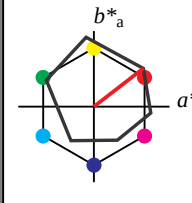


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



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 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*tr 1.0 0.0 0.0
lab*ce 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 (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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 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*tr 0.75 0.0 0.0
lab*ce 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 (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 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 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*tr 0.5 0.0 0.0
lab*ce 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 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*tr 0.25 0.0 0.0
lab*ce 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

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
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* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.15 28.41
LAB*LABb 71.67 32.15 28.41
LAB*LABc 71.67 32.15 28.41

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*ch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*tr 0.693 0.477 0.15
lab*ce 0.75 0.5 0.105
lab*nce 0.0 0.5 0.105

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 52.33 32.53 27.11
LAB*LABa 52.33 32.53 27.11
LAB*LABb 52.33 32.53 27.11
LAB*LABc 52.33 32.53 27.11

relative CIELAB lab*
lab*lab 0.443 0.396 0.306
lab*ch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*tr 0.443 0.477 0.15
lab*ce 0.75 0.5 0.105
lab*nce 0.0 0.5 0.105

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 40.46 49.1 38.93
LAB*LABa 40.46 49.1 38.93
LAB*LABb 40.46 49.1 38.93
LAB*LABc 40.46 49.1 38.93

relative CIELAB lab*
lab*lab 0.29 0.593 0.458
lab*ch 0.375 0.75 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*tr 0.29 0.716 0.224
lab*ce 0.375 0.75 0.105
lab*nce 0.0 0.5 0.105

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 22.98 32.9 37.07
LAB*LABa 22.98 32.9 37.07
LAB*LABb 22.98 32.9 37.07
LAB*LABc 22.98 32.9 37.07

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*ch 0.25 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*tr 0.193 0.477 0.15
lab*ce 0.25 0.5 0.105
lab*nce 0.0 0.5 0.105

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 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 59.8 48.73 40.24
LAB*LABa 59.8 48.73 40.24
LAB*LABb 59.8 48.73 40.24
LAB*LABc 59.8 48.73 40.24

relative CIELAB lab*
lab*lab 0.593 0.458 0.306
lab*ch 0.625 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*tr 0.593 0.477 0.15
lab*ce 0.625 0.75 0.105
lab*nce 0.0 0.75 0.105

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 47.94 65.3 52.06
LAB*LABa 47.94 65.3 52.06
LAB*LABb 47.94 65.3 52.06
LAB*LABc 47.94 65.3 52.06

relative CIELAB lab*
lab*lab 0.387 0.791 0.611
lab*ch 0.5 1.0 0.105
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*tr 0.387 0.954 0.299
lab*ce 0.5 1.0 0.105
lab*nce 0.0 1.0 0.105

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 37.51 61.96 37.69
LAB*LABa 37.51 61.96 37.69
LAB*LABb 37.51 61.96 37.69
LAB*LABc 37.51 61.96 37.69

relative CIELAB lab*
lab*lab 0.29 0.593 0.458
lab*ch 0.375 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*tr 0.29 0.716 0.224
lab*ce 0.375 0.75 0.105
lab*nce 0.0 0.75 0.105

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 22.98 32.9 37.07
LAB*LABa 22.98 32.9 37.07
LAB*LABb 22.98 32.9 37.07
LAB*LABc 22.98 32.9 37.07

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

0.25

0.50

0.75

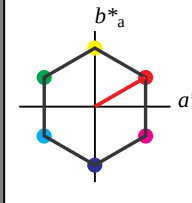
1.00

relative Buntheit c^*

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18 für Buntton $h^* = lab^*h = 30/360 = 0.083$ lab^*ch und lab^*nch

D65: Buntton O
LCH*Ma: 57 77 30
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 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*tr 1.0 0.0 0.0
lab*ce 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 (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 76.07 0.0 0.0
LAB*LABc 76.07 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*tr 0.75 0.0 0.0
lab*ce 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 (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 56.70 0.0 0.0
LAB*LABa 56.70 0.0 0.0
LAB*LABb 56.70 0.0 0.0
LAB*LABc 56.70 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*tr 0.5 0.0 0.0
lab*ce 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 (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 37.37 0.0 0.0
LAB*LABc 37.37 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*tr 0.25 0.0 0.0
lab*ce 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 (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 18.03 0.0 0.0
LAB*LABc 18.03 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

%Regularität

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

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

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 76.06 33.51 19.35
LAB*LABa 76.06 33.51 19.35
LAB*LABb 76.06 33.51 19.35
LAB*LABc 76.06 33.51 19.35

relative CIELAB lab*
lab*lab 0.75 0.433 0.225
lab*ch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*tr 0.75 0.497 0.053
lab*ce 0.75 0.5 0.083
lab*nce 0.0 0.5 0.083

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 56.71 33.52 19.35
LAB*LABa 56.71 33.52 19.35
LAB*LABb 56.71 33.52 19.35
LAB*LABc 56.71 33.52 19.35

relative CIELAB lab*
lab*lab 0.625 0.649 0.375
lab*ch 0.75 0.5 0.083
lab*nch 0.0 0.75 0.083
relative Natural Colour (NC)
lab*tr 0.625 0.746 0.08
lab*ce 0.625 0.75 0.083
lab*nce 0.0 0.75 0.083

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 47.04 16.76 9.68
LAB*LABa 47.04 16.76 9.68
LAB*LABb 47.04 16.76 9.68
LAB*LABc 47.04 16.76 9.68

relative CIELAB lab*
lab*lab 0.375 0.217 0.125
lab*ch 0.375 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*tr 0.375 0.249 0.027
lab*ce 0.375 0.25 0.083
lab*nce 0.0 0.25 0.083

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 27.68 16.75 9.67
LAB*LABa 27.68 16.75 9.67
LAB*LABb 27.68 16.75 9.67
LAB*LABc 27.68 16.75 9.67

relative CIELAB lab*
lab*lab 0.125 0.216 0.125
lab*ch 0.125 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*tr 0.125 0.248 0.027
lab*ce 0.125 0.25 0.083
lab*nce 0.0 0.25 0.083

$n^* = 0.50$

%Regularität

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

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

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 76.06 33.51 19.35
LAB*LABa 76.06 33.51 19.35
LAB*LABb 76.06 33.51 19.35
LAB*LABc 76.06 33.51 19.35

relative CIELAB lab*
lab*lab 0.75 0.433 0.225
lab*ch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*tr 0.75 0.497 0.053
lab*ce 0.75 0.5 0.083
lab*nce 0.0 0.5 0.083

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 56.71 33.52 19.35
LAB*LABa 56.71 33.52 19.35
LAB*LABb 56.71 33.52 19.35
LAB*LABc 56.71 33.52 19.35

relative CIELAB lab*
lab*lab 0.625 0.649 0.375
lab*ch 0.75 0.5 0.083
lab*nch 0.0 0.75 0.083
relative Natural Colour (NC)
lab*tr 0.625 0.746 0.08
lab*ce 0.625 0.75 0.083
lab*nce 0.0 0.75 0.083

