

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$

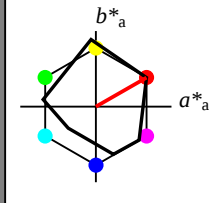
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

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)

MRS18; adaptierte CIELAB-Daten

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

%Regelartität

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

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

relative Inform. Technology (IT)

olvi3* 1.0 0.5 0.5 (1.0)

olvi4* 1.0 0.5 0.5 (1.0)

olvi5* 1.0 0.5 0.5 (1.0)

olvi6* 1.0 0.5 0.5 (1.0)

olvi7* 1.0 0.5 0.5 (1.0)

olvi8* 1.0 0.5 0.5 (1.0)

olvi9* 1.0 0.5 0.5 (1.0)

olvi10* 1.0 0.5 0.5 (1.0)

olvi11* 1.0 0.5 0.5 (1.0)

olvi12* 1.0 0.5 0.5 (1.0)

olvi13* 1.0 0.5 0.5 (1.0)

olvi14* 1.0 0.5 0.5 (1.0)

olvi15* 1.0 0.5 0.5 (1.0)

olvi16* 1.0 0.5 0.5 (1.0)

olvi17* 1.0 0.5 0.5 (1.0)

olvi18* 1.0 0.5 0.5 (1.0)

olvi19* 1.0 0.5 0.5 (1.0)

olvi20* 1.0 0.5 0.5 (1.0)

olvi21* 1.0 0.5 0.5 (1.0)

olvi22* 1.0 0.5 0.5 (1.0)

olvi23* 1.0 0.5 0.5 (1.0)

olvi24* 1.0 0.5 0.5 (1.0)

olvi25* 1.0 0.5 0.5 (1.0)

olvi26* 1.0 0.5 0.5 (1.0)

olvi27* 1.0 0.5 0.5 (1.0)

olvi28* 1.0 0.5 0.5 (1.0)

olvi29* 1.0 0.5 0.5 (1.0)

olvi30* 1.0 0.5 0.5 (1.0)

olvi31* 1.0 0.5 0.5 (1.0)

olvi32* 1.0 0.5 0.5 (1.0)

olvi33* 1.0 0.5 0.5 (1.0)

olvi34* 1.0 0.5 0.5 (1.0)

olvi35* 1.0 0.5 0.5 (1.0)

olvi36* 1.0 0.5 0.5 (1.0)

olvi37* 1.0 0.5 0.5 (1.0)

olvi38* 1.0 0.5 0.5 (1.0)

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olvi40* 1.0 0.5 0.5 (1.0)

olvi41* 1.0 0.5 0.5 (1.0)

olvi42* 1.0 0.5 0.5 (1.0)

olvi43* 1.0 0.5 0.5 (1.0)

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olvi45* 1.0 0.5 0.5 (1.0)

olvi46* 1.0 0.5 0.5 (1.0)

olvi47* 1.0 0.5 0.5 (1.0)

olvi48* 1.0 0.5 0.5 (1.0)

olvi49* 1.0 0.5 0.5 (1.0)

olvi50* 1.0 0.5 0.5 (1.0)

olvi51* 1.0 0.5 0.5 (1.0)

olvi52* 1.0 0.5 0.5 (1.0)

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olvi54* 1.0 0.5 0.5 (1.0)

olvi55* 1.0 0.5 0.5 (1.0)

olvi56* 1.0 0.5 0.5 (1.0)

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olvi58* 1.0 0.5 0.5 (1.0)

olvi59* 1.0 0.5 0.5 (1.0)

olvi60* 1.0 0.5 0.5 (1.0)

olvi61* 1.0 0.5 0.5 (1.0)

olvi62* 1.0 0.5 0.5 (1.0)

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olvi64* 1.0 0.5 0.5 (1.0)

olvi65* 1.0 0.5 0.5 (1.0)

olvi66* 1.0 0.5 0.5 (1.0)

olvi67* 1.0 0.5 0.5 (1.0)

olvi68* 1.0 0.5 0.5 (1.0)

olvi69* 1.0 0.5 0.5 (1.0)

olvi70* 1.0 0.5 0.5 (1.0)

olvi71* 1.0 0.5 0.5 (1.0)

olvi72* 1.0 0.5 0.5 (1.0)

olvi73* 1.0 0.5 0.5 (1.0)

olvi74* 1.0 0.5 0.5 (1.0)

