

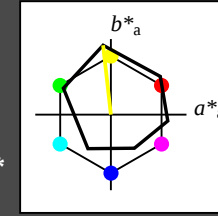
Eingabe: Farbmetrisches Reflexions-System ORS18

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^*



%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 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 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 0.984 -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 0.75 (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 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 0.734 -0.024 0.249
lab*ch 0.625 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.734 -0.024 0.249
lab*trc 0.625 0.25 0.268
lab*ncc 0.0 0.25 0.268

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 37.36 -0.47 0.68
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 0.484 -0.082 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 -0.082 0.249
lab*trc 0.375 0.25 0.268
lab*ncc 0.0 0.25 0.268

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 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 0.234 -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 0.268
lab*ncc 0.0 0.25 0.268

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 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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 $C^*_{ab,a}$ $h^*_{ab,a}$

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 -6.06 50.46
LAB*LABb 92.88 -6.06 50.46
LAB*LABc 92.88 -6.06 50.46

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 0.268
lab*ncc 0.0 0.5 0.268

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 91.62 -8.6 73.32
LAB*LABa 91.62 -8.6 73.32
LAB*LABb 91.62 -8.6 73.32
LAB*LABc 91.62 -8.6 73.32

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*ch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.268
lab*ncc 0.0 0.75 0.268

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.0 (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 -5.69 49.17
LAB*LABb 73.54 -5.69 49.17
LAB*LABc 73.54 -5.69 49.17

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 0.268
lab*ncc 0.0 0.5 0.268

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 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 50.0 -0.11 0.994
LAB*LABa 50.0 -0.11 0.994
LAB*LABb 50.0 -0.11 0.994
LAB*LABc 50.0 -0.11 0.994

relative CIELAB lab*
lab*lab 0.938 -0.11 0.994
lab*ch 0.5 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*trj 0.938 -0.097 0.995
lab*trc 0.5 0.5 0.268
lab*ncc 0.0 0.5 0.268

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.75 0.75 0.0 (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 37.51 69.25 96.39
LAB*LABa 37.51 69.25 96.39
LAB*LABb 37.51 69.25 96.39
LAB*LABc 37.51 69.25 96.39

relative CIELAB lab*
lab*lab 0.701 -0.082 0.745
lab*ch 0.375 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.701 -0.073 0.746
lab*trc 0.375 0.75 0.268
lab*ncc 0.0 0.75 0.268

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (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 0.234 -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 0.268
lab*ncc 0.0 0.25 0.268

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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

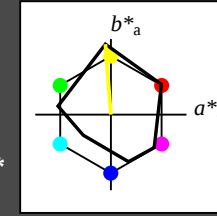
Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 94/360 = 0.262$

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 91 93 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 95.41 0.01 0.0
LAB*LABc 95.41 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 0.03 0.25
LAB*LABa 76.06 0.03 0.25
LAB*LABb 76.06 0.03 0.25
LAB*LABc 76.06 0.03 0.25

relative CIELAB lab*
lab*lab 0.985 -0.018 0.249
lab*ch 0.875 0.25 0.262
lab*nch 0.0 0.25 0.262
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*trc 0.875 0.25 0.258
lab*ncc 0.0 0.25 0.258

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 56.71 0.03 0.25
LAB*LABa 56.71 0.03 0.25
LAB*LABb 56.71 0.03 0.25
LAB*LABc 56.71 0.03 0.25

relative CIELAB lab*
lab*lab 0.735 -0.018 0.249
lab*ch 0.625 0.25 0.262
lab*nch 0.0 0.25 0.262
relative Natural Colour (NC)
lab*trj 0.735 -0.011 0.25
lab*trc 0.625 0.25 0.258
lab*ncc 0.0 0.25 0.258

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 37.36 0.03 0.25
LAB*LABa 37.36 0.03 0.25
LAB*LABb 37.36 0.03 0.25
LAB*LABc 37.36 0.03 0.25

relative CIELAB lab*
lab*lab 0.485 -0.018 0.249
lab*ch 0.375 0.25 0.262
lab*nch 0.0 0.25 0.262
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 0.25 (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 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 0.235 -0.018 0.249
lab*ch 0.125 0.25 0.262
lab*nch 0.0 0.25 0.262
relative Natural Colour (NC)
lab*trj 0.235 -0.011 0.25
lab*trc 0.125 0.25 0.258
lab*ncc 0.0 0.25 0.258

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 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.