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olv4* 1.0 0.5 0.5 (0.75)
cmyn4* 0.0 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 47.04 16.76 9.68
LAB*LABa 47.04 16.76 9.68
LAB*LABb 47.04 16.76 9.68
LAB*LABc 47.04 16.76 9.68

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 96/360 = 0.268$

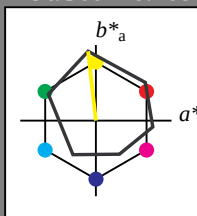
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 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 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCa 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 -
lab*trj 1.0 0.0 0.0
lab*trc 1.0 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 76.06 -0.61 3.44
LAB*LAB 76.06 0.0 0.0
LAB*TCa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.0 0.0 -
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 -
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 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*TCa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.0 0.0 -
lab*trj 0.5 0.0 0.0
lab*trc 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 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.0 0.0 -
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 -
lab*ncc 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)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 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)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 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)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 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
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* 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 92.88 -6.06 50.46
LAB*LAB 92.88 -3.12 45.87
LAB*TCa 75.00 46.15 96.38

relative CIELAB lab*
lab*lab 0.967 -0.055 4.97
lab*ch 0.75 0.5 0.268
lab*nch 0.0 0.5 0.268
lab*trj 0.967 -0.048 4.97
lab*trc 0.75 0.5 0.268
lab*ncc 0.0 0.5 0.268

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 73.54 -5.12 45.88
LAB*LAB 73.54 -5.12 45.88
LAB*TCa 50.00 46.15 96.38

relative CIELAB lab*
lab*lab 0.717 -0.055 4.97
lab*ch 0.5 0.5 0.268
lab*nch 0.0 0.5 0.268
lab*trj 0.717 -0.048 4.97
lab*trc 0.5 0.5 0.268
lab*ncc 0.0 0.5 0.268

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 54.19 -5.12 45.88
LAB*LAB 54.19 -5.12 45.88
LAB*TCa 25.01 46.15 96.38

relative CIELAB lab*
lab*lab 0.467 -0.055 4.97
lab*ch 0.25 0.5 0.268
lab*nch 0.0 0.5 0.268
lab*trj 0.467 -0.048 4.97
lab*trc 0.25 0.5 0.268
lab*ncc 0.0 0.5 0.268

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 36.1 -2.56 22.93
LAB*LAB 36.1 -2.56 22.93
LAB*TCa 12.5 23.07 96.38

relative CIELAB lab*
lab*lab 0.234 -0.027 2.48
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
lab*trj 0.234 -0.024 2.49
lab*trc 0.125 0.25 0.268
lab*ncc 0.0 0.25 0.268

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)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 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)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 0.0 -

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 90/360 = 0.25$

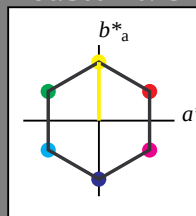
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 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*LAB 95.41 0.0 0.0
LAB*TCa 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 -
lab*trj 1.0 0.0 0.0
lab*trc 1.0 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 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*TCa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.0 0.0 -
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 -
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 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*TCa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.0 0.0 -
lab*trj 0.5 0.0 0.0
lab*trc 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 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.0 0.0 -
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 -
lab*ncc 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)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 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)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 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)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 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
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* 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 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0
LAB*TCa 75.00 38.69 90.00

relative CIELAB lab*
lab*lab 0.75 0.0 0.5
lab*ch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
lab*trj 0.75 0.027 4.99
lab*trc 0.75 0.5 0.241
lab*ncc 0.0 0.5 0.241

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 56.71 0.0 38.7
LAB*LAB 56.71 0.0 38.7
LAB*TCa 50.00 38.7 90.00

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*ch 0.5 0.5 0.25
lab*nch 0.0 0.5 0.25
lab*trj 0.5 0.027 4.99
lab*trc 0.5 0.5 0.241
lab*ncc 0.0 0.5 0.241

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 47.04 0.0 13.35
LAB*LAB 47.04 0.0 13.35
LAB*TCa 37.5 19.35 90.00

relative CIELAB lab*
lab*lab 0.25 0.0 0.25
lab*ch 0.25 0.25 0.25
lab*nch 0.0 0.25 0.25
lab*trj 0.25 0.014 2.5
lab*trc 0.25 0.25 0.241
lab*ncc 0.0 0.25 0.241

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 27.69 0.0 13.34
LAB*LAB 27.69 0.0 13.34
LAB*TCa 12.5 19.34 90.00

relative CIELAB lab*
lab*lab 0.125 0.0 0.125
lab*ch 0.125 0.25 0.25
lab*nch 0.0 0.25 0.25
lab*trj 0.125 0.014 2.5
lab*trc 0.125 0.25 0.241
lab*ncc 0.0 0.25 0.241

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)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 0.0 -

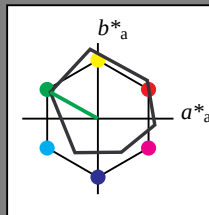
relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 -
lab*ncc 1.0 0.0 -

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 151/360 = 0.419$ lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
olv*Ma: 0.0 1.0 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 -0.98 47.5
LAB*LAB 95.41 0.0 0.0
LAB*Ch 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*nc 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*LAB 76.06 0.0 0.0
LAB*Ch 75.00 0.01 -

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 -
relative Natural Colour (NC)
lab*lr 0.75 0.0 0.0
lab*lc 0.75 0.0 0.0
lab*nc 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 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*Ch 50.00 0.01 -

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 -
relative Natural Colour (NC)
lab*lr 0.5 0.0 0.0
lab*lc 0.5 0.0 0.0
lab*nc 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 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*Ch 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 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.25 0.0 0.0
lab*lc 0.25 0.0 0.0
lab*nc 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 45.56 -15.73 10.13
LAB*LAB 45.56 0.0 0.0
LAB*Ch 37.51 19.93 15.01

relative CIELAB lab*
lab*lab 0.356 -0.217 0.121
lab*ch 0.375 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*lr 0.356 -0.217 0.121
lab*lc 0.375 0.25 0.419
lab*nc 0.25 0.25 0.419

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
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 34.46 -31.22 18.12
LAB*LAB 34.46 0.0 0.0
LAB*Ch 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*ch 0.25 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*lr 0.213 -0.436 0.243
lab*lc 0.25 0.25 0.419
lab*nc 0.25 0.25 0.419

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.47
LAB*Ch 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*ch 0.125 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*lr 0.106 -0.217 0.121
lab*lc 0.125 0.25 0.419
lab*nc 0.25 0.25 0.419

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.47
LAB*Ch 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*ch 0.125 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*lr 0.106 -0.217 0.121
lab*lc 0.125 0.25 0.419
lab*nc 0.25 0.25 0.419

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.47
LAB*Ch 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*ch 0.125 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*lr 0.106 -0.217 0.121
lab*lc 0.125 0.25 0.419
lab*nc 0.25 0.25 0.419

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.47
LAB*Ch 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*ch 0.125 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*lr 0.106 -0.217 0.121
lab*lc 0.125 0.25 0.419
lab*nc 0.25 0.25 0.419

