

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

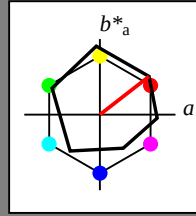
lab^*ch und lab^*nch

D50: Buntton O

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



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 95.46 -0.39 4.69
LAB*LABa 95.46 0.0 0.0
LAB*LABb 95.46 0.0 0.0
LAB*LABc 95.46 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.58 16.02 16.54
LAB*LABa 83.58 16.26 12.19
LAB*LABb 83.58 16.26 12.19
LAB*LABc 83.58 16.26 12.19

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 71.7 32.45 28.38
LAB*LABa 71.7 32.52 25.26
LAB*LABb 71.7 32.52 25.26
LAB*LABc 71.7 32.52 25.26

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 59.82 48.88 40.22
LAB*LABa 59.82 48.78 37.9
LAB*LABb 59.82 48.78 37.9
LAB*LABc 59.82 48.78 37.9

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 65.05 50.54
LAB*LABa 47.94 65.05 50.54
LAB*LABb 47.94 65.05 50.54
LAB*LABc 47.94 65.05 50.54

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 38/360 = 0.107$

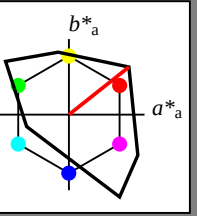
lab^*ch und lab^*nch

D50: Buntton O

LCH*Ma: 54 101 38

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



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*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.1 19.83 15.74
LAB*LABa 85.1 19.83 15.74
LAB*LABb 85.1 19.83 15.74
LAB*LABc 85.1 19.83 15.74

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 74.79 39.67 31.49
LAB*LABa 74.79 39.67 31.49
LAB*LABb 74.79 39.67 31.49
LAB*LABc 74.79 39.67 31.49

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 61.26 19.84 15.75
LAB*LABa 61.26 19.84 15.75
LAB*LABb 61.26 19.84 15.75
LAB*LABc 61.26 19.84 15.75

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 65.05 50.54
LAB*LABa 47.94 65.05 50.54
LAB*LABb 47.94 65.05 50.54
LAB*LABc 47.94 65.05 50.54

PG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.107 (rechts)

BAM-Prüfvorlage PG50; Farbmetrik-Systeme ORS18 & TLS00 input: olv* setrgbcolor

D50: 2 Koordinatendaten; 50stufige Farbreihen für 10 Buntton output: no change compared to input

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 93/360 = 0.258$

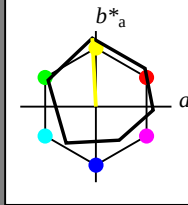
lab^*ch und lab^*nch

D50: Buntton Y

LCH*Ma: 91 91 93

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 94$

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 95.46 -0.39 4.69
LAB*LABa 95.46 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 76.12 -0.12 3.4
LAB*LABa 76.12 0.0 0.0
LAB*TCHa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
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 56.78 0.13 2.11
LAB*LABa 56.78 0.0 0.0
LAB*TCHa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.37 0.82
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.37 0.82
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.37 0.82
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.37 0.82
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.37 0.82
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.37 0.82
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.37 0.82
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 -

ORS18; adaptierte CIELAB-Daten

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

O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

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 93.22 -2.72 49.83
LAB*LABa 93.22 -2.72 49.83
LAB*TCHa 87.5 22.67 92.99

relative CIELAB lab*
lab*lab 0.971 -0.025 0.499
lab*ch 0.75 0.5 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.971 -0.046 0.498
lab*trc 0.75 0.5 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 73.89 -2.46 48.55
LAB*LABa 73.89 -2.46 48.55
LAB*TCHa 50.0 45.35 92.99

relative CIELAB lab*
lab*lab 0.7389 -0.025 0.499
lab*ch 0.75 0.5 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.7389 -0.046 0.498
lab*trc 0.75 0.5 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
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 56.78 -2.19 47.25
LAB*LABa 56.78 -2.19 47.25
LAB*TCHa 37.5 22.68 92.99

relative CIELAB lab*
lab*lab 0.5678 -0.025 0.499
lab*ch 0.5 0.5 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.5678 -0.046 0.498
lab*trc 0.5 0.5 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -2.19 47.25
LAB*LABa 37.44 -2.19 47.25
LAB*TCHa 25.0 45.35 92.99

relative CIELAB lab*
lab*lab 0.3744 -0.025 0.499
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.3744 -0.046 0.498
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -2.19 47.25
LAB*LABa 37.44 -2.19 47.25
LAB*TCHa 25.0 45.35 92.99

