

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 24/360 = 0.066$

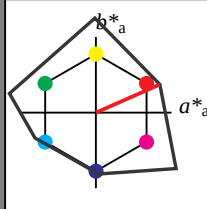
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 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*LABa 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 -
lab*trc 1.0 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*LABa 74.31 0.02 0.0
LAB*TCa 75.00 0.01 -

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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (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* 0.5 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*LABa 53.21 0.04 0.0
LAB*TCa 50.00 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.08 0.0
LAB*LABa 32.11 0.08 0.0
LAB*TCa 25.00 0.01 -

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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 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* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.08 0.0
LAB*LABa 32.11 0.08 0.0
LAB*TCa 25.00 0.01 -

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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 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

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Umfang

$u^*_{rel} = 149$

%Schwarzheit n^*

$n^* = 0.00$

%relative Buntheit c^*

$c^* = 0.25$

%relative Buntheit c^*

$c^* = 0.50$

%relative Buntheit c^*

$c^* = 0.75$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.25$

%relative Buntheit c^*

$c^* = 1.50$

%relative Buntheit c^*

$c^* = 1.75$

%relative Buntheit c^*

$c^* = 2.00$

%relative Buntheit c^*

$c^* = 2.25$

%relative Buntheit c^*

$c^* = 2.50$

%relative Buntheit c^*

$c^* = 2.75$

%relative Buntheit c^*

$c^* = 3.00$

%relative Buntheit c^*

$c^* = 3.25$

%relative Buntheit c^*

$c^* = 3.50$

%relative Buntheit c^*

$c^* = 3.75$

%relative Buntheit c^*

$c^* = 4.00$

%relative Buntheit c^*

$c^* = 4.25$

%relative Buntheit c^*

$c^* = 4.50$

%relative Buntheit c^*

$c^* = 4.75$

%relative Buntheit c^*

$c^* = 5.00$

%relative Buntheit c^*

$c^* = 5.25$

%relative Buntheit c^*

$c^* = 5.50$

%relative Buntheit c^*

$c^* = 5.75$

%relative Buntheit c^*

$c^* = 6.00$

%relative Buntheit c^*

$c^* = 6.25$

%relative Buntheit c^*

$c^* = 6.50$

%relative Buntheit c^*

$c^* = 6.75$

%relative Buntheit c^*

$c^* = 7.00$

%relative Buntheit c^*

$c^* = 7.25$

%relative Buntheit c^*

$c^* = 7.50$

%relative Buntheit c^*

$c^* = 7.75$

%relative Buntheit c^*

$c^* = 8.00$

%relative Buntheit c^*

$c^* = 8.25$

%relative Buntheit c^*

$c^* = 8.50$

%relative Buntheit c^*

$c^* = 8.75$

%relative Buntheit c^*

$c^* = 9.00$

%relative Buntheit c^*

$c^* = 9.25$

%relative Buntheit c^*

$c^* = 9.50$

%relative Buntheit c^*

$c^* = 9.75$

%relative Buntheit c^*

$c^* = 10.00$

%relative Buntheit c^*

$c^* = 10.25$

%relative Buntheit c^*

$c^* = 10.50$

%relative Buntheit c^*

$c^* = 10.75$

%relative Buntheit c^*

$c^* = 11.00$

%relative Buntheit c^*

$c^* = 11.25$

%relative Buntheit c^*

$c^* = 11.50$

%relative Buntheit c^*

$c^* = 11.75$

%relative Buntheit c^*

$c^* = 12.00$

%relative Buntheit c^*

$c^* = 12.25$

%relative Buntheit c^*

$c^* = 12.50$

%relative Buntheit c^*

$c^* = 12.75$

%relative Buntheit c^*

$c^* = 13.00$

%relative Buntheit c^*

$c^* = 13.25$

%relative Buntheit c^*

$c^* = 13.50$

%relative Buntheit c^*

$c^* = 13.75$

%relative Buntheit c^*

$c^* = 14.00$

%relative Buntheit c^*

