

Eingabe: Farbmetrisches Reflexions-System NCS11

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

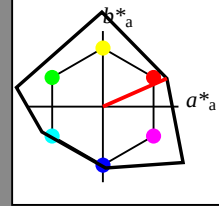
lab^*ch und lab^*nch

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)

olvi4* 1.0 1.0 1.0 (1.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi6* 1.0 1.0 1.0 (1.0)

olvi7* 1.0 1.0 1.0 (1.0)

olvi8* 1.0 1.0 1.0 (1.0)

olvi9* 1.0 1.0 1.0 (1.0)

olvi10* 1.0 1.0 1.0 (1.0)

olvi11* 1.0 1.0 1.0 (1.0)

olvi12* 1.0 1.0 1.0 (1.0)

olvi13* 1.0 1.0 1.0 (1.0)

olvi14* 1.0 1.0 1.0 (1.0)

olvi15* 1.0 1.0 1.0 (1.0)

olvi16* 1.0 1.0 1.0 (1.0)

olvi17* 1.0 1.0 1.0 (1.0)

olvi18* 1.0 1.0 1.0 (1.0)

olvi19* 1.0 1.0 1.0 (1.0)

olvi20* 1.0 1.0 1.0 (1.0)

olvi21* 1.0 1.0 1.0 (1.0)

olvi22* 1.0 1.0 1.0 (1.0)

olvi23* 1.0 1.0 1.0 (1.0)

olvi24* 1.0 1.0 1.0 (1.0)

olvi25* 1.0 1.0 1.0 (1.0)

olvi26* 1.0 1.0 1.0 (1.0)

olvi27* 1.0 1.0 1.0 (1.0)

olvi28* 1.0 1.0 1.0 (1.0)

olvi29* 1.0 1.0 1.0 (1.0)

olvi30* 1.0 1.0 1.0 (1.0)

olvi31* 1.0 1.0 1.0 (1.0)

olvi32* 1.0 1.0 1.0 (1.0)

olvi33* 1.0 1.0 1.0 (1.0)

olvi34* 1.0 1.0 1.0 (1.0)

olvi35* 1.0 1.0 1.0 (1.0)

olvi36* 1.0 1.0 1.0 (1.0)

olvi37* 1.0 1.0 1.0 (1.0)

olvi38* 1.0 1.0 1.0 (1.0)

olvi39* 1.0 1.0 1.0 (1.0)

NCS11; adaptierte CIELAB-Daten

	L*	a*	b*	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 0.75 0.75 (1.0)

olvi4* 1.0 0.75 0.75 (1.0)

olvi5* 1.0 0.75 0.75 (1.0)

olvi6* 1.0 0.75 0.75 (1.0)

olvi7* 1.0 0.75 0.75 (1.0)

olvi8* 1.0 0.75 0.75 (1.0)

olvi9* 1.0 0.75 0.75 (1.0)

olvi10* 1.0 0.75 0.75 (1.0)

olvi11* 1.0 0.75 0.75 (1.0)

olvi12* 1.0 0.75 0.75 (1.0)

olvi13* 1.0 0.75 0.75 (1.0)

olvi14* 1.0 0.75 0.75 (1.0)

olvi15* 1.0 0.75 0.75 (1.0)

olvi16* 1.0 0.75 0.75 (1.0)

olvi17* 1.0 0.75 0.75 (1.0)

olvi18* 1.0 0.75 0.75 (1.0)

olvi19* 1.0 0.75 0.75 (1.0)

olvi20* 1.0 0.75 0.75 (1.0)

olvi21* 1.0 0.75 0.75 (1.0)

olvi22* 1.0 0.75 0.75 (1.0)

olvi23* 1.0 0.75 0.75 (1.0)

olvi24* 1.0 0.75 0.75 (1.0)

olvi25* 1.0 0.75 0.75 (1.0)

olvi26* 1.0 0.75 0.75 (1.0)

olvi27* 1.0 0.75 0.75 (1.0)

olvi28* 1.0 0.75 0.75 (1.0)

olvi29* 1.0 0.75 0.75 (1.0)

olvi30* 1.0 0.75 0.75 (1.0)

olvi31* 1.0 0.75 0.75 (1.0)

olvi32* 1.0 0.75 0.75 (1.0)

olvi33* 1.0 0.75 0.75 (1.0)

olvi34* 1.0 0.75 0.75 (1.0)

olvi35* 1.0 0.75 0.75 (1.0)

olvi36* 1.0 0.75 0.75 (1.0)

olvi37* 1.0 0.75 0.75 (1.0)

olvi38* 1.0 0.75 0.75 (1.0)

olvi39* 1.0 0.75 0.75 (1.0)

olvi40* 1.0 0.75 0.75 (1.0)

olvi41* 1.0 0.75 0.75 (1.0)

olvi42* 1.0 0.75 0.75 (1.0)

olvi43* 1.0 0.75 0.75 (1.0)

olvi44* 1.0 0.75 0.75 (1.0)

olvi45* 1.0 0.75 0.75 (1.0)

olvi46* 1.0 0.75 0.75 (1.0)

olvi47* 1.0 0.75 0.75 (1.0)

olvi48* 1.0 0.75 0.75 (1.0)

olvi49* 1.0 0.75 0.75 (1.0)

olvi50* 1.0 0.75 0.75 (1.0)

olvi51* 1.0 0.75 0.75 (1.0)

olvi52* 1.0 0.75 0.75 (1.0)

olvi53* 1.0 0.75 0.75 (1.0)