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -2.19 47.25
LAB*LABa 37.44 -2.19 47.25
LAB*TCHa 25.0 45.35 92.99

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -2.19 47.25
LAB*LABa 37.44 -2.19 47.25
LAB*TCHa 25.0 45.35 92.99

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -2.19 47.25
LAB*LABa 37.44 -2.19 47.25
LAB*TCHa 25.0 45.35 92.99

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -2.19 47.25
LAB*LABa 37.44 -2.19 47.25
LAB*TCHa 25.0 45.35 92.99

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.258
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.258

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 100/360 = 0.277$

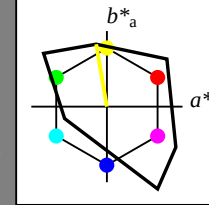
lab^*ch und lab^*nch

D50: Buntton Y

LCH*Ma: 93 84 100

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 156$

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*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.7157 -0.041 0.246
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.25 0.277
relative Natural Colour (NC)
lab*trj 0.7157 -0.056 0.243
lab*trc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.25 0.277

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
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 56.78 0.0 0.0
LAB*LABa 56.78 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5678 -0.084 0.493
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.277
relative Natural Colour (NC)
lab*trj 0.5678 -0.114 0.487
lab*trc 0.5 0.5 0.5 (0.0)
lab*ncc 0.0 0.5 0.277

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 0.0 0.0
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.3744 -0.126 0.739
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.277
relative Natural Colour (NC)
lab*trj 0.3744 -0.144 0.739
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.277

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 0.0 0.0
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.277
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.277

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 0.0 0.0
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.277
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.277

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 0.0 0.0
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.258
lab*nch 0.0 0.5 0.277
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.258
lab*trc 0.25 0.25 0.258
lab*ncc 0.0 0.5 0.277

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 0.0 0.0
LAB*LABa 37.44 0.0 0.0
LAB*TCHa 25.0 0.01 -

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

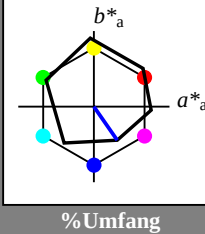
lab^*ch und lab^*nch

D50: Buntton V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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 95.46 -0.39 4.69
LAB*LABa 95.46 0.0 0.0
LAB*LABb 95.46 0.0 0.0
LAB*LABc 95.46 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*lce 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 76.12 -0.12 3.4
LAB*LABa 76.12 0.0 0.0
LAB*LABb 76.12 0.0 0.0
LAB*LABc 76.12 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*lce 0.75 0.0 0.0
lab*ncc 0.0 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 56.78 0.13 2.11
LAB*LABa 56.78 0.0 0.0
LAB*LABb 56.78 0.0 0.0
LAB*LABc 56.78 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*lce 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 37.16 0.32 0.82
LAB*LABa 37.16 0.0 0.0
LAB*LABb 37.16 0.0 0.0
LAB*LABc 37.16 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*lce 0.25 0.0 0.0
lab*ncc 0.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.67 1.46
LAB*LABa 18.1 0.0 0.0
LAB*LABb 18.1 0.0 0.0
LAB*LABc 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
RC _{IE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

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 60.59 15.52 -19.82
LAB*LABa 60.59 15.52 -19.82
LAB*LABb 60.59 15.52 -19.82
LAB*LABc 60.59 15.52 -19.82

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*lce 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 41.25 15.79 -21.11
LAB*LABa 41.25 15.79 -21.11
LAB*LABb 41.25 15.79 -21.11
LAB*LABc 41.25 15.79 -21.11