$c^* = 14.25$

%relative Buntheit c^*

$c^* = 14.50$

%relative Buntheit c^*

$c^* = 14.75$

%relative Buntheit c^*

$c^* = 15.00$

%relative Buntheit c^*

$c^* = 15.25$

%relative Buntheit c^*

$c^* = 15.50$

%relative Buntheit c^*

$c^* = 15.75$

%relative Buntheit c^*

$c^* = 16.00$

%relative Buntheit c^*

$c^* = 16.25$

%relative Buntheit c^*

$c^* = 16.50$

%relative Buntheit c^*

$c^* = 16.75$

%relative Buntheit c^*

$c^* = 17.00$

%relative Buntheit c^*

$c^* = 17.25$

%relative Buntheit c^*

$c^* = 17.50$

%relative Buntheit c^*

$c^* = 17.75$

%relative Buntheit c^*

$c^* = 18.00$

%relative Buntheit c^*

$c^* = 18.25$

%relative Buntheit c^*

$c^* = 18.50$

%relative Buntheit c^*

$c^* = 18.75$

%relative Buntheit c^*

c

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

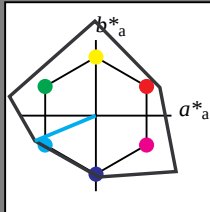
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

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	0.0	-0.01	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
LAB*LAB	86.42	-20.12	-8.35	
LAB*LABa	86.42	-20.12	-8.35	
LAB*LABb	87.5	-21.81	-20.254	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	74.31	0.02	0.0	
LAB*LABa	74.31	0.02	0.0	
LAB*LABb	75.0	0.01	-	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.21	0.04	0.0	
LAB*LABa	53.21	0.04	0.0	
LAB*LABb	50.0	0.01	-	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	-0.01	0.0	
LAB*LABa	32.11	-0.01	0.0	
LAB*LABb	32.11	-0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	-0.01	0.0	
LAB*LABa	32.11	-0.01	0.0	
LAB*LABb	32.11	-0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	-0.01	0.0	
LAB*LABa	32.11	-0.01	0.0	
LAB*LABb	32.11	-0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	-0.01	0.0	
LAB*LABa	32.11	-0.01	0.0	
LAB*LABb	32.11	-0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	-0.01	0.0	
LAB*LABa	32.11	-0.01	0.0	
LAB*LABb	32.11	-0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	-0.01	0.0	
LAB*LABa	32.11	-0.01	0.0	
LAB*LABb	32.11	-0.01	0.0	

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
LAB*LAB	77.43	-40.26	-16.71	
LAB*LABa	77.43	-40.26	-16.72	
LAB*LABb	75.0	43.63	20.254	

relative Inform. Technology (IT)

olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)
LAB*LAB	68.45	-60.41	-25.08	
LAB*LABa	68.45	-60.41	-25.08	
LAB*LABb	62.5	65.45	20.254	

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.0	0.75	0.75	(1.0)
cmyn4*	0.75	0.25	0.25	(0.0)
LAB*LAB	56.33	-40.26	-16.71	
LAB*LABa	56.33	-40.26	-16.72	
LAB*LABb	50.0	43.63	20.254	

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.0	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	47.35	-60.33	-25.07	
LAB*LABa	47.35	-60.33	-25.07	
LAB*LABb	37.51	65.45	20.254	

relative Inform. Technology (IT)

olvi3*	0.431	-0.692	-0.286	
cmyn3*	0.375	0.75	0.563	
olvi4*	0.25	0.75	0.563	
cmyn4*	0.0	0.75	0.563	
LAB*LAB	43.1	-62.7	-40.9	
LAB*LABa	43.1	-62.7	-40.9	
LAB*LABb	0.25	0.75	0.563	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(0.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.0	0.5	0.5	(0.0)
cmyn4*	0.5	0.0	0.0	(0.0)
LAB*LAB	28.7	-0.461	-19.1	
LAB*LABa	28.7	-0.461	-19.1	
LAB*LABb	0.25	0.5	0.563	

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.0	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	23.11	-20.17	-8.35	
LAB*LABa	23.11	-20.17	-8.35	
LAB*LABb	0.25	0.5	0.563	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)
LAB*LAB	11.01	0.0	0.01	
LAB*LABa	11.01	0.0	0.01	
LAB*LABb	0.01	0.01	-	