olvi54* 1.0 0.75 0.75 (1.0)

olvi55* 1.0 0.75 0.75 (1.0)

olvi56* 1.0 0.75 0.75 (1.0)

olvi57* 1.0 0.75 0.75 (1.0)

olvi58* 1.0 0.75 0.75 (1.0)

olvi59* 1.0 0.75 0.75 (1.0)

olvi60* 1.0 0.75 0.75 (1.0)

olvi61* 1.0 0.75 0.75 (1.0)

olvi62* 1.0 0.75 0.75 (1.0)

olvi63* 1.0 0.75 0.75 (1.0)

olvi64* 1.0 0.75 0.75 (1.0)

olvi65* 1.0 0.75 0.75 (1.0)

olvi66* 1.0 0.75 0.75 (1.0)

olvi67* 1.0 0.75 0.75 (1.0)

olvi68* 1.0 0.75 0.75 (1.0)

olvi69* 1.0 0.75 0.75 (1.0)

olvi70* 1.0 0.75 0.75 (1.0)

olvi71* 1.0 0.75 0.75 (1.0)

olvi72* 1.0 0.75 0.75 (1.0)

olvi73* 1.0 0.75 0.75 (1.0)

olvi74* 1.0 0.75 0.75 (1.0)

olvi75* 1.0 0.75 0.75 (1.0)

olvi76* 1.0 0.75 0.75 (1.0)

olvi77* 1.0 0.75 0.75 (1.0)

olvi78* 1.0 0.75 0.75 (1.0)

olvi79* 1.0 0.75 0.75 (1.0)

olvi80* 1.0 0.75 0.75 (1.0)

olvi81* 1.0 0.75 0.75 (1.0)

olvi82* 1.0 0.75 0.75 (1.0)

olvi83* 1.0 0.75 0.75 (1.0)

olvi84* 1.0 0.75 0.75 (1.0)

olvi85* 1.0 0.75 0.75 (1.0)

olvi86* 1.0 0.75 0.75 (1.0)

olvi87* 1.0 0.75 0.75 (1.0)

olvi88* 1.0 0.75 0.75 (1.0)

olvi89* 1.0 0.75 0.75 (1.0)

olvi90* 1.0 0.75 0.75 (1.0)

olvi91* 1.0 0.75 0.75 (1.0)

olvi92* 1.0 0.75 0.75 (1.0)

olvi93* 1.0 0.75 0.75 (1.0)

olvi94* 1.0 0.75 0.75 (1.0)

olvi95* 1.0 0.75 0.75 (1.0)

olvi96* 1.0 0.75 0.75 (1.0)

olvi97* 1.0 0.75 0.75 (1.0)

olvi98* 1.0 0.75 0.75 (1.0)

olvi99* 1.0 0.75 0.75 (1.0)

olvi100* 1.0 0.75 0.75 (1.0)

olvi101* 1.0 0.75 0.75 (1.0)

olvi102* 1.0 0.75 0.75 (1.0)

olvi103* 1.0 0.75 0.75 (1.0)

olvi104* 1.0 0.75 0.75 (1.0)

olvi105* 1.0 0.75 0.75 (1.0)

olvi106* 1.0 0.75 0.75 (1.0)

olvi107* 1.0 0.75 0.75 (1.0)

olvi108* 1.0 0.75 0.75 (1.0)

olvi109* 1.0 0.75 0.75 (1.0)

olvi110* 1.0 0.75 0.75 (1.0)

olvi111* 1.0 0.75 0.75 (1.0)

olvi112* 1.0 0.75 0.75 (1.0)

olvi113* 1.0 0.75 0.75 (1.0)

olvi114* 1.0 0.75 0.75 (1.0)

olvi115* 1.0 0.75 0.75 (1.0)

olvi116* 1.0 0.75 0.75 (1.0)

olvi117* 1.0 0.75 0.75 (1.0)

olvi118* 1.0 0.75 0.75 (1.0)

olvi119* 1.0 0.75 0.75 (1.0)

olvi120* 1.0 0.75 0.75 (1.0)

olvi121* 1.0 0.75 0.75 (1.0)

olvi122* 1.0 0.75 0.75 (1.0)

olvi123* 1.0 0.75 0.75 (1.0)

olvi124* 1.0 0.75 0.75 (1.0)

olvi125* 1.0 0.75 0.75 (1.0)

olvi126* 1.0 0.75 0.75 (1.0)

olvi127* 1.0 0.75 0.75 (1.0)

olvi128* 1.0 0.75 0.75 (1.0)

olvi129* 1.0 0.75 0.75 (1.0)

olvi130* 1.0 0.75 0.75 (1.0)

olvi131* 1.0 0.75 0.75 (1.0)

olvi132* 1.0 0.75 0.75 (1.0)

olvi133* 1.0 0.75 0.75 (1.0)

olvi134* 1.0 0.75 0.75 (1.0)

olvi135* 1.0 0.75 0.75 (1.0)

olvi136* 1.0 0.75 0.75 (1.0)

olvi137* 1.0 0.75 0.75 (1.0)

olvi138* 1.0 0.75 0.75 (1.0)

olvi139* 1.0 0.75 0.75 (1.0)

olvi140* 1.0 0.75 0.75 (1.0)

olvi141* 1.0 0.75 0.75 (1.0)

olvi142* 1.0 0.75 0.75 (1.0)

olvi143* 1.0 0.75 0.75 (1.0)

olvi144* 1.0 0.75 0.75 (1.0)

olvi145* 1.0 0.75 0.75 (1.0)

olvi146* 1.0 0.75 0.75 (1.0)

olvi147* 1.0 0.75 0.75 (1.0)

olvi148* 1.0 0.75 0.75 (1.0)

olvi149* 1.0 0.75 0.75 (1.0)

olvi150* 1.0 0.75 0.75 (1.0)

olvi151* 1.0 0.75 0.75 (1.0)

olvi152* 1.0 0.75 0.75 (1.0)