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*lce 0.25 0.0 0.0
lab*ncc 0.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.82 23.16 -35.29
LAB*LABa 23.82 23.16 -35.29
LAB*LABb 23.82 23.16 -35.29
LAB*LABc 23.82 23.16 -35.29

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 302/360 = 0.838$

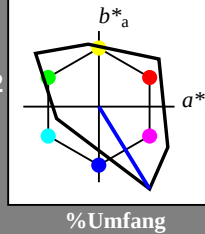
lab^*ch und lab^*nch

D50: Buntton V

LCH*Ma: 26 128 302

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*lce 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 71.57 0.0 0.0
LAB*LABc 71.57 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*lce 0.75 0.0 0.0
lab*ncc 0.0 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 54.11 16.76 -27.21
LAB*LABa 54.11 16.76 -27.21
LAB*LABb 54.11 16.76 -27.21
LAB*LABc 54.11 16.76 -27.21

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*lce 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 30.26 16.76 -27.21
LAB*LABa 30.26 16.76 -27.21
LAB*LABb 30.26 16.76 -27.21
LAB*LABc 30.26 16.76 -27.21

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*lce 0.25 0.0 0.0
lab*ncc 0.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.82 33.52 -54.42
LAB*LABa 12.82 33.52 -54.42
LAB*LABb 12.82 33.52 -54.42
LAB*LABc 12.82 33.52 -54.42

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

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 60.51 33.52 -54.42
LAB*LABa 60.51 33.52 -54.42
LAB*LABb 60.51 33.52 -54.42
LAB*LABc 60.51 33.52 -54.42

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*lce 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 43.06 50.28 -81.64
LAB*LABa 43.06 50.28 -81.64
LAB*LABb 43.06 50.28 -81.64
LAB*LABc 43.06 50.28 -81.64

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*lce 0.25 0.0 0.0
lab*ncc 0.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 19.22 50.28 -81.64
LAB*LABa 19.22 50.28 -81.64
LAB*LABb 19.22 50.28 -81.64
LAB*LABc 19.22 50.28 -81.64

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

BAM-Prüfvorlage PG50; Farbmetrik-Systeme ORS18 & TLS00 input: olv* setrgbcolor

D50: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 26/360 = 0.074$

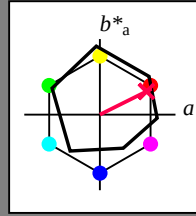
lab^*ch und lab^*nch

D50: Buntton R

LCH*Ma: 49 76 26

olv*Ma: 1.0 0.0 0.3

Dreiecks-Helligkeit t^*



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 95.46 -39.49 4.69
LAB*LABa 95.46 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 76.12 -12.12 3.4
LAB*LABa 76.12 0.0 0.0
LAB*TCHa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.848 0.224 0.111
lab*ch 0.875 0.25 0.073
lab*nch 0.0 0.25 0.073
relative Natural Colour (NC)
lab*lrj 0.848 0.25 0.0
lab*nce 0.875 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 64.39 17.1 11.12
LAB*LABa 64.39 17.1 11.12
LAB*TCHa 62.5 19.06 26.46

relative CIELAB lab*
lab*lab 0.697 0.448 0.223
lab*ch 0.75 0.5 0.074
lab*nch 0.0 0.5 0.074
relative Natural Colour (NC)
lab*lrj 0.697 0.5 0.0
lab*nce 0.75 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 56.78 0.0 2.11
LAB*LABa 56.78 0.0 2.11
LAB*TCHa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.598 0.224 0.111
lab*ch 0.625 0.25 0.074
lab*nch 0.25 0.25 0.074
relative Natural Colour (NC)
lab*lrj 0.598 0.25 0.0
lab*nce 0.625 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 45.05 17.06 9.83
LAB*LABa 45.05 17.06 9.83
LAB*TCHa 37.5 19.06 26.46

