BAM-Registrierung: 20060101-UG57/10Q/Q57G00FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/UG57/ Form: 1/10, Serie: 1/1, Seite: 1 Sattenz hung 1

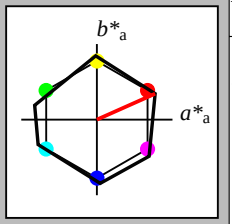
Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton *h = lab*h = 24/360 = 0.067**
lab*tch* und *lab*nch

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

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 119

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	−15.1	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

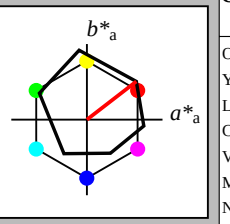
%Regularität
g*H,rel = 47
g*C,rel = 100

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h = lab*h = 38/360 = 0.105**
lab*tch* und *lab*nch

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

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 93

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

%Regularität
g*H,rel = 57
g*C,rel = 59

UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)
5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntton output: *olv* setrgbcolor / w* setgray*

Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

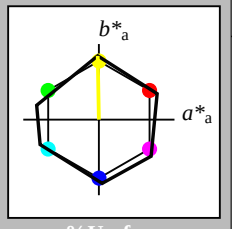
BAM-Registrierung: 20060101-UG57/10Q/Q57G01FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/UG57/ Form: 2/10, Serie: 1/1, Seite: 2 Sättigung 2

Eingabe: Farbmetrisches Reflexions-System NRS11

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

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

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

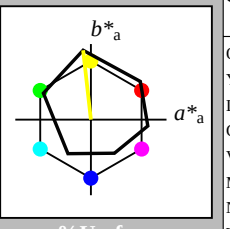
%Regularität
$g^*_{H,rel} = 47$
$g^*_{C,rel} = 100$

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*

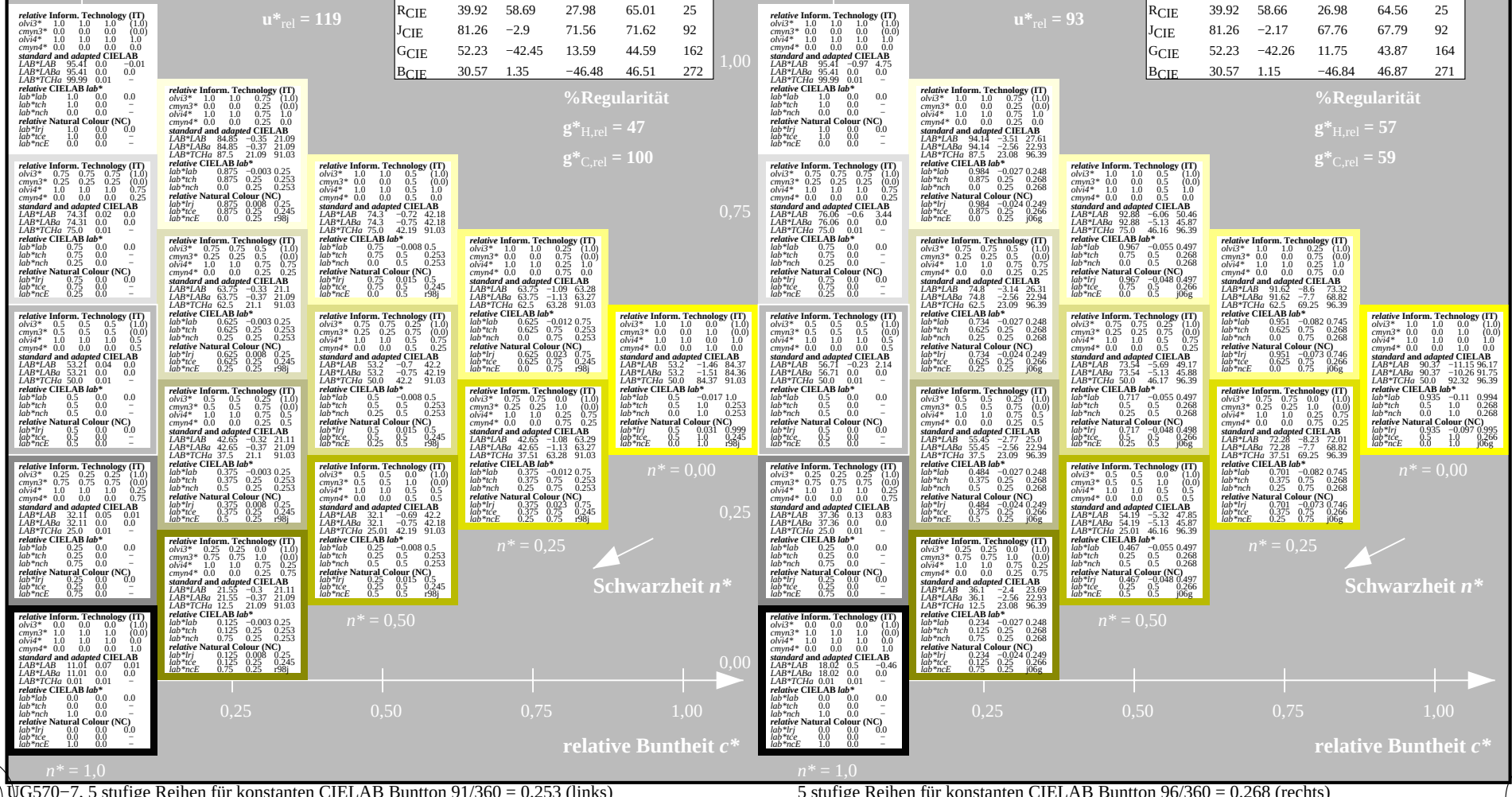


%Umfang
$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

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



UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntton output: *olv* setrgbcolor / w* setgray*

www.ps.bam.de/UG57/10Q/Q57G02FP.PS/.PDF; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) UG57/10Q/Q57G02FP.DAT in der Datei (F)

Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

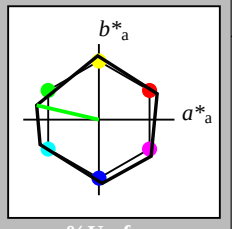
BAM-Registrierung: 20060101-UG57/10Q/Q57G02FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/UG57/ Form: 3/10, Serie: 1/1, Seite: 3 Sektenz hlung 3

Eingabe: Farbmetrisches 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
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 119

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

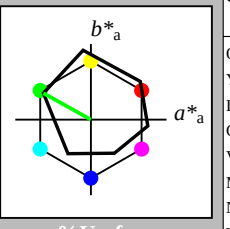
%Regularität
$g^*_{H,rel}$ = 47
$g^*_{C,rel}$ = 100

