

-8-

Eingabe: Farbmetrisches Reflexions-System ORS18

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

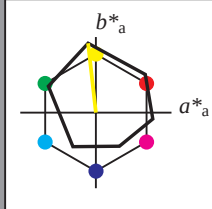
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 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 -0.97 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)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 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 -0.6 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)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 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 -0.23 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)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 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 0.13 0.63
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)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 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 0.46
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

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 94.14 -3.51 27.61
LAB*LABa 94.14 -2.56 22.93
LAB*LABb 97.50 23.08 96.39
relative CIELAB lab*
lab*lab 0.984 -0.027 0.248
lab*ch 0.875 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.984 -0.024 0.249
lab*trc 0.875 0.25 0.268
lab*ncc 0.0 0.25 0.268

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 74.8 -3.14 26.31
LAB*LABa 74.8 -2.56 22.94
LAB*LABb 62.5 23.09 96.39
relative CIELAB lab*
lab*lab 0.734 -0.024 0.249
lab*ch 0.625 0.25 0.266
lab*nch 0.0 0.25 0.266

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 55.45 -2.77 25.0
LAB*LABa 55.45 -2.56 22.94
LAB*LABb 37.5 23.09 96.39
relative CIELAB lab*
lab*lab 0.484 -0.027 0.248
lab*ch 0.375 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.484 -0.024 0.249
lab*trc 0.375 0.25 0.266
lab*ncc 0.0 0.25 0.266

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.75 0.75 1.0 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 41.9 0.24 23.69
LAB*LABa 36.1 -2.56 22.93
LAB*LABb 12.5 23.08 96.39
relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.234 -0.024 0.249
lab*trc 0.125 0.25 0.266
lab*ncc 0.0 0.25 0.266

$n^* = 0.50$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.88 -6.06 50.46
LAB*LABa 92.88 -5.13 45.87
LAB*LABb 75.0 46.16 96.39
relative CIELAB lab*
lab*lab 0.967 -0.055 0.497
lab*ch 0.75 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*trj 0.967 -0.048 0.497
lab*trc 0.75 0.5 0.266
lab*ncc 0.0 0.5 0.266

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.54 -5.69 49.17
LAB*LABa 73.54 -5.13 45.88
LAB*LABb 50.0 46.17 96.39
relative CIELAB lab*
lab*lab 0.717 -0.055 0.497
lab*ch 0.5 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*trj 0.717 -0.048 0.498
lab*trc 0.5 0.5 0.266
lab*ncc 0.0 0.5 0.266

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.19 -5.13 45.87
LAB*LABa 54.19 -5.13 45.87
LAB*LABb 25.01 46.16 96.39
relative CIELAB lab*
lab*lab 0.467 -0.055 0.497
lab*ch 0.25 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*trj 0.467 -0.048 0.497
lab*trc 0.25 0.5 0.266
lab*ncc 0.0 0.5 0.266

$n^* = 0.25$

$n^* = 0.00$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 91.62 -8.6 73.32
LAB*LABa 91.62 -7.7 68.82
LAB*LABb 62.5 69.25 96.39
relative CIELAB lab*
lab*lab 0.951 -0.073 0.746
lab*ch 0.625 0.75 0.266
lab*nch 0.0 0.75 0.266
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.266

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 1.0 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.37 -10.26 91.75
LAB*LABa 90.37 -10.26 91.75
LAB*LABb 50.0 92.32 96.39
relative CIELAB lab*
lab*lab 0.938 -0.11 0.994
lab*ch 0.5 1.0 0.268
lab*nch 0.0 1.0 0.268
relative Natural Colour (NC)
lab*trj 0.938 -0.097 0.995
lab*trc 0.5 1.0 0.266
lab*ncc 0.0 1.0 0.266

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$

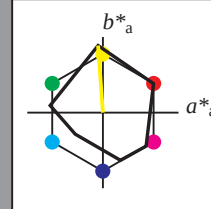
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 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 -0.97 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)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 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)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 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)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.63
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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 74.8 -3.14 26.31
LAB*LABa 74.8 -2.56 22.94
LAB*LABb 62.5 23.09 96.39
relative CIELAB lab*
lab*lab 0.734 -0.024 0.249
lab*ch 0.625 0.25 0.266
lab*nch 0.0 0.25 0.266