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$

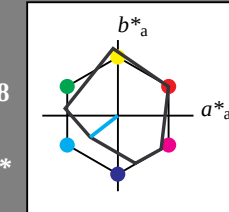
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.97	4.75	
LAB*LABa	95.41	-0.97	4.75	
LAB*LABb	99.99	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
LAB*LAB	82.81	-9.87	-3.2	
LAB*LABa	82.81	-9.87	-3.2	
LAB*LABb	87.5	-11.58	-21.91	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	76.06	-0.6	3.44	
LAB*LABa	76.06	-0.6	3.44	
LAB*LABb	75.0	0.01	-	

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	44.11	-3.13	-5.81	
LAB*LABa	44.11	-3.13	-5.81	
LAB*LABb	37.5	11.59	21.91	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	44.11	-3.13	-5.81	
LAB*LABa	44.11	-3.13	-5.81	
LAB*LABb	37.5	11.59	21.91	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	44.11	-3.13	-5.81	
LAB*LABa	44.11	-3.13	-5.81	
LAB*LABb	37.5	11.59	21.91	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	44.11	-3.13	-5.81	
LAB*LABa	44.11	-3.13	-5.81	
LAB*LABb	37.5	11.59	21.91	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	44.11	-3.13	-5.81	
LAB*LABa	44.11	-3.13	-5.81	
LAB*LABb	37.5	11.59	21.91	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	44.11	-3.13	-5.81	
LAB*LABa	44.11	-3.13		

Eingabe: Farbmetrisches Reflexions-System NCS11

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

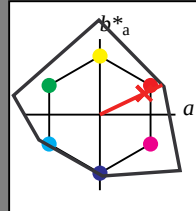
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^*



NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.756	0.75	(1.0)
cmyn3*	0.0	0.244	0.25	(0.0)
olvi4*	1.0	0.756	0.75	(1.0)
cmyn4*	0.0	0.244	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	83.61	20.65	9.84
LAB*LABa	83.61	20.64	9.84
LAB*LABb	97.5	22.86	25.49

relative Inform. Technology (IT)

olvi3*	1.0	0.512	0.5	(1.0)
cmyn3*	0.0	0.488	0.5	(0.0)
olvi4*	1.0	0.512	0.5	(1.0)
cmyn4*	0.0	0.488	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.81	41.31	19.68
LAB*LABa	71.81	41.28	19.68
LAB*LABb	75.0	45.73	25.49

relative Inform. Technology (IT)

olvi3*	1.0	0.268	0.25	(1.0)
cmyn3*	0.0	0.732	0.25	(0.0)
olvi4*	1.0	0.268	0.25	(1.0)
cmyn4*	0.0	0.732	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	60.01	61.96	29.53
LAB*LABa	60.01	61.92	29.52
LAB*LABb	62.5	68.6	25.49

relative Inform. Technology (IT)

olvi3*	1.0	0.028	0.02	(1.0)
cmyn3*	0.0	0.972	0.0	(0.0)
olvi4*	1.0	0.028	0.02	(1.0)
cmyn4*	0.0	0.972	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.21	82.61	39.36
LAB*LABa	48.21	82.61	39.36
LAB*LABb	50.0	91.46	25.48

relative Inform. Technology (IT)

olvi3*	1.0	0.028	0.02	(1.0)
cmyn3*	0.0	0.972	0.0	(0.0)
olvi4*	1.0	0.028	0.02	(1.0)
cmyn4*	0.0	0.972	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.21	82.61	39.36
LAB*LABa	48.21	82.61	39.36
LAB*LABb	50.0	91.46	25.48

relative Inform. Technology (IT)

olvi3*	1.0	0.028	0.02	(1.0)
cmyn3*	0.0	0.972	0.0	(0.0)
olvi4*	1.0	0.028	0.02	(1.0)
cmyn4*	0.0	0.972	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.21	82.61	39.36
LAB*LABa	48.21	82.61	39.36
LAB*LABb	50.0	91.46	25.48

relative Inform. Technology (IT)

olvi3*	1.0	0.028	0.02	(1.0)
cmyn3*	0.0	0.972	0.0	(0.0)
olvi4*	1.0	0.028	0.02	(1.0)
cmyn4*	0.0	0.972	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.21	82.61	39.36
LAB*LABa	48.21	82.61	39.36
LAB*LABb	50.0	91.46	25.48

relative Inform. Technology (IT)

