

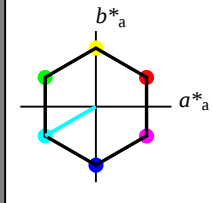
Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 210/360 = 0.583$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 100$

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 99.99 0.01 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*trj 1.0 0.0 0.0

lab*trc 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 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 75.00 0.01 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*trj 0.75 0.0 0.0

lab*trc 0.75 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 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 50.01 0.01 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*trj 0.25 0.0 0.0

lab*trc 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 25.00 0.01 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*trj 0.25 0.0 0.0

lab*trc 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 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 0.01 0.01 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*trj 0.0 0.0 0.0

lab*trc 0.0 0.0 0.0

lab*ncc 1.0 0.0 0.0

 $n^* = 1.0$

relative Inform. Technology (IT)

olv3* 0.75 1.0 1.0 (1.0)

cmyn3* 0.25 0.0 0.0 (0.0)

olv4* 0.75 1.0 1.0 (1.0)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 85.73 -16.74 -9.66

LAB*LABa 85.73 -16.74 -9.66

LAB*LABb 97.5 19.34 210.0

relative CIELAB lab*

lab*lab 0.875 -0.215 -0.124

lab*ch 0.875 0.25 0.583

lab*nch 0.0 0.25 0.583

relative Natural Colour (NC)

lab*trj 0.875 -0.192 -0.157

lab*trc 0.875 -0.25 0.609

lab*ncc 0.0 0.25 0.609

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 0.75 1.0 1.0 (0.75)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 66.39 -16.75 -9.67

LAB*LABa 66.39 -16.75 -9.67

LAB*LABb 62.25 19.35 210.0

relative CIELAB lab*

lab*lab 0.625 -0.216 -0.124

lab*ch 0.625 0.25 0.583

lab*nch 0.0 0.25 0.583

relative Natural Colour (NC)

lab*trj 0.625 -0.193 -0.157

lab*trc 0.625 0.25 0.609

lab*ncc 0.0 0.25 0.609

relative Inform. Technology (IT)

olv3* 0.25 0.5 0.5 (1.0)

cmyn3* 0.75 0.5 0.5 (0.0)

olv4* 0.75 1.0 1.0 (0.5)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 47.04 -16.75 -9.67

LAB*LABa 47.04 -16.75 -9.67

LAB*LABb 37.5 19.35 210.0

relative CIELAB lab*

lab*lab 0.375 -0.216 -0.124

lab*ch 0.375 0.25 0.583

lab*nch 0.0 0.25 0.583

relative Natural Colour (NC)

lab*trj 0.375 -0.193 -0.157

lab*trc 0.375 0.25 0.609

lab*ncc 0.0 0.25 0.609

relative Inform. Technology (IT)

olv3* 0.0 0.5 0.5 (1.0)

cmyn3* 1.0 0.5 0.5 (0.0)

olv4* 1.0 1.0 1.0 (0.5)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 27.26 -16.74 -9.66

LAB*LABa 27.26 -16.74 -9.66

LAB*LABb 12.5 19.34 210.0

relative CIELAB lab*

lab*lab 0.125 -0.215 -0.124

lab*ch 0.125 0.25 0.583

lab*nch 0.0 0.25 0.583

relative Natural Colour (NC)

lab*trj 0.125 -0.192 -0.157

lab*trc 0.125 0.25 0.609

lab*ncc 0.0 0.25 0.609

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 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 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 0.01 0.01 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*trj 0.0 0.0 0.0

lab*trc 0.0 0.0 0.0

lab*ncc 1.0 0.0 0.0

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	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

%Regularität

 $g^*_{H,rel} = 100$ $g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olv3* 0.5 1.0 1.0 (1.0)

cmyn3* 0.5 0.0 0.0 (0.0)

olv4* 0.5 1.0 1.0 (1.0)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 -0.61 3.44

LAB*LABa 76.06 -0.61 3.44

LAB*LABb 75.0 38.69 210.0

relative CIELAB lab*

lab*lab 0.75 -0.432 -0.249

lab*ch 0.75 0.5 0.583

lab*nch 0.0 0.5 0.583

relative Natural Colour (NC)

lab*trj 0.75 -0.386 -0.315

lab*trc 0.75 0.5 0.609

lab*ncc 0.0 0.5 0.609

relative Inform. Technology (IT)

olv3* 0.25 0.75 0.75 (1.0)

cmyn3* 0.75 0.25 0.25 (0.0)

olv4* 0.5 1.0 1.0 (0.75)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 -33.5 -19.34