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

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

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

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

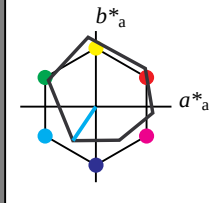
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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 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*tr 1.0 0.0 0.0
lab*ce 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 (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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 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*tr 0.75 0.0 0.0
lab*ce 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 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*tr 0.5 0.0 0.0
lab*ce 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 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*tr 0.25 0.0 0.0
lab*ce 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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
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* 0.5 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 77.01 -15.8 -19.98
LAB*LABa 77.01 -15.8 -19.98
LAB*LABb 77.01 -15.8 -19.98
LAB*LABc 77.01 -15.8 -19.98

relative CIELAB lab*

lab*lab 0.762 -0.278 -0.414
lab*ch 0.762 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.762 -0.278 -0.414
lab*ce 0.762 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.67 -15.43 -20.29
LAB*LABa 57.67 -15.43 -20.29
LAB*LABb 57.67 -15.43 -20.29
LAB*LABc 57.67 -15.43 -20.29

relative CIELAB lab*

lab*lab 0.512 -0.247 -0.433
lab*ch 0.512 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.512 -0.247 -0.433
lab*ce 0.512 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.32 -15.63 -22.5
LAB*LABa 38.32 -15.63 -22.5
LAB*LABb 38.32 -15.63 -22.5
LAB*LABc 38.32 -15.63 -22.5

relative CIELAB lab*

lab*lab 0.262 -0.278 -0.414
lab*ch 0.262 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.262 -0.278 -0.414
lab*ce 0.262 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.131 -0.139 -0.206
cmyn3* 0.125 0.25 0.656
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.57 -11.24
LAB*LABa 28.17 -7.57 -11.24
LAB*LABb 28.17 -7.57 -11.24
LAB*LABc 28.17 -7.57 -11.24

relative CIELAB lab*

lab*lab 0.131 -0.139 -0.206
lab*ch 0.125 0.25 0.656
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.131 -0.139 -0.206
lab*ce 0.125 0.25 0.656
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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

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

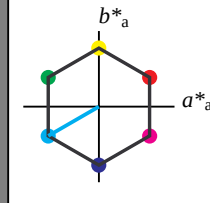
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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*tr 1.0 0.0 0.0
lab*ce 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 (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 76.07 0.0 0.0
LAB*LABc 76.07 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*tr 0.75 0.0 0.0
lab*ce 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 (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 56.72 0.0 0.0
LAB*LABc 56.72 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*tr 0.5 0.0 0.0
lab*ce 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 (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 37.37 0.0 0.0
LAB*LABc 37.37 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*tr 0.25 0.0 0.0
lab*ce 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 (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 18.03 0.0 0.0
LAB*LABc 18.03 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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 18.03 0.0 0.0
LAB*LABc 18.03 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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
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* 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 76.06 -0.61 3.44
LAB*LABc 76.06 -0.61 3.44

relative CIELAB lab*

lab*lab 0.75 -0.432 -0.249
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 -0.432 -0.249
lab*ce 0.75 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 (1.0)
cmyn4* 0.0 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 56.71 -33.5 -19.34
LAB*LABc 56.71 -33.5 -19.34

relative CIELAB lab*

lab*lab 0.5 -0.432 -0.249
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 -0.432 -0.249
lab*ce 0.5 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
LAB*LABa 37.36 -0.38 0.83
LAB*LABb 37.36 -0.38 0.83
LAB*LABc 37.36 -0.38 0.83

relative CIELAB lab*

lab*lab 0.375 -0.648 -0.374
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.375 -0.648 -0.374
lab*ce 0.375 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.125 -0.125 -0.188
cmyn3* 0.125 0.25 0.656
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 -16.74 -9.66
LAB*LABa 27.69 -16.74 -9.66
LAB*LABb 27.69 -16.74 -9.66
LAB*LABc 27.69 -16.74 -9.66

relative CIELAB lab*

lab*lab 0.125 -0.125 -0.188
lab*ch 0.125 0.25 0.656
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.125 -0.125 -0.188
lab*ce 0.125 0.25 0.656
lab*nce 0.0 0.0 0.0

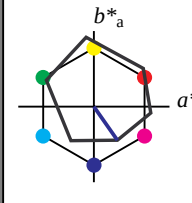
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 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*LAB 95.41 0.0 0.0
LAB*LAB 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*tr 1.0 0.0 0.0
lab*ce 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
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 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*tr 0.75 0.0 0.0
lab*ce 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
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 50.00 0.01 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*tr 0.5 0.0 0.0
lab*ce 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
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 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*tr 0.25 0.0 0.0
lab*ce 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
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 0.75 0.75 1.0 1.0
cmyn4* 0.25 0.25 0.0 0.0
standard and adapted CIELAB
LAB*LAB 77.99 7.12 -7.51
LAB*LAB 77.99 7.77 -11.09
LAB*LAB 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.75 0.143 -0.204
lab*ch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.75 0.112 -0.222
lab*ce 0.875 0.25 0.847
lab*nce 0.0 0.25 0.847

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olv4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 0.75
standard and adapted CIELAB
LAB*LAB 58.64 7.49 -8.82
LAB*LAB 58.64 7.77 -11.09
LAB*LAB 62.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.5 0.25 0.143 -0.204
lab*ch 0.625 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.5 0.112 -0.222
lab*ce 0.625 0.25 0.847
lab*nce 0.0 0.25 0.847

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.5 0.5 1.0 0.5
cmyn4* 0.25 0.25 0.0 0.5
standard and adapted CIELAB
LAB*LAB 41.22 15.56 -21.1
LAB*LAB 41.22 15.55 -22.1
LAB*LAB 50.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.25 0.287 -0.408
lab*ch 0.375 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.25 0.225 -0.446
lab*ce 0.375 0.25 0.847
lab*nce 0.0 0.25 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olv4* 0.5 0.5 1.0 0.5
cmyn4* 0.0 0.0 0.5 1.0
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.1
LAB*LAB 21.87 15.55 -22.1
LAB*LAB 25.01 27.1 305.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.408
lab*ch 0.25 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.0 0.225 -0.446
lab*ce 0.25 0.25 0.847
lab*nce 0.0 0.25 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 19.24 22.3 11.43
LAB*LAB 19.24 7.77 -11.09
LAB*LAB 12.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.125 0.25 0.847
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.125 0.25 0.847
lab*nce 0.0 0.0 0.0

