

Eingabe: Farbmetrisches Reflexions-System ORS18

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

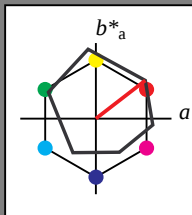
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



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

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
olvi4*	0.0	0.5	0.5	(0.0)
olvi5*	0.0	0.5	0.5	(0.0)
olvi6*	0.0	0.5	0.5	(0.0)
olvi7*	0.0	0.5	0.5	(0.0)
olvi8*	0.0	0.5	0.5	(0.0)
olvi9*	0.0	0.5	0.5	(0.0)
olvi10*	0.0	0.5	0.5	(0.0)
olvi11*	0.0	0.5	0.5	(0.0)
olvi12*	0.0	0.5	0.5	(0.0)
olvi13*	0.0	0.5	0.5	(0.0)
olvi14*	0.0	0.5	0.5	(0.0)
olvi15*	0.0	0.5	0.5	(0.0)
olvi16*	0.0	0.5	0.5	(0.0)
olvi17*	0.0	0.5	0.5	(0.0)
olvi18*	0.0	0.5	0.5	(0.0)
olvi19*	0.0	0.5	0.5	(0.0)
olvi20*	0.0	0.5	0.5	(0.0)
olvi21*	0.0	0.5	0.5	(0.0)
olvi22*	0.0	0.5	0.5	(0.0)
olvi23*	0.0	0.5	0.5	(0.0)
olvi24*	0.0	0.5	0.5	(0.0)
olvi25*	0.0	0.5	0.5	(0.0)
olvi26*	0.0	0.5	0.5	(0.0)
olvi27*	0.0	0.5	0.5	(0.0)
olvi28*	0.0	0.5	0.5	(0.0)
olvi29*	0.0	0.5	0.5	(0.0)
olvi30*	0.0	0.5	0.5	(0.0)
olvi31*	0.0	0.5	0.5	(0.0)
olvi32*	0.0	0.5	0.5	(0.0)
olvi33*	0.0	0.5	0.5	(0.0)
olvi34*	0.0	0.5	0.5	(0.0)
olvi35*	0.0	0.5	0.5	(0.0)
olvi36*	0.0	0.5	0.5	(0.0)
olvi37*	0.0	0.5	0.5	(0.0)
olvi38*	0.0	0.5	0.5	(0.0)
olvi39*	0.0	0.5	0.5	(0.0)

lab*tch und lab*nch

LCH*Ma: 90 92 96

Dreiecks-Helligkeit t


$$u^*_{rel} = 93$$

1,00
e Buntheit c*

0,50



*lab*tch* und *lab*nch*

LCH*Ma: 53 84 91

Dreiecks-Helligkeit t


$$u^*_{\text{rel}} = 119$$

der Mon

M

3

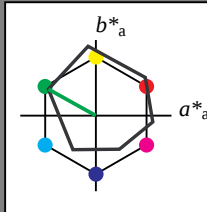
0	
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Code=rha4ta

Eingabe: Farbmetrisches 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)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 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 Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
olvi3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
olvi4* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.28 -16.45 12.74
LAB*LAB 84.28 -15.68 8.73
LAB*LAB 84.28 -15.68 8.73
LAB*LAB 84.28 -15.68 8.73

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
olvi3* 0.25 0.0 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
olvi4* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 73.15 -31.94 20.73
LAB*LAB 73.15 -31.94 20.73
LAB*LAB 73.15 -31.94 20.73
LAB*LAB 73.15 -31.94 20.73

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
olvi3* 0.125 0.0 0.125 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
olvi4* 0.125 0.0 0.125 (0.0)
olvi4* 0.125 0.0 0.125 (0.0)
olvi4* 0.125 0.0 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 62.02 -47.09 26.21
LAB*LAB 62.02 -47.09 26.21
LAB*LAB 62.02 -47.09 26.21
LAB*LAB 62.02 -47.09 26.21

relative Inform. Technology (IT)
olvi3* 0.125 1.0 0.125 (1.0)
olvi3* 0.0625 0.0 0.0625 (0.0)
olvi4* 0.125 1.0 0.125 (1.0)
olvi4* 0.0625 0.0 0.0625 (0.0)
olvi4* 0.0625 0.0 0.0625 (0.0)
olvi4* 0.0625 0.0 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.78 34.94
LAB*LAB 50.9 -62.78 34.94
LAB*LAB 50.9 -62.78 34.94
LAB*LAB 50.9 -62.78 34.94

