

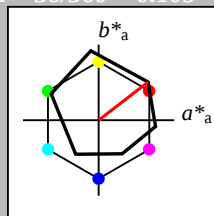
Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$

lab^*ch und lab^*nch

D65: Buntton O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

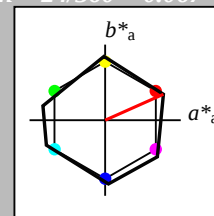
Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$

lab^*ch und lab^*nch

D65: Buntton R
LCH*Ma: 53 84 24
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	74.3	38.55	17.16
LAB*LABa	74.3	38.52	17.16
LAB*TCHa	75.0	42.17	24.01

relative CIELAB lab*

lab*lab	0.75	0.457	0.203
lab*tch	0.75	0.5	0.067
lab*nch	0.0	0.5	0.067

relative Natural Colour (NC)

lab*lrj	0.75	0.5	-0.009
lab*tce	0.75	0.5	0.997
lab*nce	0.0	0.5	0.997

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	1.0	(0.0)
olvi4*	1.0	0.0	0.0	1.0
cmyn4*	0.0	1.0	1.0	0.0

standard and adapted CIELAB

LAB*LAB	53.2	77.09	34.32
LAB*LABa	53.2	77.04	34.31
LAB*TCHa	50.0	84.34	24.01

relative CIELAB lab*

lab*lab	0.5	0.913	0.407
lab*tch	0.5	1.0	0.067
lab*nch	0.0	1.0	0.067

relative Natural Colour (NC)

lab*lrj	0.5	1.0	-0.019
lab*tce	0.5	1.0	0.997
lab*nce	0.0	1.0	0.997

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	0.5
cmyn4*	0.0	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	32.1	38.58	17.17
LAB*LABa	32.1	38.52	17.16
LAB*TCHa	25.01	42.17	24.01

relative CIELAB lab*

lab*lab	0.25	0.457	0.203
lab*tch	0.25	0.5	0.067
lab*nch	0.5	0.5	0.067

relative Natural Colour (NC)

lab*lrj	0.25	0.5	-0.009
lab*tce	0.25	0.5	0.997
lab*nce	0.5	0.5	0.997

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

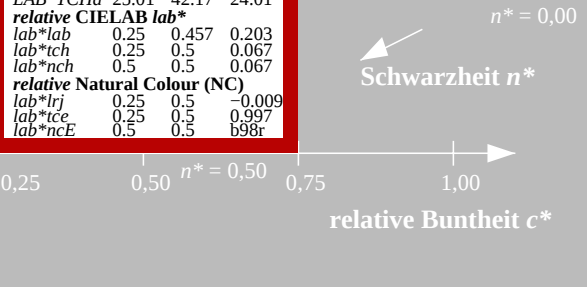
LAB*LAB	11.01	0.07	0.01
LAB*LABa	11.01	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Schwarzheit n^*

relative Buntheit c^*

Schwarzheit n^*

relative Buntheit c^*

UG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (rechts)

BAM-Prüfvorlage UG02; Farbmétrik-Systeme ORS18 & NRS11input: $cmv0^* setcmykcolor$

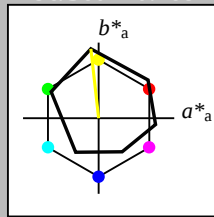
D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 96/360 = 0.268$
 lab^*ch und lab^*nch

D65: Buntton Y
LCH*Ma: 90 92 96
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

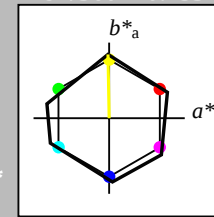
$g^*_{C,rel} = 59$

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 91/360 = 0.253$
 lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 53 84 91
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 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 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
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*tch 0.0 0.0 -
lab*nch 1.0 0.0 -