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 55.45 -2.77 25.0
LAB*LABa 55.45 -2.56 22.94
LAB*LABb 37.5 23.09 96.39
relative CIELAB lab*
lab*lab 0.484 -0.027 0.248
lab*ch 0.375 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.484 -0.024 0.249
lab*trc 0.375 0.25 0.266
lab*ncc 0.0 0.25 0.266

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.75 0.75 1.0 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 41.9 0.24 23.69
LAB*LABa 36.1 -2.56 22.93
LAB*LABb 12.5 23.08 96.39
relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.234 -0.024 0.249
lab*trc 0.125 0.25 0.266
lab*ncc 0.0 0.25 0.266

$n^* = 0.00$

$n^* = 0.25$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.7 -3.74 47.67
LAB*LABa 73.7 -3.17 44.38
LAB*LABb 50.0 44.49 94.1
relative CIELAB lab*
lab*lab 0.725 -0.011 0.25
lab*ch 0.625 0.75 0.258
lab*nch 0.0 0.75 0.258

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.53 -1.8 24.26
LAB*LABa 55.53 -1.59 22.19
LAB*LABb 37.5 22.24 94.1
relative CIELAB lab*
lab*lab 0.485 -0.017 0.249
lab*ch 0.375 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.485 -0.011 0.25
lab*trc 0.375 0.25 0.258
lab*ncc 0.0 0.25 0.258

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.75 0.75 1.0 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 41.9 0.24 23.69
LAB*LABa 36.1 -2.56 22.93
LAB*LABb 12.5 23.08 96.39
relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.234 -0.024 0.249
lab*trc 0.125 0.25 0.266
lab*ncc 0.0 0.25 0.266

$n^* = 0.00$

$n^* = 0.25$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 1.0 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.53 -5.31 69.77
LAB*LABa 72.53 -4.77 66.55
LAB*LABb 50.0 66.73 94.1
relative CIELAB lab*
lab*lab 0.704 -0.036 0.749
lab*ch 0.375 0.75 0.261
lab*nch 0.0 0.75 0.261
relative Natural Colour (NC)
lab*trj 0.704 -0.036 0.749
lab*trc 0.375 0.75 0.258
lab*ncc 0.0 0.75 0.258

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.35 -3.17 44.37
LAB*LABa 54.35 -3.17 44.37
LAB*LABb 25.01 44.48 94.1
relative CIELAB lab*
lab*lab 0.47 -0.035 0.499
lab*ch 0.25 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.47 -0.035 0.499
lab*trc 0.25 0.5 0.258
lab*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.75 0.75 1.0 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 41.9 0.24 23.69
LAB*LABa 36.1 -2.56 22.93
LAB*LABb 12.5 23.08 96.39
relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.234 -0.024 0.249
lab*trc 0.125 0.25 0.266
lab*ncc 0.0 0.25 0.266

$n^* = 0.00$

$n^* = 0.25$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.53 -5.31 69.77
LAB*LABa 72.53 -4.77 66.55
LAB*LABb 50.0 66.73 94.1
relative CIELAB lab*
lab*lab 0.

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG50/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIEXYZ

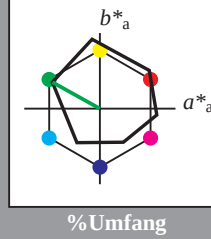
Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 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 -0.97 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*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)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 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 -0.6 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*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)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 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 -0.23 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*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)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 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 -0.3 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*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)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 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 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 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 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	L*	a*	b*	C* _{ab,a}	h* _{ab,a}
QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.15 -31.94 20.73
LAB*LABa 73.15 -31.94 20.73
LAB*LABb 73.15 -31.94 20.73
LAB*LABc 73.15 -31.94 20.73