olvi75* 1.0 0.5 0.5 (1.0)

olvi76* 1.0 0.5 0.5 (1.0)

olvi77* 1.0 0.5 0.5 (1.0)

olvi78* 1.0 0.5 0.5 (1.0)

olvi79* 1.0 0.5 0.5 (1.0)

olvi80* 1.0 0.5 0.5 (1.0)

olvi81* 1.0 0.5 0.5 (1.0)

olvi82* 1.0 0.5 0.5 (1.0)

olvi83* 1.0 0.5 0.5 (1.0)

olvi84* 1.0 0.5 0.5 (1.0)

olvi85* 1.0 0.5 0.5 (1.0)

olvi86* 1.0 0.5 0.5 (1.0)

olvi87* 1.0 0.5 0.5 (1.0)

olvi88* 1.0 0.5 0.5 (1.0)

olvi89* 1.0 0.5 0.5 (1.0)

olvi90* 1.0 0.5 0.5 (1.0)

olvi91* 1.0 0.5 0.5 (1.0)

olvi92* 1.0 0.5 0.5 (1.0)

olvi93* 1.0 0.5 0.5 (1.0)

olvi94* 1.0 0.5 0.5 (1.0)

olvi95* 1.0 0.5 0.5 (1.0)

olvi96* 1.0 0.5 0.5 (1.0)

olvi97* 1.0 0.5 0.5 (1.0)

olvi98* 1.0 0.5 0.5 (1.0)

olvi99* 1.0 0.5 0.5 (1.0)

olvi100* 1.0 0.5 0.5 (1.0)

olvi101* 1.0 0.5 0.5 (1.0)

olvi102* 1.0 0.5 0.5 (1.0)

olvi103* 1.0 0.5 0.5 (1.0)

olvi104* 1.0 0.5 0.5 (1.0)

olvi105* 1.0 0.5 0.5 (1.0)

olvi106* 1.0 0.5 0.5 (1.0)

olvi107* 1.0 0.5 0.5 (1.0)

olvi108* 1.0 0.5 0.5 (1.0)

olvi109* 1.0 0.5 0.5 (1.0)

olvi110* 1.0 0.5 0.5 (1.0)

olvi111* 1.0 0.5 0.5 (1.0)

olvi112* 1.0 0.5 0.5 (1.0)

olvi113* 1.0 0.5 0.5 (1.0)

olvi114* 1.0 0.5 0.5 (1.0)

olvi115* 1.0 0.5 0.5 (1.0)

olvi116* 1.0 0.5 0.5 (1.0)

olvi117* 1.0 0.5 0.5 (1.0)

olvi118* 1.0 0.5 0.5 (1.0)

olvi119* 1.0 0.5 0.5 (1.0)

olvi120* 1.0 0.5 0.5 (1.0)

olvi121* 1.0 0.5 0.5 (1.0)

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olvi123* 1.0 0.5 0.5 (1.0)

olvi124* 1.0 0.5 0.5 (1.0)

olvi125* 1.0 0.5 0.5 (1.0)

olvi126* 1.0 0.5 0.5 (1.0)

olvi127* 1.0 0.5 0.5 (1.0)

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olvi129* 1.0 0.5 0.5 (1.0)

olvi130* 1.0 0.5 0.5 (1.0)

olvi131* 1.0 0.5 0.5 (1.0)

olvi132* 1.0 0.5 0.5 (1.0)

olvi133* 1.0 0.5 0.5 (1.0)

olvi134* 1.0 0.5 0.5 (1.0)

olvi135* 1.0 0.5 0.5 (1.0)

olvi136* 1.0 0.5 0.5 (1.0)

olvi137* 1.0 0.5 0.5 (1.0)

olvi138* 1.0 0.5 0.5 (1.0)

olvi139* 1.0 0.5 0.5 (1.0)

olvi140* 1.0 0.5 0.5 (1.0)

olvi141* 1.0 0.5 0.5 (1.0)

olvi142* 1.0 0.5 0.5 (1.0)

olvi143* 1.0 0.5 0.5 (1.0)

olvi144* 1.0 0.5 0.5 (1.0)

olvi145* 1.0 0.5 0.5 (1.0)

olvi146* 1.0 0.5 0.5 (1.0)

olvi147* 1.0 0.5 0.5 (1.0)

olvi148* 1.0 0.5 0.5 (1.0)

olvi149* 1.0 0.5 0.5 (1.0)