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 1.0
cmyn4* 0.0 0.0 0.5 0.0

standard and adapted CIELAB
LAB*LAB 74.3 -0.72 42.18
LAB*LABa 74.3 -0.75 42.18
LAB*TCHa 75.0 42.19 91.03

relative CIELAB lab*
lab*lab 0.75 -0.008 0.5
lab*tch 0.75 0.5 0.253
lab*nch 0.0 0.5 0.253

relative Natural Colour (NC)
lab*lrj 0.75 0.015 0.5
lab*tce 0.75 0.5 0.245
lab*nce 0.0 0.5 r98j

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olvi4* 1.0 1.0 0.5 0.5
cmyn4* 0.0 0.0 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 -0.69 42.2
LAB*LABa 32.1 -0.75 42.18
LAB*TCHa 25.01 42.19 91.03

relative CIELAB lab*
lab*lab 0.25 -0.008 0.5
lab*tch 0.25 0.5 0.253
lab*nch 0.5 0.5 0.253

relative Natural Colour (NC)
lab*lrj 0.25 0.015 0.5
lab*tce 0.25 0.5 0.245
lab*nce 0.5 0.5 r98j

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 0.0 1.0
cmyn4* 0.0 0.0 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 -1.46 84.37
LAB*LABa 53.2 -1.51 84.36
LAB*TCHa 50.0 84.37 91.03

relative CIELAB lab*
lab*lab 0.5 -0.017 1.0
lab*tch 0.5 1.0 0.253
lab*nch 0.0 1.0 0.253

relative Natural Colour (NC)
lab*lrj 0.5 0.031 0.999
lab*tce 0.5 1.0 0.245
lab*nce 0.0 1.0 r98j

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG02/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG02/10Q/Q02G01FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen, Yr=2.5, XYZ
/UG02/ Form: 2/10, Serie: 1/1, Seite: 2 Seitenhang 2

UG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

3 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (rechts)

BAM-Prüfvorlage UG02; Farbmétrik-Systeme ORS18 & NRS11input: `cmv0* setcmvcolor`

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`

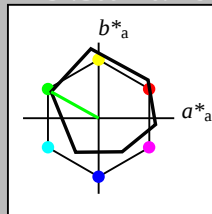
Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*tch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

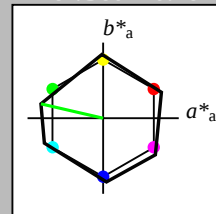
Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 167/360 = 0.464$

lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 53 84 167
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

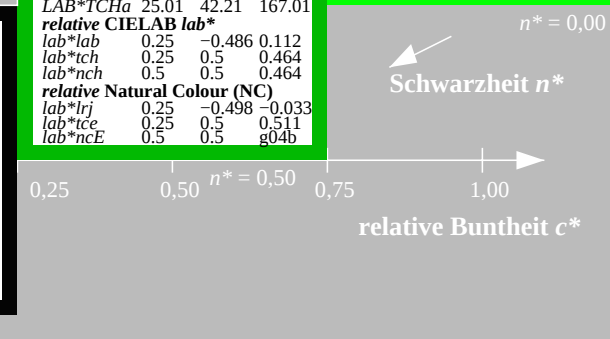
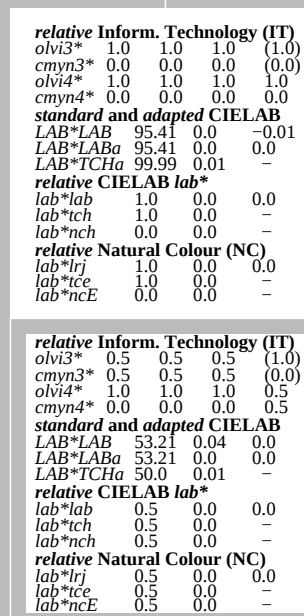
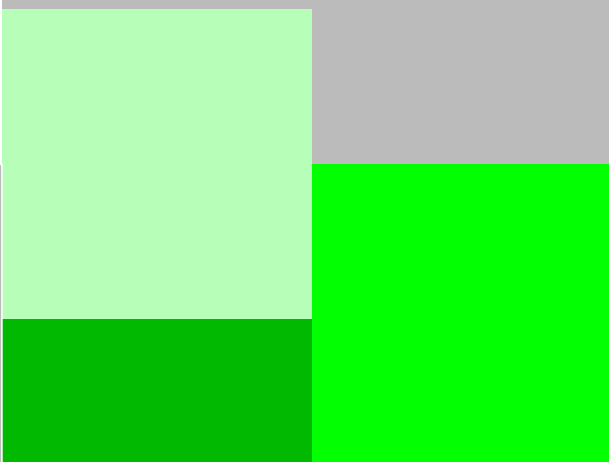
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	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