$n^* = 0.50$

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
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* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olv4* 0.5 0.5 1.0 1.0
cmyn4* 0.5 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*LAB 60.56 15.55 -22.19
LAB*LAB 75.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.5 0.287 -0.408
lab*ch 0.75 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.5 0.225 -0.446
lab*ce 0.75 0.25 0.847
lab*nce 0.0 0.25 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 1.0 0.5
cmyn4* 0.0 0.0 0.5 1.0
standard and adapted CIELAB
LAB*LAB 43.14 23.34 -32.07
LAB*LAB 43.14 23.32 -32.29
LAB*LAB 62.5 40.66 305.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.408
lab*ch 0.625 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.0 0.225 -0.446
lab*ce 0.625 0.25 0.847
lab*nce 0.0 0.25 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 23.34 23.32 -32.07
LAB*LAB 23.34 23.32 -32.29
LAB*LAB 37.51 40.66 305.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.408
lab*ch 0.375 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.0 0.225 -0.446
lab*ce 0.375 0.25 0.847
lab*nce 0.0 0.25 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 1.0$

relative Buntheit c^*

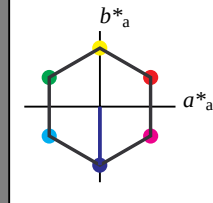
Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

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

lab^*ch und lab^*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 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*LAB 95.41 0.0 0.0
LAB*LAB 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*tr 1.0 0.0 0.0
lab*ce 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
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 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*tr 0.75 0.0 0.0
lab*ce 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
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 50.00 0.01 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*tr 0.5 0.0 0.0
lab*ce 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
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0
LAB*LAB 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*tr 0.25 0.0 0.0
lab*ce 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 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

$n^* = 0.75$

relative Buntheit c^*

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 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olv4* 0.5 0.5 1.0 1.0
cmyn4* 0.5 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 76.06 0.0 -38.68
LAB*LAB 76.06 0.0 0.0
LAB*LAB 75.0 38.69 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*ch 0.75 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*tr 0.5 -0.011 -0.499
lab*ce 0.75 0.5 0.75
lab*nce 0.0 0.5 0.988

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.5 0.5 1.0 0.5
cmyn4* 0.5 0.5 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LAB 56.71 0.0 0.0
LAB*LAB 50.0 38.7 270.0

relative CIELAB lab*
lab*lab 0.25 0.0 -0.499
lab*ch 0.375 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*tr 0.25 -0.011 -0.499
lab*ce 0.375 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* 0.0 0.0 0.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 47.04 0.0 -58.03
LAB*LAB 47.04 0.0 0.0
LAB*LAB 37.5 58.04 270.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.499
lab*ch 0.375 0.5 0.75
lab*nch 0.0 0.25 0.75
relative Natural Colour (NC)
lab*tr 0.0 0.225 -0.499
lab*ce 0.375 0.5 0.75
lab*nce 0.0 0.25 0.988

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

relative Buntheit c^*

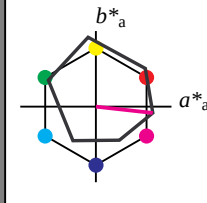
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 93$

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
cmyn3*	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
LAB*LAB	95.41 -0.98 47.5
LAB*LAB	95.41 0.0 0.0
LAB*LAB	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*lab	1.0 0.0 0.0
lab*ch	1.0 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)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
cmyn3*	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
LAB*LAB	76.06 -0.61 3.44
LAB*LAB	76.06 0.0 0.0
LAB*LAB	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*lab	0.75 0.0 0.0
lab*ch	0.75 0.0 0.0
lab*nch	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (0.0)
olv4*	0.5 0.5 0.5 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
cmyn3*	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
LAB*LAB	56.71 -0.24 2.14
LAB*LAB	56.71 0.0 0.0
LAB*LAB	55.00 0.01 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*lab	0.5 0.0 0.0
lab*ch	0.5 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)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
cmyn3*	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
LAB*LAB	37.36 -0.33 0.83
LAB*LAB	37.36 0.0 0.0
LAB*LAB	35.00 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*lab	0.25 0.0 0.0
lab*ch	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)
olv4*	1.0 1.0 1.0 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
cmyn3*	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
LAB*LAB	18.02 0.0 0.47
LAB*LAB	18.02 0.0 0.0
LAB*LAB	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*lab	0.0 0.0 0.0
lab*ch	0.0 0.0 0.0
lab*nch	1.0 0.0 0.0

 $n^* = 1.0$

relative Inform. Technology (IT)	
olv3*	1.0 0.75 1.0 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.75 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
cmyn3*	0.0 0.25 0.0 (0.0)
cmyn4*	0.0 0.25 0.0 (0.0)
LAB*LAB	83.59 18.05 1.87
LAB*LAB	83.59 18.01 -2.08
LAB*LAB	87.5 18.93 353.66
relative CIELAB lab*	
lab*lab	0.847 0.248 -0.027
lab*ch	0.875 0.25 0.982
lab*nch	0.0 0.25 0.982
relative Natural Colour (NC)	
lab*lab	0.847 0.227 -0.103
lab*ch	0.875 0.25 0.982
lab*nch	0.0 0.25 0.982

relative Inform. Technology (IT)	
olv3*	0.75 0.5 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	1.0 0.75 1.0 (0.0)
olv6*	0.0 0.25 0.0 (0.0)
cmyn3*	0.0 0.25 0.0 (0.0)
cmyn4*	0.0 0.25 0.0 (0.0)
LAB*LAB	64.24 18.43 0.56
LAB*LAB	64.24 18.82 -2.08
LAB*LAB	62.5 18.94 353.66
relative CIELAB lab*	
lab*lab	0.597 0.248 -0.027
lab*ch	0.625 0.25 0.982
lab*nch	0.0 0.25 0.982
relative Natural Colour (NC)	
lab*lab	0.597 0.227 -0.103
lab*ch	0.625 0.25 0.982
lab*nch	0.0 0.25 0.982

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (1.0)
olv4*	0.5 0.5 0.5 (0.0)
olv5*	1.0 0.75 1.0 (0.0)
olv6*	0.0 0.25 0.0 (0.0)
cmyn3*	0.0 0.25 0.0 (0.0)
cmyn4*	0.0 0.25 0.0 (0.0)
LAB*LAB	44.89 18.8 -0.74
LAB*LAB	44.89 18.82 -2.08
LAB*LAB	37.5 18.94 353.66
relative CIELAB lab*	
lab*lab	0.347 0.248 -0.027
lab*ch	0.375 0.25 0.982
lab*nch	0.0 0.25 0.982
relative Natural Colour (NC)	
lab*lab	0.347 0.227 -0.103
lab*ch	0.375 0.25 0.982
lab*nch	0.0 0.25 0.982

relative Inform. Technology (IT)	
olv3*	0.25 0.0 0.0 (1.0)
olv4*	0.75 1.0 0.75 (0.0)
olv5*	1.0 0.75 1.0 (0.0)
olv6*	0.0 0.25 0.0 (0.0)
cmyn3*	0.0 0.25 0.0 (0.0)
cmyn4*	0.0 0.25 0.0 (0.0)
LAB*LAB	25.24 19.17 2.04
LAB*LAB	25.24 18.81 -2.08
LAB*LAB	12.5 18.93 353.66
relative CIELAB lab*	
lab*lab	0.097 0.248 -0.027
lab*ch	0.125 0.25 0.982
lab*nch	0.0 0.25 0.982
relative Natural Colour (NC)	
lab*lab	0.097 0.227 -0.103
lab*ch	0.125 0.25 0.982
lab*nch	0.0 0.25 0.982