LAB*LABa 56.71 -33.5 -19.34

LAB*LABb 50.0 38.69 210.0

relative CIELAB lab*

lab*lab 0.5 -0.432 -0.249

lab*ch 0.5 0.5 0.583

lab*nch 0.0 0.5 0.583

relative Natural Colour (NC)

lab*trj 0.5 -0.386 -0.315

lab*trc 0.5 0.5 0.609

lab*ncc 0.0 0.5 0.609

relative Inform. Technology (IT)

olv3* 0.0 0.75 0.75 (1.0)

cmyn3* 1.0 0.75 0.75 (0.0)

olv4* 0.5 1.0 1.0 (0.5)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 47.04 -50.26 -29.01

LAB*LABa 47.04 -50.26 -29.01

LAB*LABb 37.51 58.04 210.0

relative CIELAB lab*

lab*lab 0.375 -0.648 -0.374

lab*ch 0.375 0.75 0.583

lab*nch 0.0 0.75 0.583

relative Natural Colour (NC)

lab*trj 0.375 -0.58 -0.474

lab*trc 0.375 0.75 0.609

lab*ncc 0.0 0.75 0.609

relative Inform. Technology (IT)

olv3* 0.0 0.25 0.25 (1.0)

cmyn3* 1.0 0.25 0.25 (0.0)

olv4* 0.5 1.0 1.0 (0.5)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 27.26 -33.5 -19.34

LAB*LABa 27.26 -33.5 -19.34

LAB*LABb 25.01 38.69 210.0

relative CIELAB lab*

lab*lab 0.125 -0.432 -0.249

lab*ch 0.125 0.5 0.583

lab*nch 0.0 0.5 0.583

relative Natural Colour (NC)

lab*trj 0.125 -0.386 -0.315

lab*trc 0.125 0.5 0.609

lab*ncc 0.0 0.5 0.609

 $n^* = 0.50$ $n^* = 0.00$ $n^* = 0.25$ Schwarzheit n^* relative Buntheit c^*

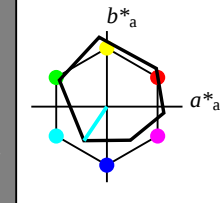
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 93$

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*LABa 95.41 -0.98 4.75

LAB*LABb 99.99 0.01 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*trj 1.0 0.0 0.0

lab*trc 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 76.06 -0.61 3.44

LAB*LABa 76.06 -0.61 3.44

LAB*LABb 75.0 38.69 210.0

relative CIELAB lab*

lab*lab 0.875 -0.139 -0.206

lab*ch 0.875 0.25 0.656

lab*nch 0.0 0.25 0.656

relative Natural Colour (NC)

lab*trj 0.875 -0.123 -0.216

lab*trc 0.875 0.25 0.667

lab*ncc 0.0 0.25 0.667

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 56.71 -0.61 3.44

LAB*LABa 56.71 -0.61 3.44

LAB*LABb 50.0 38.69 210.0

relative CIELAB lab*

lab*lab 0.75 -0.139 -0.206

lab*ch 0.75 0.5 0.656

lab*nch 0.0 0.5 0.656

relative Natural Colour (NC)

lab*trj 0.75 -0.123 -0.216

lab*trc 0.75 0.5 0.667

lab*ncc 0.0 0.5 0.667

relative Inform. Technology (IT)

olv3* 0.25 0.5 0.5 (1.0)

cmyn3* 0.75 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 47.04 -0.61 3.44

LAB*LABa 47.04 -0.61 3.44

LAB*LABb 37.5 38.69 210.0

relative CIELAB lab*

lab*lab 0.5 -0.139 -0.206

lab*ch 0.5 0.5 0.656

lab*nch 0.0 0.5 0.656

relative Natural Colour (NC)

lab*trj 0.5 -0.123 -0.216

lab*trc 0.5 0.5 0.667

lab*ncc 0.0 0.5 0.667

relative Inform. Technology (IT)

olv3* 0.0 0.5 0.5 (1.0)

cmyn3* 1.0 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 27.26 -0.61 3.44