relative Inform. Technology (IT)
olvi3* 0.0625 1.0 0.0625 (1.0)
olvi3* 0.03125 0.0 0.03125 (0.0)
olvi4* 0.0625 1.0 0.0625 (1.0)
olvi4* 0.03125 0.0 0.03125 (0.0)
olvi4* 0.03125 0.0 0.03125 (0.0)
olvi4* 0.03125 0.0 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 -167.01
LAB*LAB 32.11 -167.01
LAB*LAB 32.11 -167.01
LAB*LAB 32.11 -167.01

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 -0.6 3.44

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.93 -16.09 11.44
LAB*LAB 64.93 -16.09 11.44
LAB*LAB 64.93 -16.09 11.44
LAB*LAB 64.93 -16.09 11.44

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
olvi3* 0.125 0.25 0.125 (0.0)
olvi4* 0.25 0.5 0.25 (1.0)
olvi4* 0.125 0.25 0.125 (0.0)
olvi4* 0.125 0.25 0.125 (0.0)
olvi4* 0.125 0.25 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 53.8 -31.39 17.47
LAB*LAB 53.8 -31.39 17.47
LAB*LAB 53.8 -31.39 17.47
LAB*LAB 53.8 -31.39 17.47

relative Inform. Technology (IT)
olvi3* 0.125 0.25 0.125 (1.0)
olvi3* 0.0625 0.125 0.0625 (0.0)
olvi4* 0.125 0.25 0.125 (1.0)
olvi4* 0.0625 0.125 0.0625 (0.0)
olvi4* 0.0625 0.125 0.0625 (0.0)
olvi4* 0.0625 0.125 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 -167.01
LAB*LAB 32.11 -167.01
LAB*LAB 32.11 -167.01
LAB*LAB 32.11 -167.01

relative Inform. Technology (IT)
olvi3* 0.0625 0.125 0.0625 (1.0)
olvi3* 0.03125 0.0625 0.03125 (0.0)
olvi4* 0.0625 0.125 0.0625 (1.0)
olvi4* 0.03125 0.0625 0.03125 (0.0)
olvi4* 0.03125 0.0625 0.03125 (0.0)
olvi4* 0.03125 0.0625 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 19.02 -10.48 4.76
LAB*LAB 19.02 -10.48 4.76
LAB*LAB 19.02 -10.48 4.76
LAB*LAB 19.02 -10.48 4.76

relative Inform. Technology (IT)
olvi3* 0.03125 0.0625 0.03125 (1.0)
olvi3* 0.015625 0.03125 0.015625 (0.0)
olvi4* 0.03125 0.0625 0.03125 (1.0)
olvi4* 0.015625 0.03125 0.015625 (0.0)
olvi4* 0.015625 0.03125 0.015625 (0.0)
olvi4* 0.015625 0.03125 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.125 0.125 0.125 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
olvi4* 0.125 0.125 0.125 (0.0)
olvi4* 0.125 0.125 0.125 (0.0)
olvi4* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 -0.23 2.14

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.125 (1.0)
olvi3* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.125 0.125 0.125 (1.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 45.58 -15.72 10.13
LAB*LAB 45.58 -15.72 10.13
LAB*LAB 45.58 -15.72 10.13
LAB*LAB 45.58 -15.72 10.13

relative Inform. Technology (IT)
olvi3* 0.0625 0.0625 0.0625 (1.0)
olvi3* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.0625 0.0625 0.0625 (1.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 34.46 -31.2 18.11
LAB*LAB 34.46 -31.2 18.11
LAB*LAB 34.46 -31.2 18.11
LAB*LAB 34.46 -31.2 18.11

relative Inform. Technology (IT)
olvi3* 0.03125 0.03125 0.03125 (1.0)
olvi3* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.03125 0.03125 0.03125 (1.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 21.11 -167.01
LAB*LAB 21.11 -167.01
LAB*LAB 21.11 -167.01
LAB*LAB 21.11 -167.01

relative Inform. Technology (IT)
olvi3* 0.015625 0.015625 0.015625 (1.0)
olvi3* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.015625 0.015625 0.015625 (1.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 -167.01
LAB*LAB 12.5 -167.01
LAB*LAB 12.5 -167.01
LAB*LAB 12.5 -167.01

relative Inform. Technology (IT)
olvi3* 0.0078125 0.0078125 0.0078125 (1.0)
olvi3* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (1.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 6.25 -167.01
LAB*LAB 6.25 -167.01
LAB*LAB 6.25 -167.01
LAB*LAB 6.25 -167.01