Ausgabe: Farbmetrisches 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
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

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

1,00

0,75

0,25

0,00

Schwarzheit *n**

relative Buntheit *c**

*n** = 1,0 *n** = 0,50 *n** = 0,25 *n** = 0,00

0,25 0,50 0,75 1,00

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** 0.75 0.75 0.75 (1.0)
*cmyn3** 0.25 0.25 0.25 (0.0)
*olvi4** 1.0 1.0 1.0 0.75
*cmyn4** 0.0 0.0 0.0 0.25
***standard and adapted* CIELAB**
*LAB*LAB* 74.31 0.02 0.0
*LAB*LABa* 74.31 0.0 0.0
*LAB*TCHa* 75.0 0.01 –
relative **CIELAB *lab****
*lab*lab* 0.75 0.0 0.0
*lab*tch* 0.75 0.0 –
*lab*nch* 0.25 0.0 –
relative **Natural Colour (NC)**
*lab*lrj* 0.75 0.0 0.0
*lab*tce* 0.75 0.0 –
*lab*ncE* 0.25 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** 0.25 0.25 0.25 (1.0)
*cmyn3** 0.75 0.75 0.75 (0.0)
*olvi4** 1.0 1.0 1.0 0.25
*cmyn4** 0.0 0.0 0.0 0.75
***standard and adapted* CIELAB**
*LAB*LAB* 32.11 0.05 0.01
*LAB*LABa* 32.11 0.0 0.0
*LAB*TCHa* 25.0 0.01 –
relative **CIELAB *lab****
*lab*lab* 0.25 0.0 0.0
*lab*tch* 0.25 0.0 –
*lab*nch* 0.75 0.0 –
relative **Natural Colour (NC)**
*lab*lrj* 0.25 0.0 0.0
*lab*tce* 0.25 0.0 –
*lab*ncE* 0.75 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 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** 0.75 1.0 0.75 (1.0)
*cmyn3** 0.25 0.0 0.25 (0.0)
*olvi4** 0.75 1.0 0.75 1.0
*cmyn4** 0.25 0.0 0.25 0.0
***standard and adapted* CIELAB**
*LAB*LAB* 84.85 −20.53 4.74
*LAB*LABa* 84.85 −20.55 4.74
*LAB*TCHa* 87.5 21.1 167.01
relative **CIELAB *lab****
*lab*lab* 0.875 −0.243 0.056
*lab*tch* 0.875 0.25 0.464
*lab*nch* 0.0 0.25 0.464
relative **Natural Colour (NC)**
*lab*lrj* 0.875 −0.248 −0.016
*lab*tce* 0.875 0.25 0.511
*lab*ncE* 0.0 0.25 g04b

relative Inform. Technology (IT)
*olvi3** 0.5 0.75 0.5 (1.0)
*cmyn3** 0.5 0.25 0.5 (0.0)
*olvi4** 0.75 1.0 0.75 0.75
*cmyn4** 0.25 0.0 0.25 0.25
***standard and adapted* CIELAB**
*LAB*LAB* 63.75 −20.53 4.75
*LAB*LABa* 63.75 −20.56 4.74
*LAB*TCHa* 62.5 21.11 167.01
relative **CIELAB *lab****
*lab*lab* 0.625 −0.243 0.056
*lab*tch* 0.625 0.25 0.464
*lab*nch* 0.25 0.25 0.464
relative **Natural Colour (NC)**
*lab*lrj* 0.625 −0.248 −0.016
*lab*tce* 0.625 0.25 0.511
*lab*ncE* 0.25 0.25 g04b

relative Inform. Technology (IT)
*olvi3** 0.25 0.75 0.25 (1.0)
*cmyn3** 0.75 0.25 0.75 (0.0)
*olvi4** 0.5 1.0 0.5 0.75
*cmyn4** 0.5 0.0 0.5 0.25
***standard and adapted* CIELAB**
*LAB*LAB* 53.2 −41.09 9.5
*LAB*LABa* 53.2 −41.13 9.49
*LAB*TCHa* 50.0 42.22 167.01
relative **CIELAB *lab****
*lab*lab* 0.5 −0.486 0.112
*lab*tch* 0.5 0.5 0.464
*lab*nch* 0.25 0.5 0.464
relative **Natural Colour (NC)**
*lab*lrj* 0.5 −0.498 −0.033
*lab*tce* 0.5 0.5 0.511
*lab*ncE* 0.25 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 0.25 0.0 (1.0)
*cmyn3** 1.0 0.75 1.0 (0.0)
*olvi4** 0.75 1.0 0.75 0.25
*cmyn4** 0.25 0.0 0.25 0.75
***standard and adapted* CIELAB**
*LAB*LAB* 21.55 −20.48 4.76
*LAB*LABa* 21.55 −20.55 4.74
*LAB*TCHa* 12.5 21.1 167.01
relative **CIELAB *lab****
*lab*lab* 0.125 −0.243 0.056
*lab*tch* 0.125 0.25 0.464
*lab*nch* 0.75 0.25 0.464
relative **Natural Colour (NC)**
*lab*lrj* 0.125 −0.248 −0.016
*lab*tce* 0.125 0.25 0.511
*lab*ncE* 0.75 0.25 g04b

relative Inform. Technology (IT)
*olvi3** 0.25 1.0 0.25 (1.0)
*cmyn3** 0.75 0.0 0.75 (0.0)
*olvi4** 0.25 1.0 0.25 1.0
*cmyn4** 0.75 0.0 0.75 0.0
***standard and adapted* CIELAB**
*LAB*LAB* 63.75 −61.66 14.24
*LAB*LABa* 63.75 −61.69 14.23
*LAB*TCHa* 62.5 63.32 167.01
relative **CIELAB *lab****
*lab*lab* 0.625 −0.73 0.169
*lab*tch* 0.625 0.75 0.464
*lab*nch* 0.0 0.75 0.464
relative **Natural Colour (NC)**
*lab*lrj* 0.625 −0.747 −0.05
*lab*tce* 0.625 0.75 0.511
*lab*ncE* 0.0 0.75 g04b

relative Inform. Technology (IT)
*olvi3** 0.0 0.75 0.0 (1.0)
*cmyn3** 1.0 0.25 1.0 (0.0)
*olvi4** 0.25 1.0 0.25 0.75
*cmyn4** 0.75 0.0 0.75 0.25
***standard and adapted* CIELAB**
*LAB*LAB* 42.65 −61.64 14.24
*LAB*LABa* 42.65 −61.69 14.23
*LAB*TCHa* 37.51 63.32 167.01
relative **CIELAB *lab****
*lab*lab* 0.375 −0.73 0.169
*lab*tch* 0.375 0.75 0.464
*lab*nch* 0.25 0.75 0.464
relative **Natural Colour (NC)**
*lab*lrj* 0.375 −0.747 −0.05
*lab*tce* 0.375 0.75 0.511
*lab*ncE* 0.25 0.75 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