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cmyn4*	0.0	0.972	0.0	(0.0)

standard and adapted CIELAB

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olvi4*	1.0	0.028	0.02	(1.0)
cmyn4*	0.0	0.972	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.21	82.61	39.36
LAB*LABa	48.21	82.61	39.36
LAB*LABb	50.0	91.46	25.48

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
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relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
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relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(

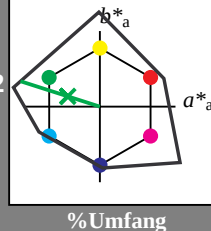
Eingabe: Farbmetrisches Reflexions-System NCS11

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

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 65 110 162
rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*



NCS11; adaptierte CIELAB-Daten

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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	0.0	-0.01	
LAB*LABa	95.41	0.0	0.0	
LAB*TC _{Ma}	99.99	0.01	0.0	

relative CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olvi3*	0.771	1.0	0.75	(1.0)
cmyn3*	0.229	0.0	0.25	(0.0)
olvi4*	0.771	1.0	0.75	(1.0)
cmyn4*	0.229	0.0	0.25	(0.0)
LAB*LAB	87.9	-26.2	8.39	
LAB*LABa	87.9	-26.2	8.39	
LAB*TC _{Ma}	87.5	27.54	162.25	

relative CIELAB lab*

lab*lab	0.911	-0.237	0.076
lab*ch	0.875	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.911	-0.249	0.0
lab*trc	0.875	0.25	0.3
lab*ncc	0.0	0.25	0.398

relative Inform. Technology (IT)

olvi3*	0.541	1.0	0.5	(1.0)
cmyn3*	0.459	0.0	0.5	(0.0)
olvi4*	0.541	1.0	0.5	(1.0)
cmyn4*	0.459	0.0	0.5	(0.0)
LAB*LAB	80.4	-52.43	16.79	
LAB*LABa	80.4	-52.43	16.79	
LAB*TC _{Ma}	75.0	55.08	162.25	

relative CIELAB lab*

lab*lab	0.822	-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	0.822	-0.499	0.0
lab*trc	0.75	0.5	0.3
lab*ncc	0.0	0.5	0.398

relative Inform. Technology (IT)

olvi3*	0.312	1.0	0.25	(1.0)
cmyn3*	0.688	0.0	0.25	(0.0)
olvi4*	0.312	1.0	0.25	(1.0)
cmyn4*	0.688	0.0	0.25	(0.0)
LAB*LAB	72.9	-78.66	25.19	
LAB*LABa	72.9	-78.66	25.19	
LAB*TC _{Ma}	62.5	82.63	162.25	

relative CIELAB lab*

lab*lab	0.733	-0.713	0.229
lab*ch	0.625	0.75	0.451
lab*nch	0.0	0.75	0.451

relative Natural Colour (NC)

lab*trj	0.733	-0.749	0.0
lab*trc	0.625	0.75	0.5
lab*ncc	0.0	0.75	0.398

relative Inform. Technology (IT)

olvi3*	0.083	1.0	0.0	(1.0)
cmyn3*	0.917	0.0	0.0	(0.0)
olvi4*	0.083	1.0	0.0	(1.0)
cmyn4*	0.917	0.0	0.0	(0.0)
LAB*LAB	65.41	-104.893	58	
LAB*LABa	65.41	-104.893	58	
LAB*TC _{Ma}	50.0	110.17	162.25	

relative CIELAB lab*

lab*lab	0.645	-0.951	0.305
lab*ch	0.5	1.0	0.451
lab*nch	0.0	1.0	0.451

relative Natural Colour (NC)

lab*trj	0.645	-0.999	0.0
lab*trc	0.5	1.0	0.5
lab*ncc	0.0	1.0	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.71	0.23	21.4	
LAB*LABa	56.71	0.23	21.4	
LAB*TC _{Ma}	50.0	0.01	0.0	