Eingabe: Farbmetrisches Reflexions-System ORS18

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

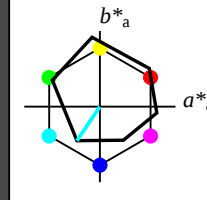
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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 1.0 (1.0)
olvi4*	0.0 0.0 0.0 (0.0)
olvi5*	1.0 1.0 1.0 (1.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	1.0 1.0 1.0 (1.0)
olvi8*	0.0 0.0 0.0 (0.0)
olvi9*	1.0 1.0 1.0 (1.0)
olvi10*	0.0 0.0 0.0 (0.0)
olvi11*	1.0 1.0 1.0 (1.0)
olvi12*	0.0 0.0 0.0 (0.0)
olvi13*	1.0 1.0 1.0 (1.0)
olvi14*	0.0 0.0 0.0 (0.0)
olvi15*	1.0 1.0 1.0 (1.0)
olvi16*	0.0 0.0 0.0 (0.0)
olvi17*	1.0 1.0 1.0 (1.0)
olvi18*	0.0 0.0 0.0 (0.0)
olvi19*	1.0 1.0 1.0 (1.0)
olvi20*	0.0 0.0 0.0 (0.0)
olvi21*	1.0 1.0 1.0 (1.0)
olvi22*	0.0 0.0 0.0 (0.0)
olvi23*	1.0 1.0 1.0 (1.0)
olvi24*	0.0 0.0 0.0 (0.0)
olvi25*	1.0 1.0 1.0 (1.0)
olvi26*	0.0 0.0 0.0 (0.0)
olvi27*	1.0 1.0 1.0 (1.0)
olvi28*	0.0 0.0 0.0 (0.0)
olvi29*	1.0 1.0 1.0 (1.0)
olvi30*	0.0 0.0 0.0 (0.0)
olvi31*	1.0 1.0 1.0 (1.0)
olvi32*	0.0 0.0 0.0 (0.0)
olvi33*	1.0 1.0 1.0 (1.0)
olvi34*	0.0 0.0 0.0 (0.0)
olvi35*	1.0 1.0 1.0 (1.0)
olvi36*	0.0 0.0 0.0 (0.0)
olvi37*	1.0 1.0 1.0 (1.0)
olvi38*	0.0 0.0 0.0 (0.0)
olvi39*	1.0 1.0 1.0 (1.0)
olvi40*	0.0 0.0 0.0 (0.0)
olvi41*	1.0 1.0 1.0 (1.0)
olvi42*	0.0 0.0 0.0 (0.0)
olvi43*	1.0 1.0 1.0 (1.0)
olvi44*	0.0 0.0 0.0 (0.0)
olvi45*	1.0 1.0 1.0 (1.0)
olvi46*	0.0 0.0 0.0 (0.0)
olvi47*	1.0 1.0 1.0 (1.0)
olvi48*	0.0 0.0 0.0 (0.0)
olvi49*	1.0 1.0 1.0 (1.0)
olvi50*	0.0 0.0 0.0 (0.0)
olvi51*	1.0 1.0 1.0 (1.0)
olvi52*	0.0 0.0 0.0 (0.0)
olvi53*	1.0 1.0 1.0 (1.0)
olvi54*	0.0 0.0 0.0 (0.0)
olvi55*	1.0 1.0 1.0 (1.0)
olvi56*	0.0 0.0 0.0 (0.0)
olvi57*	1.0 1.0 1.0 (1.0)
olvi58*	0.0 0.0 0.0 (0.0)
olvi59*	1.0 1.0 1.0 (1.0)
olvi60*	0.0 0.0 0.0 (0.0)
olvi61*	1.0 1.0 1.0 (1.0)
olvi62*	0.0 0.0 0.0 (0.0)
olvi63*	1.0 1.0 1.0 (1.0)
olvi64*	0.0 0.0 0.0 (0.0)
olvi65*	1.0 1.0 1.0 (1.0)
olvi66*	0.0 0.0 0.0 (0.0)
olvi67*	1.0 1.0 1.0 (1.0)
olvi68*	0.0 0.0 0.0 (0.0)
olvi69*	1.0 1.0 1.0 (1.0)
olvi70*	0.0 0.0 0.0 (0.0)
olvi71*	1.0 1.0 1.0 (1.0)
olvi72*	0.0 0.0 0.0 (0.0)
olvi73*	1.0 1.0 1.0 (1.0)
olvi74*	0.0 0.0 0.0 (0.0)