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.125 0.125 0.125 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
olvi4* 0.125 0.125 0.125 (0.0)
olvi4* 0.125 0.125 0.125 (0.0)
olvi4* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83
LAB*LAB 37.36 -0.83
LAB*LAB 37.36 -0.83
LAB*LAB 37.36 -0.83

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.125 (1.0)
olvi3* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.125 0.125 0.125 (1.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 26.24 -15.68 8.73
LAB*LAB 26.24 -15.68 8.73
LAB*LAB 26.24 -15.68 8.73
LAB*LAB 26.24 -15.68 8.73

relative Inform. Technology (IT)
olvi3* 0.0625 0.0625 0.0625 (1.0)
olvi3* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.0625 0.0625 0.0625 (1.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 -167.01
LAB*LAB 12.5 -167.01
LAB*LAB 12.5 -167.01
LAB*LAB 12.5 -167.01

relative Inform. Technology (IT)
olvi3* 0.03125 0.03125 0.03125 (1.0)
olvi3* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.03125 0.03125 0.03125 (1.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 6.25 -167.01
LAB*LAB 6.25 -167.01
LAB*LAB 6.25 -167.01
LAB*LAB 6.25 -167.01

relative Inform. Technology (IT)
olvi3* 0.015625 0.015625 0.015625 (1.0)
olvi3* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.015625 0.015625 0.015625 (1.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 3.125 -167.01
LAB*LAB 3.125 -167.01
LAB*LAB 3.125 -167.01
LAB*LAB 3.125 -167.01

relative Inform. Technology (IT)
olvi3* 0.0078125 0.0078125 0.0078125 (1.0)
olvi3* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (1.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 1.5625 -167.01
LAB*LAB 1.5625 -167.01
LAB*LAB 1.5625 -167.01
LAB*LAB 1.5625 -167.01

relative Inform. Technology (IT)
olvi3* 0.0078125 0.0078125 0.0078125 (1.0)
olvi3* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (1.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.78125 -167.01
LAB*LAB 0.78125 -167.01
LAB*LAB 0.78125 -167.01
LAB*LAB 0.78125 -167.01

relative Inform. Technology (IT)
olvi3* 0.00390625 0.00390625 0.00390625 (1.0)
olvi3* 0.001953125 0.001953125 0.001953125 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (1.0)
olvi4* 0.001953125 0.001953125 0.001953125 (0.0)
olvi4* 0.001953125 0.001953125 0.001953125 (0.0)
olvi4* 0.001953125 0.001953125 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.390625 -167.01
LAB*LAB 0.390625 -167.01
LAB*LAB 0.390625 -167.01
LAB*LAB 0.390625 -167.01

relative Inform. Technology (IT)
olvi3* 0.001953125 0.001953125 0.001953125 (1.0)
olvi3* 0.0009765625 0.0009765625 0.0009765625 (0.0)
olvi4* 0.001953125 0.001953125 0.001953125 (1.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (0.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (0.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.1953125 -167.01
LAB*LAB 0.1953125 -167.01
LAB*LAB 0.1953125 -167.01
LAB*LAB 0.1953125 -167.01

relative Inform. Technology (IT)
olvi3* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi3* 0.00048828125 0.00048828125 0.00048828125 (0.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi4* 0.00048828125 0.00048828125 0.00048828125 (0.0)
olvi4* 0.00048828125 0.00048828125 0.00048828125 (0.0)
olvi4* 0.00048828125 0.00048828125 0.00048828125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.09765625 -167.01
LAB*LAB 0.09765625 -167.01
LAB*LAB 0.09765625 -167.01
LAB*LAB 0.09765625 -167.01