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trc	0.5	0.0	0.0
lab*ncc	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.75	0.75	0.75	(0.0)
cmyn4*	0.25	0.25	0.25	(0.0)
LAB*LAB	46.87	-18.55	5.88	
LAB*LABa	46.87	-18.55	5.88	
LAB*TC _{Ma}	37.5	16.41	164.46	

relative CIELAB lab*

lab*lab	0.276	0.5	0.2	(1.0)
lab*ch	0.525	0.25	0.457	
lab*nch	0.25	0.25	0.457	

relative Natural Colour (NC)

lab*trj	0.525	-0.249	0.0	
lab*trc	0.525	0.25	0.5	
lab*ncc	0.0	0.25	0.398	

relative Inform. Technology (IT)

olvi3*	0.301	0.75	0.25	(1.0)
cmyn3*	0.699	0.25	0.75	(0.0)
olvi4*	0.301	0.75	0.25	(1.0)
cmyn4*	0.699	0.25	0.75	(0.0)
LAB*LAB	56.39	-31.61	10.92	
LAB*LABa	56.39	-31.61	10.92	
LAB*TC _{Ma}	50.0	32.81	164.46	

relative CIELAB lab*

lab*lab	0.486	-0.481	0.134
lab*ch	0.5	0.5	0.457
lab*nch	0.0	0.5	0.457

relative Natural Colour (NC)

lab*trj	0.486	-0.499	0.0
lab*trc	0.525	0.25	0.5
lab*ncc	0.0	0.25	0.398

relative Inform. Technology (IT)

olvi3*	0.031	0.5	0.0	(1.0)
cmyn3*	0.969	0.25	0.0	(0.0)
olvi4*	0.031	0.5	0.0	(1.0)
cmyn4*	0.969	0.25	0.0	(0.0)
LAB*LAB	46.52	-47.46	14.64	
LAB*LABa	46.52	-47.46	14.64	
LAB*TC _{Ma}	37.51	49.22	164.47	

relative CIELAB lab*

lab*lab	0.369	-0.722	0.201
lab*ch	0.375	0.75	0.457
lab*nch	0.0	0.75	0.457

relative Natural Colour (NC)

lab*trj	0.369	-0.749	0.0
lab*trc	0.375	0.75	0.5
lab*ncc	0.0	0.75	0.006

relative Inform. Technology (IT)

olvi3*	0.103	1.0	0.0	(1.0)
cmyn3*	0.897	0.0	0.0	(0.0)
olvi4*	0.103	1.0	0.0	(1.0)
cmyn4*	0.897	0.0	0.0	(0.0)
LAB*LAB	56.07	-63.21	17.38	
LAB*LABa	56.07	-63.21	17.38	
LAB*TC _{Ma}	50.0	65.62	164.46	

relative CIELAB lab*

lab*lab	0.492	-0.962	0.268
lab*ch	0.5	1.0	0.457
lab*nch	0.0	1.0	0.457

relative Natural Colour (NC)

lab*trj	0.492	-0.999	0.0
lab*trc	0.5	1.0	0.5
lab*ncc	0.0	1.0	0.006

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.21	0.04	0.0	
LAB*LABa	53.21	0.04	0.0	
LAB*TC _{Ma}	50.0	0.01	0.0	

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trc	0.5	0.0	0.0
lab*ncc	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.271	0.5	0.25	(1.0)
cmyn3*	0.729	0.5	0.75	(0.0)
olvi4*	0.271	0.5	0.25	(1.0)
cmyn4*	0.729	0.5	0.75	(0.0)
LAB*LAB	45.7	-26.18	8.41	
LAB*LABa	45.7	-26.18	8.41	
LAB*TC _{Ma}	37.51	27.55	162.25	

relative CIELAB lab*

lab*lab	0.411	-0.237	0.076
lab*ch	0.375	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.411	-0.249	0.0
lab*trc	0.375	0.25	0.3
lab*ncc	0.0	0.25	0.398

relative Inform. Technology (IT)

olvi3*	0.041	0.5	0.0	(1.0)
cmyn3*	0.959	0.5	0.0	(0.0)
olvi4*	0.041	0.5	0.0	(1.0)
cmyn4*	0.959	0.5	0.0	(0.0)
LAB*LAB	38.2	-52.46	16.78	
LAB*LABa	38.2	-52.46	16.78	
LAB*TC _{Ma}	25.01	55.09	162.27	