olvi75*	1.0 1.0 1.0 (1.0)
olvi76*	0.0 0.0 0.0 (0.0)
olvi77*	1.0 1.0 1.0 (1.0)
olvi78*	0.0 0.0 0.0 (0.0)
olvi79*	1.0 1.0 1.0 (1.0)
olvi80*	0.0 0.0 0.0 (0.0)
olvi81*	1.0 1.0 1.0 (1.0)
olvi82*	0.0 0.0 0.0 (0.0)
olvi83*	1.0 1.0 1.0 (1.0)
olvi84*	0.0 0.0 0.0 (0.0)
olvi85*	1.0 1.0 1.0 (1.0)
olvi86*	0.0 0.0 0.0 (0.0)
olvi87*	1.0 1.0 1.0 (1.0)
olvi88*	0.0 0.0 0.0 (0.0)
olvi89*	1.0 1.0 1.0 (1.0)
olvi90*	0.0 0.0 0.0 (0.0)
olvi91*	1.0 1.0 1.0 (1.0)
olvi92*	0.0 0.0 0.0 (0.0)
olvi93*	1.0 1.0 1.0 (1.0)
olvi94*	0.0 0.0 0.0 (0.0)
olvi95*	1.0 1.0 1.0 (1.0)
olvi96*	0.0 0.0 0.0 (0.0)
olvi97*	1.0 1.0 1.0 (1.0)
olvi98*	0.0 0.0 0.0 (0.0)
olvi99*	1.0 1.0 1.0 (1.0)
olvi100*	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
olvi4*	0.25 0.25 0.25 (0.0)
olvi5*	0.75 0.75 0.75 (1.0)
olvi6*	0.25 0.25 0.25 (0.0)
olvi7*	0.75 0.75 0.75 (1.0)
olvi8*	0.25 0.25 0.25 (0.0)
olvi9*	0.75 0.75 0.75 (1.0)
olvi10*	0.25 0.25 0.25 (0.0)
olvi11*	0.75 0.75 0.75 (1.0)
olvi12*	0.25 0.25 0.25 (0.0)
olvi13*	0.75 0.75 0.75 (1.0)
olvi14*	0.25 0.25 0.25 (0.0)
olvi15*	0.75 0.75 0.75 (1.0)
olvi16*	0.25 0.25 0.25 (0.0)
olvi17*	0.75 0.75 0.75 (1.0)
olvi18*	0.25 0.25 0.25 (0.0)
olvi19*	0.75 0.75 0.75 (1.0)
olvi20*	0.25 0.25 0.25 (0.0)
olvi21*	0.75 0.75 0.75 (1.0)
olvi22*	0.25 0.25 0.25 (0.0)
olvi23*	0.75 0.75 0.75 (1.0)
olvi24*	0.25 0.25 0.25 (0.0)
olvi25*	0.75 0.75 0.75 (1.0)
olvi26*	0.25 0.25 0.25 (0.0)
olvi27*	0.75 0.75 0.75 (1.0)
olvi28*	0.25 0.25 0.25 (0.0)
olvi29*	0.75 0.75 0.75 (1.0)
olvi30*	0.25 0.25 0.25 (0.0)
olvi31*	0.75 0.75 0.75 (1.0)
olvi32*	0.25 0.25 0.25 (0.0)
olvi33*	0.75 0.75 0.75 (1.0)
olvi34*	0.25 0.25 0.25 (0.0)
olvi35*	0.75 0.75 0.75 (1.0)
olvi36*	0.25 0.25 0.25 (0.0)
olvi37*	0.75 0.75 0.75 (1.0)
olvi38*	0.25 0.25 0.25 (0.0)
olvi39*	0.75 0.75 0.75 (1.0)
olvi40*	0.25 0.25 0.25 (0.0)
olvi41*	0.75 0.75 0.75 (1.0)
olvi42*	0.25 0.25 0.25 (0.0)
olvi43*	0.75 0.75 0.75 (1.0)
olvi44*	0.25 0.25 0.25 (0.0)
olvi45*	0.75 0.75 0.75 (1.0)
olvi46*	0.25 0.25 0.25 (0.0)
olvi47*	0.75 0.75 0.75 (1.0)
olvi48*	0.25 0.25 0.25 (0.0)
olvi49*	0.75 0.75 0.75 (1.0)
olvi50*	0.25 0.25 0.25 (0.0)
olvi51*	0.75 0.75 0.75 (1.0)
olvi52*	0.25 0.25 0.25 (0.0)