relative Inform. Technology (IT)
olvi3* 0.00048828125 0.00048828125 0.00048828125 (1.0)
olvi3* 0.000244140625 0.000244140625 0.000244140625 (0.0)
olvi4* 0.00048828125 0.00048828125 0.00048828125 (1.0)
olvi4* 0.000244140625 0.000244140625 0.000244140625 (0.0)
olvi4* 0.000244140625 0.000244140625 0.000244140625 (0.0)
olvi4* 0.000244140625 0.000244140625 0.000244140625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.048828125 -167.01
LAB*LAB 0.048828125 -167.01
LAB*LAB 0.048828125 -167.01
LAB*LAB 0.048828125 -167.01

relative Inform. Technology (IT)
olvi3* 0.000244140625 0.000244140625 0.000244140625 (1.0)
olvi3* 0.0001220703125 0.0001220703125 0.0001220703125 (0.0)
olvi4* 0.000244140625 0.000244140625 0.000244140625 (1.0)
olvi4* 0.0001220703125 0.0001220703125 0.0001220703125 (0.0)
olvi4* 0.0001220703125 0.0001220703125 0.0001220703125 (0.0)
olvi4* 0.0001220703125 0.0001220703125 0.0001220703125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0244140625 -167.01
LAB*LAB 0.0244140625 -167.01
LAB*LAB 0.0244140625 -167.01
LAB*LAB 0.0244140625 -167.01

relative Inform. Technology (IT)
olvi3* 0.0001220703125 0.0001220703125 0.0001220703125 (1.0)
olvi3* 0.00006103515625 0.00006103515625 0.00006103515625 (0.0)
olvi4* 0.0001220703125 0.0001220703125 0.0001220703125 (1.0)
olvi4* 0.00006103515625 0.00006103515625 0.00006103515625 (0.0)
olvi4* 0.00006103515625 0.00006103515625 0.00006103515625 (0.0)
olvi4* 0.00006103515625 0.00006103515625 0.00006103515625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01220703125 -167.01
LAB*LAB 0.01220703125 -167.01
LAB*LAB 0.01220703125 -167.01
LAB*LAB 0.01220703125 -167.01

relative Inform. Technology (IT)
olvi3* 0.00006103515625 0.00006103515625 0.00006103515625 (1.0)
olvi3* 0.000030517578125 0.000030517578125 0.000030517578125 (0.0)
olvi4* 0.00006103515625 0.00006103515625 0.00006103515625 (1.0)
olvi4* 0.000030517578125 0.000030517578125 0.000030517578125 (0.0)
olvi4* 0.000030517578125 0.000030517578125 0.000030517578125 (0.0)
olvi4* 0.000030517578125 0.000030517578125 0.000030517578125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.006103515625 -167.01
LAB*LAB 0.006103515625 -167.01
LAB*LAB 0.006103515625 -167.01
LAB*LAB 0.006103515625 -167.01

relative Inform. Technology (IT)
olvi3* 0.000030517578125 0.000030517578125 0.000030517578125 (1.0)
olvi3* 0.0000152587890625 0.0000152587890625 0.0000152587890625 (0.0)
olvi4* 0.000030517578125 0.000030517578125 0.000030517578125 (1.0)
olvi4* 0.0000152587890625 0.0000152587890625 0.0000152587890625 (0.0)
olvi4* 0.0000152587890625 0.0000152587890625 0.0000152587890625 (0.0)
olvi4* 0.0000152587890625 0.0000152587890625 0.0000152587890625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0030517578125 -167.01
LAB*LAB 0.0030517578125 -167.01

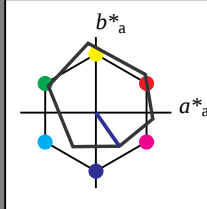
Eingabe: Farbmetrisches Reflexions-System ORS18

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)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.98 7.13 -7.51
LAB*Lab 77.98 7.77 -11.09
LAB*TCh 87.5 13.55 305.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 1.0 (1.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.24 -19.79
LAB*Lab 60.56 15.55 -22.2
LAB*TCh 75.0 27.11 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.14 23.35 -33.31
LAB*Lab 43.14 23.33 -33.31
LAB*TCh 62.5 40.67 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.72 31.46 -44.36
LAB*Lab 25.72 31.1 -44.41
LAB*TCh 50.0 54.23 305.0