<

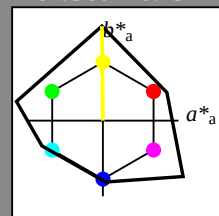
Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 91/360 = 0.252$

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 91 125 91
rgb*Ma: 1.0 1.0 0.0

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*Lab 95.41 0.0 0.0

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

relative Inform. Technology (IT)
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*Lab 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.988 -0.002 0.25
lab*ch 0.875 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.988 0.01 0.25
lab*ce 0.875 0.25 0.243
lab*nce 0.0 0.25 0.243

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*Lab 53.21 0.04 0.0

relative CIELAB lab*
lab*lab 0.738 -0.002 0.25
lab*ch 0.625 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.738 0.01 0.25
lab*ce 0.625 0.25 0.243
lab*nce 0.0 0.25 0.243

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 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*Lab 32.11 0.07 0.01

relative CIELAB lab*
lab*lab 0.488 -0.002 0.25
lab*ch 0.375 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.488 0.01 0.25
lab*ce 0.375 0.25 0.243
lab*nce 0.0 0.25 0.243

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
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

relative CIELAB lab*
lab*lab 0.238 -0.002 0.25
lab*ch 0.125 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.238 0.01 0.25
lab*ce 0.125 0.25 0.243
lab*nce 0.0 0.25 0.243

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*Lab 0.01 0.01 0.01
LAB*Lab 0.01 0.01 0.01
LAB*Lab 0.01 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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
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)
standard and adapted CIELAB
LAB*Lab 93.38 -0.62 62.5
LAB*Lab 93.38 -0.62 62.5
LAB*Lab 93.38 -0.62 62.5

relative CIELAB lab*
lab*lab 0.976 -0.004 0.5
lab*ch 0.75 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*tr 0.976 0.02 0.499
lab*ce 0.75 0.5 0.243
lab*nce 0.0 0.5 0.243

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 72.29 -0.62 62.52
LAB*Lab 72.29 -0.62 62.52
LAB*Lab 72.29 -0.62 62.52

relative CIELAB lab*
lab*lab 0.964 -0.007 0.75
lab*ch 0.625 0.75 0.252
lab*nch 0.0 0.75 0.252
relative Natural Colour (NC)
lab*tr 0.964 0.031 0.749
lab*ce 0.625 0.75 0.243
lab*nce 0.0 0.75 0.243

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 51.18 -0.59 62.51
LAB*Lab 51.18 -0.59 62.51
LAB*Lab 51.18 -0.59 62.51

relative CIELAB lab*
lab*lab 0.714 -0.007 0.75
lab*ch 0.375 0.75 0.252
lab*nch 0.0 0.75 0.252
relative Natural Colour (NC)
lab*tr 0.714 0.031 0.749
lab*ce 0.375 0.75 0.243
lab*nce 0.0 0.75 0.243

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 31.05 -0.59 62.51
LAB*Lab 31.05 -0.59 62.51
LAB*Lab 31.05 -0.59 62.51

relative CIELAB lab*
lab*lab 0.476 -0.004 0.5
lab*ch 0.25 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*tr 0.476 0.02 0.499
lab*ce 0.25 0.5 0.243
lab*nce 0.0 0.5 0.243

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
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

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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

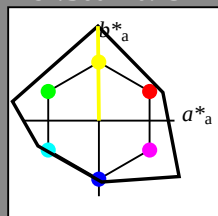
Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 91/360 = 0.252$

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 91 125 91
rgb*Ma: 1.0 1.0 0.0

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*Lab 95.41 0.0 0.0

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

relative Inform. Technology (IT)
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*Lab 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.988 -0.002 0.25
lab*ch 0.875 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.988 0.01 0.25
lab*ce 0.875 0.25 0.243
lab*nce 0.0 0.25 0.243

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*Lab 53.21 0.04 0.0

relative CIELAB lab*
lab*lab 0.738 -0.002 0.25
lab*ch 0.625 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.738 0.01 0.25
lab*ce 0.625 0.25 0.243
lab*nce 0.0 0.25 0.243

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 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*Lab 32.11 0.07 0.01

relative CIELAB lab*
lab*lab 0.488 -0.002 0.25
lab*ch 0.375 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.488 0.01 0.25
lab*ce 0.375 0.25 0.243
lab*nce 0.0 0.25 0.243

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
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

relative CIELAB lab*
lab*lab 0.238 -0.002 0.25
lab*ch 0.125 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*tr 0.238 0.01 0.25
lab*ce 0.125 0.25 0.243
lab*nce 0.0 0.25 0.243

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*Lab 0.01 0.01 0.01
LAB*Lab 0.01 0.01 0.01
LAB*Lab 0.01 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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
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)
standard and adapted CIELAB
LAB*Lab 93.38 -0.62 62.5
LAB*Lab 93.38 -0.62 62.5
LAB*Lab 93.38 -0.62 62.5

relative CIELAB lab*
lab*lab 0.976 -0.004 0.5
lab*ch 0.75 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*tr 0.976 0.02 0.499
lab*ce 0.75 0.5 0.243
lab*nce 0.0 0.5 0.243