olvi53*	0.75 0.75 0.75 (1.0)
olvi54*	0.25 0.25 0.25 (0.0)
olvi55*	0.75 0.75 0.75 (1.0)
olvi56*	0.25 0.25 0.25 (0.0)
olvi57*	0.75 0.75 0.75 (1.0)
olvi58*	0.25 0.25 0.25 (0.0)
olvi59*	0.75 0.75 0.75 (1.0)
olvi60*	0.25 0.25 0.25 (0.0)
olvi61*	0.75 0.75 0.75 (1.0)
olvi62*	0.25 0.25 0.25 (0.0)
olvi63*	0.75 0.75 0.75 (1.0)
olvi64*	0.25 0.25 0.25 (0.0)
olvi65*	0.75 0.75 0.75 (1.0)
olvi66*	0.25 0.25 0.25 (0.0)
olvi67*	0.75 0.75 0.75 (1.0)
olvi68*	0.25 0.25 0.25 (0.0)
olvi69*	0.75 0.75 0.75 (1.0)
olvi70*	0.25 0.25 0.25 (0.0)
olvi71*	0.75 0.75 0.75 (1.0)
olvi72*	0.25 0.25 0.25 (0.0)
olvi73*	0.75 0.75 0.75 (1.0)
olvi74*	0.25 0.25 0.25 (0.0)
olvi75*	0.75 0.75 0.75 (1.0)
olvi76*	0.25 0.25 0.25 (0.0)
olvi77*	0.75 0.75 0.75 (1.0)
olvi78*	0.25 0.25 0.25 (0.0)
olvi79*	0.75 0.75 0.75 (1.0)
olvi80*	0.25 0.25 0.25 (0.0)
olvi81*	0.75 0.75 0.75 (1.0)
olvi82*	0.25 0.25 0.25 (0.0)
olvi83*	0.75 0.75 0.75 (1.0)
olvi84*	0.25 0.25 0.25 (0.0)
olvi85*	0.75 0.75 0.75 (1.0)
olvi86*	0.25 0.25 0.25 (0.0)
olvi87*	0.75 0.75 0.75 (1.0)
olvi88*	0.25 0.25 0.25 (0.0)
olvi89*	0.75 0.75 0.75 (1.0)
olvi90*	0.25 0.25 0.25 (0.0)
olvi91*	0.75 0.75 0.75 (1.0)
olvi92*	0.25 0.25 0.25 (0.0)
olvi93*	0.75 0.75 0.75 (1.0)
olvi94*	0.25 0.25 0.25 (0.0)
olvi95*	0.75 0.75 0.75 (1.0)
olvi96*	0.25 0.25 0.25 (0.0)
olvi97*	0.75 0.75 0.75 (1.0)
olvi98*	0.25 0.25 0.25 (0.0)
olvi99*	0.75 0.75 0.75 (1.0)
olvi100*	0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
olvi4*	0.5 0.5 0.5 (1.0)
olvi5*	0.5 0.5 0.5 (1.0)
olvi6*	0.5 0.5 0.5 (1.0)
olvi7*	0.5 0.5 0.5 (1.0)
olvi8*	0.5 0.5 0.5 (1.0)
olvi9*	0.5 0.5 0.5 (1.0)
olvi10*	0.5 0.5 0.5 (1.0)
olvi11*	0.5 0.5 0.5 (1.0)
olvi12*	0.5 0.5 0.5 (1.0)
olvi13*	0.5 0.5 0.5 (1.0)
olvi14*	0.5 0.5 0.5 (1.0)
olvi15*	0.5 0.5 0.5 (1.0)
olvi16*	0.5 0.5 0.5 (1.0)
olvi17*	0.5 0.5 0.5 (1.0)
olvi18*	0.5 0.5 0.5 (1.0)
olvi19*	0.5 0.5 0.5 (1.0)
olvi20*	0.5 0.5 0.5 (1.0)
olvi21*	0.5 0.5 0.5 (1.0)
olvi22*	0.5 0.5 0.5 (1.0)
olvi23*	0.5 0.5 0.5 (1.0)
olvi24*	0.5 0.5 0.5 (1.0)
olvi25*	0.5 0.5 0.5 (1.0)
olvi26*	0.5 0.5 0.5 (1.0)
olvi27*	0.5 0.5 0.5 (1.0)
olvi28*	0.5 0.5 0.5 (1.0)
olvi29*	0.5 0.5 0.5 (1.0)
olvi30*	0.5 0.5 0.5 (1.0)
