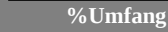


lab*tch und lab*nch

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*


$$\mathbf{u}_{\text{rel}}^* = 149$$

LAB*LABa	11.01	0.0	0.0
LAB*TCHa	0.01	0.01	–
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tcch	0.0	0.0	–
lab*nych	1.0	0.0	–
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	–

LAB*LABa	20.04	21.15	9.31
LAB*TCHa	12.5	23.11	23.75
relative CIELAB lab*			
lab*lab	0.107	0.229	0.101
lab*tch	0.125	0.25	0.066
lab*nch	0.75	0.25	0.066
relative Natural Colour (NC)			
lab*lrj	0.107	0.25	-0.005
lab*tce	0.125	0.25	0.996

$$n^* = 0,50$$

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

LAB*LABa	20.04	21.15	9.31
LAB*TCha	12.5	23.11	23.75
relative CIELAB lab*			
lab*lab	0.107	0.229	0.101
lab*tch	0.125	0.25	0.066
lab*nch	0.75	0.25	0.066
relative Natural Colour (NC)			
lab*lrj	0.107	0.25	-0.005
lab*tce	0.125	0.25	0.996

$$n^* = 0,50$$

al: Code
n
: 1 Seitenz

0,25

$$n^* = 0,25$$
Schwarzheit n^*
$$n^* = 0,5$$

0,00

relative Buntheit c^*
$$n^* = 1,0$$
$$n^* = 1,$$
$$n^* = 0,$$

Schwarzheit m

100

relative Buntheit c

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

our 10 Bunttöne: *no change compared to input*

Eingabe: Farbmetrisches Reflexions-System NCS11

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

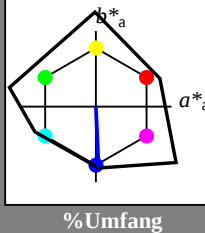
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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)
LAB*LAB 95.41 0.0 -0.01
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

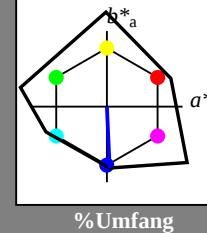
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

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

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

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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)
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

TG590-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

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

D65: 2 Koordinate-Daten von 5stufigen Farbreihen für 10 Bunttonen: no change compared to input

Eingabe: Farbmetrisches Reflexions-System NCS11

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

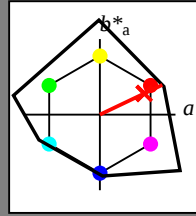
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

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)

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

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)

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)

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

$n^* = 5.25$

$n^* = 5.50$

$n^* = 5.75$

$n^* = 6.00$

$n^* = 6.25$

$n^* = 6.50$

$n^* = 6.75$

$n^* = 7.00$

$n^* = 7.25$

$n^* = 7.50$

$n^* = 7.75$

$n^* = 8.00$

$n^* = 8.25$

$n^* = 8.50$

$n^* = 8.75$

$n^* = 9.00$

$n^* = 9.25$

$n^* = 9.50$

$n^* = 9.75$

$n^* = 10.00$

$n^* = 10.25$

$n^* = 10.50$

$n^* = 10.75$

$n^* = 11.00$

$n^* = 11.25$

$n^* = 11.50$

$n^* = 11.75$

$n^* = 12.00$

$n^* = 12.25$

$n^* = 12.50$

$n^* = 12.75$

$n^* = 13.00$

$n^* = 13.25$

$n^* = 13.50$

$n^* = 13.75$

$n^* = 14.00$

$n^* = 14.25$

$n^* = 14.50$

$n^* = 14.75$

$n^* = 15.00$

$n^* = 15.25$

$n^* = 15.50$

$n^* = 15.75$

$n^* = 16.00$

$n^* = 16.25$

$n^* = 16.50$

$n^* = 16.75$

$n^* = 17.00$

$n^* = 17.25$

$n^* = 17.50$

$n^* = 17.75$

$n^* = 18.00$

$n^* = 18.25$

$n^* = 18.50$

$n^* = 18.75$

$n^* = 19.00$

$n^* = 19.25$

$n^* = 19.50$

$n^* = 19.75$

$n^* = 20.00$

$n^* = 20.25$

$n^* = 20.50$

$n^* = 20.75$

$n^* = 21.00$

$n^* = 21.25$

$n^* = 21.50$

$n^* = 21.75$

$n^* = 22.00$

$n^* = 22.25$

$n^* = 22.50$

$n^* = 22.75$

$n^* = 23.00$

$n^* = 23.25$

$n^* = 23.50$

$n^* = 23.75$

$n^* = 24.00$

$n^* = 24.25$

$n^* = 24.50$

$n^* = 24.75$

$n^* = 25.00$

$n^* = 25.25$

$n^* = 25.50$

$n^* = 25.75$

$n^* = 26.00$

$n^* = 26.25$

$n^* = 26.50$

$n^* = 26.75$

$n^* = 27.00$

$n^* = 27.25$

$n^* = 27.50$

$n^* = 27.75$

$n^* = 28.00$

$n^* = 28.25$

$n^* = 28.50$

$n^* = 28.75$

$n^* = 29.00$

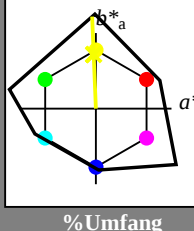
Eingabe: Farbmetrisches Reflexions-System NCS11