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 72.29 -0.62 62.52
LAB*Lab 72.29 -0.62 62.52
LAB*Lab 72.29 -0.62 62.52

relative CIELAB lab*
lab*lab 0.964 -0.007 0.75
lab*ch 0.625 0.75 0.252
lab*nch 0.0 0.75 0.252
relative Natural Colour (NC)
lab*tr 0.964 0.031 0.749
lab*ce 0.625 0.75 0.243
lab*nce 0.0 0.75 0.243

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 51.18 -0.59 62.51
LAB*Lab 51.18 -0.59 62.51
LAB*Lab 51.18 -0.59 62.51

relative CIELAB lab*
lab*lab 0.714 -0.007 0.75
lab*ch 0.375 0.75 0.252
lab*nch 0.0 0.75 0.252
relative Natural Colour (NC)
lab*tr 0.714 0.031 0.749
lab*ce 0.375 0.75 0.243
lab*nce 0.0 0.75 0.243

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 31.05 -0.59 62.51
LAB*Lab 31.05 -0.59 62.51
LAB*Lab 31.05 -0.59 62.51

relative CIELAB lab*
lab*lab 0.476 -0.004 0.5
lab*ch 0.25 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*tr 0.476 0.02 0.499
lab*ce 0.25 0.5 0.243
lab*nce 0.0 0.5 0.243

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
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

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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11aput: $olv^* setrgbcolor$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonenput: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmetrisches Reflexions-System NCS11

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

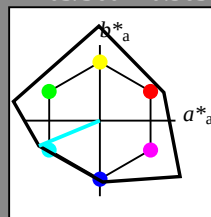
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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*ABa 95.41 0.0 0.0
LAB*TCha 99.99 0.01 -

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)
standard and adapted CIELAB
LAB*LAB 86.42 -20.12 -8.35
LAB*ABa 86.42 -20.12 -8.35
LAB*TCha 87.5 21.81 20.54

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 0.5 0.5 0.5 (0.5)
cmyn4* 0.5 0.5 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*ABa 74.31 0.02 0.0
LAB*TCha 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (0.5)
cmyn3* 0.25 0.5 0.5 (0.5)
olvi4* 0.25 0.5 0.5 (0.5)
cmyn4* 0.25 0.5 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 65.32 -20.11 -8.35
LAB*ABa 65.32 -20.11 -8.35
LAB*TCha 62.5 21.82 20.54

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.5)
cmyn3* 0.0 0.5 0.5 (0.5)
olvi4* 0.0 0.5 0.5 (0.5)
cmyn4* 0.0 0.5 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*ABa 53.21 0.04 0.0
LAB*TCha 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.5 (0.5)
cmyn3* 0.0 0.25 0.5 (0.5)
olvi4* 0.0 0.25 0.5 (0.5)
cmyn4* 0.0 0.25 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 44.22 -20.09 -8.34
LAB*ABa 44.22 -20.09 -8.34
LAB*TCha 37.5 21.82 20.54

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (0.5)
cmyn3* 0.0 0.0 0.5 (0.5)
olvi4* 0.0 0.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 32.11 0.03 0.01
LAB*ABa 32.11 0.03 0.01
LAB*TCha 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (0.25)
cmyn3* 0.0 0.0 0.25 (0.25)
olvi4* 0.0 0.0 0.25 (0.25)
cmyn4* 0.0 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 23.11 0.02 0.01
LAB*ABa 23.11 0.02 0.01
LAB*TCha 12.5 21.81 20.54

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*ABa 11.01 0.0 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 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

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

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

	$L^* = L^*_a$	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

	$L^* = L^*_a$	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

	$L^* = L^*_a$	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

	$L^* = L^*_a$	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

	$L^* = L^*_a$	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

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

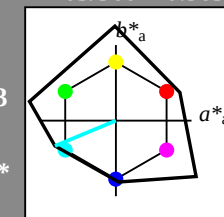
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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*ABa 95.41 0.0 0.0
LAB*TCha 99.99 0.01 -

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)
standard and adapted CIELAB
LAB*LAB 86.42 -20.12 -8.35
LAB*ABa 86.42 -20.12 -8.35
LAB*TCha 87.5 21.81 20.54

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 0.5 0.5 0.5 (0.5)
cmyn4* 0.5 0.5 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*ABa 74.31 0.02 0.0
LAB*TCha 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (0.5)
cmyn3* 0.25 0.5 0.5 (0.5)
olvi4* 0.25 0.5 0.5 (0.5)
cmyn4* 0.25 0.5 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 65.32 -20.11 -8.35
LAB*ABa 65.32 -20.11 -8.35
LAB*TCha 62.5 21.82 20.54

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.5)
cmyn3* 0.0 0.5 0.5 (0.5)
olvi4* 0.0 0.5 0.5 (0.5)
cmyn4* 0.0 0.5 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*ABa 53.21 0.04 0.0
LAB*TCha 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.5 (0.5)
cmyn3* 0.0 0.25 0.5 (0.5)
olvi4* 0.0 0.25 0.5 (0.5)
cmyn4* 0.0 0.25 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 44.22 -20.09 -8.34
LAB*ABa 44.22 -20.09 -8.34
LAB*TCha 37.5 21.82 20.54

