

für 10 Bunttöne

nen für 10 Bunttöne: *olv* setrabcolor*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 290/360 = 0.807$

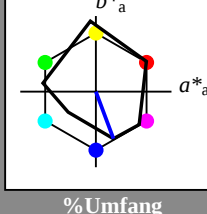
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 92$

%Umfang

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)

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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)

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olvi142* 1.0 1.0 1.0 (1.0)

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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)

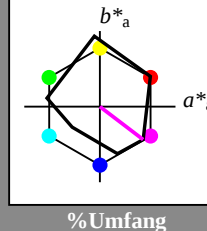
olvi211* 1.0 1.0 1.0 (1.0)

olvi212* 1.0 1.0 1.0 (1.0)

Eingabe: Farbmetrisches Reflexions-System MRS18a für Buntton $h^* = lab^*h = 323/360 = 0.896$ lab^*ch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 323
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	95.41	0.01	0.0
LAB*Lab	95.41	0.01	0.0
LAB*Lab	95.41	0.01	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trc	0.0	1.0	0.0
lab*trn	0.0	0.0	1.0

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*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	76.06	0.03	0.0
LAB*Lab	76.06	0.03	0.0
LAB*Lab	76.06	0.03	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trc	0.0	0.75	0.0
lab*trn	0.0	0.0	0.75

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(1.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	1.0	1.0	1.0	(1.0)

standard and adapted CIELAB

LAB*Lab	56.71	0.05	0.0
LAB*Lab	56.71	0.05	0.0
LAB*Lab	56.71	0.05	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trc	0.0	0.5	0.0
lab*trn	0.0	0.0	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi4*	0.75	0.75	0.75	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	37.36	0.01	0.0
LAB*Lab	37.36	0.01	0.0
LAB*Lab	37.36	0.01	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trc	0.0	0.25	0.0
lab*trn	0.0	0.0	0.25

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi4*	1.0	1.0	1.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*Lab	18.02	0.02	0.0
LAB*Lab	18.02	0.02	0.0
LAB*Lab	18.02	0.02	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*trn	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi4*	1.0	1.0	1.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*Lab	0.01	0.01	0.0
LAB*Lab	0.01	0.01	0.0
LAB*Lab	0.01	0.01	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*trn	0.0	0.0	0.0

MRS18a; adaptierte CIELAB-Daten

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

%Regularität

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

$n^* = 5.25$

$n^* = 5.50$

$n^* = 5.75$

$n^* = 6.00$

$n^* = 6.25$

$n^* = 6.50$

$n^* = 6.75$

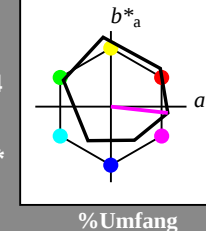
$n^* = 7.00$

$n^* = 7.25$

Ausgabe: Farbmetrisches Reflexions-System ORS18 für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	95.41	-0.97	4.75
LAB*Lab	95.41	-0.97	4.75
LAB*Lab	95.41	-0.97	4.75

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trc	0.0	1.0	0.0
lab*trn	0.0	0.0	1.0

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*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	76.06	-0.6	3.44
LAB*Lab	76.06	-0.6	3.44
LAB*Lab	76.06	-0.6	3.44

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trc	0.0	0.75	0.0
lab*trn	0.0	0.0	0.75

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(1.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	1.0	1.0	1.0	(1.0)

standard and adapted CIELAB

LAB*Lab	56.71	0.23	2.14
LAB*Lab	56.71	0.23	2.14
LAB*Lab	56.71	0.23	2.14

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trc	0.0	0.5	0.0
lab*trn	0.0	0.0	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi4*	0.75	0.75	0.75	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	37.36	0.13	0.98
LAB*Lab	37.36	0.13	0.98
LAB*Lab	37.36	0.13	0.98

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trc	0.0	0.25	0.0
lab*trn	0.0	0.0	0.25

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi4*	1.0	1.0	1.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*Lab	18.02	0.5	0.46
LAB*Lab	18.02	0.5	0.46
LAB*Lab	18.02	0.5	0.46

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*trn	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi4*	1.0	1.0	1.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*Lab	0.01	0.01	0.0
LAB*Lab	0.01	0.01	0.0
LAB*Lab	0.01	0.01	0.0

relative CIELAB lab*

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

Input: $olv^* s$

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

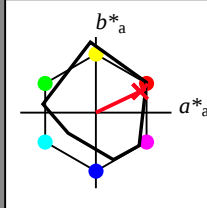
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

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)

MRS18a; adaptierte CIELAB-Daten

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

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

%Regularität

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

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

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)

