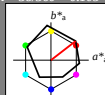


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

%Regulartät

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

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

ORS18; adaptierte CIELAB-Daten

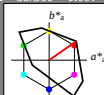
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 47.94	65.39	50.52	82.63	38
YMa 90.37	-10.26	91.75	92.32	96
LMa 50.9	-62.83	34.96	71.91	151
CMa 58.62	-30.34	-45.01	54.3	236
VMa 25.72	31.1	-44.4	54.22	305
MMa 48.13	75.28	-8.36	75.74	354
NMa 18.01	0.0	0.0	0.0	0
WMa 95.41	0.0	0.0	0.0	0
RCIE 39.92	58.66	26.98	64.57	25
JCIE 81.26	-2.16	67.76	67.79	92
GCIE 52.23	-42.25	11.76	43.87	164
BCIE 30.57	1.15	-46.84	46.86	271

Ausgabe: 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
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

%Regulartät

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

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

TLS18; adaptierte CIELAB-Daten

$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 52.76	71.63	49.88	87.29	35
YMa 92.74	-20.02	84.97	87.3	103
LMa 84.0	-78.98	73.94	108.2	137
CMa 87.14	-44.41	-13.11	46.32	196
VMa 35.47	64.92	-95.06	115.12	304
MMa 59.01	89.33	-55.67	105.26	328
NMa 18.01	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

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*LABa 95.41 0.0 0.0
 LAB*TCHe 99.99 0.01 -

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

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 56.72 0.0 0.0
 LAB*LABa 56.72 0.0 0.0
 LAB*TCHe 50.0 0.01 -

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ -$
 $lab^*nch = 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.097)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 standard and adapted CIELAB
 LAB*LAB 35.39 35.81 24.94
 LAB*LABa 35.39 35.81 24.94
 LAB*TCHe 25.01 43.63 34.85

relative CIELAB lab*
 $lab^*lab = 0.225 \ 0.41 \ 0.286$
 $lab^*tch = 0.25 \ 0.5 \ 0.097$
 $lab^*nch = 0.5 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.225 \ 0.488 \ 0.109$
 $lab^*tce = 0.25 \ 0.5 \ 0.035$
 $lab^*nce = 0.5 \ 0.5 \ 0.141$

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*LABa 74.08 35.81 24.94
 LAB*TCHe 75.0 43.63 34.85

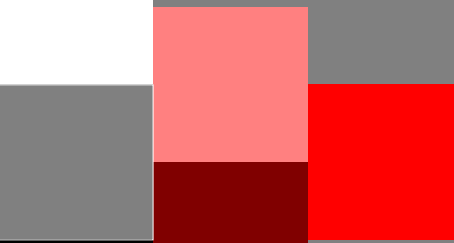
relative CIELAB lab*
 $lab^*lab = 0.724 \ 0.41 \ 0.286$
 $lab^*tch = 0.75 \ 0.5 \ 0.097$
 $lab^*nch = 0.5 \ 0.5 \ 0.097$
 $lab^*trj = 0.724 \ 0.488 \ 0.109$
 $lab^*tce = 0.75 \ 0.5 \ 0.035$
 $lab^*nce = 0.0 \ 0.5 \ 0.141$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ (0.5)$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ (0.5)$
 standard and adapted CIELAB
 LAB*LAB 35.39 35.81 24.94
 LAB*LABa 35.39 35.81 24.94
 LAB*TCHe 25.01 43.63 34.85

relative CIELAB lab*
 $lab^*lab = 0.225 \ 0.41 \ 0.286$
 $lab^*tch = 0.25 \ 0.5 \ 0.097$
 $lab^*nch = 0.5 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.225 \ 0.488 \ 0.109$
 $lab^*tce = 0.25 \ 0.5 \ 0.035$
 $lab^*nce = 0.5 \ 0.5 \ 0.141$

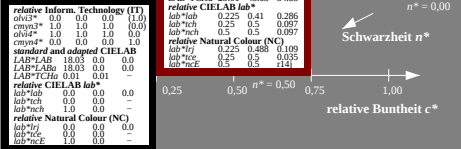
relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 1.0 \ 1.0 \ (0.0)$
 standard and adapted CIELAB
 LAB*LAB 52.76 71.62 49.87
 LAB*LABa 52.76 71.62 49.87
 LAB*TCHe 50.0 87.27 34.85

relative CIELAB lab*
 $lab^*lab = 0.449 \ 0.82 \ 0.571$
 $lab^*tch = 0.449 \ 0.976 \ 0.218$
 $lab^*nch = 0.5 \ 1.0 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 1.0 \ 0.035$
 $lab^*tce = 0.0 \ 1.0 \ 0.141$



Schwarzheit n^*

relative Buntheit c^*



Schwarzheit n^*

relative Buntheit c^*

NG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

BAM-Prüfvorlage NG01; Farbmetrik-Systeme ORS18 & TLS18 input: $olv^*setrgbcolor$

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: $olv^*setrgbcolor / w^*setgray$