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (0.5)
cmyn3* 0.0 0.0 0.5 (0.5)
olvi4* 0.0 0.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 32.11 0.03 0.01
LAB*ABa 32.11 0.03 0.01
LAB*TCha 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (0.25)
cmyn3* 0.0 0.0 0.25 (0.25)
olvi4* 0.0 0.0 0.25 (0.25)
cmyn4* 0.0 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 23.11 0.02 0.01
LAB*ABa 23.11 0.02 0.01
LAB*TCha 12.5 21.81 20.54

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*ABa 11.01 0.0 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*ABa 0.0 0.0 0.0
LAB*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0

setgray

Eingabe: Farbmetrisches Reflexions-System NCS11

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

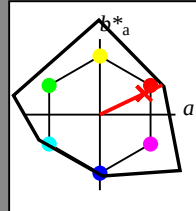
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^*



%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*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	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*Lab	95.41	0.0	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	

standard and adapted CIELAB

LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	

relative CIELAB lab*

lab*lab	0.86	0.26	0.108	
lab*lab	0.875	0.25	0.071	
lab*lab	0.875	0.25	0.071	

relative Natural Colour (NC)

lab*lab	0.86	0.26	0.108	
lab*lab	0.875	0.25	0.071	
lab*lab	0.875	0.25	0.071	

relative Inform. Technology (IT)

olvi3*	0.75	0.506	0.5	(1.0)
cmyn3*	0.25	0.494	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.494	0.5	(0.0)
LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	

standard and adapted CIELAB

LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	

relative CIELAB lab*

lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	

relative Natural Colour (NC)

lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	

relative Inform. Technology (IT)

olvi3*	0.75	0.262	0.25	(1.0)
cmyn3*	0.25	0.738	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.488	0.5	(0.0)
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

standard and adapted CIELAB

LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

relative CIELAB lab*

lab*lab	0.581	0.75	0.0	
lab*lab	0.625	0.75	0.0	
lab*lab	0.625	0.75	0.0	

relative Natural Colour (NC)

lab*lab	0.581	0.75	0.0	
lab*lab	0.625	0.75	0.0	
lab*lab	0.625	0.75	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.018	0.0	(1.0)
cmyn3*	0.25	0.982	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.488	0.5	(0.0)
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

standard and adapted CIELAB

LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

relative CIELAB lab*

lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	

relative Natural Colour (NC)

lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

TG59-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11aput: $olv^* setrgbcolor$
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $olv^* setrgbcolor / w^* setgray$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11aput: $olv^* setrgbcolor$
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $olv^* setrgbcolor / w^* setgray$

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

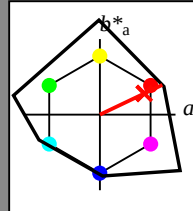
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^*



%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*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	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*Lab	95.41	0.0	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	

standard and adapted CIELAB

LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	
LAB*Lab	74.31	0.02	0.0	

relative CIELAB lab*

lab*lab	0.86	0.26	0.108	
lab*lab	0.875	0.25	0.071	
lab*lab	0.875	0.25	0.071	

relative Natural Colour (NC)

lab*lab	0.86	0.26	0.108	
lab*lab	0.875	0.25	0.071	
lab*lab	0.875	0.25	0.071	

relative Inform. Technology (IT)

olvi3*	0.75	0.506	0.5	(1.0)
cmyn3*	0.25	0.494	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.494	0.5	(0.0)
LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	

standard and adapted CIELAB

LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	
LAB*Lab	62.51	20.64	9.84	

relative CIELAB lab*

lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	

relative Natural Colour (NC)

lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	
lab*lab	0.72	0.451	0.215	

relative Inform. Technology (IT)

olvi3*	0.75	0.262	0.25	(1.0)
cmyn3*	0.25	0.738	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.488	0.5	(0.0)
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

standard and adapted CIELAB

LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

relative CIELAB lab*

lab*lab	0.581	0.75	0.0	
lab*lab	0.625	0.75	0.0	
lab*lab	0.625	0.75	0.0	

relative Natural Colour (NC)

lab*lab	0.581	0.75	0.0	
lab*lab	0.625	0.75	0.0	
lab*lab	0.625	0.75	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.018	0.0	(1.0)
cmyn3*	0.25	0.982	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.488	0.5	(0.0)
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

standard and adapted CIELAB

LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	
LAB*Lab	50.71	41.33	19.68	

relative CIELAB lab*

lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	

relative Natural Colour (NC)

lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	
lab*lab	0.331	0.677	0.323	

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

TG59-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11aput: $olv^* setrgbcolor$
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $olv^* setrgbcolor / w^* setgray$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11aput: $olv^* setrgbcolor$
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmetrisches Reflexions-System NCS11

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

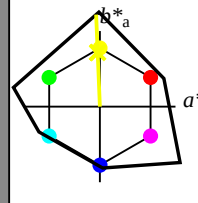
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi6* 1.0 1.0 1.0 (1.0)

olvi7* 1.0 1.0 1.0 (1.0)

olvi8* 1.0 1.0 1.0 (1.0)

olvi9* 1.0 1.0 1.0 (1.0)

olvi10* 1.0 1.0 1.0 (1.0)

olvi11* 1.0 1.0 1.0 (1.0)

olvi12* 1.0 1.0 1.0 (1.0)

olvi13* 1.0 1.0 1.0 (1.0)

olvi14* 1.0 1.0 1.0 (1.0)

olvi15* 1.0 1.0 1.0 (1.0)

olvi16* 1.0 1.0 1.0 (1.0)

olvi17* 1.0 1.0 1.0 (1.0)

olvi18* 1.0 1.0 1.0 (1.0)