olvi31*	0.5 0.5 0.5 (1.0)
olvi32*	0.5 0.5 0.5 (1.0)
olvi33*	0.5 0.5 0.5 (1.0)
olvi34*	0.5 0.5 0.5 (1.0)
olvi35*	0.5 0.5 0.5 (1.0)
olvi36*	0.5 0.5 0.5 (1.0)
olvi37*	0.5 0.5 0.5 (1.0)
olvi38*	0.5 0.5 0.5 (1.0)
olvi39*	0.5 0.5 0.5 (1.0)
olvi40*	0.5 0.5 0.5 (1.0)
olvi41*	0.5 0.5 0.5 (1.0)
olvi42*	0.5 0.5 0.5 (1.0)
olvi43*	0.5 0.5 0.5 (1.0)
olvi44*	0.5 0.5 0.5 (1.0)
olvi45*	0.5 0.5 0.5 (1.0)
olvi46*	0.5 0.5 0.5 (1.0)
olvi47*	0.5 0.5 0.5 (1.0)
olvi48*	0.5 0.5 0.5 (1.0)
olvi49*	0.5 0.5 0.5 (1.0)
olvi50*	0.5 0.5 0.5 (1.0)
olvi51*	0.5 0.5 0.5 (1.0)
olvi52*	0.5 0.5 0.5 (1.0)
olvi53*	0.5 0.5 0.5 (1.0)
olvi54*	0.5 0.5 0.5 (1.0)
olvi55*	0.5 0.5 0.5 (1.0)
olvi56*	0.5 0.5 0.5 (1.0)
olvi57*	0.5 0.5 0.5 (1.0)
olvi58*	0.5 0.5 0.5 (1.0)
olvi59*	0.5 0.5 0.5 (1.0)
olvi60*	0.5 0.5 0.5 (1.0)
olvi61*	0.5 0.5 0.5 (1.0)
olvi62*	0.5 0.5 0.5 (1.0)
olvi63*	0.5 0.5 0.5 (1.0)
olvi64*	0.5 0.5 0.5 (1.0)
olvi65*	0.5 0.5 0.5 (1.0)
olvi66*	0.5 0.5 0.5 (1.0)
olvi67*	0.5 0.5 0.5 (1.0)
olvi68*	0.5 0.5 0.5 (1.0)
olvi69*	0.5 0.5 0.5 (1.0)
olvi70*	0.5 0.5 0.5 (1.0)
olvi71*	0.5 0.5 0.5 (1.0)
olvi72*	0.5 0.5 0.5 (1.0)
olvi73*	0.5 0.5 0.5 (1.0)
olvi74*	0.5 0.5 0.5 (1.0)
olvi75*	0.5 0.5 0.5 (1.0)
olvi76*	0.5 0.5 0.5 (1.0)
olvi77*	0.5 0.5 0.5 (1.0)
olvi78*	0.5 0.5 0.5 (1.0)
olvi79*	0.5 0.5 0.5 (1.0)
olvi80*	0.5 0.5 0.5 (1.0)
olvi81*	0.5 0.5 0.5 (1.0)
olvi82*	0.5 0.5 0.5 (1.0)
olvi83*	0.5 0.5 0.5 (1.0)
olvi84*	0.5 0.5 0.5 (1.0)
olvi85*	0.5 0.5 0.5 (1.0)
olvi86*	0.5 0.5 0.5 (1.0)
olvi87*	0.5 0.5 0.5 (1.0)
olvi88*	0.5 0.5 0.5 (1.0)
olvi89*	0.5 0.5 0.5 (1.0)
olvi90*	0.5 0.5 0.5 (1.0)
olvi91*	0.5 0.5 0.5 (1.0)
olvi92*	0.5 0.5 0.5 (1.0)
olvi93*	0.5 0.5 0.5 (1.0)
olvi94*	0.5 0.5 0.5 (1.0)
olvi95*	0.5 0.5 0.5 (1.0)
olvi96*	0.5 0.5 0.5 (1.0)
olvi97*	0.5 0.5 0.5 (1.0)
olvi98*	0.5 0.5 0.5 (1.0)
olvi99*	0.5 0.5 0.5 (1.0)
olvi100*	0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.25	1.0	1.0	(1.0)
<i>cymn3*</i>	0.75	0.0	0.0	(0.0)
<i>olvi4*</i>	0.25	1.0	1.0	1.0
<i>cymn4*</i>	0.75	0.0	0.0	0.0
standard and adapted CIELAB				
<i>LAB*LAB</i>	67.81	-23.21	-30.86	
<i>LAB*LAB_a</i>	67.81	-22.75	-33.75	
<i>LAB*TCH_a</i>	62.5	40.72	236.01	