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)

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)

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

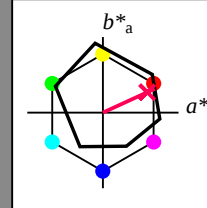
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

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)

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

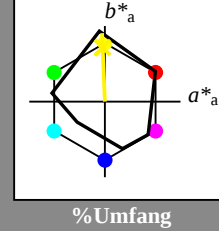
Eingabe: Farbmetrisches Reflexions-System MRS18a

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 99.99 0.01

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.73 -0.91 22.65
LAB*LABa 93.73 -0.91 22.65
LAB*TCHa 97.5 22.67 92.33

relative Inform. Technology (IT)
olvi3* 1.0 0.978 0.5 (1.0)
cmyn3* 0.0 0.022 0.5 (0.0)
olvi4* 1.0 0.978 0.5 (1.0)
cmyn4* 0.0 0.022 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.06 -1.84 45.31
LAB*LABa 92.06 -1.84 45.31
LAB*TCHa 75.0 45.35 92.34

relative Inform. Technology (IT)
olvi3* 1.0 0.964 0.25 (1.0)
cmyn3* 0.0 0.036 0.75 (0.0)
olvi4* 1.0 0.964 0.25 (1.0)
cmyn4* 0.0 0.036 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 90.38 -2.75 67.96
LAB*LABa 90.38 -2.75 67.96
LAB*TCHa 62.5 68.02 92.34

relative Inform. Technology (IT)
olvi3* 1.0 0.952 0.0 (1.0)
cmyn3* 0.0 0.048 1.0 (0.0)
olvi4* 1.0 0.952 0.0 (1.0)
cmyn4* 0.0 0.048 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.71 -3.69 90.61
LAB*LABa 88.71 -3.69 90.61
LAB*TCHa 50.0 90.68 92.34

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.19 -3.62 91.83
LAB*LABa 86.19 -3.62 91.83
LAB*TCHa 50.0 87.73 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 84.99 -2.96 70.06
LAB*LABa 84.99 -2.96 70.06
LAB*TCHa 50.0 87.73 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.75 -1.26 25.22
LAB*LABa 83.75 -1.26 25.22
LAB*TCHa 62.5 21.94 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.06 -0.6 3.44
LAB*LABa 82.06 -0.6 3.44
LAB*TCHa 75.0 0.01

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.38 -2.75 67.96
LAB*LABa 80.38 -2.75 67.96
LAB*TCHa 50.0 90.68 92.34

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 78.66 -0.6 3.44
LAB*LABa 78.66 -0.6 3.44
LAB*TCHa 75.0 0.01

MRS18a; adaptierte CIELAB-Daten

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

%Regularität

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

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

1,00

0,75

0,25

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

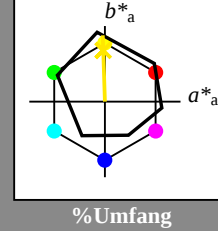
Ausgabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 86 88 92
rgb*Ma: 1.0 0.9 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 -0.97 4.75
LAB*TCHa 99.99 0.01

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olvi4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.1 -1.64 26.52
LAB*LABa 93.1 -1.64 26.52
LAB*TCHa 87.5 21.93 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.5 (1.0)
cmyn3* 0.0 0.025 0.5 (0.0)
olvi4* 1.0 0.975 0.5 (1.0)
cmyn4* 0.0 0.025 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.8 -2.3 48.29
LAB*LABa 90.8 -2.3 48.29
LAB*TCHa 75.0 43.87 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.964 0.25 (1.0)
cmyn3* 0.0 0.036 0.75 (0.0)
olvi4* 1.0 0.964 0.25 (1.0)
cmyn4* 0.0 0.036 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 88.71 -3.69 90.61
LAB*LABa 88.71 -3.69 90.61
LAB*TCHa 50.0 90.68 92.34

relative Inform. Technology (IT)
olvi3* 1.0 0.952 0.0 (1.0)
cmyn3* 0.0 0.048 1.0 (0.0)
olvi4* 1.0 0.952 0.0 (1.0)
cmyn4* 0.0 0.048 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.19 -3.62 91.83
LAB*LABa 86.19 -3.62 91.83
LAB*TCHa 50.0 87.73 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 84.99 -2.96 70.06
LAB*LABa 84.99 -2.96 70.06
LAB*TCHa 50.0 87.73 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.75 -1.26 25.22
LAB*LABa 83.75 -1.26 25.22
LAB*TCHa 62.5 21.94 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.06 -0.6 3.44
LAB*LABa 82.06 -0.6 3.44
LAB*TCHa 75.0 0.01