 $n^* = 0.50$

0.25

0.50

0.75

1.00

relative Buntheit c^*

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
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

%Regularität

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

relative Inform. Technology (IT)	
olv3*	1.0 0.5 1.0 (1.0)
olv4*	0.0 0.5 0.0 (0.0)
olv5*	1.0 0.5 1.0 (1.0)
olv6*	0.0 0.5 0.0 (0.0)
cmyn3*	0.0 0.5 0.0 (0.0)
cmyn4*	0.0 0.5 0.0 (0.0)
LAB*LAB	71.77 37.1 -1.01
LAB*LAB	71.77 37.63 -4.17
LAB*LAB	75.0 37.86 353.66
relative CIELAB lab*	
lab*lab	0.695 0.497 -0.054
lab*ch	0.75 0.5 0.982
lab*nch	0.0 0.5 0.982
relative Natural Colour (NC)	
lab*lab	0.695 0.454 -0.208
lab*ch	0.75 0.5 0.982
lab*nch	0.0 0.5 0.982

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.75 (1.0)
olv4*	0.25 0.75 0.25 (0.0)
olv5*	1.0 0.5 1.0 (0.0)
olv6*	0.0 0.5 0.0 (0.0)
cmyn3*	0.0 0.5 0.0 (0.0)
cmyn4*	0.0 0.5 0.0 (0.0)
LAB*LAB	52.42 37.64 -2.32
LAB*LAB	52.42 37.64 -4.17
LAB*LAB	50.0 37.86 353.66
relative CIELAB lab*	
lab*lab	0.445 0.454 -0.208
lab*ch	0.445 0.454 -0.208
lab*nch	0.0 0.5 0.982
relative Natural Colour (NC)	
lab*lab	0.445 0.454 -0.208
lab*ch	0.445 0.454 -0.208
lab*nch	0.0 0.5 0.982

relative Inform. Technology (IT)	
olv3*	0.5 0.0 0.5 (1.0)
olv4*	0.5 0.0 0.5 (0.0)
olv5*	1.0 0.5 0.5 (0.0)
olv6*	0.0 0.5 0.0 (0.0)
cmyn3*	0.0 0.5 0.0 (0.0)
cmyn4*	0.0 0.5 0.0 (0.0)
LAB*LAB	33.07 37.84 -3.32
LAB*LAB	33.07 37.63 -4.17
LAB*LAB	25.01 37.86 353.66
relative CIELAB lab*	
lab*lab	0.195 0.497 -0.054
lab*ch	0.25 0.5 0.982
lab*nch	0.0 0.5 0.982
relative Natural Colour (NC)	
lab*lab	0.195 0.454 -0.208
lab*ch	0.25 0.5 0.982
lab*nch	0.0 0.5 0.982

 $n^* = 0.25$

0.25

0.50

0.75

1.00

relative Buntheit c^*

0.25

0.50

0.75

1.00

relative Buntheit c^*

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 330/360 = 0.917$ lab^*ch und lab^*nch

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

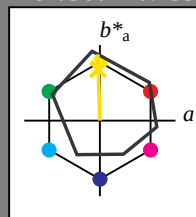
lab^*ch und lab^*nch

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 47.5
LAB*LAB 95.41 0.0 0.0
LAB*LAB 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*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*LAB 76.06 0.0 0.0
LAB*LAB 76.06 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*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* 0.5 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 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 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*trj 0.5 0.0 0.0
lab*trc 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 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 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*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 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

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* 1.0 0.951 0.5 (1.0)
cmyn3* 0.0 0.049 0.5 (0.0)
olv4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 93.1 -1.64 26.52
LAB*LAB 93.1 -0.7 21.92
LAB*LAB 93.1 21.93 91.85

relative CIELAB lab*
lab*lab 0.94 -0.015 0.5
lab*ch 0.75 0.5 0.255
lab*nch 0.0 0.5 0.255
relative Natural Colour (NC)
lab*trj 0.94 0.0 0.5
lab*trc 0.75 0.5 0.255
lab*ncc 0.0 0.5 0.255

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 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -1.27 25.22
LAB*LAB 73.75 -0.69 21.92
LAB*LAB 73.75 21.93 91.84

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.625 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.25
lab*trc 0.625 0.25 0.255
lab*ncc 0.0 0.25 0.255

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 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 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*trj 0.5 0.0 0.0
lab*trc 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 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 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*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 1.0 0.926 0.25 (1.0)
cmyn3* 0.0 0.074 0.25 (0.0)
olv4* 1.0 0.926 0.25 (1.0)
cmyn4* 0.0 0.074 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 88.49 -2.96 70.05
LAB*LAB 88.49 -2.1 65.76
LAB*LAB 88.49 65.79 91.84

relative CIELAB lab*
lab*lab 0.91 -0.023 0.75
lab*ch 0.625 0.75 0.255
lab*nch 0.0 0.75 0.255
relative Natural Colour (NC)
lab*trj 0.91 0.0 0.75
lab*trc 0.625 0.75 0.255
lab*ncc 0.0 0.75 0.255

relative Inform. Technology (IT)
olv3* 0.75 0.675 0.0 (1.0)
cmyn3* 0.25 0.299 0.75 (0.0)
olv4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.45 -1.92 46.98
LAB*LAB 71.45 -1.4 43.84
LAB*LAB 71.45 43.86 91.84

relative CIELAB lab*
lab*lab 0.69 -0.015 0.5
lab*ch 0.5 0.5 0.255
lab*nch 0.0 0.5 0.255
relative Natural Colour (NC)
lab*trj 0.69 0.0 0.5
lab*trc 0.5 0.5 0.255
lab*ncc 0.0 0.5 0.255

relative Inform. Technology (IT)
olv3* 0.5 0.451 0.0 (1.0)
cmyn3* 0.5 0.549 1.0 (0.0)
olv4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.1 -1.39 43.83
LAB*LAB 52.1 -1.39 43.83
LAB*LAB 52.1 43.86 91.84

relative CIELAB lab*
lab*lab 0.44 -0.015 0.5
lab*ch 0.25 0.5 0.255
lab*nch 0.0 0.5 0.255
relative Natural Colour (NC)
lab*trj 0.44 0.0 0.5
lab*trc 0.25 0.5 0.255
lab*ncc 0.0 0.5 0.255

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 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 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*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.00$

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

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

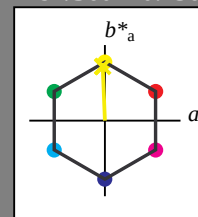
lab^*ch und lab^*nch

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*LAB 95.41 0.0 0.0
LAB*LAB 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*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*LAB 76.07 0.0 0.0
LAB*LAB 76.07 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*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* 0.5 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 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 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*trj 0.5 0.0 0.0
lab*trc 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 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 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*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*LAB 18.03 0.0 0.0
LAB*LAB 18.03 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