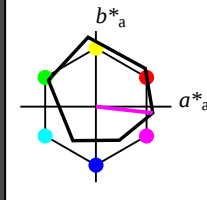
Eingabe: Farbmetrisches Reflexions-System ORS18

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^*



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*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 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
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 0.0 0.0 0.0

relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*nc 0.75 0.75 0.75 (1.0)

relative Natural Colour (NC)
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*nc 0.75 0.75 0.75 (1.0)

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 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
lab*tr 0.5 0.5 0.5 (0.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*nc 0.5 0.5 0.5 (0.0)

relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
lab*tr 0.5 0.5 0.5 (0.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*nc 0.5 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
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 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
lab*tr 0.25 0.25 0.25 (0.0)
lab*tc 0.25 0.25 0.25 (0.0)
lab*nc 0.25 0.25 0.25 (0.0)

relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
lab*tr 0.25 0.25 0.25 (0.0)
lab*tc 0.25 0.25 0.25 (0.0)
lab*nc 0.25 0.25 0.25 (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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 92$

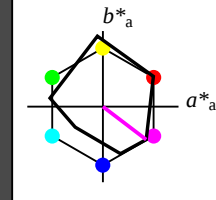
Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 323/360 = 0.896$

lab^*ch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 323
rgb*Ma: 1.0 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 0.01 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

standard and adapted CIELAB
LAB*LAB 95.41 0.01 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
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 0.0 0.0 0.0

relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.25
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 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*nc 0.75 0.75 0.75 (1.0)

relative Natural Colour (NC)
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*nc 0.75 0.75 0.75 (1.0)

standard and adapted CIELAB
LAB*LAB 56.71 0.03 0.25
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 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
lab*tr 0.5 0.5 0.5 (0.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*nc 0.5 0.5 0.5 (0.0)

relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
lab*tr 0.5 0.5 0.5 (0.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*nc 0.5 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 37.36 0.03 0.25
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 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
lab*tr 0.25 0.25 0.25 (0.0)
lab*tc 0.25 0.25 0.25 (0.0)
lab*nc 0.25 0.25 0.25 (0.0)

relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
lab*tr 0.25 0.25 0.25 (0.0)
lab*tc 0.25 0.25 0.25 (0.0)
lab*nc 0.25 0.25 0.25 (0.0)

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 93$

TG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (rechts)

BAM-Prüfvorlage TG51; Farbmetrik-Systeme ORS18 & MRS18a

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttöne: $olvi^* \text{ setrgbcolor}$ / $w^* \text{ setgray}$

Eingabe: Farbmetrisches Reflexions-System ORS18

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

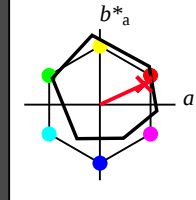
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

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	7.5	
LAB*LAB	95.41	0.0	0.0	
LAB*TCRa	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)	1.0	0.0	0.0	
lab*trj	1.0	0.0	0.0	
lab*trc	1.0	0.0	0.0	
lab*trce	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(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	76.06	-0.6	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.847	0.227	0.104	
lab*ch	0.875	0.25	0.069	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)	0.847	0.25	0.0	
lab*trj	0.875	0.25	0.0	
lab*trc	0.875	0.25	0.0	
lab*trce	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.581	(1.0)
cmyn3*	0.25	0.5	0.581	(1.0)
olvi4*	1.0	0.75	0.831	(0.75)
cmyn4*	0.0	0.25	0.169	(0.25)
LAB*LAB	64.21	16.76	10.54	
LAB*LAB	64.21	17.14	7.88	
LAB*TCRa	62.5	18.87	24.7	

relative CIELAB lab*

lab*lab	0.597	0.227	0.104	
lab*ch	0.625	0.25	0.069	
lab*nch	0.25	0.25	0.069	
relative Natural Colour (NC)	0.597	0.25	0.0	
lab*trj	0.625	0.25	0.0	
lab*trc	0.625	0.25	0.0	
lab*trce	0.25	0.25	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.411	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olvi4*	1.0	0.5	0.661	(0.75)
cmyn4*	0.0	0.5	0.339	(0.25)
LAB*LAB	52.36	34.28	15.77	
LAB*LAB	52.36	34.28	15.77	
LAB*TCRa	50.0	37.73	24.7	

relative CIELAB lab*

lab*lab	0.444	0.454	0.209	
lab*ch	0.5	0.5	0.069	
lab*nch	0.0	0.5	0.069	
relative Natural Colour (NC)	0.444	0.5	0.0	
lab*trj	0.444	0.5	0.0	
lab*trc	0.444	0.5	0.0	
lab*trce	0.25	0.5	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.161	(1.0)
cmyn3*	0.0	0.0	0.839	(0.0)
olvi4*	1.0	0.0	0.961	(0.0)
cmyn4*	0.0	0.0	0.339	(0.0)
LAB*LAB	33.01	34.27	15.77	
LAB*LAB	33.01	34.27	15.77	
LAB*TCRa	30.0	37.73	24.7	