relative CIELAB lab*
lab*lab 0.712 -0.436 0.243
lab*ch 0.712 -0.436 0.243
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.712 -0.436 0.243
lab*trc 0.712 -0.436 0.243
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.8 -31.57 19.42
LAB*LABa 53.8 -31.57 19.42
LAB*LABb 53.8 -31.57 19.42
LAB*LABc 53.8 -31.57 19.42

relative CIELAB lab*
lab*lab 0.462 -0.478 0.144
lab*ch 0.462 -0.478 0.144
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.462 -0.478 0.144
lab*trc 0.462 -0.478 0.144
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.46 -31.57 19.42
LAB*LABa 34.46 -31.57 19.42
LAB*LABb 34.46 -31.57 19.42
LAB*LABc 34.46 -31.57 19.42

relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*ch 0.213 -0.436 0.243
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.213 -0.436 0.243
lab*trc 0.213 -0.436 0.243
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 26.24 -15.68 8.73
LAB*LABa 26.24 -15.68 8.73
LAB*LABb 26.24 -15.68 8.73
LAB*LABc 26.24 -15.68 8.73

relative CIELAB lab*
lab*lab 0.106 -0.217 0.122
lab*ch 0.106 -0.217 0.122
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.106 -0.217 0.122
lab*trc 0.106 -0.217 0.122
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

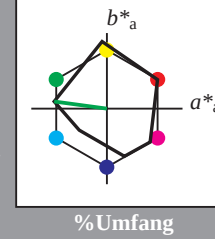
Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 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 -0.97 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*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)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 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 -0.6 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 0.86 -0.247 0.034
lab*ch 0.86 -0.247 0.034
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.86 -0.247 0.034
lab*trc 0.86 -0.247 0.034
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 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 0.51 -0.247 0.034
lab*ch 0.51 -0.247 0.034
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.51 -0.247 0.034
lab*trc 0.51 -0.247 0.034
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.3 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*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)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

MRS18; adaptierte CIELAB-Daten

	L*	a*	b*	C* _{ab,a}	h* _{ab,a}
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.15 -31.94 20.73
LAB*LABa 73.15 -31.94 20.73
LAB*LABb 73.15 -31.94 20.73
LAB*LABc 73.15 -31.94 20.73

relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*ch 0.72 -0.494 0.067
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.72 -0.494 0.067
lab*trc 0.72 -0.494 0.067
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LABa 54.41 -35.05 6.71
LAB*LABb 54.41 -35.05 6.71
LAB*LABc 54.41 -35.05 6.71

relative CIELAB lab*
lab*lab 0.47 -0.496 -0.056
lab*ch 0.47 -0.496 -0.056
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.47 -0.496 -0.056
lab*trc 0.47 -0.496 -0.056
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -32.27 8.34
LAB*LABa 35.06 -32.27 8.34
LAB*LABb 35.06 -32.27 8.34
LAB*LABc 35.06 -32.27 8.34

relative CIELAB lab*
lab*lab 0.33 -0.744 0.085
lab*ch 0.33 -0.744 0.085
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.33 -0.744 0.085
lab*trc 0.33 -0.744 0.085
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.3 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*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)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

Eingabe: Farbmatisches Reflexions-System ORS18

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

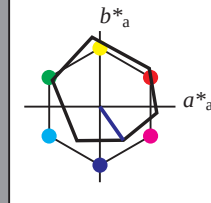
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.97	4.75	
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	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)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	77.98	7.13	-7.51	
LAB*LAB	77.98	7.77	-11.09	
LAB*TCa	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*trj	0.775	0.112	-0.222
lab*trc	0.875	0.25	0.824
lab*ncc	0.0	0.25	0.824

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.71	-0.23	2.14	
LAB*LAB	56.71	0.0	0.0	
LAB*TCa	50.0	0.01		

