0.187$
 $lab^*tch = 0.25 \ 0.5 \ 0.061$
 $lab^*nch = 0.0 \ 0.5 \ 0.061$
relative Natural Colour (NC)
 $lab^*trj = 0.131 \ 0.499 \ -0.024$
 $lab^*tce = 0.25 \ 0.5 \ 0.992$
 $lab^*nce = 0.0 \ 0.5 \ 0.992$



Schwarzheit n^*

relative Buntheit c^*



Schwarzheit n^*

relative Buntheit c^*

NG030-7, 3 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

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

BAM-Prüfvorlage NG03; Farbmetrik-Systeme TL500 & TL570 input: $olv^*setrgbcolor$
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input