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* 50.9 −62.91 36.69
*LAB*LABa* 50.9 −62.78 34.94
*LAB*TCHa* 50.0 71.86 150.91
relative **CIELAB *lab****
*lab*lab* 0.425 −0.873 0.486
*lab*tch* 0.5 1.0 0.419
*lab*nch* 0.0 1.0 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.425 −0.956 0.289
*lab*tce* 0.5 1.0 0.453
*lab*ncE* 0.0 1.0 j81g

relative Inform. Technology (IT)
*olvi3** 0.75 1.0 0.75 (1.0)
*cmyn3** 0.25 0.0 0.25 (0.0)
*olvi4** 0.75 1.0 0.75 1.0
*cmyn4** 0.25 0.0 0.25 0.0
***standard and adapted* CIELAB**
*LAB*LAB* 84.28 −16.45 12.74
*LAB*LABa* 84.28 −15.68 8.73
*LAB*TCHa* 87.5 17.96 150.91
relative **CIELAB *lab****
*lab*lab* 0.856 −0.217 0.122
*lab*tch* 0.875 0.25 0.419
*lab*nch* 0.0 0.25 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.856 −0.238 0.072
*lab*tce* 0.875 0.25 0.453
*lab*ncE* 0.0 0.25 j81g

relative Inform. Technology (IT)
*olvi3** 0.5 0.75 0.5 (1.0)
*cmyn3** 0.5 0.25 0.5 (0.0)
*olvi4** 0.75 1.0 0.75 0.75
*cmyn4** 0.25 0.0 0.25 0.25
***standard and adapted* CIELAB**
*LAB*LAB* 73.15 −31.94 20.73
*LAB*LABa* 73.15 −31.38 17.47
*LAB*TCHa* 75.0 35.93 150.91
relative **CIELAB *lab****
*lab*lab* 0.712 −0.436 0.243
*lab*tch* 0.75 0.5 0.419
*lab*nch* 0.0 0.5 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.712 −0.478 0.144
*lab*tce* 0.75 0.5 0.453
*lab*ncE* 0.0 0.5 j81g

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* 56.71 −0.23 2.14
*LAB*LABa* 56.71 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** 0.25 0.75 0.25 (1.0)
*cmyn3** 0.75 0.25 0.75 (0.0)
*olvi4** 0.5 1.0 0.5 0.75
*cmyn4** 0.5 0.0 0.5 0.25
***standard and adapted* CIELAB**
*LAB*LAB* 53.8 −31.57 19.42
*LAB*LABa* 53.8 −31.39 17.47
*LAB*TCHa* 50.0 35.94 150.91
relative **CIELAB *lab****
*lab*lab* 0.462 −0.436 0.243
*lab*tch* 0.5 0.5 0.419
*lab*nch* 0.25 0.5 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.462 −0.478 0.144
*lab*tce* 0.5 0.5 0.453
*lab*ncE* 0.25 0.5 j81g

relative Inform. Technology (IT)
*olvi3** 0.25 0.75 0.25 (1.0)
*cmyn3** 0.75 0.25 0.75 (0.0)
*olvi4** 0.75 1.0 0.75 0.5
*cmyn4** 0.25 0.0 0.25 0.5
***standard and adapted* CIELAB**
*LAB*LAB* 45.58 −15.72 10.13
*LAB*LABa* 45.58 −15.69 8.74
*LAB*TCHa* 37.5 17.97 150.91
relative **CIELAB *lab****
*lab*lab* 0.356 −0.217 0.122
*lab*tch* 0.375 0.25 0.419
*lab*nch* 0.5 0.25 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.356 −0.238 0.072
*lab*tce* 0.375 0.25 0.453
*lab*ncE* 0.5 0.25 j81g

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* 34.46 −31.2 18.11
*LAB*LABa* 34.46 −31.38 17.47
*LAB*TCHa* 25.01 35.93 150.91
relative **CIELAB *lab****
*lab*lab* 0.213 −0.436 0.243
*lab*tch* 0.25 0.5 0.419
*lab*nch* 0.5 0.5 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.213 −0.478 0.144
*lab*tce* 0.25 0.5 0.453
*lab*ncE* 0.5 0.5 j81g

relative Inform. Technology (IT)
*olvi3** 0.0 0.25 0.0 (1.0)
*cmyn3** 1.0 0.75 1.0 (0.0)
*olvi4** 0.75 1.0 0.75 0.25
*cmyn4** 0.25 0.0 0.25 0.75
***standard and adapted* CIELAB**
*LAB*LAB* 26.24 −15.34 8.82
*LAB*LABa* 26.24 −15.68 8.73
*LAB*TCHa* 12.5 17.96 150.91
relative **CIELAB *lab****
*lab*lab* 0.106 −0.217 0.122
*lab*tch* 0.125 0.25 0.419
*lab*nch* 0.75 0.25 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.106 −0.238 0.072
*lab*tce* 0.125 0.25 0.453
*lab*ncE* 0.75 0.25 j81g

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* 62.02 −47.43 28.71
*LAB*LABa* 62.02 −47.09 26.21
*LAB*TCHa* 62.5 53.9 150.91
relative **CIELAB *lab****
*lab*lab* 0.569 −0.654 0.365
*lab*tch* 0.625 0.75 0.419
*lab*nch* 0.0 0.75 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.569 −0.717 0.217
*lab*tce* 0.625 0.75 0.453
*lab*ncE* 0.0 0.75 j81g

relative Inform. Technology (IT)
*olvi3** 0.0 0.75 0.0 (1.0)
*cmyn3** 1.0 0.25 1.0 (0.0)
*olvi4** 0.25 1.0 0.25 0.75
*cmyn4** 0.75 0.0 0.75 0.25
***standard and adapted* CIELAB**
*LAB*LAB* 42.68 −47.06 27.41
*LAB*LABa* 42.68 −47.09 26.21
*LAB*TCHa* 37.51 53.9 150.91
relative **CIELAB *lab****
*lab*lab* 0.319 −0.654 0.365
*lab*tch* 0.375 0.75 0.419
*lab*nch* 0.25 0.75 0.419
relative **Natural Colour (NC)**
*lab*lrj* 0.319 −0.717 0.217
*lab*tce* 0.375 0.75 0.453
*lab*ncE* 0.25 0.75 j81g

UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntton output: *olv* setrgbcolor / w* setgray*

Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

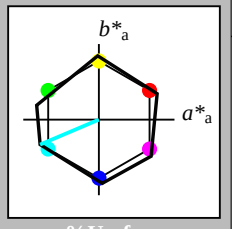
BAM-Registrierung: 20060101-UG57/10Q/Q57G03FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/UG57/ Form: 4/10, Serie: 1/1, Seite: 4 Sektenz hung 4

Eingabe: Farbmetrisches 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
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
u^*_{rel} = 119

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

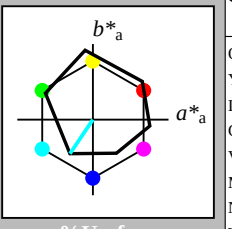
%Regularität
$g^*_{H,rel}$ = 47
$g^*_{C,rel}$ = 100

Ausgabe: Farbmetrisches 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
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*

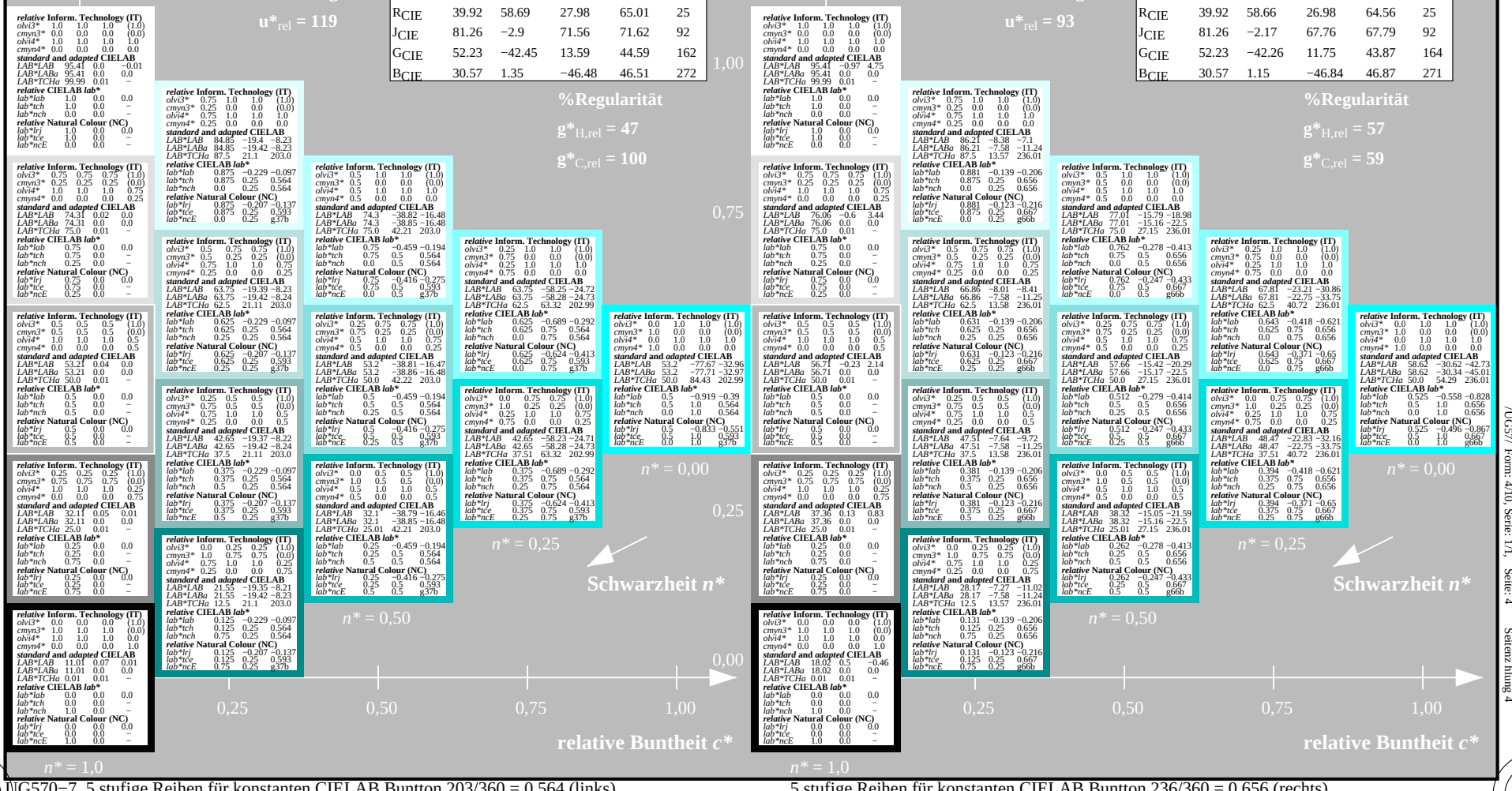


%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

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



UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntton output: *olv* setrgbcolor / w* setgray*

BAM-Registrierung: 20060101-UG57/10Q/Q57G04FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/UG57/ Form: 5/10, Serie: 1/1, Seite: 5 Sattenz hung 5

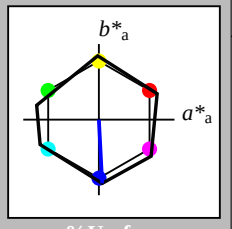
Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

Eingabe: Farbmetrisches 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
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−11.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

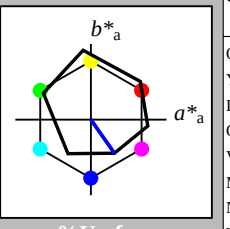
%Regularität
$g^*_{H,rel} = 47$
$g^*_{C,rel} = 100$

Ausgabe: Farbmetrisches 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
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*

