

Eingabe: Farbmetrisches Reflexions-System NCS11

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

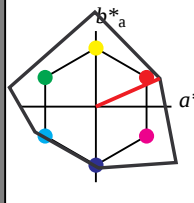
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*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*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
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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)
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LAB*LAB 74.31 0.02 0.0
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LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.857 0.229 0.101
lab*lab 0.857 0.229 0.101
lab*lab 0.857 0.229 0.101
lab*lab 0.857 0.229 0.101
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lab*lab 0.857 0.229 0.101
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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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

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$n^* = 7.75$

$n^* = 8.00$

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$n^* = 0.75$

$n^* = 1.00$

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$n^* = 8.50$

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$n^* = 17.50$

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$n^* = 20.75$

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$n^* = 21.75$

$n^* = 22.00$

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$n^* = 22.75$

$n^* = 23.00$

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$n^* = 23.75$

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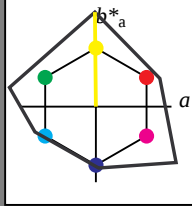
Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*  $u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -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 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
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standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.04 0.0
LAB*LAB 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 1.0 1.0 1.0 (1.0)
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olvi3* 0.5 0.5 0.5 (0.0)
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standard and adapted CIELAB
LAB*LAB 32.11 0.07 0.01
LAB*LAB 32.11 0.07 0.01
LAB*LAB 32.11 0.07 0.01
LAB*LAB 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.75 0.75 0.75 (0.0)
lab*lab 1.0 1.0 1.0 (1.0)
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lab*lab 1.0 1.0 1.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
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)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 1.0 1.0 1.0 (0.0)
lab*lab 1.0 1.0 1.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
LAB*LAB 11.01 0.07 0.01
LAB*LAB 0.01 0.01 0.0

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$ $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.25$ $n^* = 1.50$ $n^* = 1.75$ $n^* = 2.00$ $n^* = 2.25$ $n^* = 2.50$ $n^* = 2.75$ $n^* = 3.00$ $n^* = 3.25$ $n^* = 3.50$ $n^* = 3.75$ $n^* = 4.00$ $n^* = 4.25$ $n^* = 4.50$ $n^* = 4.75$ $n^* = 5.00$ $n^* = 5.25$ $n^* = 5.50$ $n^* = 5.75$ $n^* = 6.00$ $n^* = 6.25$ $n^* = 6.50$ $n^* = 6.75$ $n^* = 7.00$ $n^* = 7.25$ $n^* = 7.50$ $n^* = 7.75$ $n^* = 8.00$ $n^* = 8.25$ $n^* = 8.50$ $n^* = 8.75$ $n^* = 9.00$ $n^* = 9.25$ $n^* = 9.50$ $n^* = 9.75$ $n^* = 10.00$ $n^* = 10.25$ $n^* = 10.50$ $n^* = 10.75$ $n^* = 11.00$ $n^* = 11.25$ $n^* = 11.50$ $n^* = 11.75$ $n^* = 12.00$ $n^* = 12.25$ $n^* = 12.50$ $n^* = 12.75$ $n^* = 13.00$ $n^* = 13.25$ $n^* = 13.50$ $n^* = 13.75$ $n^* = 14.00$ $n^* = 14.25$ $n^* = 14.50$ $n^* = 14.75$ $n^* = 15.00$ $n^* = 15.25$ $n^* = 15.50$ $n^* = 15.75$ $n^* = 16.00$ $n^* = 16.25$ $n^* = 16.50$ $n^* = 16.75$ $n^* = 17.00$ $n^* = 17.25$ $n^* = 17.50$ $n^* = 17.75$ $n^* = 18.00$ $n^* = 18.25$ $n^* = 18.50$ $n^* = 18.75$ $n^* = 19.00$ $n^* = 19.25$ $n^* = 19.50$ $n^* = 19.75$ $n^* = 20.00$ $n^* = 20.25$ $n^* = 20.50$ $n^* = 20.75$ $n^* = 21.00$ $n^* = 21.25$ $n^* = 21.50$ $n^* = 21.75$ $n^* = 22.00$ $n^* = 22.25$ $n^* = 22.50$ $n^* = 22.75$ $n^* = 23.00$ $n^* = 23.25$ $n^* = 23.50$ $n^* = 23.75$ $n^* = 24.00$ $n^* = 24.25$ $n^* = 24.50$ $n^* = 24.75$ $n^* = 25.00$ $n^* = 25.25$ $n^* = 25.50$ $n^* = 25.75$ $n^* = 26.00$ $n^* = 26.25$ $n^* = 26.50$ $n^* = 26.75$ $n^* = 27.00$ $n^* = 27.25$ $n^* = 27.50$ $n^* = 27.75$ $n^* = 28.00$ $n^* = 28.25$ $n^* = 28.50$ $n^* = 28.75$ $n^* = 29.00$ $n^* = 29.25$ $n^* = 29.50$ $n^* = 29.75$ $n^* = 30.00$ $n^* = 30.25$ $n^* = 30.50$ $n^* = 30.75$ $n^* = 31.00$ $n^* = 31.25$ $n^* = 31.50$