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*ch	0.5	0.0	0.0
lab*nch	0.0	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)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	37.36	0.3	0.63	
LAB*LAB	37.36	0.0	0.0	
LAB*TCa	25.0	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	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)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
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	0.0
lab*nch	0.0	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	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
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	0.0
lab*nch	0.0	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	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
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	0.0
lab*nch	0.0	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	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
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	0.0
lab*nch	0.0	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	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
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	0.0
lab*nch	0.0	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	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
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	0.0
lab*nch	0.0	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	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
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	0.0
lab*nch	0.0	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	0.0	0.0	0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	60.56	15.24	-19.79	
LAB*LAB	60.56	15.55	-22.2	
LAB*TCa	75.0	27.11	305.0	

relative CIELAB lab*

lab*lab	0.5	0.287	-0.408
lab*ch	0.75	0.5	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.5	0.225	-0.446
lab*trc	0.75	0.5	0.824
lab*ncc	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	41.21	15.35	-22.21	
LAB*LAB	41.21	15.35	-22.21	
LAB*TCa	50.0	27.12	305.0	

relative CIELAB lab*

lab*lab	0.25	0.287	-0.408
lab*ch	0.375	0.5	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.25	0.225	-0.446
lab*trc	0.375	0.5	0.824
lab*ncc	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	21.87	15.35	-22.2	
LAB*LAB	21.87	15.35	-22.2	
LAB*TCa	25.01	27.11	305.0	

relative CIELAB lab*

lab*lab	0.0	0.287	-0.408
lab*ch	0.25	0.5	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.0	0.225	-0.446
lab*trc	0.25	0.5	0.824
lab*ncc	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	19.94	15.35	-22.2	
LAB*LAB	19.94	15.35	-22.2	
LAB*TCa	25.01	27.11	305.0	

relative CIELAB lab*

lab*lab	0.0	0.287	-0.408
lab*ch	0.25	0.5	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.0	0.225	-0.446
lab*trc	0.25	0.5	0.824
lab*ncc	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	19.94	15.35	-22.2	
LAB*LAB	19.94	15.35	-22.2	
LAB*TCa	25.01	27.11	305.0	

relative CIELAB lab*

lab*lab	0.0	0.287	-0.408
lab*ch	0.25	0.5	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.0	0.225	-0.446
lab*trc	0.25	0.5	0.824
lab*ncc	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	19.94	15.35	-22.2	
LAB*LAB	19.94	15.35	-22.2	
LAB*TCa	25.01	27.11	305.0	

relative CIELAB lab*

lab*lab	0.0	0.287	-0.408
lab*ch	0.25	0.5	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.0	0.225	-0.446
lab*trc	0.25	0.5	0.824
lab*ncc	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	19.94	15.35	-22.2	
LAB*LAB	19.94	15.35	-22.2	
LAB*TCa	25.01	27.11	305.0	

relative CIELAB lab*

lab*lab

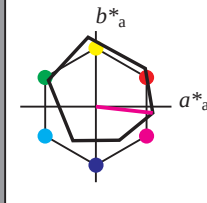
Eingabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.97	4.75	
LAB*Lab	95.41	0.0	0.0	
LAB*TCa	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)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	76.06	-0.6	3.44	
LAB*Lab	76.06	0.0	0.0	
LAB*TCa	75.0	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)

olvi3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.71	-0.23	2.14	
LAB*Lab	56.71	0.0	0.0	
LAB*TCa	50.0	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)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	37.36	0.13	0.63	
LAB*Lab	37.36	0.0	0.0	
LAB*TCa	25.0	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)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*Lab	18.02	0.0	0.0	
LAB*TCa	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	
lab*trc	0.0	0.0	0.0	
lab*ncc	1.0	0.0	0.0	

$n^* = 1.0$

relative Inform. Technology (IT)

olvi3*	1.0	0.75	1.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
LAB*LAB	83.59	18.06	1.87	
LAB*Lab	83.59	18.81	2.08	
LAB*TCa	87.5	18.92	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*trj	0.847	0.227	-0.103	
lab*trc	0.875	0.25	0.932	
lab*ncc	0.0	0.25	0.932	