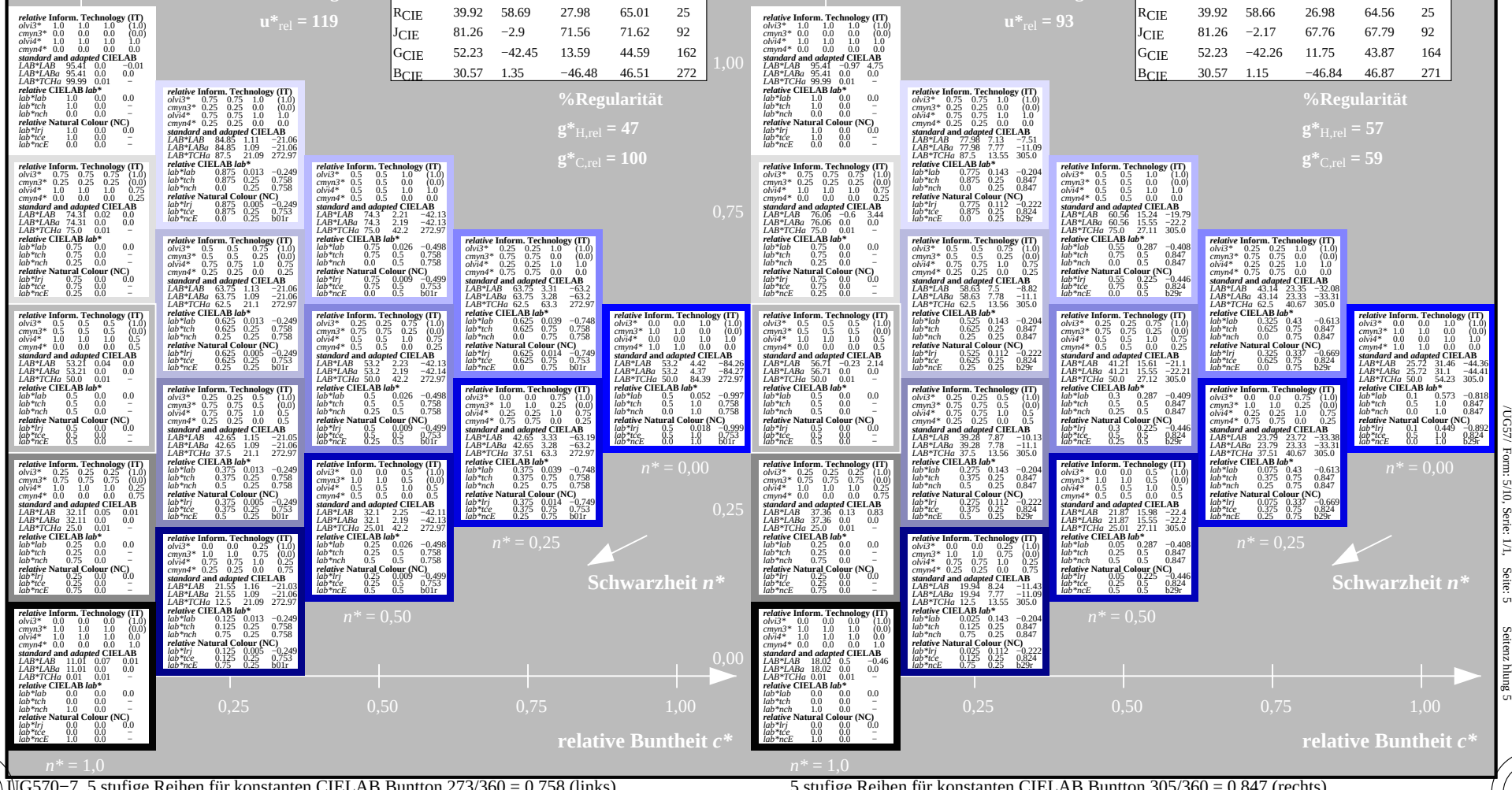


%Umfang
$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

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



UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttöne output: *olv* setrgbcolor / w* setgray*

www.ps.bam.de/UG57/10Q/Q57G05FP.PS/.PDF; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) UG57/10Q/Q57G05FP.DAT in der Datei (F)

Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

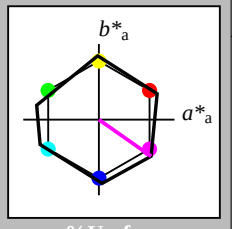
BAM-Registrierung: 20060101-UG57/10Q/Q57G05FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/UG57/ Form: 6/10, Serie: 1/1, Seite: 6 Sektenz hung 6

Eingabe: Farbmetrisches Reflexions-System NRS11

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

D65: Buntton B50R
LCH*Ma: 53 84 325
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

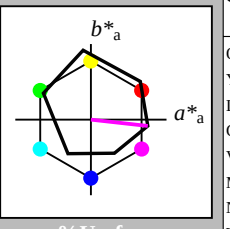
%Regularität
$g^*_{H,rel} = 47$
$g^*_{C,rel} = 100$