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 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 1.0
cmyn4* 0.5 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 74.3 -41.1 9.49
LAB*LABa 74.3 -41.12 9.49
LAB*TCHa 75.0 42.21 167.01
relative CIELAB lab*
lab*lab 0.75 -0.486 0.112
lab*tch 0.75 0.5 0.464
lab*nch 0.0 0.5 0.464
relative Natural Colour (NC)
lab*lrj 0.75 -0.498 -0.033
lab*tce 0.75 0.5 0.511
lab*nce 0.0 0.5 g04b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.5
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 32.1 -41.06 9.5
LAB*LABa 32.1 -41.12 9.49
LAB*TCHa 25.01 42.21 167.01
relative CIELAB lab*
lab*lab 0.25 -0.486 0.112
lab*tch 0.25 0.5 0.464
lab*nch 0.5 0.5 0.464
relative Natural Colour (NC)
lab*lrj 0.25 -0.498 -0.033
lab*tce 0.25 0.5 0.511
lab*nce 0.5 0.5 g04b

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 0.0 1.0 0.0 1.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 53.2 -82.21 18.98
LAB*LABa 53.2 -82.25 18.97
LAB*TCHa 50.0 84.42 167.01
relative CIELAB lab*
lab*lab 0.5 -0.973 0.225
lab*tch 0.5 1.0 0.464
lab*nch 0.0 1.0 0.464
relative Natural Colour (NC)
lab*lrj 0.5 -0.996 -0.067
lab*tce 0.5 1.0 0.511
lab*nce 0.0 1.0 g04b



UG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

3 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (rechts)

BAM-Prüfvorlage UG02; Farbmétrik-Systeme ORS18 & NRS11input: $cmv0^* setcmykcolor$

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 236/360 = 0.656$

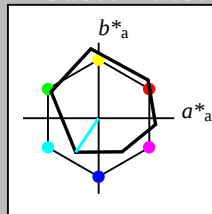
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

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

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

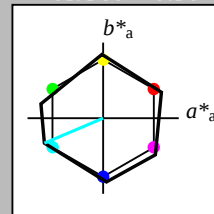
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

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*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 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 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 1.0
cmyn4* 0.5 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 74.3 -38.82 -16.48
LAB*LABa 74.3 -38.85 -16.48
LAB*TCa 75.0 42.21 203.0

relative CIELAB lab*
lab*lab 0.75 -0.459 -0.194
lab*tch 0.75 0.5 0.564
lab*nch 0.0 0.5 0.564

relative Natural Colour (NC)
lab*lrj 0.75 -0.416 -0.275
lab*tce 0.75 0.5 0.593
lab*nce 0.0 0.5 g37b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 0.5
cmyn4* 0.5 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 32.1 -38.79 -16.46
LAB*LABa 32.1 -38.85 -16.48
LAB*TCa 25.01 42.21 203.0

relative CIELAB lab*
lab*lab 0.25 -0.459 -0.194
lab*tch 0.25 0.5 0.564
lab*nch 0.5 0.5 0.564

relative Natural Colour (NC)
lab*lrj 0.25 -0.416 -0.275
lab*tce 0.25 0.5 0.593
lab*nce 0.5 0.5 g37b