olvi150* 1.0 0.5 0.5 (1.0)

olvi151* 1.0 0.5 0.5 (1.0)

olvi152* 1.0 0.5 0.5 (1.0)

olvi153* 1.0 0.5 0.5 (1.0)

olvi154* 1.0 0.5 0.5 (1.0)

olvi155* 1.0 0.5 0.5 (1.0)

olvi156* 1.0 0.5 0.5 (1.0)

olvi157* 1.0 0.5 0.5 (1.0)

olvi158* 1.0 0.5 0.5 (1.0)

olvi159* 1.0 0.5 0.5 (1.0)

ol

Eingabe: Farbmetrisches Reflexions-System MRS18

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

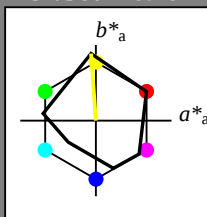
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 -0.97 47.5
LAB*LAB 95.41 0.0 0.0
LAB*LAB 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 47.5
LAB*LAB 95.41 0.0 0.0
LAB*LAB 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.0 0.75 0.0
lab*lab 0.0 0.0 0.75
lab*lab 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.0 0.5 0.0
lab*lab 0.0 0.0 0.5
lab*lab 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 50.00 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 37.36 -0.38 0.63
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.0 0.25 0.0
lab*lab 0.0 0.0 0.25
lab*lab 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.63
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
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NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
olvi3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 93.05 -4.11 48.97
LAB*LAB 93.05 -3.17 44.37
LAB*LAB 75.00 44.48 94.1

relative CIELAB lab*
lab*lab 0.989 -0.017 0.249
lab*lab 0.875 0.25 0.261
lab*lab 0.0 0.25 0.261
lab*lab 0.0 0.25 0.261
standard and adapted CIELAB
LAB*LAB 93.05 -4.11 48.97
LAB*LAB 93.05 -3.17 44.37
LAB*LAB 75.00 44.48 94.1

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
olvi3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 91.87 -5.68 71.07
LAB*LAB 91.87 -4.77 66.55
LAB*LAB 62.5 66.73 94.1

relative CIELAB lab*
lab*lab 0.954 -0.053 0.748
lab*lab 0.625 0.75 0.261
lab*lab 0.0 0.75 0.261
lab*lab 0.0 0.75 0.261
standard and adapted CIELAB
LAB*LAB 91.87 -5.68 71.07
LAB*LAB 91.87 -4.77 66.55
LAB*LAB 62.5 66.73 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 73.7 -3.74 47.67
LAB*LAB 73.7 -3.17 44.38
LAB*LAB 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.7 -0.035 0.499
lab*lab 0.5 0.5 0.261
lab*lab 0.0 0.5 0.261
lab*lab 0.0 0.5 0.261
standard and adapted CIELAB
LAB*LAB 73.7 -3.74 47.67
LAB*LAB 73.7 -3.17 44.38
LAB*LAB 50.0 44.49 94.1

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
olvi3* 0.75 0.75 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 44.35 -3.17 44.38
LAB*LAB 44.35 -3.17 44.38
LAB*LAB 25.01 44.48 94.1

relative CIELAB lab*
lab*lab 0.47 -0.035 0.499
lab*lab 0.25 0.5 0.261
lab*lab 0.0 0.5 0.261
lab*lab 0.0 0.5 0.261
standard and adapted CIELAB
LAB*LAB 44.35 -3.17 44.38
LAB*LAB 44.35 -3.17 44.38
LAB*LAB 25.01 44.48 94.1

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
olvi3* 1.0 1.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 36.16 -1.43 22.84
LAB*LAB 36.16 -1.58 22.18
LAB*LAB 12.5 22.24 94.1

relative CIELAB lab*
lab*lab 0.235 -0.017 0.249
lab*lab 0.125 0.25 0.261
lab*lab 0.0 0.25 0.261
lab*lab 0.0 0.25 0.261
standard and adapted CIELAB
LAB*LAB 36.16 -1.43 22.84
LAB*LAB 36.16 -1.58 22.18
LAB*LAB 12.5 22.24 94.1

