

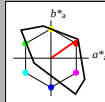
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton O

LCH*Ma: 53 87 35

olw*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^* 

%Umfang

 $u^*_{rel} = 118$

%Regelartit

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
O _{Ma} 52.76	71.63	49.88	87.29	35
Y _{Ma} 92.74	-20.02	84.97	87.3	103
L _{Ma} 84.0	-78.98	73.94	108.2	137
C _{Ma} 87.14	-44.41	-13.11	46.32	196
V _{Ma} 35.47	64.92	-95.06	115.12	304
M _{Ma} 59.01	89.33	-55.67	105.26	328
N _{Ma} 18.01	0.0	0.0	0.0	0
W _{Ma} 95.41	0.0	0.0	0.0	0
R _{CIE} 39.92	58.74	27.99	65.07	25
J _{CIE} 81.26	-2.88	71.56	71.62	92
G _{CIE} 52.23	-42.41	13.6	44.55	162
B _{CIE} 30.57	1.41	-46.46	46.49	272

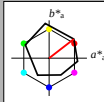
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton O

LCH*Ma: 48 83 38

olw*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^* 

%Umfang

 $u^*_{rel} = 93$

%Regelartit

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

ORS18; adaptierte CIELAB-Daten

L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
O _{Ma} 47.94	65.39	50.52	82.63	38
Y _{Ma} 90.37	-10.26	91.75	92.32	96
L _{Ma} 50.9	-62.03	34.96	71.91	151
C _{Ma} 58.62	-30.34	-45.01	54.3	236
V _{Ma} 25.72	31.1	-44.4	54.22	305
M _{Ma} 48.13	75.28	-8.36	75.74	354
N _{Ma} 18.01	0.0	0.0	0.0	0
W _{Ma} 95.41	0.0	0.0	0.0	0
R _{CIE} 39.92	58.66	26.98	64.57	25
J _{CIE} 81.26	-2.16	67.76	67.79	92
G _{CIE} 52.23	-42.25	11.76	43.87	164
B _{CIE} 30.57	1.15	-46.84	46.86	271

relative Inform. Technology (IT)

olw3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olw4* 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*Lab 95.41 0.0 0.0

LAB*TChe 99.99 0.01 -

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*lce 1.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olw3* 1.0 0.5 0.5 (1.0)

cmyn3* 0.0 0.5 0.5 (0.0)

olw4* 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*Lab 71.67 32.15 28.41

LAB*TChe 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*lce 0.75 0.5 0.048

lab*nce 0.0 0.5 [19]

relative Inform. Technology (IT)

olw3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.0 0.5 0.5 (0.0)

olw4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 -0.24 2.14

LAB*Lab 56.71 0.0 0.0

LAB*TChe 50.0 0.01 -

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*lce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olw3* 0.5 0.0 0.0 (1.0)

cmyn3* 0.5 1.0 1.0 (0.0)

olw4* 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*Lab 32.98 32.69 25.25

LAB*TChe 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 0.0 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15

lab*lce 0.25 0.5 0.048

lab*nce 0.0 0.5 [19]

relative Inform. Technology (IT)

olw3* 0.0 1.0 1.0 (0.0)

cmyn3* 0.0 1.0 1.0 (0.0)

olw4* 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*Lab 47.94 65.37 50.51

LAB*TChe 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*lce 0.5 1.0 0.048

lab*nce 0.0 1.0 [19]

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

NG06-7, 3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

BAM-Prüfvorlage NG06; Farbmetrik-Systeme TLS18 & ORS18 input: $olw^*setrgbcolor$ D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: $olw^*setrgbcolor / w^*setgray$