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 1.0
cmyn4* 1.0 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 -77.67 -32.96
LAB*LABa 53.2 -77.71 -32.97
LAB*TCa 50.0 84.43 202.99

relative CIELAB lab*
lab*lab 0.5 -0.919 -0.39
lab*tch 0.5 1.0 0.564
lab*nch 0.0 1.0 0.564

relative Natural Colour (NC)
lab*lrj 0.5 -0.833 -0.551
lab*tce 0.5 1.0 0.593
lab*nce 0.0 1.0 g37b

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG02/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG02/10Q/Q02G03FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen, Yr=2.5, XYZ
/UG02/ Form: 4/10, Serie: 1/1, Seite: 4
Seitenhang 4

UG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

3 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

BAM-Prüfvorlage UG02; Farbmétrik-Systeme ORS18 & NRS11input: `cmv0* setcmvcolor`

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

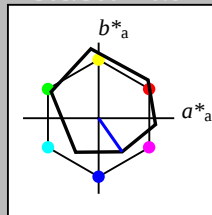
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

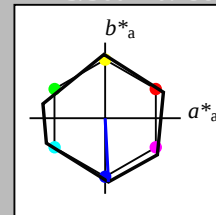
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.5	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*TBa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	74.3	2.21	-42.13
LAB*LABa	74.3	2.19	-42.13
LAB*TBa	75.0	42.2	272.97

relative CIELAB lab*

lab*lab	0.75	0.026	-0.498
lab*tch	0.75	0.5	0.758
lab*nch	0.0	0.5	0.758

relative Natural Colour (NC)

lab*lrj	0.75	0.009	-0.499
lab*tce	0.75	0.5	0.753
lab*nce	0.0	0.5	b01r

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	0.5
cmyn4*	0.5	0.5	0.0	0.5

standard and adapted CIELAB

LAB*LAB	32.1	2.25	-42.11
LAB*LABa	32.1	2.19	-42.13
LAB*TBa	25.01	42.2	272.97

relative CIELAB lab*

lab*lab	0.25	0.026	-0.498
lab*tch	0.25	0.5	0.758
lab*nch	0.5	0.5	0.758

relative Natural Colour (NC)

lab*lrj	0.25	0.009	-0.499
lab*tce	0.25	0.5	0.753
lab*nce	0.5	0.5	b01r

relative Inform. Technology (IT)

olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	0.0	0.0	1.0	1.0
cmyn4*	1.0	1.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	53.2	4.42	-84.26
LAB*LABa	53.2	4.37	-84.27
LAB*TBa	50.0	84.39	272.97

relative CIELAB lab*

lab*lab	0.5	0.052	-0.997
lab*tch	0.5	1.0	0.758
lab*nch	0.0	1.0	0.758

relative Natural Colour (NC)

lab*lrj	0.5	0.018	-0.999
lab*tce	0.5	1.0	0.753
lab*nce	0.0	1.0	b01r

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	0.5
cmyn4*	0.5	0.5	0.0	0.5

standard and adapted CIELAB

LAB*LAB	32.1	2.25	-42.11
LAB*LABa	32.1	2.19	-42.13
LAB*TBa	25.01	42.2	272.97

relative CIELAB lab*

lab*lab	0.25	0.026	-0.498
lab*tch	0.25	0.5	0.758
lab*nch	0.5	0.5	0.758

relative Natural Colour (NC)

lab*lrj	0.25	0.009	-0.499
lab*tce	0.25	0.5	0.753
lab*nce	0.5	0.5	b01r

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$

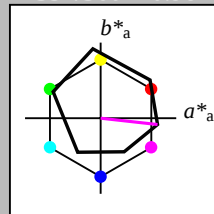
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Ausgabe: Farbmétrisches Reflexions-System NRS11

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

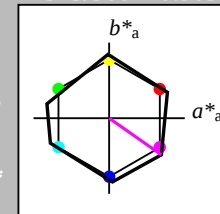
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