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
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*TCa	62.5	18.93	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*trj	0.597	0.227	-0.103	
lab*trc	0.625	0.25	0.932	
lab*ncc	0.0	0.25	0.932	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
LAB*LAB	44.89	18.8	-0.73	
LAB*Lab	44.89	18.82	2.08	
LAB*TCa	37.5	18.93	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*trj	0.347	0.227	-0.103	
lab*trc	0.375	0.25	0.932	
lab*ncc	0.0	0.25	0.932	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
LAB*LAB	25.54	19.17	2.04	
LAB*Lab	25.54	18.81	2.08	
LAB*TCa	12.5	18.92	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*trj	0.097	0.227	-0.103	
lab*trc	0.125	0.25	0.932	
lab*ncc	0.0	0.25	0.932	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*Lab	18.02	0.0	0.0	
LAB*TCa	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	

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
LAB*LAB	71.77	37.63	-1.01	
LAB*Lab	71.77	37.63	-1.01	
LAB*TCa	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*trj	0.695	0.454	-0.208	
lab*trc	0.75	0.5	0.932	
lab*ncc	0.0	0.5	0.932	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
LAB*LAB	52.42	37.63	-1.01	
LAB*Lab	52.42	37.63	-1.01	
LAB*TCa	50.0	37.86	353.66	

relative CIELAB lab*

lab*lab	0.445	0.497	-0.054	
lab*ch	0.5	0.5	0.982	
lab*nch	0.0	0.5	0.982	

relative Natural Colour (NC)

lab*trj	0.445	0.454	-0.208	
lab*trc	0.5	0.5	0.932	
lab*ncc	0.0	0.5	0.932	

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
LAB*LAB	33.08	37.63	-1.01	
LAB*Lab	33.08	37.63	-1.01	
LAB*TCa	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*trj	0.195	0.454	-0.208	
lab*trc	0.25	0.5	0.932	
lab*ncc	0.0	0.5	0.932	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
LAB*LAB	25.54	19.17	2.04	
LAB*Lab	25.54	18.81	2.08	
LAB*TCa	12.5	18.92	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*trj	0.097	0.227	-0.103	
lab*trc	0.125	0.25	0.932	
lab*ncc	0.0	0.25	0.932	

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
LAB*LAB	59.95	56.14	-3.9	
LAB*Lab	59.95	56.14	-3.9	
LAB*TCa	62.5	56.79	353.66	

relative CIELAB lab*

lab*lab	0.542	0.745	-0.082	
lab*ch	0.625	0.75	0.982	
lab*nch	0.0	0.75	0.982	

relative Natural Colour (NC)

lab*trj	0.542	0.682	-0.312	
lab*trc	0.625	0.75	0.932	
lab*ncc	0.0	0.75	0.932	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
LAB*LAB	48.14	75.18	-6.78	
LAB*Lab	48.14	75.18	-6.78	
LAB*TCa	50.0	75.71	353.66	

relative CIELAB lab*

lab*lab	0.389	0.994	-0.109	
lab*ch	0.5	1.0	0.982	
lab*nch	0.0	1.0	0.982	

relative Natural Colour (NC)

lab*trj	0.389	0.909	-0.416	
lab*trc	0.5	1.0	0.932	
lab*ncc	0.0	1.0	0.932	

relative Inform. Technology (IT)

olvi3*

o ginnizio di un

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

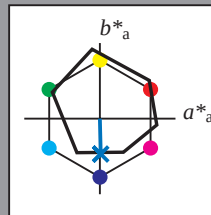
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 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 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 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*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 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 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 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*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 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 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 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*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 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 0.3 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 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*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 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 0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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*nrc 1.0 0.0 0.0

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.59 0.08 -19.4
LAB*LABa 68.59 0.4 -22.35
LAB*TCHa 75.0 22.36 27.14