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*

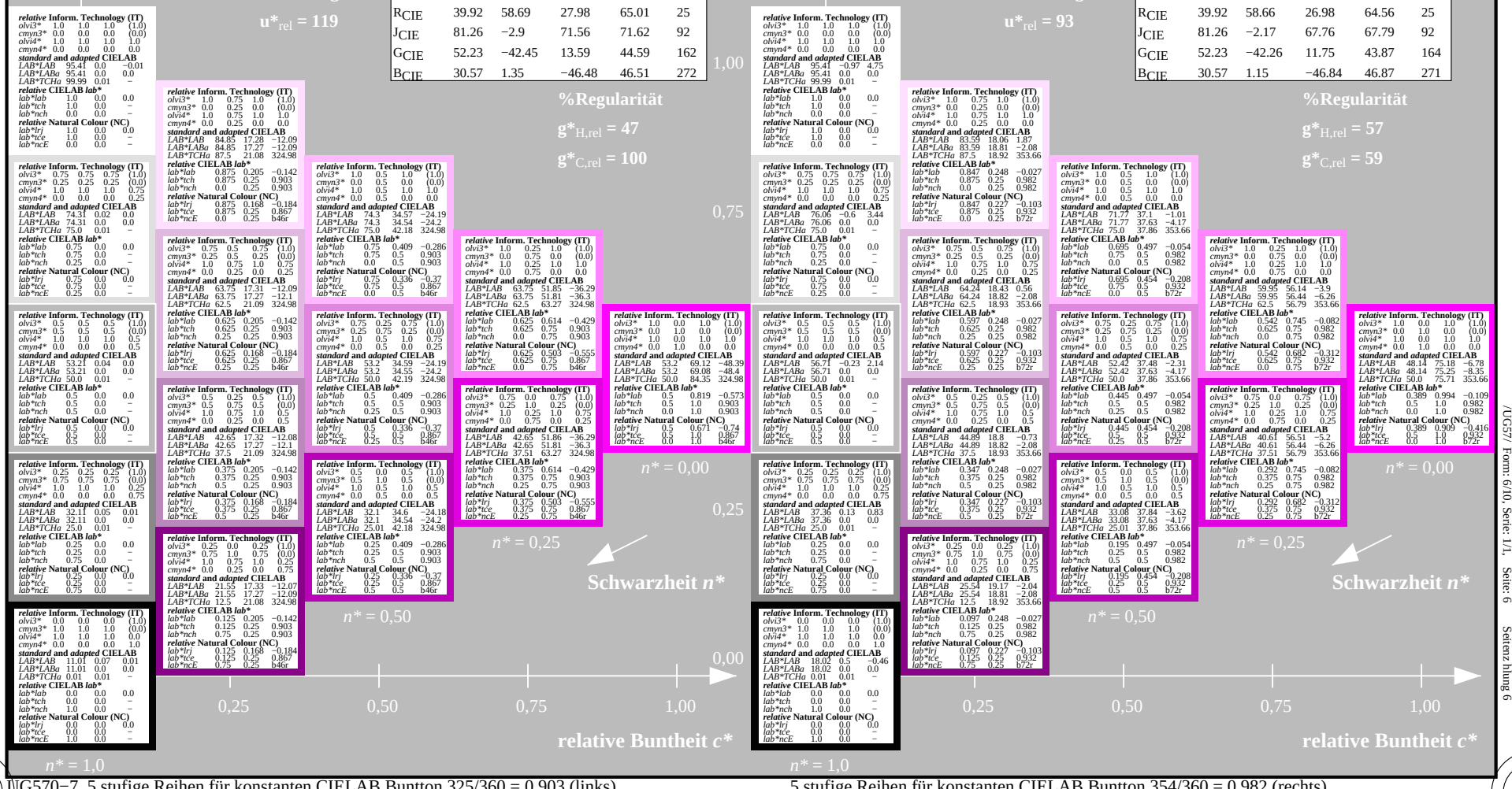


%Umfang
$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

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



UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)
5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttöne output: *olv* setrgbcolor / w* setgray*

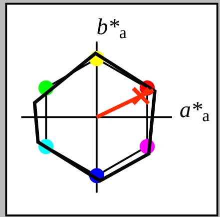
Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton *h* = lab*h = 25/360 = 0.071*
lab*tch* und *lab*nch

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

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 119

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

%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* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative* CIELAB *lab
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
***relative* Natural Colour (NC)**
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 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* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
***standard* and *adapted* CIELAB**
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative* CIELAB *lab
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
***relative* Natural Colour (NC)**
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 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 0.757 0.75 (1.0)
cmyn3* 0.0 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 1.0
cmyn4* 0.0 0.243 0.25 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 84.85 18.73 8.92
LAB*LABa 84.85 18.72 8.92
LAB*TCHa 87.5 20.73 25.49
relative* CIELAB *lab
lab*lab 0.875 0.226 0.108
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
***relative* Natural Colour (NC)**
lab*lrj 0.875 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*ncE 0.0 0.25 r00j

***relative* Inform. Technology (IT)**
olvi3* 0.75 0.507 0.5 (1.0)
cmyn3* 0.25 0.493 0.5 (0.0)
olvi4* 1.0 0.757 0.75 0.75
cmyn4* 0.0 0.243 0.25 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 63.75 18.76 8.93
LAB*LABa 63.75 18.72 8.93
LAB*TCHa 62.5 20.74 25.49
relative* CIELAB *lab
lab*lab 0.625 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
***relative* Natural Colour (NC)**
lab*lrj 0.625 0.25 0.0
lab*tce 0.625 0.25 1.0
lab*ncE 0.25 0.25 b99r

***relative* Inform. Technology (IT)**
olvi3* 0.5 0.257 0.25 (1.0)
cmyn3* 0.5 0.743 0.75 (0.0)
olvi4* 1.0 0.757 0.75 0.5
cmyn4* 0.0 0.243 0.25 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 42.65 18.77 8.94
LAB*LABa 42.65 18.72 8.93
LAB*TCHa 37.5 20.74 25.49
relative* CIELAB *lab
lab*lab 0.375 0.226 0.108
lab*tch 0.375 0.25 0.071
lab*nch 0.5 0.25 0.071
***relative* Natural Colour (NC)**
lab*lrj 0.375 0.25 0.0
lab*tce 0.375 0.25 1.0
lab*ncE 0.5 0.25 b99r

***relative* Inform. Technology (IT)**
olvi3* 0.25 0.007 0.0 (1.0)
cmyn3* 0.75 0.993 1.0 (0.0)
olvi4* 1.0 0.757 0.75 0.25
cmyn4* 0.0 0.243 0.25 0.75
***standard* and *adapted* CIELAB**
LAB*LAB 21.55 18.79 8.94
LAB*LABa 21.55 18.72 8.92
LAB*TCHa 12.5 20.74 25.47
relative* CIELAB *lab
lab*lab 0.125 0.226 0.107
lab*tch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
***relative* Natural Colour (NC)**
lab*lrj 0.125 0.25 0.0
lab*tce 0.125 0.25 1.0
lab*ncE 0.75 0.25 b99r

***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*TCHa 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 r00j

***relative* Inform. Technology (IT)**
olvi3* 0.75 0.264 0.25 (1.0)
cmyn3* 0.25 0.736 0.75 (0.0)
olvi4* 1.0 0.514 0.5 0.75
cmyn4* 0.0 0.486 0.5 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 53.2 37.49 17.86
LAB*LABa 53.2 37.45 17.85
LAB*TCHa 50.0 41.48 25.49
relative* CIELAB *lab
lab*lab 0.5 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.25 0.5 0.071
***relative* Natural Colour (NC)**
lab*lrj 0.5 0.5 0.0
lab*tce 0.5 0.5 1.0
lab*ncE 0.25 0.5 b99r

***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*TCHa 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 b99r

***relative* Inform. Technology (IT)**
olvi3* 1.0 0.271 0.25 (1.0)
cmyn3* 0.0 0.729 0.75 (0.0)
olvi4* 1.0 0.271 0.25 1.0
cmyn4* 0.0 0.729 0.75 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 63.75 56.2 26.78
LAB*LABa 63.75 56.16 26.77
LAB*TCHa 62.5 62.22 25.49
relative* CIELAB *lab
lab*lab 0.625 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
***relative* Natural Colour (NC)**
lab*lrj 0.625 0.75 0.0
lab*tce 0.625 0.75 0.0
lab*ncE 0.0 0.75 r00j

***relative* Inform. Technology (IT)**
olvi3* 0.75 0.021 0.0 (1.0)
cmyn3* 0.25 0.979 1.0 (0.0)
olvi4* 1.0 0.271 0.25 0.75
cmyn4* 0.0 0.729 0.75 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 42.65 56.22 26.78
LAB*LABa 42.65 56.17 26.77
LAB*TCHa 37.51 62.22 25.48
relative* CIELAB *lab
lab*lab 0.375 0.677 0.323
lab*tch 0.375 0.75 0.071
lab*nch 0.25 0.75 0.071
***relative* Natural Colour (NC)**
lab*lrj 0.375 0.75 0.0
lab*tce 0.375 0.75 1.0
lab*ncE 0.25 0.75 b99r