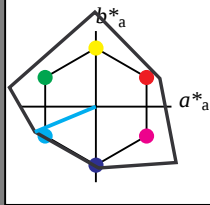
Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 149$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 -0.01

LAB*Lab 95.41 0.0 0.0

LAB*TCha 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*ch 1.0 0.0 0.0

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*trc 1.0 0.0 0.0

lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.02 0.0

LAB*Lab 74.31 0.02 0.0

LAB*TCha 75.00 0.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*ch 0.75 0.0 0.0

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*trc 0.75 0.0 0.0

lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 53.21 0.04 0.0

LAB*Lab 53.21 0.04 0.0

LAB*TCha 50.00 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*ch 0.5 0.0 0.0

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*trc 0.5 0.0 0.0

lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 32.11 0.07 0.01

LAB*Lab 32.11 0.07 0.01

LAB*TCha 25.00 0.01 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*ch 0.25 0.0 0.0

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*trc 0.25 0.0 0.0

lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 11.01 0.01 0.0

LAB*Lab 11.01 0.01 0.0

LAB*TCha 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 0.0

lab*nch 1.0 0.0 -

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 -

 $n^* = 1.0$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ relative Buntheit c^* $n^* = 0.50$ $n^* = 0.25$ Schwarzheit n^* $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.25$ $n^* = 1.50$ $n^* = 1.75$ $n^* = 2.00$ $n^* = 2.25$ $n^* = 2.50$ $n^* = 2.75$ $n^* = 3.00$ $n^* = 3.25$ $n^* = 3.50$ $n^* = 3.75$ $n^* = 4.00$ $n^* = 4.25$ $n^* = 4.50$ $n^* = 4.75$ $n^* = 5.00$ $n^* = 5.25$ $n^* = 5.50$ $n^* = 5.75$ $n^* = 6.00$ $n^* = 6.25$ $n^* = 6.50$ $n^* = 6.75$ $n^* = 7.00$ $n^* = 7.25$ $n^* = 7.50$ $n^* = 7.75$ $n^* = 8.00$ $n^* = 8.25$ $n^* = 8.50$ $n^* = 8.75$ $n^* = 9.00$ $n^* = 9.25$ $n^* = 9.50$ $n^* = 9.75$ $n^* = 10.00$ $n^* = 10.25$ $n^* = 10.50$ $n^* = 10.75$ $n^* = 11.00$ $n^* = 11.25$ $n^* = 11.50$ $n^* = 11.75$ $n^* = 12.00$ $n^* = 12.25$ $n^* = 12.50$ $n^* = 12.75$ $n^* = 13.00$ $n^* = 13.25$ $n^* = 13.50$ $n^* = 13.75$ $n^* = 14.00$ $n^* = 14.25$ $n^* = 14.50$ $n^* = 14.75$ $n^* = 15.00$ $n^* = 15.25$ $n^* = 15.50$ $n^* = 15.75$ $n^* = 16.00$ $n^* = 16.25$ $n^* = 16.50$ $n^* = 16.75$ $n^* = 17.00$ $n^* = 17.25$ $n^* = 17.50$ $n^* = 17.75$ $n^* = 18.00$ $n^* = 18.25$ $n^* = 18.50$ $n^* = 18.75$ $n^* = 19.00$ $n^* = 19.25$ $n^* = 19.50$ $n^* = 19.75$ $n^* = 20.00$ $n^* = 20.25$ $n^* = 20.50$ $n^* = 20.75$ $n^* = 21.00$ $n^* = 21.25$ $n^* = 21.50$ $n^* = 21.75$ $n^* = 22.00$ $n^* = 22.25$ $n^* = 22.50$ $n^* = 22.75$ $n^* = 23.00$ $n^* = 23.25$ $n^* = 23.50$ $n^* = 23.75$ $n^* = 24.00$ $n^* = 24.25$ $n^* = 24.50$ $n^* = 24.75$ $n^* = 25.00$ $n^* = 25.25$ $n^* = 25.50$ $n^* = 25.75$ $n^* = 26.00$ $n^* = 26.25$ $n^* = 26.50$ $n^* = 26.75$ $n^* = 27.00$ $n^* = 27.25$ $n^* = 27.50$ $n^* = 27.75$ $n^* = 28.00$ $n^* = 28.25$ $n^* = 28.50$ $n^* = 28.75$ $n^* = 29.00$ $n^* = 29.25$ $n^* = 29.50$ $n^* = 29.75$ $n^* = 30.00$ $n^* = 30.25$ $n^* = 30.50$ $n^* = 30.75$ $n^* = 31.00$ $n^* = 31.25$ $n^* = 31.50$ $n^* = 31.75$ $n^* = 32.00$ $n^* = 32.25$ $n^* = 32.50$ $n^* = 32.75$ $n^* = 33.00$ $n^* = 33.25$ $n^* = 33.50$ $n^* = 33.75$ $n^* = 34.00$ $n^* = 34.25$ $n^* = 34.50$ $n^* = 34.75$ $n^* = 35.00$ $n^* = 35.25$ $n^* = 35.50$ $n^* = 35.75$ $n^* = 36.00$ $n^* = 36.25$ $n^* = 36.50$ $n^* = 36.75$ $n^* = 37.00$ $n^* = 37.25$ $n^* = 37.50$ $n^* = 37.75$ $n^* = 38.00$ $n^* = 38.25$ $n^* = 38.50$ $n^* = 38.75$ $n^* = 39.00$ $n^* = 39.25$ $n^* = 39.50$ $n^* = 39.75$ $n^* = 40.00$ $n^* = 40.25$ $n^* = 40.50$ $n^* = 40.75$ $n^* = 41.00$ $n^* = 41.25$ $n^* = 41.50$ $n^* = 41.75$ $n^* = 42.00$ $n^* = 42.25$ $n^* = 42.50$ $n^* = 42.75$ $n^* = 43.00$ $n^* = 43.25$ $n^* = 43.50$ $n^* = 43.75$ $n^* = 44.00$ $n^* = 44.25$ $n^* = 44.50$ $n^* = 44.75$ $n^* = 45.00$ $n^* = 45.25$ $n^* = 45.50$ $n^* = 45.75$ $n^* = 46.00$ $n^* = 46.25$ $n^* = 46.50$ $n^* = 46.75$ $n^* = 47.00$ $n^* = 47.25$ $n^* = 47.50$ $n^* = 47.75$ $n^* = 48.00$ $n^* = 48.25$ $n^* = 48.50$ $n^* = 48.75$ $n^* = 49.00$ $n^* = 49.25$ $n^* = 49.50$ $n^* = 49.75$ $n^* = 50.00$ $n^* = 50.25$ $n^* = 50.50$ $n^* = 50.75$ $n^* = 51.00$ $n^* = 51.25$ $n^* = 51.50$ $n^* = 51.75$ $n^* = 52.00$ $n^* = 52.25$ $n^* = 52.50$ $n^* = 52.75$ $n^* = 53.00$ $n^* = 53.25$ $n^* = 53.50$ $n^* = 53.75$ $n^* = 54.00$ $n^* = 54.25$ $n^* = 54.50$ $n^* = 54.75$ $n^* = 55.00$ $n^* = 55.25$ $n^* = 55.50$ $n^* = 55.75$ $n^* = 56.00$ $n^* = 56.25$ $n^* = 56.50$ $n^* = 56.75$ $n^* = 57.00$ $n^* = 57.25$