relative CIELAB lab*
lab*lab 0.447 0.5 0.0
lab*ch 0.447 0.5 0.0
lab*nch 0.447 0.5 0.0
relative Natural Colour (NC)
lab*lrj 0.447 0.5 0.0
lab*nce 0.447 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 37.5 19.06 26.46
LAB*LABa 37.5 19.06 26.46
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.348 0.224 0.111
lab*ch 0.375 0.25 0.074
lab*nch 0.25 0.25 0.074
relative Natural Colour (NC)
lab*lrj 0.348 0.25 0.0
lab*nce 0.375 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 25.0 0.0 0.0
LAB*LABa 25.0 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 18.1 0.0 0.0
LAB*LABa 18.1 0.0 0.0
LAB*TCHa 18.1 0.01 -

relative CIELAB lab*
lab*lab 0.098 0.224 0.111
lab*ch 0.125 0.25 0.074
lab*nch 0.25 0.25 0.074
relative Natural Colour (NC)
lab*lrj 0.098 0.25 0.0
lab*nce 0.125 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 11.1 0.0 0.0
LAB*LABa 11.1 0.0 0.0
LAB*TCHa 11.1 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 5.0 0.0 0.0
LAB*LABa 5.0 0.0 0.0
LAB*TCHa 5.0 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 2.5 0.0 0.0
LAB*LABa 2.5 0.0 0.0
LAB*TCHa 2.5 0.01 -

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

ORS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
RC _{IE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

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 72.0 34.13 16.99
LAB*LABa 72.0 34.13 16.99
LAB*TCHa 75.0 38.12 26.46

relative CIELAB lab*
lab*lab 0.697 0.448 0.223
lab*ch 0.75 0.5 0.074
lab*nch 0.0 0.5 0.074
relative Natural Colour (NC)
lab*lrj 0.697 0.5 0.0
lab*nce 0.75 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 52.67 34.32 18.84
LAB*LABa 52.67 34.32 18.84
LAB*TCHa 50.0 38.12 26.46

relative CIELAB lab*
lab*lab 0.542 0.671 0.334
lab*ch 0.625 0.75 0.074
lab*nch 0.0 0.75 0.074
relative Natural Colour (NC)
lab*lrj 0.542 0.75 0.0
lab*nce 0.625 0.75 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 48.56 68.5 35.55
LAB*LABa 48.56 68.5 35.55
LAB*TCHa 50.0 76.24 26.47

relative CIELAB lab*
lab*lab 0.384 0.895 0.446
lab*ch 0.5 1.0 0.074
lab*nch 0.0 1.0 0.074
relative Natural Colour (NC)
lab*lrj 0.384 1.0 0.0
lab*nce 0.5 1.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 40.94 51.55 26.55
LAB*LABa 40.94 51.55 26.55
LAB*TCHa 37.51 57.19 26.47

relative CIELAB lab*
lab*lab 0.295 0.671 0.334
lab*ch 0.375 0.75 0.074
lab*nch 0.25 0.75 0.074
relative Natural Colour (NC)
lab*lrj 0.295 0.75 0.0
lab*nce 0.375 0.75 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 33.33 34.32 16.99
LAB*LABa 33.33 34.32 16.99
LAB*TCHa 25.01 38.12 26.47

relative CIELAB lab*
lab*lab 0.197 0.447 0.223
lab*ch 0.25 0.5 0.074
lab*nch 0.25 0.5 0.074
relative Natural Colour (NC)
lab*lrj 0.197 0.5 0.0
lab*nce 0.25 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 25.72 17.06 9.83
LAB*LABa 25.72 17.06 9.83
LAB*TCHa 12.5 19.06 26.48

relative CIELAB lab*
lab*lab 0.098 0.224 0.111
lab*ch 0.125 0.25 0.074
lab*nch 0.25 0.25 0.074
relative Natural Colour (NC)
lab*lrj 0.098 0.25 0.0
lab*nce 0.125 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LABa 18.1 0.0 0.0
LAB*TCHa 18.1 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 11.1 0.0 0.0
LAB*LABa 11.1 0.0 0.0
LAB*TCHa 11.1 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 5.0 0.0 0.0
LAB*LABa 5.0 0.0 0.0
LAB*TCHa 5.0 0.01 -