***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*TCHa 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 b99r

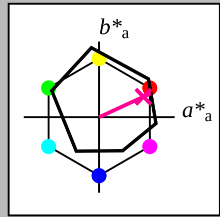
1,00 0,75 0,25 0,00
*n** = 0,00 *n** = 0,25 *n** = 0,50 *n** = 1,0
Schwarzheit *n*
0,25 0,50 0,75 1,00
relative Buntheit *c*

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 25/360 = 0.069*
lab*tch* und *lab*nch

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

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 93

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

%Regularität
g*H,rel = 57
g*C,rel = 59

***relative* Inform. Technology (IT)**
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 95.41 −0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*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* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 76.06 −0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative* CIELAB *lab
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
***relative* Natural Colour (NC)**
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 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 56.71 −0.23 2.14
LAB*LABa 56.71 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* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
***standard* and *adapted* CIELAB**
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative* CIELAB *lab
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
***relative* Natural Colour (NC)**
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 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 18.02 0.5 −0.46
LAB*LABa 18.02 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 0.75 0.831 (1.0)
cmyn3* 0.0 0.25 0.169 (0.0)
olvi4* 1.0 0.75 0.831 1.0
cmyn4* 0.0 0.25 0.169 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 83.55 16.38 11.84
LAB*LABa 83.55 17.13 7.88
LAB*TCHa 87.5 18.86 24.69
relative* CIELAB *lab
lab*lab 0.847 0.227 0.104
lab*tch 0.875 0.25 0.069
lab*nch 0.0 0.25 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.847 0.25 0.0
lab*tce 0.875 0.25 1.0
lab*ncE 0.0 0.25 b99r

***relative* Inform. Technology (IT)**
olvi3* 0.75 0.5 0.581 (1.0)
cmyn3* 0.25 0.5 0.419 (0.0)
olvi4* 1.0 0.75 0.831 0.75
cmyn4* 0.0 0.25 0.169 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 64.21 16.76 10.54
LAB*LABa 64.21 17.14 7.88
LAB*TCHa 62.5 18.87 24.7
relative* CIELAB *lab
lab*lab 0.597 0.227 0.104
lab*tch 0.625 0.25 0.069
lab*nch 0.25 0.25 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.597 0.25 0.0
lab*tce 0.625 0.25 1.0
lab*ncE 0.25 0.25 b99r

***relative* Inform. Technology (IT)**
olvi3* 0.5 0.25 0.331 (1.0)
cmyn3* 0.5 0.75 0.669 (0.0)
olvi4* 1.0 0.75 0.831 0.5
cmyn4* 0.0 0.25 0.169 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 44.86 17.13 9.23
LAB*LABa 44.86 17.14 7.88
LAB*TCHa 37.5 18.87 24.7
relative* CIELAB *lab
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.5 0.25 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.347 0.25 0.0
lab*tce 0.375 0.25 1.0
lab*ncE 0.5 0.25 b99r

***relative* Inform. Technology (IT)**
olvi3* 0.25 0.0 0.081 (1.0)
cmyn3* 0.75 1.0 0.919 (0.0)
olvi4* 1.0 0.75 0.831 0.25
cmyn4* 0.0 0.25 0.169 0.75
***standard* and *adapted* CIELAB**
LAB*LAB 25.51 17.49 7.93
LAB*LABa 25.51 17.13 7.88
LAB*TCHa 12.5 18.86 24.71
relative* CIELAB *lab
lab*lab 0.097 0.227 0.104
lab*tch 0.125 0.25 0.069
lab*nch 0.75 0.25 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.097 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*ncE 0.75 0.25 r00j

***relative* Inform. Technology (IT)**
olvi3* 1.0 0.5 0.661 (1.0)
cmyn3* 0.0 0.5 0.339 (0.0)
olvi4* 1.0 0.5 0.661 1.0
cmyn4* 0.0 0.5 0.339 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 71.7 33.75 18.92
LAB*LABa 71.7 34.27 15.76
LAB*TCHa 75.0 37.72 24.69
relative* CIELAB *lab
lab*lab 0.694 0.454 0.209
lab*tch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.694 0.5 0.0
lab*tce 0.75 0.5 1.0
lab*ncE 0.0 0.5 b99r

***relative* Inform. Technology (IT)**
olvi3* 0.75 0.25 0.411 (1.0)
cmyn3* 0.25 0.75 0.589 (0.0)
olvi4* 1.0 0.5 0.661 0.75
cmyn4* 0.0 0.5 0.339 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 52.36 34.13 17.62
LAB*LABa 52.36 34.28 15.77
LAB*TCHa 50.0 37.73 24.7
relative* CIELAB *lab
lab*lab 0.444 0.454 0.209
lab*tch 0.5 0.5 0.069
lab*nch 0.25 0.5 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.444 0.5 0.0
lab*tce 0.5 0.5 1.0
lab*ncE 0.25 0.5 b100r

***relative* Inform. Technology (IT)**
olvi3* 0.5 0.0 0.161 (1.0)
cmyn3* 0.5 1.0 0.839 (0.0)
olvi4* 1.0 0.5 0.661 0.5
cmyn4* 0.0 0.5 0.339 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 33.01 34.49 16.31
LAB*LABa 33.01 34.27 15.77
LAB*TCHa 25.01 37.73 24.7
relative* CIELAB *lab
lab*lab 0.194 0.454 0.209
lab*tch 0.25 0.5 0.069
lab*nch 0.5 0.5 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.194 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*ncE 0.5 0.5 r00j

***relative* Inform. Technology (IT)**
olvi3* 1.0 0.25 0.492 (1.0)
cmyn3* 0.0 0.75 0.508 (0.0)
olvi4* 1.0 0.25 0.492 1.0
cmyn4* 0.0 0.75 0.508 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 59.85 51.12 26.0
LAB*LABa 59.85 51.42 23.64
LAB*TCHa 62.5 56.59 24.7
relative* CIELAB *lab
lab*lab 0.541 0.681 0.313
lab*tch 0.625 0.75 0.069
lab*nch 0.0 0.75 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.541 0.75 0.0
lab*tce 0.625 0.75 1.0
lab*ncE 0.0 0.75 b99r

***relative* Inform. Technology (IT)**
olvi3* 0.75 0.0 0.242 (1.0)
cmyn3* 0.25 1.0 0.758 (0.0)
olvi4* 1.0 0.25 0.492 0.75
cmyn4* 0.0 0.75 0.508 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 40.51 51.49 24.7
LAB*LABa 40.51 51.41 23.65
LAB*TCHa 37.51 56.59 24.7
relative* CIELAB *lab
lab*lab 0.291 0.681 0.313
lab*tch 0.375 0.75 0.069
lab*nch 0.25 0.75 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.291 0.75 0.0
lab*tce 0.375 0.75 0.0
lab*ncE 0.25 0.75 r00j