%Regularität

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

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

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*LAB 85.73 -0.75 18.91
LAB*LAB 85.73 18.92 92.29

relative CIELAB lab*
lab*lab 0.989 0.0 0.25
lab*ch 0.875 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.989 0.0 0.25
lab*trc 0.875 0.25 0.256
lab*ncc 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.729 0.75 0.5 (1.0)
cmyn3* 0.261 0.25 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 66.39 -0.75 18.91
LAB*LAB 66.39 -0.75 18.91
LAB*LAB 66.39 18.92 92.31

relative CIELAB lab*
lab*lab 0.729 0.5 0.25
lab*ch 0.625 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.729 0.0 0.25
lab*trc 0.625 0.25 0.256
lab*ncc 0.0 0.25 0.256

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 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 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*trj 0.5 0.0 0.0
lab*trc 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 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 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*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*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0

$n^* = 0.00$

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* 0.977 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 -0.61 3.44
LAB*LAB 76.06 -1.51 37.81
LAB*LAB 76.06 37.84 92.3

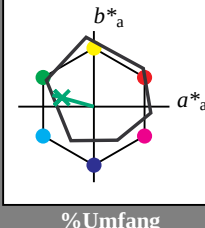
relative CIELAB lab*
lab*lab 0.75 0.5 0.256
lab*ch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.5
lab*trc 0.75 0.5 0.256
lab*ncc 0.0 0.5 0.256

relative Inform. Technology (IT)
olv3* 0.727 0.75 0.25 (1.0)
cmyn3* 0.273 0.25 0.75 (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 56.71 -1.52

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 53 57 164
olv*Ma: 0.0 1.0 0.25

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 47.5
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* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olv4* 0.75 1.0 0.812 (1.0)
cmyn4* 0.25 0.0 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.48 7.85
LAB*LABa 84.75 -13.69 3.81
LAB*LABb 84.75 14.22 164.46

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olv4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.5 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.98 10.94
LAB*LABa 74.1 -27.4 7.62
LAB*LABb 74.1 28.45 164.46

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.246 (1.0)
cmyn3* 0.25 0.0 0.246 (0.0)
olv4* 0.25 1.0 0.246 (1.0)
cmyn4* 0.25 0.0 0.246 (0.0)
standard and adapted CIELAB
LAB*LAB 64.5 -48.1 13.4
LAB*LABa 64.5 -47.5 0.457
LAB*LABb 64.5 0.457 164.46

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.1 -54.1 0.0
LAB*LABa 54.1 -54.1 0.0
LAB*LABb 54.1 0.0 164.46

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.188 (1.0)
cmyn3* 0.0 0.25 0.188 (0.0)
olv4* 0.0 0.75 0.188 (1.0)
cmyn4* 0.0 0.25 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 44.1 -44.1 0.0
LAB*LABa 44.1 -44.1 0.0
LAB*LABb 44.1 0.0 164.46

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.125 (1.0)
cmyn3* 0.0 0.5 0.125 (0.0)
olv4* 0.0 0.5 0.125 (1.0)
cmyn4* 0.0 0.5 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 34.1 -34.1 0.0
LAB*LABa 34.1 -34.1 0.0
LAB*LABb 34.1 0.0 164.46

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.062 (1.0)
cmyn3* 0.0 0.25 0.062 (0.0)
olv4* 0.0 0.25 0.062 (1.0)
cmyn4* 0.0 0.25 0.062 (0.0)
standard and adapted CIELAB
LAB*LAB 24.1 -24.1 0.0
LAB*LABa 24.1 -24.1 0.0
LAB*LABb 24.1 0.0 164.46

relative Inform. Technology (IT)
olv3* 0.0 0.125 0.031 (1.0)
cmyn3* 0.0 0.125 0.031 (0.0)
olv4* 0.0 0.125 0.031 (1.0)
cmyn4* 0.0 0.125 0.031 (0.0)
standard and adapted CIELAB
LAB*LAB 14.1 -14.1 0.0
LAB*LABa 14.1 -14.1 0.0
LAB*LABb 14.1 0.0 164.46

relative Inform. Technology (IT)
olv3* 0.0 0.062 0.016 (1.0)
cmyn3* 0.0 0.062 0.016 (0.0)
olv4* 0.0 0.062 0.016 (1.0)
cmyn4* 0.0 0.062 0.016 (0.0)
standard and adapted CIELAB
LAB*LAB 7.0 -7.0 0.0
LAB*LABa 7.0 -7.0 0.0
LAB*LABb 7.0 0.0 164.46

relative Inform. Technology (IT)
olv3* 0.0 0.031 0.008 (1.0)
cmyn3* 0.0 0.031 0.008 (0.0)
olv4* 0.0 0.031 0.008 (1.0)
cmyn4* 0.0 0.031 0.008 (0.0)
standard and adapted CIELAB
LAB*LAB 3.5 -3.5 0.0
LAB*LABa 3.5 -3.5 0.0
LAB*LABb 3.5 0.0 164.46

relative Inform. Technology (IT)
olv3* 0.0 0.016 0.004 (1.0)
cmyn3* 0.0 0.016 0.004 (0.0)
olv4* 0.0 0.016 0.004 (1.0)
cmyn4* 0.0 0.016 0.004 (0.0)
standard and adapted CIELAB
LAB*LAB 1.75 -1.75 0.0
LAB*LABa 1.75 -1.75 0.0
LAB*LABb 1.75 0.0 164.46