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.38 -2.75 67.96
LAB*LABa 80.38 -2.75 67.96
LAB*TCHa 50.0 90.68 92.34

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 78.66 -0.6 3.44
LAB*LABa 78.66 -0.6 3.44
LAB*TCHa 75.0 0.01

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.98 -0.6 3.44
LAB*LABa 76.98 -0.6 3.44
LAB*TCHa 75.0 0.01

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 75.29 -0.6 3.44
LAB*LABa 75.29 -0.6 3.44
LAB*TCHa 75.0 0.01

ORS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

0,75

0,25

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

TG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18

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

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

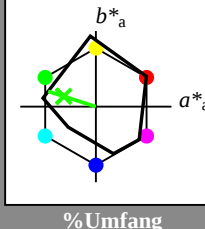
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 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 0.01 0.0
LAB*LABa 95.41 0.01 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*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 75.00 0.01 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 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 50.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.01
LAB*LABa 37.36 0.13 0.01
LAB*LABb 25.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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

MRS18a; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.332 1.0 0.5 (1.0)
cmyn3* 0.668 0.0 0.5 (0.0)
olvi4* 0.332 1.0 0.5 (1.0)
cmyn4* 0.668 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 75.86 -31.51 10.1
LAB*LABa 75.86 -31.51 10.1
LAB*LABb 33.13 162.26

relative CIELAB lab*
lab*lab 0.747 -0.475 0.152
lab*ch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.747 -0.499 0.0
lab*trc 0.75 0.5 0.5
lab*ncc 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.304 0.5 0.25 (1.0)
cmyn3* 0.696 0.25 0.75 (0.0)
olvi4* 0.304 0.5 0.25 (1.0)
cmyn4* 0.696 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -31.55 10.09
LAB*LABa 56.31 -31.55 10.09
LAB*LABb 33.13 162.27

relative CIELAB lab*
lab*lab 0.521 -0.713 0.228
lab*ch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.621 -0.749 0.0
lab*trc 0.625 0.75 0.5
lab*ncc 0.0 0.75 0.5

relative Inform. Technology (IT)
olvi3* 0.304 0.5 0.25 (1.0)
cmyn3* 0.696 0.25 0.75 (0.0)
olvi4* 0.304 0.5 0.25 (1.0)
cmyn4* 0.696 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -31.55 10.09
LAB*LABa 56.31 -31.55 10.09
LAB*LABb 33.13 162.27

relative CIELAB lab*
lab*lab 0.521 -0.713 0.228
lab*ch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.621 -0.749 0.0
lab*trc 0.625 0.75 0.5
lab*ncc 0.0 0.75 0.5

relative Inform. Technology (IT)
olvi3* 0.304 0.5 0.25 (1.0)
cmyn3* 0.696 0.25 0.75 (0.0)
olvi4* 0.304 0.5 0.25 (1.0)
cmyn4* 0.696 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -31.55 10.09
LAB*LABa 56.31 -31.55 10.09
LAB*LABb 33.13 162.27

relative CIELAB lab*
lab*lab 0.521 -0.713 0.228
lab*ch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.621 -0.749 0.0
lab*trc 0.625 0.75 0.5
lab*ncc 0.0 0.75 0.5

relative Inform. Technology (IT)
olvi3* 0.304 0.5 0.25 (1.0)
cmyn3* 0.696 0.25 0.75 (0.0)
olvi4* 0.304 0.5 0.25 (1.0)
cmyn4* 0.696 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -31.55 10.09
LAB*LABa 56.31 -31.55 10.09
LAB*LABb 33.13 162.27

relative CIELAB lab*
lab*lab 0.521 -0.713 0.228
lab*ch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.621 -0.749 0.0
lab*trc 0.625 0.75 0.5
lab*ncc 0.0 0.75 0.5

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

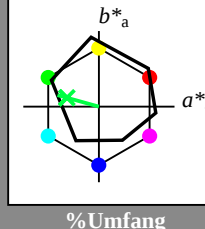
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*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*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 -0.6 3.44
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.75 0.0 0.0
lab*nch 0.25 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 (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 56.71 -0.23 2.14
LAB*LABa 56.71 -0.23 2.14
LAB*LABb 50.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.01
LAB*LABa 37.36 0.13 0.01
LAB*LABb 25.00 0.01 0.0

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

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.46
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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