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 27/360 = 0.075$

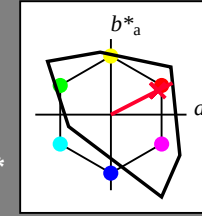
lab^*ch und lab^*nch

D50: Buntton R

LCH*Ma: 55 92 27

olv*Ma: 1.0 0.0 0.18

Dreiecks-Helligkeit t^*



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*TCHa 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.894 0.222 0.114
lab*ch 0.875 0.25 0.075
lab*nch 0.0 0.25 0.075
relative Natural Colour (NC)
lab*lrj 0.894 0.25 0.0
lab*nce 0.875 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 61.46 20.38 10.46
LAB*LABa 61.46 20.38 10.46
LAB*TCHa 62.5 22.9 27.17

relative CIELAB lab*
lab*lab 0.644 0.222 0.114
lab*ch 0.625 0.25 0.075
lab*nch 0.25 0.25 0.075
relative Natural Colour (NC)
lab*lrj 0.644 0.25 0.0
lab*nce 0.625 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 48.56 68.5 35.55
LAB*LABa 48.56 68.5 35.55
LAB*TCHa 50.0 76.24 26.47

relative CIELAB lab*
lab*lab 0.384 0.895 0.446
lab*ch 0.5 1.0 0.074
lab*nch 0.0 1.0 0.074
relative Natural Colour (NC)
lab*lrj 0.384 1.0 0.0
lab*nce 0.5 1.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 40.94 51.55 26.55
LAB*LABa 40.94 51.55 26.55
LAB*TCHa 37.51 57.19 26.47

relative CIELAB lab*
lab*lab 0.295 0.671 0.334
lab*ch 0.375 0.75 0.074
lab*nch 0.25 0.75 0.074
relative Natural Colour (NC)
lab*lrj 0.295 0.75 0.0
lab*nce 0.375 0.75 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 33.33 34.32 16.99
LAB*LABa 33.33 34.32 16.99
LAB*TCHa 25.01 38.12 26.47

relative CIELAB lab*
lab*lab 0.197 0.447 0.223
lab*ch 0.25 0.5 0.074
lab*nch 0.25 0.5 0.074
relative Natural Colour (NC)
lab*lrj 0.197 0.5 0.0
lab*nce 0.25 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 25.72 17.06 9.83
LAB*LABa 25.72 17.06 9.83
LAB*TCHa 12.5 19.06 26.48

relative CIELAB lab*
lab*lab 0.098 0.224 0.111
lab*ch 0.125 0.25 0.074
lab*nch 0.25 0.25 0.074
relative Natural Colour (NC)
lab*lrj 0.098 0.25 0.0
lab*nce 0.125 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5 0.65 (0.75)
cmyn4* 0.0 0.5 0.35 (0.25)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LABa 18.1 0.0 0.0
LAB*TCHa 18.1 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.4 (1.0)
cmyn3* 0.25 0.75 0.6 (0.0)
olv4* 1.0 0.5

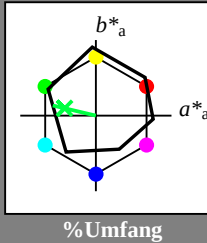
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 167/360 = 0.463$

lab^*ch und lab^*nch

D50: Buntton G
LCH*Ma: 52 59 167
olv*Ma: 0.0 1.0 0.26

Dreiecks-Helligkeit t^*



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 95.46 -39.49 4.69
LAB*LAB 95.46 0.0 0.0
LAB*LAB 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 1.0 0.0 0.0
lab*lc 1.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 76.12 -0.12 3.4
LAB*LAB 76.12 0.0 0.0
LAB*LAB 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.861 -0.242 0.057
lab*ch 0.875 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.861 -0.249 0.0
lab*lc 0.875 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 56.78 0.13 2.11
LAB*LAB 56.78 0.0 0.0
LAB*LAB 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.611 -0.249 0.0
lab*ch 0.625 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.611 -0.249 0.0
lab*lc 0.625 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 37.44 0.13 0.82
LAB*LAB 37.44 0.0 0.0
LAB*LAB 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.463
lab*nch 0.0 0.25 0.463
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