relative CIELAB lab*

lab*lab	0.347	0.227	0.104	
lab*ch	0.375	0.25	0.069	
lab*nch	0.25	0.25	0.069	
relative Natural Colour (NC)	0.347	0.25	0.0	
lab*trj	0.375	0.25	0.0	
lab*trc	0.375	0.25	0.0	
lab*trce	0.25	0.25	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	18.02	0.0	
LAB*LAB	18.02	18.02	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	
lab*ch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)	0.25	0.0	0.0	
lab*trj	0.25	0.0	0.0	
lab*trc	0.25	0.0	0.0	
lab*trce	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	18.02	0.0	
LAB*LAB	18.02	18.02	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.097	0.227	0.104	
lab*ch	0.125	0.25	0.069	
lab*nch	0.25	0.25	0.069	
relative Natural Colour (NC)	0.097	0.25	0.0	
lab*trj	0.125	0.25	0.0	
lab*trc	0.125	0.25	0.0	
lab*trce	0.25	0.25	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	18.02	0.0	
LAB*LAB	18.02	18.02	0.0	
LAB*TCRa	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	0.0	0.0	0.0	
relative Natural Colour (NC)	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*trc	0.0	0.0	0.0	
lab*trce	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	18.02	0.0	
LAB*LAB	18.02	18.02	0.0	
LAB*TCRa	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	0.0	0.0	0.0	
relative Natural Colour (NC)	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*trc	0.0	0.0	0.0	
lab*trce	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	18.02	0.0	
LAB*LAB	18.02	18.02	0.0	
LAB*TCRa	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	0.0	0.0	0.0	
relative Natural Colour (NC)	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*trc	0.0	0.0	0.0	
lab*trce	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*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.27	15.76	
LAB*TCRa	75.0	37.72	24.69	

relative CIELAB lab*

lab*lab	0.694	0.454	0.209	
lab*ch	0.75	0.5	0.069	
lab*nch	0.0	0.5	0.069	
relative Natural Colour (NC)	0.694	0.5	0.0	
lab*trj	0.75	0.5	0.0	
lab*trc	0.75	0.5	0.0	
lab*trce	0.0	0.5	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.492	(1.0)
cmyn3*	0.0	0.25	0.508	(0.0)
olvi4*	1.0	0.25	0.492	(1.0)
cmyn4*	0.0	0.25	0.508	(0.0)
LAB*LAB	59.85	51.12	26.60	
LAB*LAB	59.85	51.12	26.60	
LAB*TCRa	62.5	56.39	24.7	

relative CIELAB lab*

lab*lab	0.541	0.681	0.313	
lab*ch	0.625	0.75	0.069	
lab*nch	0.0	0.75	0.069	
relative Natural Colour (NC)	0.541	0.75	0.0	
lab*trj	0.625	0.75	0.0	
lab*trc	0.625	0.75	0.0	
lab*trce	0.0	0.75	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.242	(1.0)
cmyn3*	0.25	0.0	0.758	(0.0)
olvi4*	1.0	0.25	0.492	(0.75)
cmyn4*	0.0	0.25	0.508	(0.25)
LAB*LAB	40.51	51.49	24.7	
LAB*LAB	40.51	51.49	24.7	
LAB*TCRa	37.5	56.39	24.7	

relative CIELAB lab*

lab*lab	0.291	0.681	0.313	
lab*ch	0.375	0.75	0.069	
lab*nch	0.0	0.75	0.069	
relative Natural Colour (NC)	0.291	0.75	0.0	
lab*trj	0.375	0.75	0.0	
lab*trc	0.375	0.75	0.0	
lab*trce	0.25	0.75	0.0	

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.161	(1.0)
cmyn3*	0.0	0.0	0.839	(0.0)
olvi4*	1.0	0.0	0.961	(0.0)
cmyn4*	0.0	0.0	0.339	(0.0)
LAB*LAB	33.01	34.27	15.77	
LAB*LAB	33.01	34.27	15.77	
LAB*TCRa	30.0	37.73	24.7	

relative CIELAB lab*

lab*lab	0.194	0.454	0.209	
lab*ch	0.25	0.5	0.069	
lab*nch	0.0	0.5	0.069	
relative Natural Colour (NC)	0.194	0.5	0.0	
lab*trj	0.25	0.5	0.0	
lab*trc	0.25	0.5	0.0	
lab*trce	0.0	0.5	0.0	

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	18.02	0.0	
LAB*LAB	18.02	18.02	0.0	
LAB*TCRa	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	0.0	0.0	0.0	
relative Natural Colour (NC)	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*trc	0.0	0.0	0.0	
lab*trce	0.0	0.0	0.0	

Ausgabe: Farbmetrisches Reflexions-System MRS18a

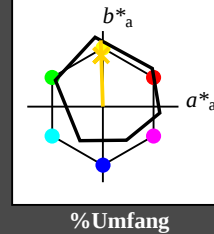
Eingabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 86 88 92
rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	49.74	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
CLMa	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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

0,00

1,00

relative Buntheit c^*

1,00

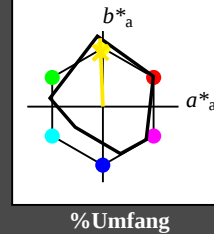
Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 89 91 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit t^*



MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

0,00

1,00

relative Buntheit c^*

1,00

TG510-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

BAM-Prüfvorlage TG51; Farbmetrik-Systeme ORS18 & MRS18a

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen

Input: $olv^* setrgbcolor$ / $w^* setgray$

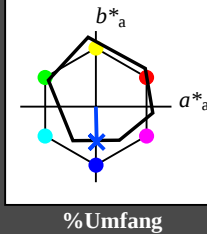
Eingabe: Farbmetrisches Reflexions-System ORS18

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)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 47.5
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)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
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)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
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)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
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)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.39	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	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)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.59 0.08 -19.4
LAB*Lab 68.59 0.0 0.0
LAB*Lab 68.59 0.0 0.0
LAB*Lab 68.59 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 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*Lab 49.25 0.0 0.0
LAB*Lab 49.25 0.0 0.0
LAB*Lab 49.25 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 0.24 0.5 (1.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.5 -22.35
LAB*Lab 29.9 0.0 0.0
LAB*Lab 29.9 0.0 0.0
LAB*Lab 29.9 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.24 0.5 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.24 0.5 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 0.78 0.75 (1.0)
olvi5* 1.0 0.78 0.75 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.96 0.67 -11.23
LAB*Lab 23.96 0.0 0.0
LAB*Lab 23.96 0.0 0.0
LAB*Lab 23.96 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.78 0.75 (1.0)
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.78 0.75 (1.0)
lab*ncc 1.0 0.0 0.0

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.616 1.0 (1.0)
olvi4* 0.75 0.384 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.19 0.61 -31.48
LAB*Lab 55.19 0.0 0.0
LAB*Lab 55.19 0.0 0.0
LAB*Lab 55.19 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.616 1.0 (1.0)
lab*ch 0.75 0.384 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.616 1.0 (1.0)
lab*trc 0.75 0.384 0.0 (0.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.368 0.75 (1.0)
olvi4* 0.75 0.506 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*Lab 49.25 0.0 0.0
LAB*Lab 49.25 0.0 0.0
LAB*Lab 49.25 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.368 0.75 (1.0)
lab*ch 0.75 0.506 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.368 0.75 (1.0)
lab*trc 0.75 0.506 0.25 (0.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.634 0.25 (0.0)
olvi4* 0.75 0.366 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.92 -33.53
LAB*Lab 35.84 0.0 0.0
LAB*Lab 35.84 0.0 0.0
LAB*Lab 35.84 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.634 0.25 (0.0)
lab*ch 0.75 0.366 0.75 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.634 0.25 (0.0)
lab*trc 0.75 0.366 0.75 (1.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.23 0.018 -0.749
olvi4* 0.375 0.75 0.754
olvi5* 1.0 0.754 0.0
olvi6* 0.0 0.754 0.0
olvi7* 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 23.9 0.5 -22.35
LAB*Lab 23.9 0.0 0.0
LAB*Lab 23.9 0.0 0.0
LAB*Lab 23.9 0.0 0.0

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

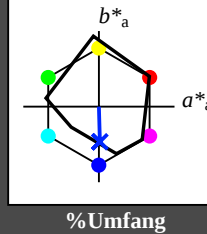
Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

lab^*ch und lab^*nch

D65: Buntton B
LCH*Ma: 40 49 272
rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
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)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.25
LAB*Lab 76.06 0.0 0.0
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)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*Lab 56.71 0.0 0.0
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)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
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)
olvi3* 0.0 0.24 0.5 (1.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.5 -22.35
LAB*Lab 29.9 0.0 0.0
LAB*Lab 29.9 0.0 0.0
LAB*Lab 29.9 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.24 0.5 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.24 0.5 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.0 0.0

$n^* = 0.00$

Schwarzheit n^*

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
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	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.55 0.74 -24.71
LAB*Lab 67.55 0.0 0.0
LAB*Lab 67.55 0.0 0.0
LAB*Lab 67.55 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 0.42 0.75 (1.0)
olvi4* 0.75 0.58 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.21 0.71 -24.71
LAB*Lab 48.21 0.0 0.0
LAB*Lab 48.21 0.0 0.0
LAB*Lab 48.21 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.42 0.75 (1.0)
lab*ch 0.75 0.58 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.42 0.75 (1.0)
lab*trc 0.75 0.58 0.25 (0.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.182 0.5 (1.0)
olvi4* 0.75 0.818 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.86 1.06 -37.09
LAB*Lab 28.86 0.0 0.0
LAB*Lab 28.86 0.0 0.0
LAB*Lab 28.86 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.182 0.5 (1.0)
lab*ch 0.75 0.818