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 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.39 -0.25 0.0
LAB*LABa 66.39 0.0 0.0
LAB*LABb 66.39 0.0 0.0
LAB*LABc 66.39 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.125 0.125 0.125 (1.0)
cmyn3* 0.125 0.125 0.125 (0.0)
olv4* 0.125 0.125 0.125 (1.0)
cmyn4* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 -0.16 1.62
LAB*LABa 47.04 0.0 0.0
LAB*LABb 47.04 0.0 0.0
LAB*LABc 47.04 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.062 0.062 0.062 (1.0)
cmyn3* 0.062 0.062 0.062 (0.0)
olv4* 0.062 0.062 0.062 (1.0)
cmyn4* 0.062 0.062 0.062 (0.0)
standard and adapted CIELAB
LAB*LAB 23.52 -0.08 0.81
LAB*LABa 23.52 0.0 0.0
LAB*LABb 23.52 0.0 0.0
LAB*LABc 23.52 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.031 0.031 0.031 (1.0)
cmyn3* 0.031 0.031 0.031 (0.0)
olv4* 0.031 0.031 0.031 (1.0)
cmyn4* 0.031 0.031 0.031 (0.0)
standard and adapted CIELAB
LAB*LAB 11.76 -0.04 0.41
LAB*LABa 11.76 0.0 0.0
LAB*LABb 11.76 0.0 0.0
LAB*LABc 11.76 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.016 0.016 0.016 (1.0)
cmyn3* 0.016 0.016 0.016 (0.0)
olv4* 0.016 0.016 0.016 (1.0)
cmyn4* 0.016 0.016 0.016 (0.0)
standard and adapted CIELAB
LAB*LAB 5.88 -0.02 0.21
LAB*LABa 5.88 0.0 0.0
LAB*LABb 5.88 0.0 0.0
LAB*LABc 5.88 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.008 0.008 0.008 (1.0)
cmyn3* 0.008 0.008 0.008 (0.0)
olv4* 0.008 0.008 0.008 (1.0)
cmyn4* 0.008 0.008 0.008 (0.0)
standard and adapted CIELAB
LAB*LAB 2.94 -0.01 0.11
LAB*LABa 2.94 0.0 0.0
LAB*LABb 2.94 0.0 0.0
LAB*LABc 2.94 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.004 0.004 0.004 (1.0)
cmyn3* 0.004 0.004 0.004 (0.0)
olv4* 0.004 0.004 0.004 (1.0)
cmyn4* 0.004 0.004 0.004 (0.0)
standard and adapted CIELAB
LAB*LAB 1.47 -0.005 0.055
LAB*LABa 1.47 0.0 0.0
LAB*LABb 1.47 0.0 0.0
LAB*LABc 1.47 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.002 0.002 0.002 (1.0)
cmyn3* 0.002 0.002 0.002 (0.0)
olv4* 0.002 0.002 0.002 (1.0)
cmyn4* 0.002 0.002 0.002 (0.0)
standard and adapted CIELAB
LAB*LAB 0.735 -0.0025 0.0275
LAB*LABa 0.735 0.0 0.0
LAB*LABb 0.735 0.0 0.0
LAB*LABc 0.735 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.001 0.001 0.001 (1.0)
cmyn3* 0.001 0.001 0.001 (0.0)
olv4* 0.001 0.001 0.001 (1.0)
cmyn4* 0.001 0.001 0.001 (0.0)
standard and adapted CIELAB
LAB*LAB 0.3675 -0.00125 0.01375
LAB*LABa 0.3675 0.0 0.0
LAB*LABb 0.3675 0.0 0.0
LAB*LABc 0.3675 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0005 0.0005 0.0005 (1.0)
cmyn3* 0.0005 0.0005 0.0005 (0.0)
olv4* 0.0005 0.0005 0.0005 (1.0)
cmyn4* 0.0005 0.0005 0.0005 (0.0)
standard and adapted CIELAB
LAB*LAB 0.18375 -0.000625 0.006875
LAB*LABa 0.18375 0.0 0.0
LAB*LABb 0.18375 0.0 0.0
LAB*LABc 0.18375 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.39 -0.25 0.0
LAB*LABa 66.39 0.0 0.0
LAB*LABb 66.39 0.0 0.0
LAB*LABc 66.39 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.125 0.125 0.125 (1.0)
cmyn3* 0.125 0.125 0.125 (0.0)
olv4* 0.125 0.125 0.125 (1.0)
cmyn4* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 -0.16 1.62
LAB*LABa 47.04 0.0 0.0
LAB*LABb 47.04 0.0 0.0
LAB*LABc 47.04 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.062 0.062 0.062 (1.0)
cmyn3* 0.062 0.062 0.062 (0.0)
olv4* 0.062 0.062 0.062 (1.0)
cmyn4* 0.062 0.062 0.062 (0.0)
standard and adapted CIELAB
LAB*LAB 23.52 -0.08 0.81
LAB*LABa 23.52 0.0 0.0
LAB*LABb 23.52 0.0 0.0
LAB*LABc 23.52 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.031 0.031 0.031 (1.0)
cmyn3* 0.031 0.031 0.031 (0.0)
olv4* 0.031 0.031 0.031 (1.0)
cmyn4* 0.031 0.031 0.031 (0.0)
standard and adapted CIELAB
LAB*LAB 11.76 -0.04 0.41
LAB*LABa 11.76 0.0 0.0
LAB*LABb 11.76 0.0 0.0
LAB*LABc 11.76 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.016 0.016 0.016 (1.0)
cmyn3* 0.016 0.016 0.016 (0.0)
olv4* 0.016 0.016 0.016 (1.0)
cmyn4* 0.016 0.016 0.016 (0.0)
standard and adapted CIELAB
LAB*LAB 5.88 -0.02 0.21
LAB*LABa 5.88 0.0 0.0
LAB*LABb 5.88 0.0 0.0
LAB*LABc 5.88 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.008 0.008 0.008 (1.0)
cmyn3* 0.008 0.008 0.008 (0.0)
olv4* 0.008 0.008 0.008 (1.0)
cmyn4* 0.008 0.008 0.008 (0.0)
standard and adapted CIELAB
LAB*LAB 2.94 -0.01 0.11
LAB*LABa 2.94 0.0 0.0
LAB*LABb 2.94 0.0 0.0
LAB*LABc 2.94 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.004 0.004 0.004 (1.0)
cmyn3* 0.004 0.004 0.004 (0.0)
olv4* 0.004 0.004 0.004 (1.0)
cmyn4* 0.004 0.004 0.004 (0.0)
standard and adapted CIELAB
LAB*LAB 1.47 -0.005 0.055
LAB*LABa 1.47 0.0 0.0
LAB*LABb 1.47 0.0 0.0
LAB*LABc 1.47 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.002 0.002 0.002 (1.0)
cmyn3* 0.002 0.002 0.002 (0.0)
olv4* 0.002 0.002 0.002 (1.0)
cmyn4* 0.002 0.002 0.002 (0.0)
standard and adapted CIELAB
LAB*LAB 0.735 -0.0025 0.0275
LAB*LABa 0.735 0.0 0.0
LAB*LABb 0.735 0.0 0.0
LAB*LABc 0.735 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.001 0.001 0.001 (1.0)
cmyn3* 0.001 0.001 0.001 (0.0)
olv4* 0.001 0.001 0.001 (1.0)
cmyn4* 0.001 0.001 0.001 (0.0)
standard and adapted CIELAB
LAB*LAB 0.3675 -0.00125 0.01375
LAB*LABa 0.3675 0.0 0.0
LAB*LABb 0.3675 0.0 0.0
LAB*LABc 0.3675 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0005 0.0005 0.0005 (1.0)
cmyn3* 0.0005 0.0005 0.0005 (0.0)
olv4* 0.0005 0.0005 0.0005 (1.0)
cmyn4* 0.0005 0.0005 0.0005 (0.0)
standard and adapted CIELAB
LAB*LAB 0.18375 -0.000625 0.006875
LAB*LABa 0.18375 0.0 0.0
LAB*LABb 0.18375 0.0 0.0
LAB*LABc 0.18375 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.00025 0.00025 0.00025 (1.0)
cmyn3* 0.00025 0.00025 0.00025 (0.0)
olv4* 0.00025 0.00025 0.00025 (1.0)
cmyn4* 0.00025 0.00025 0.00025 (0.0)
standard and adapted CIELAB
LAB*LAB 0.091875 -0.0003125 0.0034375
LAB*LABa 0.091875 0.0 0.0
LAB*LABb 0.091875 0.0 0.0
LAB*LABc 0.091875 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* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.125 0.125 0.125 (1.0)
cmyn3* 0.625 0.625 0.625 (0.0)
olv4* 0.625 0.625 0.625 (1.0)
cmyn4* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 -0.16 1.62
LAB*LABa 47.04 0.0 0.0
LAB*LABb 47.04 0.0 0.0
LAB*LABc 47.04 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.062 0.062 0.062 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.062 0.062 0.062 (0.0)
standard and adapted CIELAB
LAB*LAB 37.5 -37.5 0.0
LAB*LABa 37.5 0.0 0.0
LAB*LABb 37.5 0.0 0.0
LAB*LABc 37.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.031 0.031 0.031 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.031 0.031 0.031 (0.0)
standard and adapted CIELAB
LAB*LAB 28.45 -28.45 0.0
LAB*LABa 28.45 0.0 0.0
LAB*LABb 28.45 0.0 0.0
LAB*LABc 28.45 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.016 0.016 0.016 (1.0)
cmyn3* 0.125 0.125 0.125 (0.0)
olv4* 0.125 0.125 0.125 (1.0)
cmyn4* 0.016 0.016 0.016 (0.0)
standard and adapted CIELAB
LAB*LAB 19.225 -19.225 0.0
LAB*LABa 19.225 0.0 0.0
LAB*LABb 19.225 0.0 0.0
LAB*LABc 19.225 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.008 0.008 0.008 (1.0)
cmyn3* 0.062 0.062 0.062 (0.0)
olv4* 0.062 0.062 0.062 (1.0)
cmyn4* 0.008 0.008 0.008 (0.0)
standard and adapted CIELAB
LAB*LAB 10.125 -10.125 0.0
LAB*LABa 10.125 0.0 0.0
LAB*LABb 10.125 0.0 0.0
LAB*LABc 10.125 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.004 0.004 0.004 (1.0)
cmyn3* 0.031 0.031 0.031 (0.0)
olv4* 0.031 0.031 0.031 (1.0)
cmyn4* 0.004 0.004 0.004 (0.0)
standard and adapted CIELAB
LAB*LAB 5.0625 -5.0625 0.0
LAB*LABa 5.0625 0.0 0.0
LAB*LABb 5.0625 0.0 0.0
LAB*LABc 5.0625 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.002 0.002 0.002 (1.0)
cmyn3* 0.015 0.015 0.015 (0.0)
olv4* 0.015 0.015 0.015 (1.0)
cmyn4* 0.002 0.002 0.002 (0.0)
standard and adapted CIELAB
LAB*LAB 2.53125 -2.53125 0.0
LAB*LABa 2.53125 0.0 0.0
LAB*LABb 2.53125 0.0 0.0
LAB*LABc 2.53125 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.001 0.001 0.001 (1.0)
cmyn3* 0.0075 0.0075 0.0075 (0.0)
olv4* 0.0075 0.0075 0.0075 (1.0)
cmyn4* 0.001 0.001 0.001 (0.0)
standard and adapted CIELAB
LAB*LAB 1.265625 -1.265625 0.0
LAB*LABa 1.265625 0.0 0.0
LAB*LABb 1.265625 0.0 0.0
LAB*LABc 1.265625 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0005 0.0005 0.0005 (1.0)
cmyn3* 0.00375 0.00375 0.00375 (0.0)
olv4* 0.00375 0.00375 0.00375 (1.0)
cmyn4* 0.0005 0.0005 0.0005 (0.0)
standard and adapted CIELAB
LAB*LAB 0.6328125 -0.6328125 0.0
LAB*LABa 0.6328125 0.0 0.0
LAB*LABb 0.6328125 0.0 0.0
LAB*LABc 0.6328125 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.00025 0.00025 0.00025 (1.0)
cmyn3* 0.001875 0.001875 0.001875 (0.0)
olv4* 0.001875 0.001875 0.001875 (1.0)
cmyn4* 0.00025 0.00025 0.00025 (0.0)
standard and adapted CIELAB
LAB*LAB 0.31640625 -0.31640625 0.0
LAB*LABa 0.31640625 0.0 0.0
LAB*LABb 0.31640625 0.0 0.0
LAB*LABc 0.31640625 0.0 0.0