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*ch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.654 0.0 -0.499
lab*trc 0.75 0.5 0.75
lab*nrc 0.0 0.5 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.494 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (0.75)
cmyn4* 0.25 0.254 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.5 -22.35
LAB*TCHa 50.0 22.37 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.368 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (0.75)
cmyn4* 0.25 0.254 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.5 -22.35
LAB*TCHa 50.0 22.37 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.244 0.5 (0.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (0.75)
cmyn4* 0.25 0.254 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.5 -22.35
LAB*TCHa 50.0 22.37 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.616 1.0 (1.0)
cmyn3* 0.75 0.384 0.0 (0.0)
olvi4* 0.25 0.616 1.0 (1.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.19 0.61 -31.48
LAB*LABa 55.19 0.62 -33.33
LAB*TCHa 62.5 33.55 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.368 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (0.75)
cmyn4* 0.25 0.254 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.5 -22.35
LAB*TCHa 50.0 22.37 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.616 1.0 (1.0)
cmyn3* 0.75 0.384 0.0 (0.0)
olvi4* 0.25 0.616 1.0 (1.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.19 0.61 -31.48
LAB*LABa 55.19 0.62 -33.33
LAB*TCHa 62.5 33.55 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.368 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (0.75)
cmyn4* 0.25 0.254 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.5 -22.35
LAB*TCHa 50.0 22.37 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

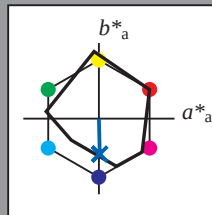
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 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 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 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*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 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 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 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*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 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 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 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*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.494 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (0.75)
cmyn4* 0.25 0.254 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.5 -22.35
LAB*TCHa 50.0 22.37 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.368 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (0.75)
cmyn4* 0.25 0.254 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.5 -22.35
LAB*TCHa 50.0 22.37 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.75
lab*nrc 0.0 0.75 0.996

$n^* = 1.0$

Schwarzheit n^*

relative Buntheit c^*

MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)
olvi3* 0.5 0.52 0.75 (1.0)
cmyn3* 0.5 0.408 0.25 (0.0)
olvi4* 0.75 0.842 1.0 (0.75)
cmyn4* 0.25 0.158 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 81.49 -0.4 -8.75
LAB*LABa 81.49 0.31 12.57
LAB*TCHa 87.5 12.59 27.139

relative CIELAB lab*
lab*lab 0.82 0.006 -0.249
lab*ch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.82 0.0 -0.249
lab*trc 0.875 0.25 0.75
lab*nrc 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.5 0.52 0.75 (1.0)
cmyn3* 0.5 0.408 0.25 (0.0)
olvi4* 0.75 0.842 1.0 (0.75)
cmyn4* 0.25 0.158 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 81.49 -0.4 -8.75
LAB*LABa 81.49 0.31 12.57
LAB*TCHa 87.5 12.59 27.139

relative CIELAB lab*
lab*lab 0.82 0.006 -0.249
lab*ch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.82 0.0 -0.249
lab*trc 0.875 0.25 0.75
lab*nrc 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.434 0.75 (1.0)
cmyn3* 0.75 0.566 0.25 (0.0)
olvi4* 0.5 0.684 1.0 (0.75)
cmyn4* 0.25 0.316 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 48.22 0.54 -23.59
LAB*LABa 48.22 0.62 -25.17
LAB*TCHa 50.0 25.18 27.14

relative CIELAB lab*
lab*lab 0.59 0.012 -0.499
lab*ch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.59 0.0 -0.499
lab*trc 0.75 0.5 0.75
lab*nrc 0.0 0.5 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.184 0.5 (0.0)
cmyn3* 1.0 0.816 0.5 (0.0)
olvi4* 0.5 0.684 1.0 (0.75)
cmyn4* 0.5 0.316 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 28.87 0.13 -37.12
LAB*LABa 28.87 0.25 -38.51
LAB*TCHa 37.51 37.77 27.141

relative CIELAB lab*
lab*lab 0.14 0.012 -0.499
lab*ch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.14 0.0 -0.499
lab*trc 0.25 0.5 0.75
lab*nrc 0.0 0.5 0.996

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.434 0.75 (1.0)
cmyn3* 0.75 0.566 0.25 (0.0)
olvi4* 0.5 0.684 1.0 (0.75)
cmyn4* 0.25 0.316 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 48.22 0.54 -23.59
LAB*LABa 48.22 0.62 -25.17
LAB*TCHa 50.0 25.18 27.14

relative CIELAB lab*
lab*lab 0.59 0.012 -0.499
lab*ch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754