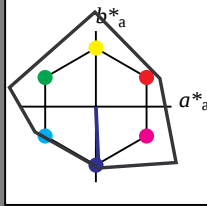
Eingabe: Farbmetrisches Reflexions-System NCS11

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^* 

%Umfang

 $u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 0.0 -0.01
LAB*Lab 95.41 0.0 0.0
LAB*Ch 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*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 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)
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*Ch 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*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*nc 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)
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*Ch 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*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*nc 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)
LAB*LAB 32.11 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*Ch 32.11 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*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*nc 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)
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*Ch 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*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 1.0 0.0 0.0

 $n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
LAB*LAB 83.81 0.93 -20.28
LAB*Lab 83.81 0.93 -20.28
LAB*Ch 97.50 20.31 272.57

relative CIELAB lab*
lab*lab 0.863 0.011 -0.249
lab*ch 0.875 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*tr 0.863 0.003 -0.249
lab*tc 0.875 0.25 0.757
lab*nc 0.0 0.25 0.757

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.75 (0.0)
LAB*LAB 62.71 0.95 -20.28
LAB*Lab 62.71 0.95 -20.28
LAB*Ch 62.71 0.95 -20.28

relative CIELAB lab*
lab*lab 0.613 0.011 -0.249
lab*ch 0.625 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*tr 0.613 0.003 -0.249
lab*tc 0.625 0.25 0.757
lab*nc 0.0 0.25 0.757

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.5 (0.0)
LAB*LAB 51.11 1.87 -40.58
LAB*Lab 51.11 1.87 -40.58
LAB*Ch 50.00 0.04 0.0

relative CIELAB lab*
lab*lab 0.475 0.022 -0.498
lab*ch 0.475 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*tr 0.475 0.006 -0.499
lab*tc 0.475 0.25 0.757
lab*nc 0.0 0.25 0.757

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 30.01 1.82 -40.58
LAB*Lab 30.01 1.82 -40.58
LAB*Ch 25.01 0.03 0.0

relative CIELAB lab*
lab*lab 0.225 0.022 -0.498
lab*ch 0.225 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*tr 0.225 0.006 -0.499
lab*tc 0.225 0.25 0.757
lab*nc 0.0 0.25 0.757

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
LAB*LAB 20.5 0.91 -20.28
LAB*Lab 20.5 0.91 -20.28
LAB*Ch 12.5 20.31 272.57

relative CIELAB lab*
lab*lab 0.113 0.011 -0.249
lab*ch 0.125 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*tr 0.113 0.003 -0.249
lab*tc 0.125 0.25 0.757
lab*nc 0.0 0.25 0.757

 $n^* = 0.50$

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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1.00