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

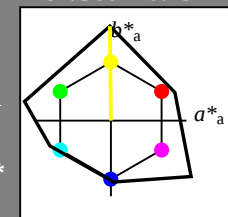
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 0.0 -0.01
LAB*LAB 95.41 0.0 0.0
LAB*LAB 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 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 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.989 -0.017 0.249
lab*lab 0.875 0.25 0.261
lab*lab 0.0 0.25 0.261
lab*lab 0.0 0.25 0.261
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.954 -0.053 0.748
lab*lab 0.625 0.75 0.261
lab*lab 0.0 0.75 0.261
lab*lab 0.0 0.75 0.261
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
olvi3* 0.75 0.75 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.0 0.0
LAB*LAB 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.738 -0.002 0.25
lab*lab 0.5 0.5 0.252
lab*lab 0.0 0.5 0.252
lab*lab 0.0 0.5 0.252
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.0 0.0
LAB*LAB 50.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
olvi3* 1.0 1.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 31.05 0.05 0.01
LAB*LAB 31.05 -0.31 21.24
LAB*LAB 12.5 31.25 90.59

relative CIELAB lab*
lab*lab 0.488 -0.004 0.5
lab*lab 0.375 0.25 0.252
lab*lab 0.0 0.25 0.252
lab*lab 0.0 0.25 0.252
standard and adapted CIELAB
LAB*LAB 31.05 0.05 0.01
LAB*LAB 31.05 -0.31 21.24
LAB*LAB 12.5 31.25 90.59

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 0.0
LAB*LAB 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 0.0
LAB*LAB 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* 1.0 1.0 0.5 (1.0)
olvi3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 93.38 -0.62 62.5
LAB*LAB 93.38 -0.63 62.5
LAB*LAB 75.00 62.5 90.59

relative CIELAB lab*
lab*lab 0.976 -0.004 0.5
lab*lab 0.875 0.25 0.252
lab*lab 0.0 0.25 0.252
lab*lab 0.0 0.25 0.252
standard and adapted CIELAB
LAB*LAB 93.38 -0.62 62.5
LAB*LAB 93.38 -0.63 62.5
LAB*LAB 75.00 62.5 90.59

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
olvi3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 91.36 -1.26 125.0
LAB*LAB 91.36 -1.27 125.0
LAB*LAB 62.5 125.01 90.59

relative CIELAB lab*
lab*lab 0.964 0.031 0.749
lab*lab 0.625 0.75 0.252
lab*lab 0.0 0.75 0.252
lab*lab 0.0 0.75 0.252
standard and adapted CIELAB
LAB*LAB 91.36 -1.26 125.0
LAB*LAB 91.36 -1.27 125.0
LAB*LAB 62.5 125.01 90.59

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 72.29 -0.63 62.51
LAB*LAB 72.29 -0.63 62.51
LAB*LAB 50.0 62.52 90.59

relative CIELAB lab*
lab*lab 0.964 0.031 0.749
lab*lab 0.625 0.75 0.252
lab*lab 0.0 0.75 0.252
lab*lab 0.0 0.75 0.252
standard and adapted CIELAB
LAB*LAB 72.29 -0.63 62.51
LAB*LAB 72.29 -0.63 62.51
LAB*LAB 50.0 62.52 90.59

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
olvi3* 0.75 0.75 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (0.0)
LAB*LAB 51.18 -0.63 62.5
LAB*LAB 51.18 -0.63 62.5
LAB*LAB 25.01 62.5 90.59

relative CIELAB lab*
lab*lab 0.476 -0.004 0.5
lab*lab 0.375 0.25 0.252
lab*lab 0.0 0.25 0.252
lab*lab 0.0 0.25 0.252
standard and adapted CIELAB
LAB*LAB 51.18 -0.63 62.5
LAB*LAB 51.18 -0.63 62.5
LAB*LAB 25.01 62.5 90.59

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
LAB*LAB 31.05 0.05 0.01
LAB*LAB 31.05 -0.31 21.24
LAB*LAB 12.5 31.25 90.59

relative CIELAB lab*
lab*lab 0.476 -0.004 0.5
lab*lab 0.375 0.25 0.252
lab*lab 0.0 0.25 0.252

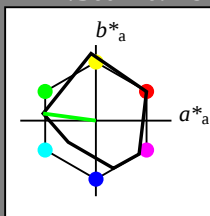
Eingabe: Farbmetrisches Reflexions-System MRS18