ORS18; adaptierte CIELAB-Daten

	L*	a*	b*	C* _{ab,a}	h* _{ab,a}
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 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* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.96 10.94
LAB*LABa 74.1 -27.96 10.94
LAB*LABb 28.44 164.46

relative CIELAB lab*
lab*lab 0.725 -0.481 0.134
lab*ch 0.75 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.725 -0.499 0.0
lab*trc 0.75 0.5 0.5
lab*ncc 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.75 -27.6 9.64
LAB*LABa 54.75 -27.6 9.64
LAB*LABb 28.44 164.46

relative CIELAB lab*
lab*lab 0.587 -0.749 0.0
lab*ch 0.625 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.587 -0.749 0.0
lab*trc 0.625 0.75 0.5
lab*ncc 0.0 0.75 0.5

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -13.53 9.94
LAB*LABa 35.41 -13.53 9.94
LAB*LABb 25.01 164.45

relative CIELAB lab*
lab*lab 0.337 -0.721 0.201
lab*ch 0.375 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.337 -0.749 0.0
lab*trc 0.375 0.75 0.5
lab*ncc 0.0 0.75 0.5

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

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

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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

TG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18

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

Input: `olv* setrgbcolor`

Output: `olv* setrgbcolor / w* setgray`

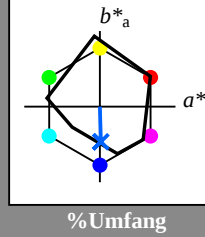
Eingabe: Farbmetrisches Reflexions-System MRS18a

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 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*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 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 0.75 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 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 50.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 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 0.25 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 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 0.01 0.01 0.0

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

MRS18a; adaptierte CIELAB-Daten

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

%Regelartit
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

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 67.55 0.74 -24.71
LAB*LABa 67.55 0.74 -24.72
LAB*LABb 75.00 24.74 271.63

relative CIELAB lab*
lab*lab 0.64 0.014 -0.499
lab*ch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.64 0.0 -0.499
lab*trc 0.75 0.5 0.755
lab*ncc 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.21 0.77 -24.71
LAB*LABa 48.21 0.77 -24.72
LAB*LABb 50.00 24.75 271.64

relative CIELAB lab*
lab*lab 0.39 0.014 -0.499
lab*ch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.39 0.0 -0.499
lab*trc 0.5 0.5 0.755
lab*ncc 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.86 0.79 -24.72
LAB*LABa 28.86 0.79 -24.72
LAB*LABb 25.01 24.74 271.64

relative CIELAB lab*
lab*lab 0.14 0.014 -0.499
lab*ch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.14 0.0 -0.499
lab*trc 0.25 0.5 0.755
lab*ncc 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 0.01 0.01 0.0

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

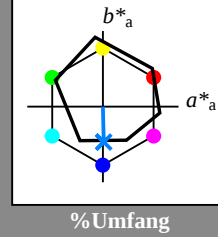
Ausgabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton B
LCH*Ma: 42 45 271
rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit t^*



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 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*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 75.00 0.01 0.0

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

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 56.71 0.23 2.14
LAB*LABa 56.71 0.23 2.14
LAB*LABb 50.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.08
LAB*LABa 37.36 0.13 0.08
LAB*LABb 25.00 0.01 0.0

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

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

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

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

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

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regelartit
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.5 0.744 1.0 (1.0)
cmyn3* 0.5 0.256 0.0 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.59 0.08 -19.4
LAB*LABa 68.59 0.08 -19.4
LAB*LABb 75.00 22.36 271.4

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*ch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.654 0.0 -0.499
lab*trc 0.75 0.5 0.754
lab*ncc 0.0 0.5 0.754

relative Inform. Technology (IT)
olvi3* 0.25 0.484 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.71
LAB*LABa 49.25 0.45 -20.71
LAB*LABb 50.00 22.37 271.4

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*trc 0.625 0.75 0.754
lab*ncc 0.0 0.75 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.364 0.25 (0.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.59 0.59 32.79
LAB*LABa 35.59 0.59 32.79
LAB*LABb 37.51 33.55 271.41

relative CIELAB lab*
lab*lab 0.25 0.018 -0.749
lab*ch 0.375 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.25 0.0 -0.749
lab*trc 0.375 0.75 0.754
lab*ncc 0.0 0.75 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.244 0.10 (0.0)
cmyn3* 1.0 0.756 0.5 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.55 -22.35
LAB*LABa 29.9 0.55 -22.35
LAB*LABb 25.01 22.36 271.41

relative CIELAB lab*
lab*lab 0.154 0.012 -0.499
lab*ch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.154 0.0 -0.499
lab*trc 0.25 0.5 0.754
lab*ncc 0.0 0.5 0.754

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

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

TG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18

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

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