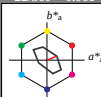


Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

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

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

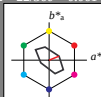
TLS70; adaptierte CIELAB-Daten					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa 76.43	26.27	10.57	28.32	22	
YMa 93.93	-10.76	34.63	36.27	107	
LMa 89.32	-35.8	27.64	45.24	142	
CMa 90.93	-21.95	-7.07	23.07	198	
VMa 72.1	15.76	-35.63	38.97	294	
MMa 78.5	37.52	-25.23	45.22	326	
NMa 69.7	0.0	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	
GCIE 52.23	-42.41	13.6	44.55	162	
BCIE 30.57	1.41	-46.46	46.49	272	

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

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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*TChe 99.99 0.0 -

relative CIELAB lab*
 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*ch = 1.0 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*lrj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.5)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.5)$
 standard and adapted CIELAB
 LAB*LAB 82.56 0.0 0.0
 LAB*Lab 82.56 0.0 0.0
 LAB*TChe 50.0 0.0 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)
 $lab^*lrj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

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 69.7 0.0 0.0
 LAB*Lab 69.7 0.0 0.0
 LAB*TChe 0.01 0.0 0.0

relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*ch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*lrj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

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*TChe 75.0 14.16 21.92

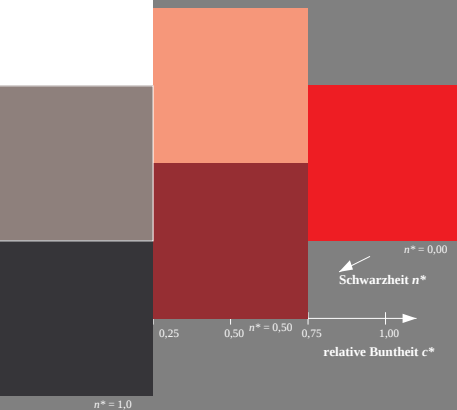
relative CIELAB lab*
 $lab^*lab = 0.631 \ 0.464 \ 0.187$
 $lab^*ch = 0.75 \ 0.5 \ 0.061$
 $lab^*nch = 0.0 \ 0.5 \ 0.061$
 relative Natural Colour (NC)
 $lab^*lrj = 0.631 \ 0.499 \ -0.024$
 $lab^*tce = 0.75 \ 0.5 \ 0.992$
 $lab^*nce = 0.0 \ 0.5 \ 0.999$

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 73.07 13.13 5.28
 LAB*Lab 73.07 13.13 5.28
 LAB*TChe 25.01 14.16 21.92

relative CIELAB lab*
 $lab^*lab = 0.131 \ 0.464 \ 0.187$
 $lab^*ch = 0.25 \ 0.5 \ 0.061$
 $lab^*nch = 0.0 \ 0.5 \ 0.061$
 relative Natural Colour (NC)
 $lab^*lrj = 0.131 \ 0.499 \ -0.024$
 $lab^*tce = 0.25 \ 0.5 \ 0.992$
 $lab^*nce = 0.0 \ 0.5 \ 0.999$

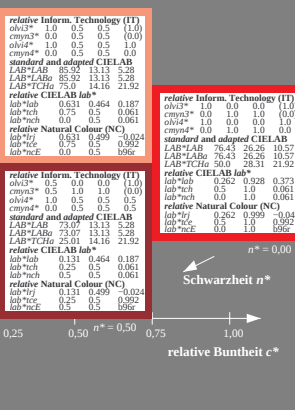
relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 0.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 1.0 \ 1.0 \ (0.0)$
 standard and adapted CIELAB
 LAB*LAB 76.43 26.26 10.57
 LAB*Lab 76.43 26.26 10.57
 LAB*TChe 50.0 28.31 21.92

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



Schwarzheit n^*

relative Buntheit c^*



Schwarzheit n^*

relative Buntheit c^*

BAM-Prüfvorlage OG09; Farbmetrik-Systeme TLS70 & TLS70 input: $cmv0^* setcmvcolor$
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input