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

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

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

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

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

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

MRS18; adaptierte CIELAB-Daten

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

%Umfang

$u^*_{rel} = 91$

%Regularität

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

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

%Regulartät

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

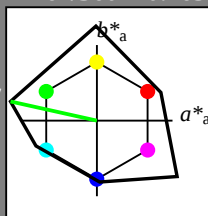
Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 63 117 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.0 0.0
LAB*LABb 74.31 0.0 0.0
LAB*LABc 74.31 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 53.21 0.0 0.0
LAB*LABc 53.21 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 32.11 0.0 0.0
LAB*LABc 32.11 0.0 0.0

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

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

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

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

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Regulartät

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

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$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

BAM-Prüfvorlage TG53; Farbmetrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

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

Output: Startup (S) data dependent

C M Y O L V

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

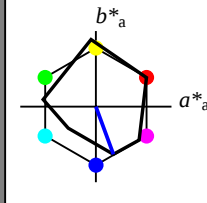
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

MRS18; adaptierte CIELAB-Daten

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

%Umfang

$u^*_{rel} = 91$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

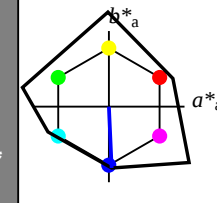
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

standard and adapted CIELAB

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System MRS18

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

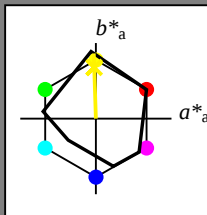
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 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)
LAB*LAB 95.41 -0.97 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 0.0 0.0 0.0

relative Natural Colour (NC)

olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*TCa 75.00 0.01 -

standard and adapted CIELAB

LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*TCa 75.00 0.01 -

relative CIELAB lab*

lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*nc 0.75 0.75 0.75 (1.0)

relative Natural Colour (NC)

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 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*TCa 50.00 0.01 -

standard and adapted CIELAB

LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*TCa 50.00 0.01 -

relative CIELAB lab*

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

relative Natural Colour (NC)

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 37.36 -0.68 1.33
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

standard and adapted CIELAB

LAB*LAB 37.36 -0.68 1.33
LAB*LAB 37.36 0.0 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 0.25 0.25 0.25 (0.0)
lab*tr 0.25 0.25 0.25 (0.0)
lab*tc 0.25 0.25 0.25 (0.0)
lab*nc 0.25 0.25 0.25 (0.0)

relative Natural Colour (NC)

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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

standard and adapted CIELAB

MRS18; adaptierte CIELAB-Daten

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

%Umfang

$u^*_{rel} = 91$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

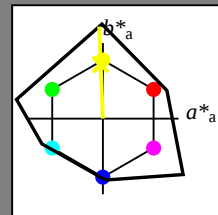
lab^*ch und lab^*nch

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)
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*TCa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 0.0 0.0 0.0

relative Natural Colour (NC)

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 0.0 0.0
LAB*TCa 75.00 0.01 -

standard and adapted CIELAB

LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.0 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 0.75 0.75 0.75 (1.0)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*nc 0.75 0.75 0.75 (1.0)

relative Natural Colour (NC)

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 53.21 0.04 0.0
LAB*LAB 53.21 0.0 0.0
LAB*TCa 50.00 0.01 -

standard and adapted CIELAB

LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.0 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 0.5 0.5 0.5 (0.0)
lab*tr 0.5 0.5 0.5 (0.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*nc 0.5 0.5 0.5 (0.0)

relative Natural Colour (NC)

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 32.11 0.05 0.0
LAB*LAB 32.11 0.0 0.0
LAB*TCa 25.00 0.01 -

standard and adapted CIELAB

LAB*LAB 32.11 0.05 0.0
LAB*LAB 32.11 0.0 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 0.25 0.25 0.25 (0.0)
lab*tr 0.25 0.25 0.25 (0.0)
lab*tc 0.25 0.25 0.25 (0.0)
lab*nc 0.25 0.25 0.25 (0.0)

relative Natural Colour (NC)

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)
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 0.0
LAB*TCa 0.01 0.01 -

standard and adapted CIELAB

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

TG53-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage TG53; Farbmetrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $Startup (S) data dependend$

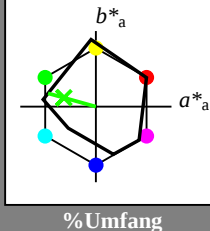
Eingabe: Farbmetrisches Reflexions-System MRS18

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

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 56 66 164
rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

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

standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 -

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*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 0.01 -