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

standard and adapted CIELAB

LAB*LAB	74.3	34.57	-24.19
LAB*LABa	74.3	34.54	-24.2
LAB*TCHa	75.0	42.18	324.98

relative CIELAB lab*

lab*lab	0.75	0.409	-0.286
lab*tch	0.75	0.5	0.903
lab*nch	0.0	0.5	0.903

relative Natural Colour (NC)

lab*lrj	0.75	0.336	-0.37
lab*tce	0.75	0.5	0.867
lab*nce	0.0	0.5	b46r

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	0.5
cmyn4*	0.0	0.5	0.0	0.5

standard and adapted CIELAB

LAB*LAB	32.1	34.6	-24.18
LAB*LABa	32.1	34.54	-24.2
LAB*TCHa	25.01	42.18	324.98

relative CIELAB lab*

lab*lab	0.25	0.409	-0.286
lab*tch	0.25	0.5	0.903
lab*nch	0.5	0.5	0.903

relative Natural Colour (NC)

lab*lrj	0.25	0.336	-0.37
lab*tce	0.25	0.5	0.867
lab*nce	0.5	0.5	b46r

relative Inform. Technology (IT)

olvi3*	1.0	0.0	1.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olvi4*	1.0	0.0	1.0	1.0
cmyn4*	0.0	1.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	53.2	69.12	-48.39
LAB*LABa	53.2	69.08	-48.4
LAB*TCHa	50.0	84.35	324.98

relative CIELAB lab*

lab*lab	0.5	0.819	-0.573
lab*tch	0.5	1.0	0.903
lab*nch	0.0	1.0	0.903

relative Natural Colour (NC)

lab*lrj	0.5	0.671	-0.74
lab*tce	0.5	1.0	0.867
lab*nce	0.0	1.0	b46r

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG02/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG02/10Q/Q02G05FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen, Yr=2.5, XYZ
/UG02/ Form: 6/10, Serie: 1/1, Seite: 6
Seite 6

UG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

3 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

BAM-Prüfvorlage UG02; Farbmétrik-Systeme ORS18 & NRS11input: $cmv0^* setcmykcolor$

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$

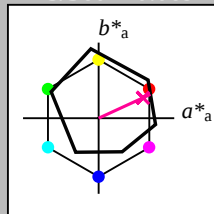
Eingabe: Farbmétrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton R
LCH*Ma: 48 75 25
olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

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

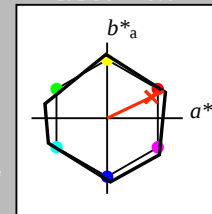
Ausgabe: Farbmétrisches Reflexions-System NRS11

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

lab^*ch und lab^*nch

D65: Buntton R
LCH*Ma: 53 83 25
olv*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

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*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 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 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.514 0.5 (1.0)
cmyn3* 0.0 0.486 0.5 (0.0)
olvi4* 1.0 0.514 0.5 1.0
cmyn4* 0.0 0.486 0.5 0.0

standard and adapted CIELAB
LAB*LAB 74.3 37.46 17.85
LAB*LABa 74.3 37.44 17.85
LAB*TCa 75.0 41.47 25.49

relative CIELAB lab*
lab*lab 0.75 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.75 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.0
lab*tce 0.5 1.0 1.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 0.5
cmyn4* 0.0 0.486 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 37.51 17.86
LAB*LABa 32.1 37.45 17.84
LAB*TCa 25.01 41.48 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.25 0.5 0.0
lab*tce 0.25 0.5 1.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.028 0.0 (1.0)
cmyn3* 0.0 0.972 1.0 (0.0)
olvi4* 1.0 0.028 0.0 1.0
cmyn4* 0.0 0.972 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 74.93 35.7
LAB*LABa 53.2 74.88 35.69
LAB*TCa 50.0 82.95 25.48

relative CIELAB lab*
lab*lab 0.5 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0