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 58.63 7.5 -8.82
LAB*Lab 58.63 7.78 -11.11
LAB*TCh 62.5 13.56 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.21 15.55 -22.21
LAB*Lab 41.21 15.35 -22.21
LAB*TCh 50.0 27.12 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.72 33.30 -33.30
LAB*Lab 23.72 33.33 -33.31
LAB*TCh 37.51 40.67 305.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 0.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.0
LAB*Lab 18.02 18.02 0.0
LAB*TCh 0.01 0.01 -

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCh 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.28 7.87 -10.13
LAB*Lab 39.28 7.78 -11.11
LAB*TCh 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.2
LAB*Lab 21.87 15.35 -22.21
LAB*TCh 37.51 40.67 305.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 0.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 12.5 0.0
LAB*Lab 12.5 12.5 0.0
LAB*TCh 0.01 0.01 -

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 42.65 1.15 -21.05
LAB*Lab 42.65 1.15 -21.06
LAB*TCh 37.5 21.1 272.97

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 2.19 -42.13
LAB*Lab 32.11 2.19 -42.13
LAB*TCh 50.0 42.2 272.97

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 19.84 2.19 -42.13
LAB*Lab 19.84 2.19 -42.13
LAB*TCh 37.51 63.3 272.97

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 0.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.43 0.0 0.0
LAB*Lab 11.43 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 1.0 (1.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 6.33 0.0 0.0
LAB*Lab 6.33 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 3.38 0.0 0.0
LAB*Lab 3.38 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.01 0.01 -

UG520-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (rechts)

BAM-Prüfvorlage UG52; Farbmetrik-Systeme ORS18 & ORS18input: cmy0* setcmykcolor

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: Startup (S) data dependend

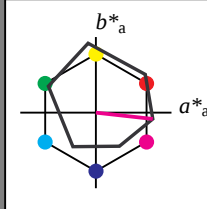
Eingabe: Farbmetrisches Reflexions-System ORS18

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)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 47.5
LAB*Lab 95.41 0.0 0.0
LAB*TCh 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)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 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*Lab 56.71 0.0 0.0
LAB*TCh 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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*Lab 37.36 0.0 0.0
LAB*TCh 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)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCh 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 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	$C^*_{ab,a}$	$h^*_{ab,a}$
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)
standard and adapted CIELAB
LAB*LAB 71.77 37.1 -1.01
LAB*Lab 71.77 37.63 -4.17
LAB*TCh 75.0 37.96 353.66

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 0.724

relative Inform. Technology (IT)
olvi3* 0.75 0.25 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)
standard and adapted CIELAB
LAB*LAB 52.42 37.63 -4.17
LAB*Lab 52.42 37.63 -4.17
LAB*TCh 50.0 37.96 353.66

relative CIELAB lab*
lab*lab 0.445 0.454 -0.208
lab*ch 0.75 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 0.75 0.5 0.932
lab*ncc 0.0 0.5 0.724

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.61 56.51 -5.2
LAB*Lab 40.61 56.44 -6.26
LAB*TCh 50.0 56.79 353.66

relative CIELAB lab*
lab*lab 0.292 0.745 -0.082
lab*ch 0.375 0.75 0.982
lab*nch 0.0 0.75 0.982
relative Natural Colour (NC)
lab*trj 0.292 0.682 -0.312
lab*trc 0.375 0.75 0.932
lab*ncc 0.0 0.75 0.724

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.08 37.63 -4.17
LAB*Lab 33.08 37.63 -4.17
LAB*TCh 25.01 37.96 353.66

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 0.724

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCh 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 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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCh 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$

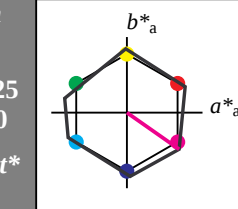
Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

lab^*ch und lab^*nch

D65: Buntton B50R
LCH*Ma: 53 84 325
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)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*Lab 95.41 0.0 0.0
LAB*TCh 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)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 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 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCh 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)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*Lab 32.11 0.05 0.0
LAB*TCh 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 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCh 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 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* 0.75 0.25 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)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCh 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 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 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.65 17.32 -12.08
LAB*Lab 42.65 17.27 -12.11
LAB*TCh 37.5 21.09 324.98