olvi19* 1.0 1.0 1.0 (1.0)

olvi20* 1.0 1.0 1.0 (1.0)

olvi21* 1.0 1.0 1.0 (1.0)

olvi22* 1.0 1.0 1.0 (1.0)

olvi23* 1.0 1.0 1.0 (1.0)

olvi24* 1.0 1.0 1.0 (1.0)

olvi25* 1.0 1.0 1.0 (1.0)

olvi26* 1.0 1.0 1.0 (1.0)

olvi27* 1.0 1.0 1.0 (1.0)

olvi28* 1.0 1.0 1.0 (1.0)

olvi29* 1.0 1.0 1.0 (1.0)

olvi30* 1.0 1.0 1.0 (1.0)

olvi31* 1.0 1.0 1.0 (1.0)

olvi32* 1.0 1.0 1.0 (1.0)

olvi33* 1.0 1.0 1.0 (1.0)

olvi34* 1.0 1.0 1.0 (1.0)

olvi35* 1.0 1.0 1.0 (1.0)

olvi36* 1.0 1.0 1.0 (1.0)

olvi37* 1.0 1.0 1.0 (1.0)

olvi38* 1.0 1.0 1.0 (1.0)

olvi39* 1.0 1.0 1.0 (1.0)

olvi40* 1.0 1.0 1.0 (1.0)

olvi41* 1.0 1.0 1.0 (1.0)

olvi42* 1.0 1.0 1.0 (1.0)

olvi43* 1.0 1.0 1.0 (1.0)

olvi44* 1.0 1.0 1.0 (1.0)

olvi45* 1.0 1.0 1.0 (1.0)

olvi46* 1.0 1.0 1.0 (1.0)

olvi47* 1.0 1.0 1.0 (1.0)

olvi48* 1.0 1.0 1.0 (1.0)

olvi49* 1.0 1.0 1.0 (1.0)

olvi50* 1.0 1.0 1.0 (1.0)

olvi51* 1.0 1.0 1.0 (1.0)

olvi52* 1.0 1.0 1.0 (1.0)

olvi53* 1.0 1.0 1.0 (1.0)

olvi54* 1.0 1.0 1.0 (1.0)

olvi55* 1.0 1.0 1.0 (1.0)

olvi56* 1.0 1.0 1.0 (1.0)

olvi57* 1.0 1.0 1.0 (1.0)

olvi58* 1.0 1.0 1.0 (1.0)

olvi59* 1.0 1.0 1.0 (1.0)

olvi60* 1.0 1.0 1.0 (1.0)

olvi61* 1.0 1.0 1.0 (1.0)

olvi62* 1.0 1.0 1.0 (1.0)

olvi63* 1.0 1.0 1.0 (1.0)

olvi64* 1.0 1.0 1.0 (1.0)

olvi65* 1.0 1.0 1.0 (1.0)

olvi66* 1.0 1.0 1.0 (1.0)

olvi67* 1.0 1.0 1.0 (1.0)

olvi68* 1.0 1.0 1.0 (1.0)

olvi69* 1.0 1.0 1.0 (1.0)

olvi70* 1.0 1.0 1.0 (1.0)

olvi71* 1.0 1.0 1.0 (1.0)

olvi72* 1.0 1.0 1.0 (1.0)

olvi73* 1.0 1.0 1.0 (1.0)

olvi74* 1.0 1.0 1.0 (1.0)

olvi75* 1.0 1.0 1.0 (1.0)

olvi76* 1.0 1.0 1.0 (1.0)

olvi77* 1.0 1.0 1.0 (1.0)

olvi78* 1.0 1.0 1.0 (1.0)

olvi79* 1.0 1.0 1.0 (1.0)

olvi80* 1.0 1.0 1.0 (1.0)

olvi81* 1.0 1.0 1.0 (1.0)

olvi82* 1.0 1.0 1.0 (1.0)

olvi83* 1.0 1.0 1.0 (1.0)

olvi84* 1.0 1.0 1.0 (1.0)

olvi85* 1.0 1.0 1.0 (1.0)

olvi86* 1.0 1.0 1.0 (1.0)

olvi87* 1.0 1.0 1.0 (1.0)

olvi88* 1.0 1.0 1.0 (1.0)

olvi89* 1.0 1.0 1.0 (1.0)

olvi90* 1.0 1.0 1.0 (1.0)

olvi91* 1.0 1.0 1.0 (1.0)

olvi92* 1.0 1.0 1.0 (1.0)

olvi93* 1.0 1.0 1.0 (1.0)

olvi94* 1.0 1.0 1.0 (1.0)

olvi95* 1.0 1.0 1.0 (1.0)

olvi96* 1.0 1.0 1.0 (1.0)

olvi97* 1.0 1.0 1.0 (1.0)

olvi98* 1.0 1.0 1.0 (1.0)

olvi99* 1.0 1.0 1.0 (1.0)

olvi100* 1.0 1.0 1.0 (1.0)

olvi101* 1.0 1.0 1.0 (1.0)

olvi102* 1.0 1.0 1.0 (1.0)

olvi103* 1.0 1.0 1.0 (1.0)

olvi104* 1.0 1.0 1.0 (1.0)

olvi105* 1.0 1.0 1.0 (1.0)

olvi106* 1.0 1.0 1.0 (1.0)

olvi107* 1.0 1.0 1.0 (1.0)

olvi108* 1.0 1.0 1.0 (1.0)

olvi109* 1.0 1.0 1.0 (1.0)

olvi110* 1.0 1.0 1.0 (1.0)