0.75

0.50

0.25

0.00

Schwarzheit n^* 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^* 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^*

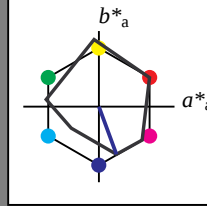
Ausgabe: Farbmetrisches Reflexions-System MRS18

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^* 

%Umfang

 $u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*Ch 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*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 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)
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*Ch 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*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*nc 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)
LAB*LAB 56.71 0.23 2.14
LAB*Lab 56.71 0.23 2.14
LAB*Ch 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*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*nc 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)
LAB*LAB 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*Ch 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*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*nc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 18.02 0.5 0.46
LAB*Lab 18.02 0.5 0.46
LAB*Ch 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 1.0 0.0 0.0

 $n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
LAB*LAB 80.72 5.1 -11.98
LAB*Lab 80.72 5.1 -11.98
LAB*Ch 87.5 16.79 290.19

relative CIELAB lab*
lab*lab 0.81 0.086 -0.234
lab*ch 0.875 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.81 0.064 -0.24
lab*tc 0.875 0.25 0.791
lab*nc 0.0 0.25 0.816

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.75 (0.0)
LAB*LAB 61.37 5.47 -13.29
LAB*Lab 61.37 5.47 -13.29
LAB*Ch 61.37 5.47 -13.29

relative CIELAB lab*
lab*lab 0.62 0.129 -0.482
lab*ch 0.62 0.25 0.791
lab*nch 0.0 0.25 0.791
relative Natural Colour (NC)
lab*tr 0.62 0.129 -0.482
lab*tc 0.62 0.25 0.791
lab*nc 0.0 0.25 0.791

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.5 (0.0)
LAB*LAB 46.68 11.55 -30.05
LAB*Lab 46.68 11.55 -30.05
LAB*Ch 50.00 0.04 0.0

relative CIELAB lab*
lab*lab 0.431 0.259 -0.703
lab*ch 0.431 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.431 0.193 -0.724
lab*tc 0.431 0.25 0.791
lab*nc 0.0 0.25 0.791

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
LAB*LAB 27.34 31.35 -31.51
LAB*Lab 27.34 31.35 -31.51
LAB*Ch 27.34 31.35 -31.51

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*ch 0.181 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.181 0.193 -0.724
lab*tc 0.181 0.25 0.791
lab*nc 0.0 0.25 0.791

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.06 (1.0)
cmyn3* 1.0 1.0 0.06 (0.0)
olvi4* 0.06 0.06 1.0 (0.0)
cmyn4* 0.06 0.06 0.06 (0.0)
LAB*LAB 18.02 0.5 0.46
LAB*Lab 18.02 0.5 0.46
LAB*Ch 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 1.0 0.0 0.0

 $n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
LAB*LAB 80.72 5.1 -11.98
LAB*Lab 80.72 5.1 -11.98
LAB*Ch 87.5 16.79 290.19

relative CIELAB lab*
lab*lab 0.81 0.086 -0.234
lab*ch 0.875 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.81 0.064 -0.24
lab*tc 0.875 0.25 0.791
lab*nc 0.0 0.25 0.816

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.75 (0.0)
LAB*LAB 61.37 5.47 -13.29
LAB*Lab 61.37 5.47 -13.29
LAB*Ch 61.37 5.47 -13.29

relative CIELAB lab*
lab*lab 0.62 0.129 -0.482
lab*ch 0.62 0.25 0.791
lab*nch 0.0 0.25 0.791
relative Natural Colour (NC)
lab*tr 0.62 0.129 -0.482
lab*tc 0.62 0.25 0.791
lab*nc 0.0 0.25 0.791

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.5 (0.0)
LAB*LAB 46.68 11.55 -30.05
LAB*Lab 46.68 11.55 -30.05
LAB*Ch 50.00 0.04 0.0

relative CIELAB lab*
lab*lab 0.431 0.259 -0.703
lab*ch 0.431 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.431 0.193 -0.724
lab*tc 0.431 0.25 0.791
lab*nc 0.0 0.25 0.791

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
LAB*LAB 27.34 31.35 -31.51
LAB*Lab 27.34 31.35 -31.51
LAB*Ch 27.34 31.35 -31.51

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*ch 0.181 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.181 0.193 -0.724
lab*tc 0.181 0.25 0.791
lab*nc 0.0 0.25 0.791

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.06 (1.0)
cmyn3* 1.0 1.0 0.06 (0.0)
olvi4* 0.06 0.06 1.0 (0.0)
cmyn4* 0.06 0.06 0.06 (0.0)
LAB*LAB 18.02 0.5 0.46
LAB*Lab 18.02 0.5 0.46
LAB*Ch 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 1.0 0.0 0.0

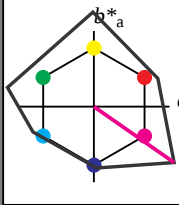
Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 149$

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

relative 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)
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 50.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 32.11 0.07 0.01
LAB*LABa 32.11 0.07 0.01
LAB*LABb 25.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ch 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*trc 1.0 0.5 1.0 (1.0)
lab*ncc 0.0 0.5 0.0 (0.0)