LAB*LABa 27.26 -0.61 3.44

LAB*LABb 25.01 38.69 210.0

relative CIELAB lab*

lab*lab 0.125 -0.139 -0.206

lab*ch 0.125 0.5 0.656

lab*nch 0.0 0.5 0.656

relative Natural Colour (NC)

lab*trj 0.125 -0.123 -0.216

lab*trc 0.125 0.5 0.667

lab*ncc 0.0 0.5 0.667

 $n^* = 1.0$

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 76.06 -0.61 3.44

LAB*LABa 76.06 -0.61 3.44

LAB*LABb 75.0 38.69 210.0

relative CIELAB lab*

lab*lab 0.875 -0.139 -0.206

lab*ch 0.875 0.25 0.656

lab*nch 0.0 0.25 0.656

relative Natural Colour (NC)

lab*trj 0.875 -0.123 -0.216

lab*trc 0.875 0.25 0.667

lab*ncc 0.0 0.25 0.667

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 56.71 -0.61 3.44

LAB*LABa 56.71 -0.61 3.44

LAB*LABb 50.0 38.69 210.0

relative CIELAB lab*

lab*lab 0.75 -0.139 -0.206

lab*ch 0.75 0.5 0.656

lab*nch 0.0 0.5 0.656

relative Natural Colour (NC)

lab*trj 0.75 -0.123 -0.216

lab*trc 0.75 0.5 0.667

lab*ncc 0.0 0.5 0.667

relative Inform. Technology (IT)

olv3* 0.25 0.5 0.5 (1.0)

cmyn3* 0.75 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 47.04 -0.61 3.44

LAB*LABa 47.04 -0.61 3.44

LAB*LABb 37.5 38.69 210.0

relative CIELAB lab*

lab*lab 0.5 -0.139 -0.206

lab*ch 0.5 0.5 0.656

lab*nch 0.0 0.5 0.656

relative Natural Colour (NC)

lab*trj 0.5 -0.123 -0.216

lab*trc 0.5 0.5 0.667

lab*ncc 0.0 0.5 0.667

relative Inform. Technology (IT)

olv3* 0.0 0.5 0.5 (1.0)

cmyn3* 1.0 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 27.26 -0.61 3.44

LAB*LABa 27.26 -0.61 3.44

LAB*LABb 25.01 38.69 210.0

relative CIELAB lab*</

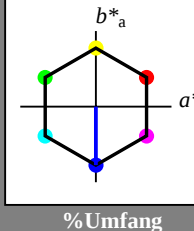
Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 270/360 = 0.75$

lab^*tch und lab^*nch

D65: Buntton V
LCH*Ma: 57 77 270
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)
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 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 (0.75)
cmyn4* 0.0 0.0 0.0 (0.25)
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 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 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

SRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

%Regularität

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 76.06 0.0 -38.68
LAB*LABa 76.06 0.0 -38.68
LAB*LABb 75.00 38.69 27.00

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.5 0.0 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

$n^* = 0.00$

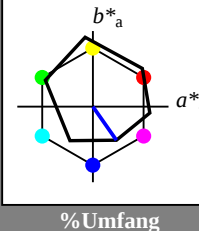
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*tch und lab^*nch

D65: 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)
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 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 (0.75)
cmyn4* 0.0 0.0 0.0 (0.25)
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 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 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
LAB*LAB 37.37 0.0 -38.69
LAB*LABa 37.37 0.0 -38.69
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 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 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
LAB*LAB 37.37 0.0 -38.69
LAB*LABa 37.37 0.0 -38.69
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.00 38.7 27.00

relative CIELAB lab*
lab*lab 0.0 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.988

$n^* = 0.50$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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	-62.83	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

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (0.75)
cmyn4* 0.25 0.25 0.25 (0.25)
LAB*LAB 77.99 7.12 -7.51
LAB*LABa 77.99 7.12 -7.51
LAB*LABb 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.75 0.143 -0.204
lab*tch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.75 0.112 -0.222
lab*tce 0.875 0.25 0.824
lab*nce 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.75 0.75 0.75 (0.75)
cmyn4* 0.25 0.25 0.25 (0.25)
LAB*LAB 58.64 7.77 -11.09
LAB*LABa 58.64 7.77 -11.09
LAB*LABb 62.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.5 0.25 0.143 -0.204
lab*tch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.5 0.112 -0.222
lab*tce 0.875 0.25 0.824
lab*nce 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.75 0.75 0.75 (0.75)
cmyn4* 0.25 0.25 0.25 (0.25)
LAB*LAB

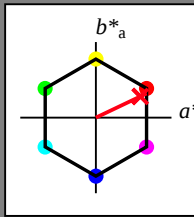
Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 100$