relative CIELAB lab*
lab*lab 0.375 0.25 0.0
lab*ch 0.375 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.375 0.168 -0.184
lab*trc 0.375 0.25 0.867
lab*ncc 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*Lab 32.11 0.05 0.0
LAB*TCh 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 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCh 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 0.75 0.25 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)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCh 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 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 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.65 17.32 -12.08
LAB*Lab 42.65 17.27 -12.11
LAB*TCh 37.5 21.09 324.98

relative CIELAB lab*
lab*lab 0.375 0.25 0.0
lab*ch 0.375 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.375 0.168 -0.184
lab*trc 0.375 0.25 0.867
lab*ncc 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*Lab 32.11 0.05 0.0
LAB*TCh 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 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCh 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.50$

NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

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

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)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 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* 0.75 0.25 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)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCh 50.0 0.01 -

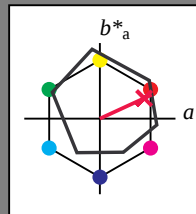
Eingabe: Farbmetrisches Reflexions-System ORS18

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^*



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

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.831	(1.0)
olvi4*	0.0	0.25	0.169	(0.0)
olvi5*	0.0	0.75	0.831	(1.0)
olvi6*	0.0	0.25	0.169	(0.0)
olvi7*	0.0	0.75	0.831	(1.0)
olvi8*	0.0	0.25	0.169	(0.0)
olvi9*	0.0	0.75	0.831	(1.0)
olvi10*	0.0	0.25	0.169	(0.0)
olvi11*	0.0	0.75	0.831	(1.0)
olvi12*	0.0	0.25	0.169	(0.0)
olvi13*	0.0	0.75	0.831	(1.0)
olvi14*	0.0	0.25	0.169	(0.0)
olvi15*	0.0	0.75	0.831	(1.0)
olvi16*	0.0	0.25	0.169	(0.0)
olvi17*	0.0	0.75	0.831	(1.0)
olvi18*	0.0	0.25	0.169	(0.0)
olvi19*	0.0	0.75	0.831	(1.0)
olvi20*	0.0	0.25	0.169	(0.0)
olvi21*	0.0	0.75	0.831	(1.0)
olvi22*	0.0	0.25	0.169	(0.0)
olvi23*	0.0	0.75	0.831	(1.0)
olvi24*	0.0	0.25	0.169	(0.0)
olvi25*	0.0	0.75	0.831	(1.0)
olvi26*	0.0	0.25	0.169	(0.0)
olvi27*	0.0	0.75	0.831	(1.0)
olvi28*	0.0	0.25	0.169	(0.0)
olvi29*	0.0	0.75	0.831	(1.0)
olvi30*	0.0	0.25	0.169	(0.0)
olvi31*	0.0	0.75	0.831	(1.0)
olvi32*	0.0	0.25	0.169	(0.0)
olvi33*	0.0	0.75	0.831	(1.0)
olvi34*	0.0	0.25	0.169	(0.0)
olvi35*	0.0	0.75	0.831	(1.0)
olvi36*	0.0	0.25	0.169	(0.0)
olvi37*	0.0	0.75	0.831	(1.0)
olvi38*	0.0	0.25	0.169	(0.0)
olvi39*	0.0	0.75	0.831	(1.0)
olvi40*	0.0	0.25	0.169	(0.0)
olvi41*	0.0	0.75	0.831	(1.0)
olvi42*	0.0	0.25	0.169	(0.0)
olvi43*	0.0	0.75	0.831	(1.0)
olvi44*	0.0	0.25	0.169	(0.0)
olvi45*	0.0	0.75	0.831	(1.0)
olvi46*	0.0	0.25	0.169	(0.0)
olvi47*	0.0	0.75	0.831	(1.0)
olvi48*	0.0	0.25	0.169	(0.0)
olvi49*	0.0	0.75	0.831	(1.0)
olvi50*	0.0	0.25	0.169	(0.0)
olvi51*	0.0	0.75	0.831	(1.0)
olvi52*	0.0	0.25	0.169	(0.0)
olvi53*	0.0	0.75	0.831	(1.0)
olvi54*	0.0	0.25	0.169	(0.0)
olvi55*	0.0	0.75	0.831	(1.0)
olvi56*	0.0	0.25	0.169	(0.0)
olvi57*	0.0	0.75	0.831	(1.0)
olvi58*	0.0	0.25	0.169	(0.0)
olvi59*	0.0	0.75	0.831	(1.0)
olvi60*	0.0	0.25	0.169	(0.0)
olvi61*	0.0	0.75	0.831	(1.0)
olvi62*	0.0	0.25	0.169	(0.0)
olvi63*	0.0	0.75	0.831	(1.0)
olvi64*	0.0	0.25	0.169	(0.0)
olvi65*	0.0	0.75	0.831	(1.0)
olvi66*	0.0	0.25	0.169	(0.0)
olvi67*	0.0	0.75	0.831	(1.0)
olvi68*	0.0	0.25	0.169	(0.0)
olvi69*	0.0	0.75	0.831	(1.0)
olvi70*	0.0	0.25	0.169	(0.0)
olvi71*	0.0	0.75	0.831	(1.0)
olvi72*	0.0	0.25	0.169	(0.0)
olvi73*	0.0	0.75	0.831	(1.0)
olvi74*	0.0	0.25	0.169	(0.0)
olvi75*	0.0	0.75	0.831	(1.0)
olvi76*	0.0	0.25	0.169	(0.0)
olvi77*	0.0	0.75	0.831	(1.0)
olvi78*	0.0	0.25	0.169	(0.0)
olvi79*	0.0	0.75	0.831	(1.0)
olvi80*	0.0	0.25	0.169	(0.0)
olvi81*	0.0	0.75	0.831	(1.0)
olvi82*	0.0	0.25	0.169	(0.0)
olvi83*	0.0	0.75	0.831	(1.0)
olvi84*	0.0	0.25	0.169	(0.0)
olvi85*	0.0	0.75	0.831	(1.0)
olvi86*	0.0	0.25	0.169	(0.0)
olvi87*	0.0	0.75	0.831	(1.0)
olvi88*	0.0	0.25	0.169	(0.0)
olvi89*	0.0	0.75	0.831	(1.0)
olvi90*	0.0	0.25	0.169	(0.0)
olvi91*	0.0	0.75	0.831	(1.0)
olvi92*	0.0	0.25	0.169	(0.0)
olvi93*	0.0	0.75	0.831	(1.0)
olvi94*	0.0	0.25	0.169	(0.0)
olvi95*	0.0	0.75	0.831	(1.0)
olvi96*	0.0	0.25	0.169	(0.0)
olvi97*	0.0	0.75	0.831	(1.0)
olvi98*	0.0	0.25	0.169	(0.0)
olvi99*	0.0	0.75	0.831	(1.0)
olvi100*	0.0	0.25	0.169	(0.0)