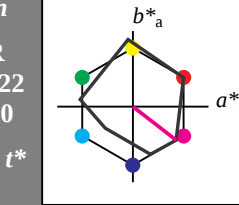
Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 0.0 -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*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)
LAB*LAB 76.06 0.02 0.0
LAB*LABa 76.06 0.02 0.0
LAB*LABb 76.06 0.02 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.75 0.75 (1.0)

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)
LAB*LAB 56.71 0.23 0.14
LAB*LABa 56.71 0.23 0.14
LAB*LABb 56.71 0.23 0.14

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*ncc 0.0 0.5 0.5 (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)
LAB*LAB 35.71 0.07 0.01
LAB*LABa 35.71 0.07 0.01
LAB*LABb 25.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

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

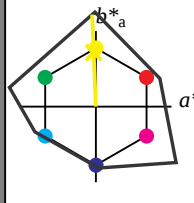
Eingabe: Farbmetrisches Reflexions-System NCS11

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

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 90 122 92
rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit t^*



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

relative Inform. Technology (IT)
olvi3* 0.992 1.0 0.75 (1.0)
cmyn3* 0.008 0.0 0.25 (0.0)
olvi4* 0.992 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 94.16 -1.21 30.44
LAB*Lab 94.16 -1.22 30.48
LAB*TCh 97.5 30.47 92.31

relative Inform. Technology (IT)
olvi3* 0.985 -0.009 0.25
cmyn3* 0.016 0.0 0.5 (0.0)
olvi4* 0.984 1.0 0.5 (1.0)
cmyn4* 0.016 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.92 -2.46 60.89
LAB*Lab 92.92 -2.46 60.89
LAB*TCh 75.0 60.94 92.32

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.5 (1.0)
cmyn3* 0.024 0.0 0.5 (0.0)
olvi4* 0.976 1.0 0.5 (1.0)
cmyn4* 0.024 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 91.68 -3.68 91.34
LAB*Lab 91.68 -3.69 91.34
LAB*TCh 62.5 91.41 92.32

relative Inform. Technology (IT)
olvi3* 0.967 1.0 0.0 (1.0)
cmyn3* 0.033 0.0 1.0 (0.0)
olvi4* 0.967 1.0 0.0 (1.0)
cmyn4* 0.033 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 90.45 -4.92 121.77
LAB*Lab 90.45 -4.93 121.77
LAB*TCh 50.0 121.87 92.32

relative Inform. Technology (IT)
olvi3* 0.956 1.0 0.0 (1.0)
cmyn3* 0.044 0.0 1.0 (0.0)
olvi4* 0.956 1.0 0.0 (1.0)
cmyn4* 0.044 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 89.45 -6.18 181.87
LAB*Lab 89.45 -6.19 181.87
LAB*TCh 40.0 181.97 92.32

relative Inform. Technology (IT)
olvi3* 0.945 1.0 0.0 (1.0)
cmyn3* 0.055 0.0 1.0 (0.0)
olvi4* 0.945 1.0 0.0 (1.0)
cmyn4* 0.055 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.45 -7.43 241.91
LAB*Lab 88.45 -7.44 241.91
LAB*TCh 30.0 242.01 92.32

relative Inform. Technology (IT)
olvi3* 0.934 1.0 0.0 (1.0)
cmyn3* 0.066 0.0 1.0 (0.0)
olvi4* 0.934 1.0 0.0 (1.0)
cmyn4* 0.066 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.45 -8.68 301.95
LAB*Lab 87.45 -8.69 301.95
LAB*TCh 20.0 302.05 92.32

relative Inform. Technology (IT)
olvi3* 0.923 1.0 0.0 (1.0)
cmyn3* 0.077 0.0 1.0 (0.0)
olvi4* 0.923 1.0 0.0 (1.0)
cmyn4* 0.077 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.45 -9.93 361.99
LAB*Lab 86.45 -9.94 361.99
LAB*TCh 10.0 362.09 92.32

relative Inform. Technology (IT)
olvi3* 0.912 1.0 0.0 (1.0)
cmyn3* 0.088 0.0 1.0 (0.0)
olvi4* 0.912 1.0 0.0 (1.0)
cmyn4* 0.088 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.45 -11.18 421.99
LAB*Lab 85.45 -11.19 421.99
LAB*TCh 0.0 422.09 92.32

relative Inform. Technology (IT)
olvi3* 0.901 1.0 0.0 (1.0)
cmyn3* 0.099 0.0 1.0 (0.0)
olvi4* 0.901 1.0 0.0 (1.0)
cmyn4* 0.099 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 84.45 -12.43 481.99
LAB*Lab 84.45 -12.44 481.99
LAB*TCh -10.0 482.09 92.32

relative Inform. Technology (IT)
olvi3* 0.890 1.0 0.0 (1.0)
cmyn3* 0.110 0.0 1.0 (0.0)
olvi4* 0.890 1.0 0.0 (1.0)
cmyn4* 0.110 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.45 -13.68 541.99
LAB*Lab 83.45 -13.69 541.99
LAB*TCh -20.0 542.09 92.32