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 99.99 0.01 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 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 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 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 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 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 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 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 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	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

%Regularität

 $g^*_{H,rel} = 100$ $g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olv3* 1.0 0.5 0.544 (1.0)

cmyn3* 0.0 0.5 0.544 (0.0)

olv4* 1.0 0.5 0.544 (1.0)

cmyn4* 0.0 0.5 0.544 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 33.51 15.97

LAB*LABa 76.06 33.51 15.97

LAB*LABb 75.00 37.12 25.48

relative CIELAB lab*

lab*lab 0.75 0.51 0.215

lab*tch 0.75 0.5 0.071

lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)

lab*lab 0.75 0.5 0.071

lab*tch 0.75 0.5 0.071

lab*nch 0.0 0.5 0.071

relative Inform. Technology (IT)

olv3* 0.75 0.25 0.25 (1.0)

cmyn3* 0.25 0.75 0.706 (0.0)

olv4* 1.0 0.5 0.544 (1.0)

cmyn4* 0.0 0.5 0.544 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 33.52 15.97

LAB*LABa 56.71 33.52 15.97

LAB*LABb 50.00 37.13 25.48

relative CIELAB lab*

lab*lab 0.75 0.25 0.25 (1.0)

lab*tch 0.75 0.25 0.25 (0.0)

lab*nch 0.0 0.75 0.071

relative Natural Colour (NC)

lab*lab 0.75 0.25 0.25 (1.0)

lab*tch 0.75 0.25 0.25 (0.0)

lab*nch 0.0 0.75 0.071

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.0 (1.0)

cmyn3* 0.75 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 37.37 33.51 15.97

LAB*LABa 37.37 33.51 15.97

LAB*LABb 25.00 37.13 25.48

relative CIELAB lab*

lab*lab 0.25 0.0 0.0 (1.0)

lab*tch 0.25 0.0 0.0 (0.0)

lab*nch 0.0 0.0 0.0 (0.0)

relative Natural Colour (NC)

lab*lab 0.25 0.0 0.0 (1.0)

lab*tch 0.25 0.0 0.0 (0.0)

lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 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 18.03 18.03 0.0

LAB*LABa 18.03 18.03 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 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 18.03 18.03 0.0

LAB*LABa 18.03 18.03 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

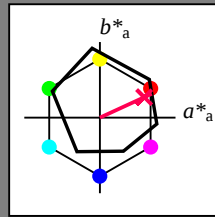
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 93$

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*LABa 95.41 0.0 0.0

LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 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 76.06 -0.61 3.44

LAB*LABa 76.06 -0.61 3.44

LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.75 0.25 0.25 (1.0)

cmyn3* 0.25 0.75 0.589 (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 56.71 67.02 31.94

LAB*LABa 56.71 67.02 31.94

LAB*LABb 50.00 74.24 25.48

relative CIELAB lab*

lab*lab 0.75 0.25 0.25 (1.0)

lab*tch 0.75 0.25 0.25 (0.0)

lab*nch 0.0 0.75 0.071

relative Natural Colour (NC)

lab*lab 0.75 0.25 0.25 (1.0)

lab*tch 0.75 0.25 0.25 (0.0)

lab*nch 0.0 0.75 0.071

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.0 (1.0)

cmyn3* 0.75 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 37.37 33.52 15.97

LAB*LABa 37.37 33.52 15.97

LAB*LABb 25.00 37.13 25.48

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 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 18.03 18.03 0.0

LAB*LABa 18.03 18.03 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 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 18.03 18.03 0.0

LAB*LABa 18.03 18.03 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 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	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	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
RC _{IE}	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

%Regularität

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

relative Inform. Technology (IT)

olv3* 1.0 0.5 0.661 (1.0)

cmyn3* 0.0 0.5 0.661 (0.0)

olv4* 1.0 0.5 0.661 (1.0)

cmyn4* 0.0 0.5 0.661 (0.0)

standard and adapted CIELAB

LAB*LAB 71.7 34.28 15.76

LAB*LABa 71.7 34.28 15.76

LAB*LABb 75.00 37.73 24.7

relative CIELAB lab*

lab*lab 0.694 0.54 0.209

lab*tch 0.75 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Natural Colour (NC)

lab*lab 0.694 0.5 0.069

lab*tch 0.75 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Inform. Technology (IT)

olv3* 0.75 0.25 0.25 (1.0)

cmyn3* 0.25 0.75 0.589 (0.0)

olv4* 1.0 0.5 0.661 (1.0)

cmyn4* 0.0 0.5 0.661 (0.0)

standard and adapted CIELAB

LAB*LAB 52.36 34.29 15.77

LAB*LABa 52.36 34.29 15.77

LAB*LABb 50.00 37.74 24.7

relative CIELAB lab*

lab*lab 0.694 0.54 0.209

lab*tch 0.75 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Natural Colour (NC)

lab*lab 0.694 0.5 0.069

lab*tch 0.75 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.0 (1.0)

cmyn3* 0.75 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 33.01 34.28 15.77