relative CIELAB lab*

lab*lab	0.322	-0.475	0.152
lab*ch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.322	-0.499	0.0
lab*trc	0.25	0.5	0.3
lab*ncc	0.0	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.083	0.75	0.0	(1.0)
cmyn3*	0.917	0.25	0.0	(0.0)
olvi4*	0.083	0.75	0.0	(1.0)
cmyn4*	0.917	0.25	0.0	(0.0)
LAB*LAB	51.81	-78.65	25.19	
LAB*LABa	51.81	-78.65	25.19	
LAB*TC _{Ma}	37.51	82.64	162.26	

relative CIELAB lab*

lab*lab	0.483	-0.713	0.228
lab*ch	0.375	0.75	0.451
lab*nch	0.0	0.75	0.451

relative Natural Colour (NC)

lab*trj	0.483	-0.749	0.0
lab*trc	0.375	0.75	0.5
lab*ncc	0.0	0.75	0.006

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	37.36	0.0	0.0	
LAB*LABa	37.36	0.0	0.0	
LAB*TC _{Ma}	25.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*ch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trc	0.25	0.0	0.0
lab*ncc	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*LABa	18.02	0.0	0.46	
LAB*TC _{Ma}	0.0	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)

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*	0.026	0.5	0.0	(1.0)
cmyn3*	0.974	0.5	0.0	(0.0)
olvi4*	0.026	0.5	0.0	(1.0)
cmyn4*	0.974	0.5	0.0	(0.0)
LAB*LAB	27.52	-15.8	4.39	
LAB*LABa	27.52	-15.8	4.39	
LAB*TC _{Ma}	12.5	16.4	164.49	

relative CIELAB lab*

lab*lab	0.123	-0.24	0.067
lab*ch	0.125	0.25	0.457
lab*nch	0.0	0.25	0.457

relative Natural Colour (NC)

lab*trj	0.123	-0.249	0.0
lab*trc	0.125	0.25	0.5
lab*ncc	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.031	0.5	
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Eingabe: Farbmetrisches Reflexions-System NCS11

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

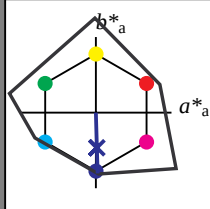
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

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 0.0 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 0.863 0.007 -0.249
lab*ch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.863 0.0 -0.249
lab*trc 0.875 0.25 0.755
lab*ncc 0.0 0.25 0.755

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 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 0.5 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 32.11 0.0 0.0
LAB*Lab 32.11 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 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCh 0.01 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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 72.29 1.17 -40.21
LAB*Lab 72.29 1.17 -40.21
LAB*TCh 75.0 40.24 271.66

relative CIELAB lab*
lab*lab 0.726 0.014 -0.499
lab*ch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.726 0.0 -0.499
lab*trc 0.75 0.5 0.755
lab*ncc 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 51.19 1.17 -40.21
LAB*Lab 51.19 1.17 -40.21
LAB*TCh 50.0 40.24 271.66

relative CIELAB lab*
lab*lab 0.476 0.0 -0.499
lab*ch 0.476 0.0 -0.499
lab*nch 0.0 0.0 -0.499
relative Natural Colour (NC)
lab*trj 0.476 0.0 -0.499
lab*trc 0.476 0.0 -0.499
lab*ncc 0.0 0.0 -0.499

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.59 1.18 -40.21
LAB*Lab 30.59 1.18 -40.21
LAB*TCh 25.01 40.24 271.66

relative CIELAB lab*
lab*lab 0.226 0.015 -0.499
lab*ch 0.226 0.015 -0.499
lab*nch 0.0 0.015 -0.499
relative Natural Colour (NC)
lab*trj 0.226 0.015 -0.499
lab*trc 0.226 0.015 -0.499
lab*ncc 0.0 0.015 -0.499

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 MRS18

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

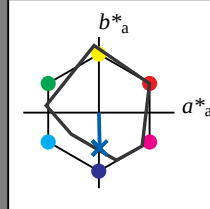
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*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 0.0 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 -0.344
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 0.23 2.14
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 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 0.63 27.16
LAB*Lab 37.51 0.63 27.16
LAB*TCh 25.0 40.24 271.66

relative CIELAB lab*
lab*lab 0.339 0.022 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.339 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ncc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 0.46
LAB*Lab 18.02 0.5 0.46
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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 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 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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0