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.742 0.75 0.5 (1.0)
cmyn3* 0.258 0.25 0.25 (0.0)
olvi4* 0.992 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 73.07 -1.2 30.45
LAB*Lab 73.07 -1.23 30.45
LAB*TCh 62.5 30.47 92.33

relative Inform. Technology (IT)
olvi3* 0.734 0.75 0.25 (1.0)
cmyn3* 0.266 0.25 0.75 (0.0)
olvi4* 0.984 1.0 0.5 (1.0)
cmyn4* 0.016 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.83 -2.44 60.9
LAB*Lab 71.83 -2.47 60.89
LAB*TCh 50.0 60.94 92.33

relative Inform. Technology (IT)
olvi3* 0.726 0.75 0.0 (1.0)
cmyn3* 0.274 0.25 1.0 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 70.59 -3.71 91.33
LAB*Lab 70.59 -3.71 91.33
LAB*TCh 40.0 91.41 92.32

relative Inform. Technology (IT)
olvi3* 0.718 0.75 0.0 (1.0)
cmyn3* 0.282 0.25 1.0 (0.0)
olvi4* 0.968 1.0 0.25 (1.0)
cmyn4* 0.032 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.35 -4.98 121.77
LAB*Lab 69.35 -4.98 121.77
LAB*TCh 30.0 121.87 92.32

relative Inform. Technology (IT)
olvi3* 0.710 0.75 0.0 (1.0)
cmyn3* 0.290 0.25 1.0 (0.0)
olvi4* 0.960 1.0 0.25 (1.0)
cmyn4* 0.040 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.11 -6.25 181.87
LAB*Lab 68.11 -6.25 181.87
LAB*TCh 20.0 181.97 92.32

relative Inform. Technology (IT)
olvi3* 0.702 0.75 0.0 (1.0)
cmyn3* 0.298 0.25 1.0 (0.0)
olvi4* 0.952 1.0 0.25 (1.0)
cmyn4* 0.048 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.87 -7.52 241.91
LAB*Lab 66.87 -7.52 241.91
LAB*TCh 10.0 242.01 92.32

relative Inform. Technology (IT)
olvi3* 0.694 0.75 0.0 (1.0)
cmyn3* 0.306 0.25 1.0 (0.0)
olvi4* 0.944 1.0 0.25 (1.0)
cmyn4* 0.056 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.63 -8.79 301.95
LAB*Lab 65.63 -8.79 301.95
LAB*TCh 0.0 302.05 92.32

relative Inform. Technology (IT)
olvi3* 0.686 0.75 0.0 (1.0)
cmyn3* 0.314 0.25 1.0 (0.0)
olvi4* 0.936 1.0 0.25 (1.0)
cmyn4* 0.064 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.39 -10.06 361.99
LAB*Lab 64.39 -10.06 361.99
LAB*TCh -10.0 362.09 92.32

relative Inform. Technology (IT)
olvi3* 0.678 0.75 0.0 (1.0)
cmyn3* 0.322 0.25 1.0 (0.0)
olvi4* 0.928 1.0 0.25 (1.0)
cmyn4* 0.072 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.15 -11.33 421.99
LAB*Lab 63.15 -11.33 421.99
LAB*TCh -20.0 422.09 92.32

relative Inform. Technology (IT)
olvi3* 0.670 0.75 0.0 (1.0)
cmyn3* 0.330 0.25 1.0 (0.0)
olvi4* 0.918 1.0 0.25 (1.0)
cmyn4* 0.080 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.91 -12.60 481.99
LAB*Lab 61.91 -12.60 481.99
LAB*TCh -30.0 482.09 92.32

relative Inform. Technology (IT)
olvi3* 0.662 0.75 0.0 (1.0)
cmyn3* 0.338 0.25 1.0 (0.0)
olvi4* 0.908 1.0 0.25 (1.0)
cmyn4* 0.088 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.67 -13.87 541.99
LAB*Lab 60.67 -13.87 541.99
LAB*TCh -40.0 542.09 92.32

relative Inform. Technology (IT)
olvi3* 0.654 0.75 0.0 (1.0)
cmyn3* 0.346 0.25 1.0 (0.0)
olvi4* 0.898 1.0 0.25 (1.0)
cmyn4* 0.096 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.43 -15.14 601.99
LAB*Lab 59.43 -15.14 601.99
LAB*TCh -50.0 602.09 92.32

relative Inform. Technology (IT)
olvi3* 0.646 0.75 0.0 (1.0)
cmyn3* 0.354 0.25 1.0 (0.0)
olvi4* 0.888 1.0 0.25 (1.0)
cmyn4* 0.104 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 58.19 -16.41 661.99
LAB*Lab 58.19 -16.41 661.99
LAB*TCh -60.0 662.09 92.32

relative Inform. Technology (IT)
olvi3* 0.638 0.75 0.0 (1.0)
cmyn3* 0.362 0.25 1.0 (0.0)
olvi4* 0.878 1.0 0.25 (1.0)
cmyn4* 0.112 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.95 -17.68 721.99
LAB*Lab 56.95 -17.68 721.99
LAB*TCh -70.0 722.09 92.32