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

standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 0.01 -

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

standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

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*lab 0.0 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* 0.0 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)
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 (1.0)
cmyn4* 0.224 0.0 0.25 (0.0)
LAB*LAB 85.57 -16.58 8.49
LAB*LABa 85.57 -15.79 4.4
LAB*LABb 87.5 16.4 164.45

relative CIELAB lab*
lab*lab 0.873 -0.24 0.067
lab*ch 0.873 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lab 0.873 -0.24 0.067
lab*ch 0.873 0.25 0.457
lab*nch 0.0 0.25 0.457

standard and adapted CIELAB
LAB*LAB 66.22 -16.22 7.19
LAB*LABa 66.22 -15.8 4.4
LAB*LABb 62.5 16.41 164.46

relative CIELAB lab*
lab*lab 0.623 -0.24 0.067
lab*ch 0.623 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lab 0.623 -0.24 0.067
lab*ch 0.623 0.25 0.457
lab*nch 0.0 0.25 0.457

standard and adapted CIELAB
LAB*LAB 46.86 -13.85 5.88
LAB*LABa 46.87 -13.4 4.4
LAB*LABb 37.5 16.41 164.46

relative CIELAB lab*
lab*lab 0.373 -0.24 0.067
lab*ch 0.373 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lab 0.373 -0.24 0.067
lab*ch 0.373 0.25 0.457
lab*nch 0.0 0.25 0.457

standard and adapted CIELAB
LAB*LAB 27.04 -0.47 9.6
LAB*LABa 27.04 -0.47 9.6
LAB*LABb 25.01 32.81 164.46

relative CIELAB lab*
lab*lab 0.123 -0.24 0.067
lab*ch 0.123 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lab 0.123 -0.24 0.067
lab*ch 0.123 0.25 0.457
lab*nch 0.0 0.25 0.457

standard and adapted CIELAB
LAB*LAB 12.5 0.0 0.0
LAB*LABa 12.5 0.0 0.0
LAB*LABb 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 0.0
LAB*LABb 0.01 0.01 -

MRS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.351 1.0 0.5 (1.0)
cmyn3* 0.649 0.0 0.5 (0.0)
olvi4* 0.351 1.0 0.5 (1.0)
cmyn4* 0.649 0.0 0.5 (0.0)
LAB*LAB 75.74 -32.2 12.22
LAB*LABa 75.74 -31.6 8.79
LAB*LABb 75.0 32.81 164.46

relative CIELAB lab*
lab*lab 0.746 -0.481 0.134
lab*ch 0.746 0.5 0.5
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*lab 0.746 -0.481 0.134
lab*ch 0.746 0.5 0.5
lab*nch 0.0 0.5 0.457

standard and adapted CIELAB
LAB*LAB 65.9 -47.82 15.96
LAB*LABa 65.9 -47.41 13.19
LAB*LABb 62.5 49.22 164.46

relative CIELAB lab*
lab*lab 0.619 -0.721 0.201
lab*ch 0.619 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*lab 0.619 -0.721 0.201
lab*ch 0.619 0.75 0.457
lab*nch 0.0 0.75 0.457

standard and adapted CIELAB
LAB*LAB 56.39 -31.84 10.92
LAB*LABa 56.39 -31.61 8.79
LAB*LABb 50.0 32.81 164.46

relative CIELAB lab*
lab*lab 0.486 -0.481 0.134
lab*ch 0.486 0.5 0.5
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*lab 0.486 -0.481 0.134
lab*ch 0.486 0.5 0.5
lab*nch 0.0 0.5 0.457

standard and adapted CIELAB
LAB*LAB 46.55 -47.46 14.64
LAB*LABa 46.55 -47.41 13.18
LAB*LABb 37.51 49.22 164.47

relative CIELAB lab*
lab*lab 0.369 -0.722 0.201
lab*ch 0.369 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*lab 0.369 -0.722 0.201
lab*ch 0.369 0.75 0.457
lab*nch 0.0 0.75 0.457

relative Inform. Technology (IT)
olvi3* 0.013 1.0 0.0 (1.0)
cmyn3* 0.987 0.0 1.0 (0.0)
olvi4* 0.013 1.0 0.0 (1.0)
cmyn4* 0.987 0.0 1.0 (0.0)
LAB*LAB 56.07 -63.21 17.58
LAB*LABa 56.07 -63.21 17.58
LAB*LABb 50.0 65.62 164.46