olvi111* 1.0 1.0 1.0 (1.0)

olvi112* 1.0 1.0 1.0 (1.0)

olvi113* 1.0 1.0 1.0 (1.0)

olvi114* 1.0 1.0 1.0 (1.0)

olvi115* 1.0 1.0 1.0 (1.0)

olvi116* 1.0 1.0 1.0 (1.0)

olvi117* 1.0 1.0 1.0 (1.0)

olvi118* 1.0 1.0 1.0 (1.0)

olvi119* 1.0 1.0 1.0 (1.0)

olvi120* 1.0 1.0 1.0 (1.0)

olvi121* 1.0 1.0 1.0 (1.0)

olvi122* 1.0 1.0 1.0 (1.0)

olvi123* 1.0 1.0 1.0 (1.0)

olvi124* 1.0 1.0 1.0 (1.0)

olvi125* 1.0 1.0 1.0 (1.0)

olvi126* 1.0 1.0 1.0 (1.0)

olvi127* 1.0 1.0 1.0 (1.0)

olvi128* 1.0 1.0 1.0 (1.0)

olvi129* 1.0 1.0 1.0 (1.0)

olvi130* 1.0 1.0 1.0 (1.0)

olvi131* 1.0 1.0 1.0 (1.0)

olvi132* 1.0 1.0 1.0 (1.0)

olvi133* 1.0 1.0 1.0 (1.0)

olvi134* 1.0 1.0 1.0 (1.0)

olvi135* 1.0 1.0 1.0 (1.0)

olvi136* 1.0 1.0 1.0 (1.0)

olvi137* 1.0 1.0 1.0 (1.0)

olvi138* 1.0 1.0 1.0 (1.0)

olvi139* 1.0 1.0 1.0 (1.0)

olvi140* 1.0 1.0 1.0 (1.0)

olvi141* 1.0 1.0 1.0 (1.0)

olvi142* 1.0 1.0 1.0 (1.0)

olvi143* 1.0 1.0 1.0 (1.0)

olvi144* 1.0 1.0 1.0 (1.0)

olvi145* 1.0 1.0 1.0 (1.0)

olvi146* 1.0 1.0 1.0 (1.0)

olvi147* 1.0 1.0 1.0 (1.0)

olvi148* 1.0 1.0 1.0 (1.0)

olvi149* 1.0 1.0 1.0 (1.0)

olvi150* 1.0 1.0 1.0 (1.0)

olvi151* 1.0 1.0 1.0 (1.0)

olvi152* 1.0 1.0 1.0 (1.0)

olvi153* 1.0 1.0 1.0 (1.0)

olvi154* 1.0 1.0 1.0 (1.0)

olvi155* 1.0 1.0 1.0 (1.0)

olvi156* 1.0 1.0 1.0 (1.0)

olvi157* 1.0 1.0 1.0 (1.0)

olvi158* 1.0 1.0 1.0 (1.0)

olvi159* 1.0 1.0 1.0 (1.0)

olvi160* 1.0 1.0 1.0 (1.0)

olvi161* 1.0 1.0 1.0 (1.0)

olvi162* 1.0 1.0 1.0 (1.0)

olvi163* 1.0 1.0 1.0 (1.0)

olvi164* 1.0 1.0 1.0 (1.0)

olvi165* 1.0 1.0 1.0 (1.0)

olvi166* 1.0 1.0 1.0 (1.0)

olvi167* 1.0 1.0 1.0 (1.0)

olvi168* 1.0 1.0 1.0 (1.0)

olvi169* 1.0 1.0 1.0 (1.0)

olvi170* 1.0 1.0 1.0 (1.0)

olvi171* 1.0 1.0 1.0 (1.0)

olvi172* 1.0 1.0 1.0 (1.0)

olvi173* 1.0 1.0 1.0 (1.0)

olvi174* 1.0 1.0 1.0 (1.0)

olvi175* 1.0 1.0 1.0 (1.0)

olvi176* 1.0 1.0 1.0 (1.0)

olvi177* 1.0 1.0 1.0 (1.0)

olvi178* 1.0 1.0 1.0 (1.0)

olvi179* 1.0 1.0 1.0 (1.0)

olvi180* 1.0 1.0 1.0 (1.0)

olvi181* 1.0 1.0 1.0 (1.0)

olvi182* 1.0 1.0 1.0 (1.0)

olvi183* 1.0 1.0 1.0 (1.0)

olvi184* 1.0 1.0 1.0 (1.0)

olvi185* 1.0 1.0 1.0 (1.0)

olvi186* 1.0 1.0 1.0 (1.0)

olvi187* 1.0 1.0 1.0 (1.0)

olvi188* 1.0 1.0 1.0 (1.0)

olvi189* 1.0 1.0 1.0 (1.0)

olvi190* 1.0 1.0 1.0 (1.0)

olvi191* 1.0 1.0 1.0 (1.0)

olvi192* 1.0 1.0 1.0 (1.0)

olvi193* 1.0 1.0 1.0 (1.0)

olvi194* 1.0 1.0 1.0 (1.0)

olvi195* 1.0 1.0 1.0 (1.0)

olvi196* 1.0 1.0 1.0 (1.0)

olvi197* 1.0 1.0 1.0 (1.0)

olvi198* 1.0 1.0 1.0 (1.0)

olvi199* 1.0 1.0 1.0 (1.0)

olvi200* 1.0 1.0 1.0 (1.0)

olvi201* 1.0 1.0 1.0 (1.0)

olvi202* 1.0 1.0 1.0 (1.0)

olvi203* 1.0 1.0 1.0 (1.0)

olvi204* 1.0 1.0 1.0 (1.0)

olvi205* 1.0 1.0 1.0 (1.0)

olvi206* 1.0 1.0 1.0 (1.0)

olvi207* 1.0 1.0 1.0 (1.0)

olvi208* 1.0 1.0 1.0 (1.0)

olvi209* 1.0 1.0 1.0 (1.0)

olvi210* 1.0 1.0 1.0 (1.0)

olvi211* 1.0 1.0 1.0 (1.0)

olvi212* 1.0 1.0 1.0 (1.0)

olvi213* 1.0 1.0 1.0 (1.0)

olvi214* 1.0 1.0 1.0 (1.