Eingabe: Farbmétrisches Reflexions-System ORS18

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

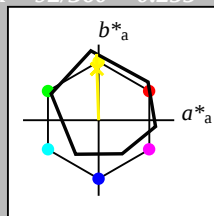
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Ausgabe: Farbmétrisches Reflexions-System NRS11

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

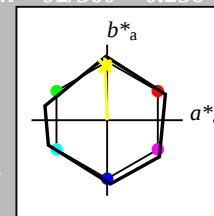
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

olv*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

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 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 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 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
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*tch 0.0 0.0 -
lab*nch 1.0 0.0 -

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.989 1.0 0.5 (1.0)
cmyn3* 0.011 0.0 0.5 (0.0)
olvi4* 0.989 1.0 0.5 1.0
cmyn4* 0.011 0.0 0.5 0.0

standard and adapted CIELAB
LAB*LAB 74.3 -1.64 41.44
LAB*LABa 74.3 -1.67 41.44
LAB*TCHa 75.0 41.47 92.32

relative CIELAB lab*
lab*lab 0.75 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256

relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*nce 0.0 0.5 r99j

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.0 (1.0)
cmyn3* 0.511 0.5 1.0 (0.0)
olvi4* 0.989 1.0 0.5 0.5
cmyn4* 0.011 0.0 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.1 -1.62 41.45
LAB*LABa 32.1 -1.68 41.43
LAB*TCHa 25.01 41.46 92.33

relative CIELAB lab*
lab*lab 0.25 -0.019 0.499
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256

relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.5
lab*tce 0.25 0.5 0.25
lab*nce 0.5 0.5 100g

relative Inform. Technology (IT)
olvi3* 0.977 1.0 0.0 (1.0)
cmyn3* 0.023 0.0 1.0 (0.0)
olvi4* 0.977 1.0 0.0 1.0
cmyn4* 0.023 0.0 1.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 -3.31 82.87
LAB*LABa 53.2 -3.35 82.86
LAB*TCHa 50.0 82.93 92.32

relative CIELAB lab*
lab*lab 0.5 -0.04 0.999
lab*tch 0.5 1.0 0.256
lab*nch 0.0 1.0 0.256

relative Natural Colour (NC)
lab*lrj 0.5 0.0 1.0
lab*tce 0.5 1.0 0.25
lab*nce 0.0 1.0 r99j

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG02/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG02/10Q/Q02G07FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen, Yr=2.5, XYZ
/UG02/ Form: 8/10, Serie: 1/1, Seite: 8
Seite 8

UG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage UG02; Farbmétrik-Systeme ORS18 & NRS11input: $cmv0^* setcmykcolor$

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmétrisches Reflexions-System ORS18

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

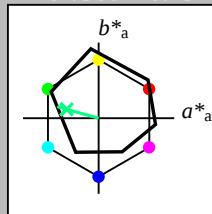
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit t^*



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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Ausgabe: Farbmétrisches Reflexions-System NRS11

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

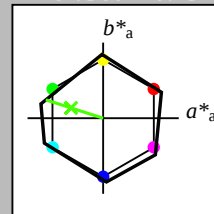
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

olv*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

relative Inform. Technology (IT)

olvi3*	0.54	1.0	0.5	(1.0)
cmyn3*	0.46	0.0	0.5	(0.0)
olvi4*	0.54	1.0	0.5	1.0
cmyn4*	0.46	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	74.3	-37.84	12.13
LAB*LABa	74.3	-37.87	12.12
LAB*TCa	75.0	39.77	162.25

relative CIELAB lab*

lab*lab	0.75	-0.475	0.152
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*lrj	0.75	-0.499	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	j99g

relative Inform. Technology (IT)

olvi3*	0.04	0.5	0.0	(1.0)
cmyn3*	0.96	0.5	1.0	(0.0)
olvi4*	0.54	1.0	0.5	0.5
cmyn4*	0.46	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	32.1	-37.81	12.13
LAB*LABa	32.1	-37.87	12.12
LAB*TCa	25.01	39.77	162.27