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

$n^* = 1.0$

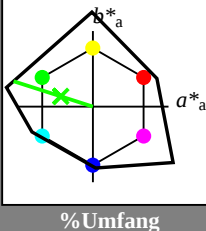
Ausgabe: Farbmetrisches Reflexions-System NCS11

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^*



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

relative CIELAB lab*
lab*lab 0.5 0.5 0.0 (1.0)
lab*ch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.0 (1.0)
lab*ch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 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*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 25.01 32.81 164.47

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

standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 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*lab 0.0 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* 0.0 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 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 0.01 0.01 -

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 -25.22 8.39
LAB*LABb 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*lab 0.911 -0.237 0.076
lab*ch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451

standard and adapted CIELAB
LAB*LAB 80.4 -52.43 16.79
LAB*LABa 80.4 -52.45 16.79
LAB*LABb 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*lab 0.822 -0.475 0.152
lab*ch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451

standard and adapted CIELAB
LAB*LAB 59.31 -52.42 16.8
LAB*LABa 59.31 -52.46 16.78
LAB*LABb 50.0 55.09 162.25

relative CIELAB lab*
lab*lab 0.661 -0.475 0.152
lab*ch 0.625 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lab 0.661 -0.475 0.152
lab*ch 0.625 0.5 0.451
lab*nch 0.0 0.5 0.451

standard and adapted CIELAB
LAB*LAB 38.2 -52.46 16.78
LAB*LABa 38.2 -52.46 16.78
LAB*LABb 25.01 55.09 162.27

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

standard and adapted CIELAB
LAB*LAB 24.6 -26.23 8.38
LAB*LABa 24.6 -26.23 8.38
LAB*LABb 12.5 27.54 162.28

relative Inform. Technology (IT)
olvi3* 0.021 0.0 0.0 (1.0)
cmyn3* 0.979 0.75 1.0 (0.0)
olvi4* 0.021 0.0 0.0 (1.0)
cmyn4* 0.979 0.75 1.0 (0.0)
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 0.01 0.01 -

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* 0.541 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 -52.45 16.79
LAB*LABb 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*lab 0.822 -0.475 0.152
lab*ch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451

standard and adapted CIELAB
LAB*LAB 59.31 -52.42 16.8
LAB*LABa 59.31 -52.46 16.78
LAB*LABb 50.0 55.09 162.25

relative CIELAB lab*
lab*lab 0.661 -0.475 0.152
lab*ch 0.625 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lab 0.661 -0.475 0.152
lab*ch 0.625 0.5 0.451
lab*nch 0.0 0.5 0.451

standard and adapted CIELAB
LAB*LAB 38.2 -52.46 16.78
LAB*LABa 38.2 -52.46 16.78
LAB*LABb 25.01 55.09 162.27

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

standard and adapted CIELAB
LAB*LAB 24.6 -26.23 8.38
LAB*LABa 24.6 -26.23 8.38
LAB*LABb 12.5 27.54 162.28

relative Inform. Technology (IT)
olvi3* 0.021 0.0 0.0 (1.0)
cmyn3* 0.979 0.75 1.0 (0.0)
olvi4* 0.021 0.0 0.0 (1.0)
cmyn4* 0.979 0.75 1.0 (0.0)
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 0.01 0.01 -

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

$n^* = 1.0$

BAM-Prüfvorlage TG53; Farbmetrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

Eingabe: Farbmetrisches Reflexions-System MRS18

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

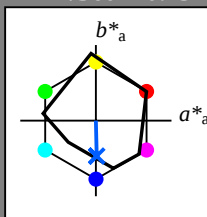
lab^*ch und lab^*nch

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*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 -
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*nrc 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.82 0.006 -0.249
lab*ch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
lab*trj 0.82 0.0 -0.249
lab*trc 0.875 0.25 0.754
lab*nrc 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 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
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 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 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.63 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.3 0.0 0.0
lab*ch 0.3 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.3 0.0 0.0
lab*trc 0.3 0.0 0.0
lab*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.87 0.62 -25.16
LAB*Lab 28.87 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*nrc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*nrc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*nrc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*nrc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*nrc 0.0 0.0 0.0

MRS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.57 0.17 -22.28
LAB*Lab 67.57 0.01 -25.16
LAB*TCa 75.0 25.18 27.14

relative CIELAB lab*
lab*lab 0.64 0.012 -0.499
lab*ch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
lab*trj 0.64 0.0 -0.499
lab*trc 0.75 0.5 0.754
lab*nrc 0.0 0.5 0.754