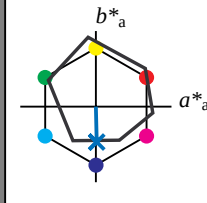
relative Inform. Technology (IT)
olv3* 0.000125 0.000125 0.000125 (1.0)
cmyn3* 0.0009375 0.0009375 0.0009375 (0.0)
olv4* 0.0009375 0.0009375 0.0009375 (1.0)
cmyn4* 0.000125 0.000125 0.000125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.158203125 -0.158203125 0.0
LAB*LABa 0.158203125 0.0 0.0
LAB*LABb 0.158203125 0.0 0.0
LAB*LABc 0.158203125 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* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

D65: Buntton B
LCH*Ma: 42 45 271
olv*Ma: 0.0 0.49 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 0.0 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 76.06 -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*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* 0.5 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 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 0.01 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*trj 0.5 0.0 0.0
lab*trc 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 (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 37.36 -0.83 0.83
LAB*LABa 37.36 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 18.02 0.47 0.47
LAB*LABa 18.02 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

$n^* = 1.0$

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* 0.5 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 68.06 -0.07 -19.39
LAB*LABa 68.06 0.0 0.0
LAB*LABb 75.00 22.36 27.14

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*trj 0.5 0.0 0.0
lab*trc 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 49.25 0.45 -20.7
LAB*LABa 49.25 0.0 0.0
LAB*LABb 50.00 22.36 27.14

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 29.9 0.5 -22.34
LAB*LABa 29.9 0.0 0.0
LAB*LABb 25.01 22.36 27.14

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

$n^* = 0.50$

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 55.19 0.61 -31.48
LAB*LABa 55.19 0.0 0.0
LAB*LABb 62.5 33.54 27.14

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 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 41.79 1.1 -44.69
LAB*LABa 41.79 0.0 0.0
LAB*LABb 50.00 44.71 27.14

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

$n^* = 0.00$

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 27.14 0.0 0.0
LAB*LABa 27.14 0.0 0.0
LAB*LABb 25.00 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

$n^* = 0.25$

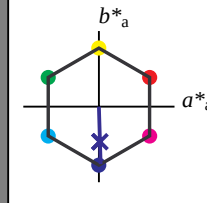
relative Buntheit c^*

$n^* = 1.0$

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18 für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*ch und lab^*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 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* 0.5 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 56.72 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*ch 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*trc 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 37.37 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

$n^* = 1.0$

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}	90.37	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* 0.517 0.5 1.0 (1.0)
cmyn3* 0.483 0.5 0.0 (0.0)
olv4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 1.15 -38.02
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 38.04 27.14

relative CIELAB lab*
lab*lab 0.517 0.0 0.0
lab*ch 0.517 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.517 0.0 0.0
lab*trc 0.517 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olv4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 1.15 -38.02
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 38.05 27.14

relative CIELAB lab*
lab*lab 0.267 0.0 0.0
lab*ch 0.267 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.267 0.0 0.0
lab*trc 0.267 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 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 27.14 0.0 0.0
LAB*LABa 27.14 0.0 0.0
LAB*LABb 25.00 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

$n^* = 0.00$

relative Buntheit c^*

$n^* = 1.0$

OG520-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

BAM-Prüfvorlage OG52; Farbmetrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*
D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöneinput: *Startup (S) data dependend*