relative CIELAB lab*

lab*lab	0.25	-0.475	0.152
lab*tch	0.25	0.5	0.451
lab*nch	0.5	0.5	0.451

relative Natural Colour (NC)

lab*lrj	0.25	-0.499	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.5	0.5	g00b

relative Inform. Technology (IT)

olvi3*	0.081	1.0	0.0	(1.0)
cmyn3*	0.919	0.0	1.0	(0.0)
olvi4*	0.081	1.0	0.0	1.0
cmyn4*	0.919	0.0	1.0	0.0

standard and adapted CIELAB

LAB*LAB	53.2	-75.71	24.25
LAB*LABa	53.2	-75.75	24.24
LAB*TCa	50.0	79.54	162.26

relative CIELAB lab*

lab*lab	0.5	-0.951	0.305
lab*tch	0.5	1.0	0.451
lab*nch	0.0	1.0	0.451

relative Natural Colour (NC)

lab*lrj	0.5	-0.999	0.0
lab*tce	0.5	1.0	0.5
lab*nce	0.0	1.0	g00b

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	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	53.21	0.04	0.0
LAB*LABa	53.21	0.0	0.0
LAB*TCa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	11.01	0.07	0.01
LAB*LABa	11.01	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 271/360 = 0.754$

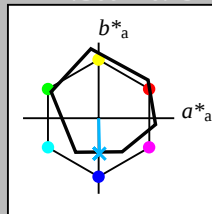
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit t^*



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

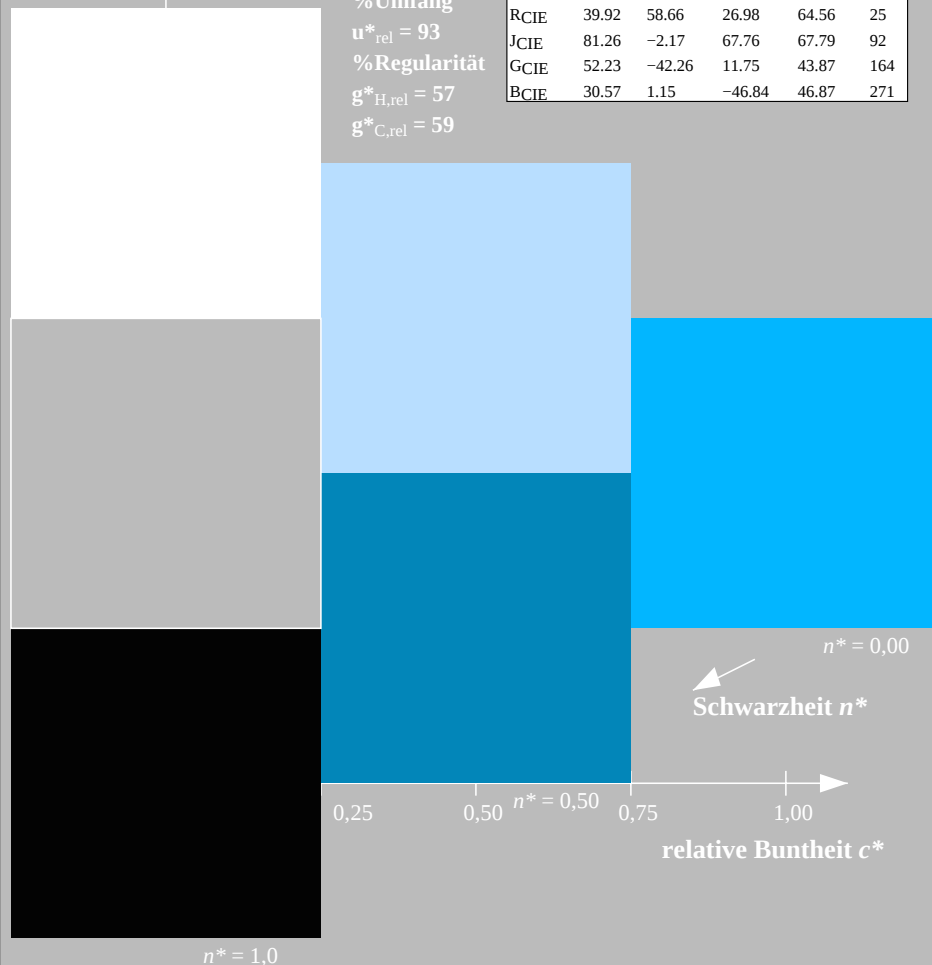
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 272/360 = 0.755$