ORS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
RCIE	41.88	61.66	30.69	68.88	26
JCIE	81.97	2.02	67.79	67.82	88
GCIE	51.62	-41.32	9.74	42.46	167
BCIE	29.2	-5.79	-49.61	49.96	263

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.97 -28.49 9.98
LAB*LAB 73.97 -28.49 9.98
LAB*LAB 75.00 29.28 166.74

relative CIELAB lab*
lab*lab 0.722 -0.486 0.115
lab*ch 0.75 0.5 0.463
lab*nch 0.0 0.5 0.463
relative Natural Colour (NC)
lab*lr 0.722 -0.489 0.0
lab*lc 0.75 0.5 0.3
lab*ncc 0.0 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.38 (1.0)
cmyn3* 0.75 0.25 0.62 (0.0)
olv4* 0.5 1.0 0.63 (0.75)
cmyn4* 0.0 0.0 0.37 (0.25)
standard and adapted CIELAB
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 50.00 29.29 166.73

relative CIELAB lab*
lab*lab 0.444 -0.972 0.229
lab*ch 0.472 -0.486 0.115
lab*nch 0.0 0.5 0.463
relative Natural Colour (NC)
lab*lr 0.444 -0.999 0.0
lab*lc 0.472 -0.489 0.0
lab*ncc 0.0 0.5 0.463

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.25 (1.0)
cmyn3* 1.0 0.0 0.75 (0.0)
olv4* 0.25 1.0 0.444 (0.75)
cmyn4* 0.0 0.0 0.556 (0.25)
standard and adapted CIELAB
LAB*LAB 43.89 -42.43 11.35
LAB*LAB 43.89 -42.43 11.35
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.333 -0.729 0.172
lab*ch 0.375 0.5 0.463
lab*nch 0.0 0.5 0.463
relative Natural Colour (NC)
lab*lr 0.333 -0.749 0.0
lab*lc 0.375 0.5 0.3
lab*ncc 0.0 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.13 (1.0)
cmyn3* 1.0 0.5 0.87 (0.0)
olv4* 0.5 1.0 0.63 (0.5)
cmyn4* 0.0 0.0 0.37 (0.25)
standard and adapted CIELAB
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.222 -0.486 0.115
lab*ch 0.25 0.5 0.463
lab*nch 0.0 0.5 0.463
relative Natural Colour (NC)
lab*lr 0.222 -0.489 0.0
lab*lc 0.25 0.5 0.3
lab*ncc 0.0 0.5 0.3

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lr 0.0 0.0 0.0
lab*lc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

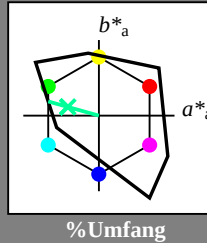
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 164/360 = 0.457$

lab^*ch und lab^*nch

D50: Buntton G
LCH*Ma: 84 70 164
olv*Ma: 0.0 1.0 0.6

Dreiecks-Helligkeit t^*



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*LAB 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 1.0 0.0 0.0
lab*lc 1.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*LAB 71.57 0.0 0.0
LAB*LAB 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.721 -0.24 0.067
lab*ch 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.721 -0.249 0.0
lab*lc 0.875 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 56.78 0.13 2.11
LAB*LAB 56.78 0.0 0.0
LAB*LAB 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.611 -0.249 0.0
lab*ch 0.625 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.611 -0.249 0.0
lab*lc 0.625 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 37.44 0.13 0.82
LAB*LAB 37.44 0.0 0.0
LAB*LAB 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 37.51 14.64 166.73

relative CIELAB lab*
lab*lab 0.361 -0.242 0.057
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lr 0.361 -0.249 0.0
lab*lc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.3

TLS00; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	41.88	62.0	31.82	69.69	27
JCIE	81.97	1.81	71.59	71.61	89
GCIE	51.62	-41.11	11.52	42.7	164
BCIE	29.2	-5.27	-49.33	49.62	264

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$