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*LABa 95.41 0.0 0.0
LAB*TCHa 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*LABa 94.16 -1.21 30.44
LAB*TCHa 87.5 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* 0.985 1.0 0.5 (1.0)
cmyn4* 0.016 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.52 -2.44 60.89
LAB*LABa 92.52 -2.44 60.89
LAB*TCHa 75.0 60.94 92.32

relative Inform. Technology (IT)
olvi3* 0.984 1.0 0.5 (1.0)
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 92.52 -2.44 60.89
LAB*LABa 92.52 -2.44 60.89
LAB*TCHa 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*LABa 91.68 -3.68 91.34
LAB*TCHa 62.5 91.41 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*LABa 91.68 -3.68 91.34
LAB*TCHa 62.5 91.41 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*LABa 74.31 0.02 0.0
LAB*TCHa 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*LABa 73.07 -1.2 30.45
LAB*TCHa 62.5 30.47 92.33

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

relative Inform. Technology (IT)
olvi3* 0.726 0.75 0.5 (1.0)
cmyn3* 0.274 0.25 0.25 (0.0)
olvi4* 0.976 1.0 0.75 (1.0)
cmyn4* 0.024 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 70.59 -3.71 91.33
LAB*LABa 70.59 -3.71 91.33
LAB*TCHa 50.0 91.41 92.32

relative Inform. Technology (IT)
olvi3* 0.726 0.75 0.5 (1.0)
cmyn3* 0.274 0.25 0.25 (0.0)
olvi4* 0.976 1.0 0.75 (1.0)
cmyn4* 0.024 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 70.59 -3.71 91.33
LAB*LABa 70.59 -3.71 91.33
LAB*TCHa 50.0 91.41 92.32

relative Inform. Technology (IT)
olvi3* 0.726 0.75 0.5 (1.0)
cmyn3* 0.274 0.25 0.25 (0.0)
olvi4* 0.976 1.0 0.75 (1.0)
cmyn4* 0.024 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 70.59 -3.71 91.33
LAB*LABa 70.59 -3.71 91.33
LAB*TCHa 50.0 91.41 92.32

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 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*TCHa 50.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.485 -0.029 0.25
cmyn3* 0.516 0.5 0.5 (1.0)
olvi4* 0.984 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.72 -2.47 60.88
LAB*LABa 50.72 -2.47 60.88
LAB*TCHa 37.5 30.47 92.33

relative Inform. Technology (IT)
olvi3* 0.485 -0.029 0.25
cmyn3* 0.516 0.5 0.5 (1.0)
olvi4* 0.984 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.72 -2.47 60.88
LAB*LABa 50.72 -2.47 60.88
LAB*TCHa 37.5 30.47 92.33

relative Inform. Technology (IT)
olvi3* 0.485 -0.029 0.25
cmyn3* 0.516 0.5 0.5 (1.0)
olvi4* 0.984 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.72 -2.47 60.88
LAB*LABa 50.72 -2.47 60.88
LAB*TCHa 37.5 30.47 92.33

relative Inform. Technology (IT)
olvi3* 0.485 -0.029 0.25
cmyn3* 0.516 0.5 0.5 (1.0)
olvi4* 0.984 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.72 -2.47 60.88
LAB*LABa 50.72 -2.47 60.88
LAB*TCHa 37.5 30.47 92.33

relative Inform. Technology (IT)
olvi3* 0.485 -0.029 0.25
cmyn3* 0.516 0.5 0.5 (1.0)
olvi4* 0.984 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.72 -2.47 60.88
LAB*LABa 50.72 -2.47 60.88
LAB*TCHa 37.5 30.47 92.33

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*LABa 32.11 0.07 0.01
LAB*TCHa 25.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.242 0.25 0.0 (1.0)
cmyn3* 0.758 0.75 1.0 (0.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 30.86 -1.23 30.43
LAB*LABa 30.86 -1.23 30.43
LAB*TCHa 12.5 30.46 92.33

relative Inform. Technology (IT)
olvi3* 0.242 0.25 0.0 (1.0)
cmyn3* 0.758 0.75 1.0 (0.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 30.86 -1.23 30.43
LAB*LABa 30.86 -1.23 30.43
LAB*TCHa 12.5 30.46 92.33

relative Inform. Technology (IT)
olvi3* 0.242 0.25 0.0 (1.0)
cmyn3* 0.758 0.75 1.0 (0.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 30.86 -1.23 30.43
LAB*LABa 30.86 -1.23 30.43
LAB*TCHa 12.5 30.46 92.33

relative Inform. Technology (IT)
olvi3* 0.242 0.25 0.0 (1.0)
cmyn3* 0.758 0.75 1.0 (0.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 30.86 -1.23 30.43
LAB*LABa 30.86 -1.23 30.43
LAB*TCHa 12.5 30.46 92.33

relative Inform. Technology (IT)
olvi3* 0.242 0.25 0.0 (1.0)
cmyn3* 0.758 0.75 1.0 (0.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 30.86 -1.23 30.43
LAB*LABa 30.86 -1.23 30.43
LAB*TCHa 12.5 30.46 92.33

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 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.235 -0.009 0.25
cmyn3* 0.765 0.75 0.75 (1.0)
olvi4* 0.982 1.0 0.75 (1.0)
cmyn4* 0.016 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.05 0.25 0.008
LAB*LABa 9.05 0.25 0.008
LAB*TCHa 0.0 0.0 0.0

TG59-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11ap; $lab^* = setrgbcolor$
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen; no change compared to input

BAM-Registrierung: 20060101-TG59/10Q/Q59G09NP.PS.PDF BAM-Material: Code=rha4ta
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