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.831	(1.0)
olvi4*	0.0	0.25	0.169	(0.0)
olvi5*	0.0	0.75	0.831	(1.0)
olvi6*	0.0	0.25	0.169	(0.0)
olvi7*	0.0	0.75	0.831	(1.0)
olvi8*	0.0	0.25	0.169	(0.0)
olvi9*	0.0	0.75	0.831	(1.0)
olvi10*	0.0	0.25	0.169	(0.0)
olvi11*	0.0	0.75	0.831	(1.0)
olvi12*	0.0	0.25	0.169	(0.0)
olvi13*	0.0	0.75	0.831	(1.0)
olvi14*	0.0	0.25	0.169	(0.0)
olvi15*	0.0	0.75	0.831	(1.0)
olvi16*	0.0	0.25	0.169	(0.0)
olvi17*	0.0	0.75	0.831	(1.0)
olvi18*	0.0	0.25	0.169	(0.0)
olvi19*	0.0	0.75	0.831	(1.0)
olvi20*	0.0	0.25	0.169	(0.0)
olvi21*	0.0	0.75	0.831	(1.0)
olvi22*	0.0	0.25	0.169	(0.0)
olvi23*	0.0	0.75	0.831	(1.0)
olvi24*	0.0	0.25	0.169	(0.0)
olvi25*	0.0	0.75	0.831	(1.0)
olvi26*	0.0	0.25	0.169	(0.0)
olvi27*	0.0	0.75	0.831	(1.0)
olvi28*	0.0	0.25	0.169	(0.0)
olvi29*	0.0	0.75	0.831	(1.0)
olvi30*	0.0	0.25	0.169	(0.0)
olvi31*	0.0	0.75	0.831	(1.0)
olvi32*	0.0	0.25	0.169	(0.0)
olvi33*	0.0	0.75	0.831	(1.0)
olvi34*	0.0	0.25	0.169	(0.0)
olvi35*	0.0	0.75	0.831	(1.0)
olvi36*	0.0	0.25	0.169	(0.0)
olvi37*	0.0	0.75	0.831	(1.0)
olvi38*	0.0	0.25	0.169	(0.0)