relative Inform. Technology (IT)
olvi3* 0.630 0.75 0.0 (1.0)
cmyn3* 0.370 0.25 1.0 (0.0)
olvi4* 0.868 1.0 0.25 (1.0)
cmyn4* 0.120 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.71 -18.95 781.99
LAB*Lab 55.71 -18.95 781.99
LAB*TCh -80.0 782.09 92.32

relative Inform. Technology (IT)
olvi3* 0.622 0.75 0.0 (1.0)
cmyn3* 0.378 0.25 1.0 (0.0)
olvi4* 0.858 1.0 0.25 (1.0)
cmyn4* 0.128 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.47 -20.22 841.99
LAB*Lab 54.47 -20.22 841.99
LAB*TCh -90.0 842.09 92.32

relative Inform. Technology (IT)
olvi3* 0.614 0.75 0.0 (1.0)
cmyn3* 0.386 0.25 1.0 (0.0)
olvi4* 0.848 1.0 0.25 (1.0)
cmyn4* 0.136 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.23 -21.49 901.99
LAB*Lab 53.23 -21.49 901.99
LAB*TCh -100.0 902.09 92.32

relative Inform. Technology (IT)
olvi3* 0.606 0.75 0.0 (1.0)
cmyn3* 0.394 0.25 1.0 (0.0)
olvi4* 0.838 1.0 0.25 (1.0)
cmyn4* 0.144 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.00 -22.76 961.99
LAB*Lab 52.00 -22.76 961.99
LAB*TCh -110.0 962.09 92.32

relative Inform. Technology (IT)
olvi3* 0.598 0.75 0.0 (1.0)
cmyn3* 0.402 0.25 1.0 (0.0)
olvi4* 0.828 1.0 0.25 (1.0)
cmyn4* 0.152 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.76 -24.03 1021.99
LAB*Lab 50.76 -24.03 1021.99
LAB*TCh -120.0 1022.09 92.32

relative Inform. Technology (IT)
olvi3* 0.590 0.75 0.0 (1.0)
cmyn3* 0.410 0.25 1.0 (0.0)
olvi4* 0.818 1.0 0.25 (1.0)
cmyn4* 0.160 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.52 -25.30 1081.99
LAB*Lab 49.52 -25.30 1081.99
LAB*TCh -130.0 1082.09 92.32

relative Inform. Technology (IT)
olvi3* 0.582 0.75 0.0 (1.0)
cmyn3* 0.418 0.25 1.0 (0.0)
olvi4* 0.808 1.0 0.25 (1.0)
cmyn4* 0.168 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.28 -26.57 1141.99
LAB*Lab 48.28 -26.57 1141.99
LAB*TCh -140.0 1142.09 92.32

relative Inform. Technology (IT)
olvi3* 0.574 0.75 0.0 (1.0)
cmyn3* 0.426 0.25 1.0 (0.0)
olvi4* 0.798 1.0 0.25 (1.0)
cmyn4* 0.176 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 -27.84 1201.99
LAB*Lab 47.04 -27.84 1201.99
LAB*TCh -150.0 1202.09 92.32

relative Inform. Technology (IT)
olvi3* 0.566 0.75 0.0 (1.0)
cmyn3* 0.434 0.25 1.0 (0.0)
olvi4* 0.788 1.0 0.25 (1.0)
cmyn4* 0.184 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.80 -29.11 1261.99
LAB*Lab 45.80 -29.11 1261.99
LAB*TCh -160.0 1262.09 92.32

relative Inform. Technology (IT)
olvi3* 0.558 0.75 0.0 (1.0)
cmyn3* 0.442 0.25 1.0 (0.0)
olvi4* 0.778 1.0 0.25 (1.0)
cmyn4* 0.192 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.56 -30.38 1321.99
LAB*Lab 44.56 -30.38 1321.99
LAB*TCh -170.0 1322.09 92.32

relative Inform. Technology (IT)
olvi3* 0.550 0.75 0.0 (1.0)
cmyn3* 0.450 0.25 1.0 (0.0)
olvi4* 0.768 1.0 0.25 (1.0)
cmyn4* 0.200 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.32 -31.65 1381.99
LAB*Lab 43.32 -31.65 1381.99
LAB*TCh -180.0 1382.09 92.32

relative Inform. Technology (IT)
olvi3* 0.542 0.75 0.0 (1.0)
cmyn3* 0.458 0.25 1.0 (0.0)
olvi4* 0.758 1.0 0.25 (1.0)
cmyn4* 0.208 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.08 -32.92 1441.99
LAB*Lab 42.08 -32.92 1441.99
LAB*TCh -190.0 1442.09 92.32

relative Inform. Technology (IT)
olvi3* 0.534 0.75 0.0 (1.0)
cmyn3* 0.466 0.25 1.0 (0.0)
olvi4* 0.748 1.0 0.25 (1.0)
cmyn4* 0.216 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.84 -34.19 1501.99
LAB*Lab 40.84 -34.19 1501.99
LAB*TCh -200.0 1502.09 92.32

