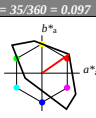


Eingabe: Farbmatisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 35/360 = 0.097$
 lab^*ch und lab^*nch

D65: Buntton 0
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^*



%Umfang
 $u^*_{rel} = 118$
%Regulärität
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

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 0.0 (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 (1.0)
lab*nce 1.0 0.0 0.0 (1.0)
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 (1.0)
lab*ch 0.5 0.0 - -
lab*nch 0.5 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0 (1.0)
lab*nce 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* 0.5 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
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 (1.0)
lab*ch 1.0 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 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 (1.0)
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*ch 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*nce 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
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*ch 0.225 0.5 0.097
lab*nch 0.5 0.5 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*nce 0.25 0.5 0.035
lab*nce 0.5 0.5 0.141

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 1.0 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - -
lab*nce 1.0 0.0 - -

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.76 71.62 49.87
LAB*LABo 52.76 71.62 49.87
LAB*TCHo 50.0 97.27 34.85
relative CIELAB lab*

lab*lab 0.449 0.82 0.571
lab*ch 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*nce 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 18.02 0.5 -0.47
LAB*LABo 18.02 0.5 -0.48
LAB*TCHo 0.01 0.01
relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.5 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - -
lab*nce 1.0 0.0 - -

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 1.0 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - -
lab*nce 1.0 0.0 - -

$n^* = 1.0$

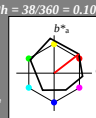
relative Buntheit c^*

Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$
 lab^*ch und lab^*nch

D65: Buntton 0
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^*



%Umfang
 $u^*_{rel} = 93$
%Regulärität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

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 -0.98 4.75
LAB*LABo 95.41 0.0 0.0
LAB*TCHo 99.99 0.01
relative CIELAB lab*

lab*lab 1.0 0.0 0.0 (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 (1.0)
lab*nce 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 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABo 56.71 0.0 0.0
LAB*TCHo 50.0 0.01
relative CIELAB lab*

lab*lab 0.5 0.0 0.0 (1.0)
lab*ch 0.5 0.0 - -
lab*nch 0.5 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0 (1.0)
lab*nce 0.5 0.0 - -
lab*nce 0.5 0.0 - -

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 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABo 18.02 0.5 -0.48
LAB*TCHo 0.01 0.01
relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.5 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - -
lab*nce 1.0 0.0 - -

$n^* = 1.0$

relative Buntheit c^*

ORS18; adaptierte CIELAB-Daten

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

Om	47.94	65.39	50.52	82.63	38
Ym	90.37	-10.26	91.75	92.32	96
Lm	50.9	-62.83	34.96	71.91	151
Cm	58.62	-30.34	-45.01	54.3	236
Vm	25.72	31.1	-44.44	54.22	305
Mm	48.13	75.28	-8.36	75.74	354
Nm	18.01	0.0	0.0	0.0	0
Wm	95.41	0.0	0.0	0.0	0
Rc	99.92	58.66	26.98	64.57	25
Jc	81.26	-2.16	67.76	67.79	92
Gc	82.23	-42.25	11.76	43.87	164
Bc	30.57	1.15	-46.84	46.86	271

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 71.67 32.15 28.41
LAB*LABo 71.67 32.15 28.41
LAB*TCHo 75.0 41.31 37.69
relative CIELAB lab*

lab*lab 0.693 0.396 0.306
lab*ch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*lrj 0.693 0.477 0.15
lab*nce 0.75 0.5 0.048
lab*nce 0.0 0.5 0.191

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 32.98 32.9 25.8
LAB*LABo 32.98 32.9 25.8
LAB*TCHo 25.01 41.31 37.69
relative CIELAB lab*

lab*lab 0.193 0.396 0.306
lab*ch 0.25 0.5 0.105
lab*nch 0.5 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.193 0.477 0.15
lab*nce 0.25 0.5 0.048
lab*nce 0.5 1.0 0.191

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 1.0 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - -
lab*nce 1.0 0.0 - -

$n^* = 0.50$

relative Buntheit c^*

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.0 (1.0)
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 47.94 65.3 52.06
LAB*LABo 47.94 65.37 50.51
LAB*TCHo 50.0 82.61 37.69
relative CIELAB lab*

lab*lab 0.387 0.791 0.611
lab*ch 0.387 0.954 0.299
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.387 0.954 0.299
lab*nce 0.5 1.0 0.048
lab*nce 0.0 1.0 0.191

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 18.02 0.5 -0.47
LAB*LABo 18.02 0.5 -0.48
LAB*TCHo 0.01 0.01
relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 1.0 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - -
lab*nce 1.0 0.0 - -

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 1.0 0.0 - -
lab*nch 1.0 0.0 - -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - -
lab*nce 1.0 0.0 - -

$n^* = 0.00$

relative Buntheit c^*