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)
standard and adapted CIELAB
LAB*LAB 53.65 0.74 -35.81
LAB*Lab 53.65 0.02 -37.75
LAB*TCa 62.5 37.77 27.14

relative CIELAB lab*
lab*lab 0.46 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
lab*trj 0.46 0.0 -0.749
lab*trc 0.625 0.75 0.754
lab*nrc 0.0 0.75 0.754

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)
standard and adapted CIELAB
LAB*LAB 48.22 0.54 -23.59
LAB*Lab 48.22 0.02 -25.17
LAB*TCa 50.0 25.18 27.14

relative CIELAB lab*
lab*lab 0.3 0.012 -0.499
lab*ch 0.5 0.5 0.754
lab*nch 0.0 0.5 0.754
lab*trj 0.3 0.0 -0.499
lab*trc 0.5 0.5 0.754
lab*nrc 0.0 0.5 0.754

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)
standard and adapted CIELAB
LAB*LAB 28.87 0.62 -25.16
LAB*Lab 28.87 0.0 0.0
LAB*TCa 25.0 25.18 27.14

relative CIELAB lab*
lab*lab 0.14 0.012 -0.499
lab*ch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
lab*trj 0.14 0.0 -0.499
lab*trc 0.25 0.5 0.754
lab*nrc 0.0 0.5 0.754

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)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*nrc 0.0 0.0 0.0

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

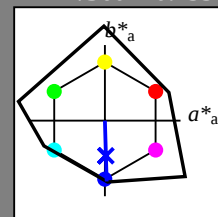
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



%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 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*nrc 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 0.0 0.0
LAB*TCa 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
lab*trj 0.863 0.0 -0.249
lab*trc 0.875 0.25 0.755
lab*nrc 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 62.75 0.62 -20.1
LAB*Lab 62.75 0.0 0.0
LAB*TCa 62.5 20.12 27.16

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.5 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 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)
standard and adapted CIELAB
LAB*LAB 53.21 0.42 -49.33
LAB*Lab 53.21 0.0 0.0
LAB*TCa 50.0 50.36 27.14

relative CIELAB lab*
lab*lab 0.281 0.025 -0.998
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.281 0.0 -0.999
lab*trc 0.5 0.0 0.0
lab*nrc 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)
standard and adapted CIELAB
LAB*LAB 39.73 1.32 -49.33
LAB*Lab 39.73 0.0 0.0
LAB*TCa 50.0 50.36 27.14

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
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*nrc 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* 0.25 0.25 0.25 (1.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 23.12 0.85 -20.08
LAB*Lab 23.12 0.0 0.0
LAB*TCa 25.0 25.18 27.14

relative CIELAB lab*
lab*lab 0.13 0.007 -0.249
lab*ch 0.25 0.25 0.755
lab*nch 0.0 0.25 0.755
lab*trj 0.13 0.0 -0.249
lab*trc 0.25 0.25 0.755
lab*nrc 0.0 0.25 0.755

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)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*nrc 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)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 72.29 1.2 -40.21
LAB*Lab 72.29 0.01 -40.21
LAB*TCa 75.0 40.24 27.16

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
lab*trj 0.726 0.0 -0.499
lab*trc 0.75 0.5 0.755
lab*nrc 0.0 0.5 0.755

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)
standard and adapted CIELAB
LAB*LAB 60.73 1.79 -60.32
LAB*Lab 60.73 0.0 0.0
LAB*TCa 62.5 60.36 27.16

relative CIELAB lab*
lab*lab 0.589 0.022 -0.749
lab*ch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
lab*trj 0.589 0.0 -0.749
lab*trc 0.625 0.75 0.755
lab*nrc 0.0 0.75 0.755

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)
standard and adapted CIELAB
LAB*LAB 49.18 2.39 -80.42
LAB*Lab 49.18 0.0 0.0
LAB*TCa 50.0 80.48 27.16

relative CIELAB lab*
lab*lab 0.452 0.029 -0.998
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.452 0.0 -0.999
lab*trc 0.5 0.0 0.0
lab*nrc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (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)
standard and adapted CIELAB
LAB*LAB 39.63 1.81 -60.31
LAB*Lab 39.63 0.0 0.0
LAB*TCa 37.5 60.36 27.16

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
lab*trj 0.339