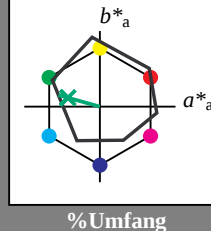
Eingabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

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

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

relative Inform. Technology (IT)
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*LAB 76.06 0.0 0.0
LAB*TCa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 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 -

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*LAB 56.71 0.0 0.0
LAB*TCa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 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 -

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 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 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 -

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*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 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 -

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 11.01 0.0 0.01
LAB*LAB 11.01 0.0 0.0
LAB*TCa 0.00 0.00 -

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 -

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	50.99	-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 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.96 10.94
LAB*LAB 74.1 -27.96 10.94
LAB*TCa 75.0 28.44 164.46

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

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.75 -27.96 9.64
LAB*LAB 54.75 -27.96 9.64
LAB*TCa 50.0 28.44 164.46

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

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.28 3.34
LAB*LAB 35.41 -27.28 3.34
LAB*TCa 37.51 42.66 164.46

relative CIELAB lab*
lab*lab 0.375 -0.21 0.201
lab*ch 0.375 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.375 -0.21 0.201
lab*trc 0.375 0.75 0.457
lab*ncc 0.0 0.75 0.457

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.28 3.34
LAB*LAB 35.41 -27.28 3.34
LAB*TCa 37.51 42.66 164.46

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

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 11.01 0.0 0.01
LAB*LAB 11.01 0.0 0.01
LAB*TCa 0.00 0.00 -

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 -

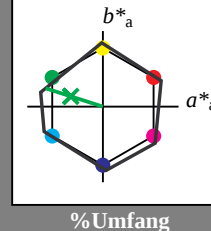
Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 53 80 162
rgb*Ma: 0.08 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 0.0 -0.01
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 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
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 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 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 53.21 0.04 0.0
LAB*LAB 53.21 0.04 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 -
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 -

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 32.11 0.05 0.0
LAB*LAB 32.11 0.05 0.0
LAB*TCa 25.01 39.77 162.25

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*LAB 32.11 0.05 0.0
LAB*TCa 25.01 39.77 162.25

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

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 11.01 0.0 0.01
LAB*LAB 11.01 0.0 0.01
LAB*TCa 0.00 0.00 -

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 -

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

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

relative Inform. Technology (IT)
olvi3* 0.54 1.0 0.5 (1.0)
cmyn3* 0.46 0.0 0.5 (0.0)
olvi4* 0.54 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.3 -37.87 12.13
LAB*LAB 74.3 -37.87 12.13
LAB*TCa 75.0 39.77 162.25

relative CIELAB lab*
lab*lab 0.75 -0.475 0.152
lab*ch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.75 -0.475 0.152
lab*trc 0.75 0.5 0.451
lab*ncc 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.29 0.75 0.25 (1.0)
cmyn3* 0.71 0.25 0.25 (0.0)
olvi4* 0.54 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 -37.87 12.13
LAB*LAB 53.2 -37.87 12.13
LAB*TCa 50.0 39.77 162.25

relative CIELAB lab*
lab*lab 0.29 -0.475 0.152
lab*ch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.29 -0.475 0.152
lab*trc 0.75 0.5 0.451
lab*ncc 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*LAB 32.11 0.05 0.0
LAB*TCa 25.01 39.77 162.25

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*LAB 32.11 0.05 0.0
LAB*TCa 25.01 39.77 162.25

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

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 11.01 0.0 0.01
LAB*LAB 11.01 0.0 0.01
LAB*TCa 0.00 0.00 -

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 -

UG520-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Prüfvorlage UG52; Farbmetrik-Systeme ORS18 & ORS18input: *cmyn0* setcmykcolor*

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: *Startup (S) data dependend*