LAB*LABa 33.01 34.28 15.77

LAB*LABb 25.00 37.74 24.7

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 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 18.03 18.03 0.0

LAB*LABa 18.03 18.03 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 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 18.03 18.03 0.0

LAB*LABa 18.03 18.03 0.0

LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 92/360 = 0.256$

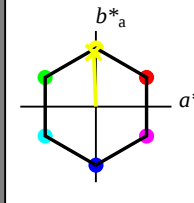
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 100$

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* 0.989 1.0 0.75 (1.0)
cmyn3* 0.011 0.0 0.25 (0.0)
olv4* 0.989 1.0 0.75 (1.0)
cmyn4* 0.011 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 -0.75 18.91
LAB*LABa 85.73 -0.75 18.91
LAB*LABb 85.73 -0.75 18.91
LAB*LABc 85.73 -0.75 18.91

relative Inform. Technology (IT)
olv3* 0.977 1.0 0.5 (1.0)
cmyn3* 0.023 0.0 0.5 (0.0)
olv4* 0.977 1.0 0.5 (1.0)
cmyn4* 0.023 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -1.51 37.81
LAB*LABa 76.06 -1.51 37.81
LAB*LABb 76.06 -1.51 37.81
LAB*LABc 76.06 -1.51 37.81

relative Inform. Technology (IT)
olv3* 0.977 1.0 0.5 (1.0)
cmyn3* 0.023 0.0 0.5 (0.0)
olv4* 0.977 1.0 0.5 (1.0)
cmyn4* 0.023 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -1.51 37.81
LAB*LABa 76.06 -1.51 37.81
LAB*LABb 76.06 -1.51 37.81
LAB*LABc 76.06 -1.51 37.81

relative Inform. Technology (IT)
olv3* 0.977 1.0 0.5 (1.0)
cmyn3* 0.023 0.0 0.5 (0.0)
olv4* 0.977 1.0 0.5 (1.0)
cmyn4* 0.023 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -1.51 37.81
LAB*LABa 76.06 -1.51 37.81
LAB*LABb 76.06 -1.51 37.81
LAB*LABc 76.06 -1.51 37.81

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$

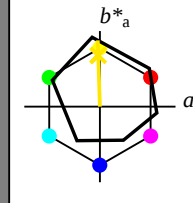
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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*LABa 95.41 -0.98 4.75
LAB*LABb 95.41 -0.98 4.75
LAB*LABc 95.41 -0.98 4.75

relative Inform. Technology (IT)
olv3* 0.975 0.75 0.75 (1.0)
cmyn3* 0.025 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 93.1 -1.64 26.52
LAB*LABa 93.1 -1.64 26.52
LAB*LABb 93.1 -1.64 26.52
LAB*LABc 93.1 -1.64 26.52

relative Inform. Technology (IT)
olv3* 0.975 0.75 0.75 (1.0)
cmyn3* 0.025 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 93.1 -1.64 26.52
LAB*LABa 93.1 -1.64 26.52
LAB*LABb 93.1 -1.64 26.52
LAB*LABc 93.1 -1.64 26.52

relative Inform. Technology (IT)
olv3* 0.975 0.75 0.75 (1.0)
cmyn3* 0.025 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 93.1 -1.64 26.52
LAB*LABa 93.1 -1.64 26.52
LAB*LABb 93.1 -1.64 26.52
LAB*LABc 93.1 -1.64 26.52

relative Inform. Technology (IT)
olv3* 0.975 0.75 0.75 (1.0)
cmyn3* 0.025 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 93.1 -1.64 26.52
LAB*LABa 93.1 -1.64 26.52
LAB*LABb 93.1 -1.64 26.52
LAB*LABc 93.1 -1.64 26.52

NG570-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage NG57; Farbmetrik-Systeme ORS18 & ORS18input: $olv^*setrgbcolor$

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *Startup (S) data dependend*