Eingabe: Farbmetrisches Reflexions-System NCS11

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

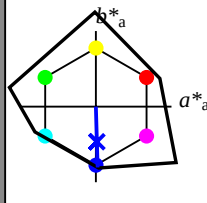
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
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 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*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 53.21 0.04 0.0
LAB*LABc 53.21 0.04 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 32.11 0.07 0.01
LAB*LABa 32.11 0.07 0.01
LAB*LABb 32.11 0.07 0.01
LAB*LABc 32.11 0.07 0.01

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 11.01 0.07 0.01
LAB*LABc 11.01 0.07 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 0.01 0.01
LAB*LABc 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 0.01 0.01
LAB*LABc 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 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
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 0.5 0.5 (1.0)
olvi4* 0.5 0.5 0.5 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 72.29 1.2 -40.21
LAB*LABa 72.29 1.2 -40.21
LAB*LABb 72.29 1.2 -40.21
LAB*LABc 72.29 1.2 -40.21

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*lab 0.726 0.014 -0.499
lab*ch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.012 0.75 (1.0)
olvi4* 0.75 0.742 0.25 (0.0)
olvi5* 0.5 0.508 1.0 (0.75)
olvi6* 0.5 0.492 0.0 (0.25)
olvi7* 0.0 0.492 0.0 (0.25)
LAB*LAB 51.19 1.21 -40.21
LAB*LABa 51.19 1.21 -40.21
LAB*LABb 51.19 1.21 -40.21
LAB*LABc 51.19 1.21 -40.21

relative CIELAB lab*
lab*lab 0.476 0.015 -0.499
lab*ch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lab 0.476 0.015 -0.499
lab*ch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.008 0.5 (0.0)
olvi4* 1.0 0.988 0.25 (0.0)
olvi5* 0.5 0.508 1.0 (0.75)
olvi6* 0.5 0.492 0.0 (0.25)
olvi7* 0.0 0.492 0.0 (0.25)
LAB*LAB 30.99 1.18 -40.21
LAB*LABa 30.99 1.18 -40.21
LAB*LABb 30.99 1.18 -40.21
LAB*LABc 30.99 1.18 -40.21

relative CIELAB lab*
lab*lab 0.226 0.015 -0.499
lab*ch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lab 0.226 0.015 -0.499
lab*ch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 0.996 0.75 (0.0)
olvi5* 0.5 0.508 1.0 (0.75)
olvi6* 0.5 0.492 0.0 (0.25)
olvi7* 0.0 0.492 0.0 (0.25)
LAB*LAB 20.54 0.59 -20.1
LAB*LABa 20.54 0.59 -20.1
LAB*LABb 20.54 0.59 -20.1
LAB*LABc 20.54 0.59 -20.1

relative CIELAB lab*
lab*lab 0.113 0.007 -0.249
lab*ch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*lab 0.113 0.007 -0.249
lab*ch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 0.01 0.01
LAB*LABc 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 0.01 0.01
LAB*LABc 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

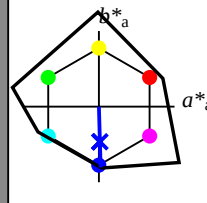
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
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 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*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 53.21 0.04 0.0
LAB*LABc 53.21 0.04 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 32.11 0.07 0.01
LAB*LABa 32.11 0.07 0.01
LAB*LABb 32.11 0.07 0.01
LAB*LABc 32.11 0.07 0.01

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 11.01 0.07 0.01
LAB*LABc 11.01 0.07 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 0.01 0.01
LAB*LABc 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 0.01 0.01
LAB*LABc 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 1.0 1.0 1.0 (1.0)
lab*nch 0.0 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
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 0.5 0.5 (1.0)
olvi4* 0.5 0.5 0.5 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 72.29 1.2 -40.21
LAB*LABa 72.29 1.2 -40.21
LAB*LABb 72.29 1.2 -40.21
LAB*LABc 72.29 1.2 -40.21

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*lab 0.726 0.014 -0.499
lab*ch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.012 0.75 (1.0)
olvi4* 0.75 0.742 0.25 (0.0)
olvi5* 0.5 0.508 1.0 (0.75)
olvi6* 0.5 0.492 0.0 (0.25)
olvi7* 0.0 0.492 0.0 (0.25)
LAB*LAB 51.19 1.21 -40.21
LAB*LABa 51.19 1.21 -40.21
LAB*LABb 51.19 1.21 -40.21
LAB*LABc 51.19 1.21 -40.21

relative CIELAB lab*
lab*lab 0.476 0.015 -0.499
lab*ch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lab 0.476 0.015 -0.499
lab*ch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.008 0.5 (0.0)
olvi4* 1.0 0.988 0.25 (0.0)
olvi