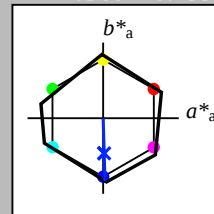
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

olv*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 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 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
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*tch 0.0 0.0 -
lab*nch 1.0 0.0 -

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.512 1.0 (1.0)
cmyn3* 0.5 0.488 0.0 (0.0)
olvi4* 0.5 0.512 1.0 1.0
cmyn4* 0.5 0.488 0.0 0.0

standard and adapted CIELAB
LAB*LAB 74.3 1.23 -41.51
LAB*LABa 74.3 1.2 -41.52
LAB*TCHa 75.0 41.54 271.66

relative CIELAB lab*
lab*lab 0.75 0.014 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755

relative Natural Colour (NC)
lab*lrj 0.75 0.0 -0.499
lab*tce 0.75 0.5 0.75
lab*nce 0.0 0.5 g99b

relative Inform. Technology (IT)
olvi3* 0.0 0.012 0.5 (1.0)
cmyn3* 1.0 0.988 0.5 (0.0)
olvi4* 0.5 0.512 1.0 0.5
cmyn4* 0.5 0.488 0.0 0.5

standard and adapted CIELAB
LAB*LAB 32.1 1.27 -41.5
LAB*LABa 32.1 1.21 -41.52
LAB*TCHa 25.01 41.55 271.67

relative CIELAB lab*
lab*lab 0.25 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.5 0.5 0.755

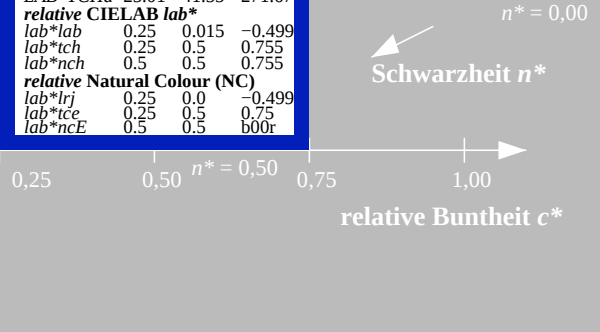
relative Natural Colour (NC)
lab*lrj 0.25 0.0 -0.499
lab*tce 0.25 0.5 0.75
lab*nce 0.5 0.5 b00r

relative Inform. Technology (IT)
olvi3* 0.0 0.024 1.0 (1.0)
cmyn3* 1.0 0.976 0.0 (0.0)
olvi4* 0.0 0.024 1.0 1.0
cmyn4* 1.0 0.976 0.0 0.0

standard and adapted CIELAB
LAB*LAB 53.2 2.46 -83.04
LAB*LABa 53.2 2.42 -83.05
LAB*TCHa 50.0 83.09 271.67

relative CIELAB lab*
lab*lab 0.5 0.029 -0.998
lab*tch 0.5 1.0 0.755
lab*nch 0.0 1.0 0.755

relative Natural Colour (NC)
lab*lrj 0.5 0.0 -0.999
lab*tce 0.5 1.0 0.75
lab*nce 0.0 1.0 b00r



3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

UG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

BAM-Prüfvorlage UG02; Farbmétrik-Systeme ORS18 & NRS11input: `cmv0* setcmvcolor`

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`