relative Inform. Technology (IT)
olvi3* 0.526 0.75 0.0 (1.0)
cmyn3* 0.474 0.25 1.0 (0.0)
olvi4* 0.738 1.0 0.25 (1.0)
cmyn4* 0.224 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.60 -35.46 1561.99
LAB*Lab 39.60 -35.46 1561.99
LAB*TCh -210.0 1562.09 92.32

relative Inform. Technology (IT)
olvi3* 0.518 0.75 0.0 (1.0)
cmyn3* 0.482 0.25 1.0 (0.0)
olvi4* 0.728 1.0 0.25 (1.0)
cmyn4* 0.232 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.36 -36.73 1621.99
LAB*Lab 38.36 -36.73 1621.99
LAB*TCh -220.0 1622.09 92.32

relative Inform. Technology (IT)
olvi3* 0.510 0.75 0.0 (1.0)
cmyn3* 0.490 0.25 1.0 (0.0)
olvi4* 0.718 1.0 0.25 (1.0)
cmyn4* 0.240 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.12 -38.00 1681.99
LAB*Lab 37.12 -38.00 1681.99
LAB*TCh -230.0 1682.09 92.32

relative Inform. Technology (IT)
olvi3* 0.502 0.75 0.0 (1.0)
cmyn3* 0.498 0.25 1.0 (0.0)
olvi4* 0.708 1.0 0.25 (1.0)
cmyn4* 0.248 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.88 -39.27 1741.99
LAB*Lab 35.88 -39.27 1741.99
LAB*TCh -240.0 1742.09 92.32

relative Inform. Technology (IT)
olvi3* 0.494 0.75 0.0 (1.0)
cmyn3* 0.506 0.25 1.0 (0.0)
olvi4* 0.698 1.0 0.25 (1.0)
cmyn4* 0.256 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 34.64 -40.54 1801.99
LAB*Lab 34.64 -40.54 1801.99
LAB*TCh -250.0 1802.09 92.32

relative Inform. Technology (IT)
olvi3* 0.486 0.75 0.0 (1.0)
cmyn3* 0.514 0.25 1.0 (0.0)
olvi4* 0.688 1.0 0.25 (1.0)
cmyn4* 0.264 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.40 -41.81 1861.99
LAB*Lab 33.40 -41.81 1861.99
LAB*TCh -260.0 1862.09 92.32

relative Inform. Technology (IT)
olvi3* 0.478 0.75 0.0 (1.0)
cmyn3* 0.522 0.25 1.0 (0.0)
olvi4* 0.678 1.0 0.25 (1.0)
cmyn4* 0.272 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.16 -43.08 1921.99
LAB*Lab 32.16 -43.08 1921.99
LAB*TCh -270.0 1922.09 92.32

relative Inform. Technology (IT)
olvi3* 0.470 0.75 0.0 (1.0)
cmyn3* 0.530 0.25 1.0 (0.0)
olvi4* 0.668 1.0 0.25 (1.0)
cmyn4* 0.280 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.92 -44.35 1981.99
LAB*Lab 30.92 -44.35 1981.99
LAB*TCh -280.0 1982.09 92.32

relative Inform. Technology (IT)
olvi3* 0.462 0.75 0.0 (1.0)
cmyn3* 0.538 0.25 1.0 (0.0)
olvi4* 0.658 1.0 0.25 (1.0)
cmyn4* 0.288 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.68 -45.62 2041.99
LAB*Lab 29.68 -45.62 2041.99
LAB*TCh -290.0 2042.09 92.32

relative Inform. Technology (IT)
olvi3* 0.454 0.75 0.0 (1.0)
cmyn3* 0.546 0.25 1.0 (0.0)
olvi4* 0.648 1.0 0.25 (1.0)
cmyn4* 0.296 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.44 -46.89 2101.99
LAB*Lab 28.44 -46.89 2101.99
LAB*TCh -300.0 2102.09 92.32

relative Inform. Technology (IT)
olvi3* 0.446 0.75 0.0 (1.0)
cmyn3* 0.554 0.25 1.0 (0.0)
olvi4* 0.638 1.0 0.25 (1.0)
cmyn4* 0.304 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.20 -48.16 2161.99
LAB*Lab 27.20 -48.16 2161.99
LAB*TCh -310.0 2162.09 92.32

relative Inform. Technology (IT)
olvi3* 0.438 0.75 0.0 (1.0)
cmyn3* 0.562 0.25 1.0 (0.0)
olvi4* 0.628 1.0 0.25 (1.0)
cmyn4* 0.312 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.96 -49.43 2221.99
LAB*Lab 25.96 -49.43 2221.99
LAB*TCh -320.0 2222.09 92.32

relative Inform. Technology (IT)
olvi3* 0.430 0.75 0.0 (1.0)
cmyn3* 0.570 0.25 1.0 (0.0)
olvi4* 0.618 1.0 0.25 (1.0)
cmyn4* 0.320 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.72 -50.70 2281.99
LAB*Lab 24.72 -50