***relative* Inform. Technology (IT)**
olvi3* 1.0 0.0 0.322 (1.0)
cmyn3* 0.0 1.0 0.678 (0.0)
olvi4* 1.0 0.0 0.323 1.0
cmyn4* 0.0 1.0 0.677 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 48.01 68.48 33.09
LAB*LABa 48.01 68.55 31.53
LAB*TCHa 50.0 75.45 24.7
relative* CIELAB *lab
lab*lab 0.388 0.908 0.418
lab*tch 0.5 1.0 0.069
lab*nch 0.0 1.0 0.069
***relative* Natural Colour (NC)**
lab*lrj 0.388 1.0 0.0
lab*tce 0.5 1.0 0.0
lab*ncE 0.0 1.0 r00j

*n** = 0,00 *n** = 0,25 *n** = 0,50 *n** = 1,0
Schwarzheit *n*
0,25 0,50 0,75 1,00
relative Buntheit *c*

UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)
5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttöne output: *olv* setrgbcolor / w* setgray*

BAM-Registrierung: 20060101-UG57/10Q/Q57G06FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ

www.ps.bam.de/UG57/10Q/Q57G07FP.PS/.PDF; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) UG57/10Q/Q57G07FP.DAT in der Datei (F)

Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

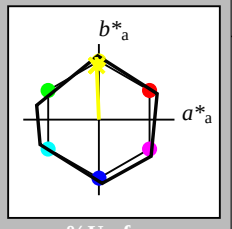
BAM-Registrierung: 20060101-UG57/10Q/Q57G07FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/UG57/ Form: 8/10, Serie: 1/1, Seite: 8 Sektenz hung 8

Eingabe: Farbmetrisches 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
rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

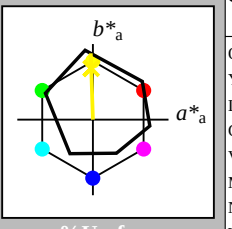
%Regularität
$g^*_{H,rel} = 47$
$g^*_{C,rel} = 100$

Ausgabe: Farbmetrisches 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
rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*

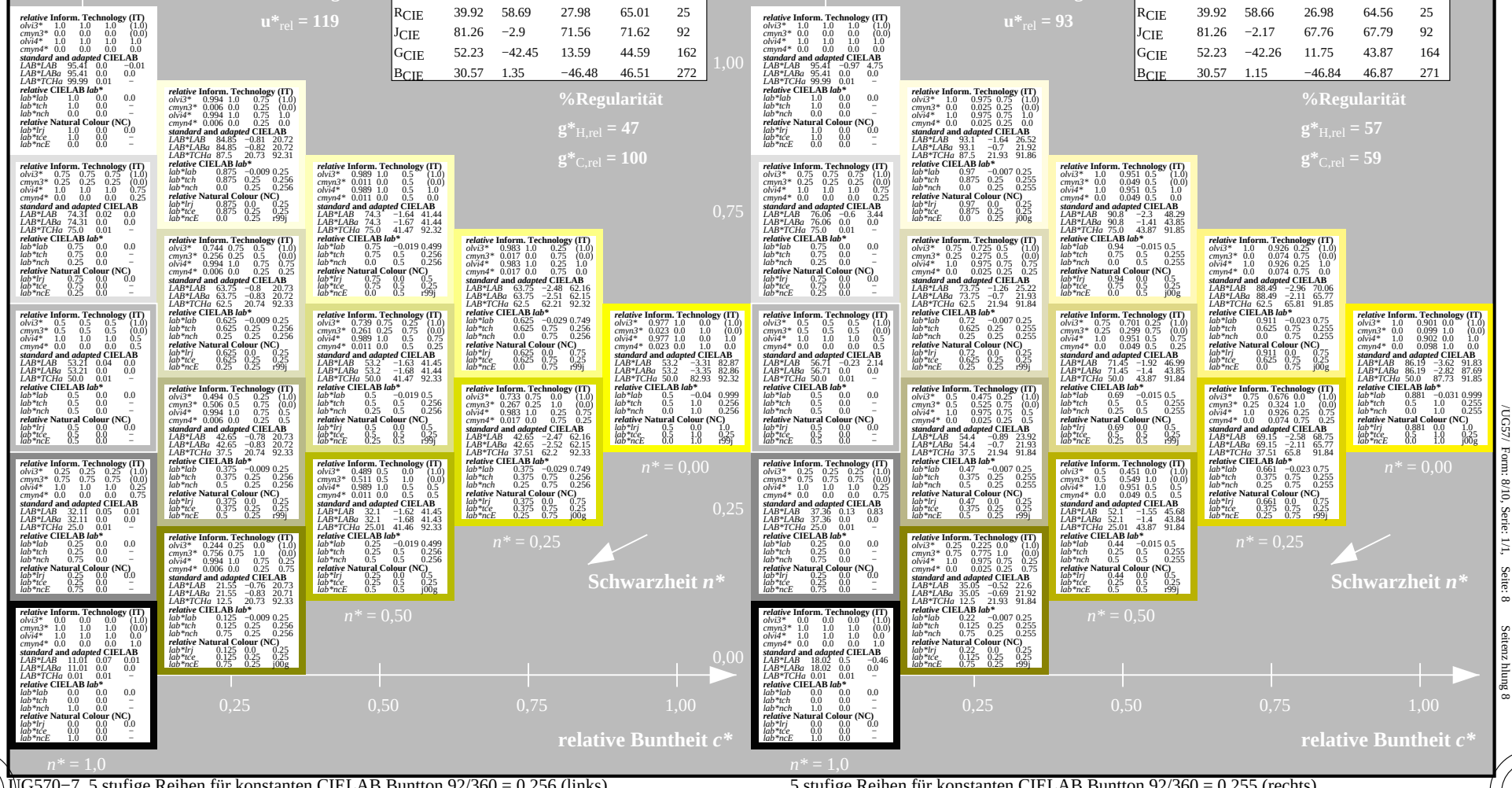


%Umfang
$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

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



UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)
5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntton output: *olv* setrgbcolor / w* setgray*

Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

Eingabe: Farbmetrisches Reflexions-System NRS11

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

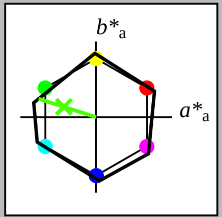
lab*tch* und *lab*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*



NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

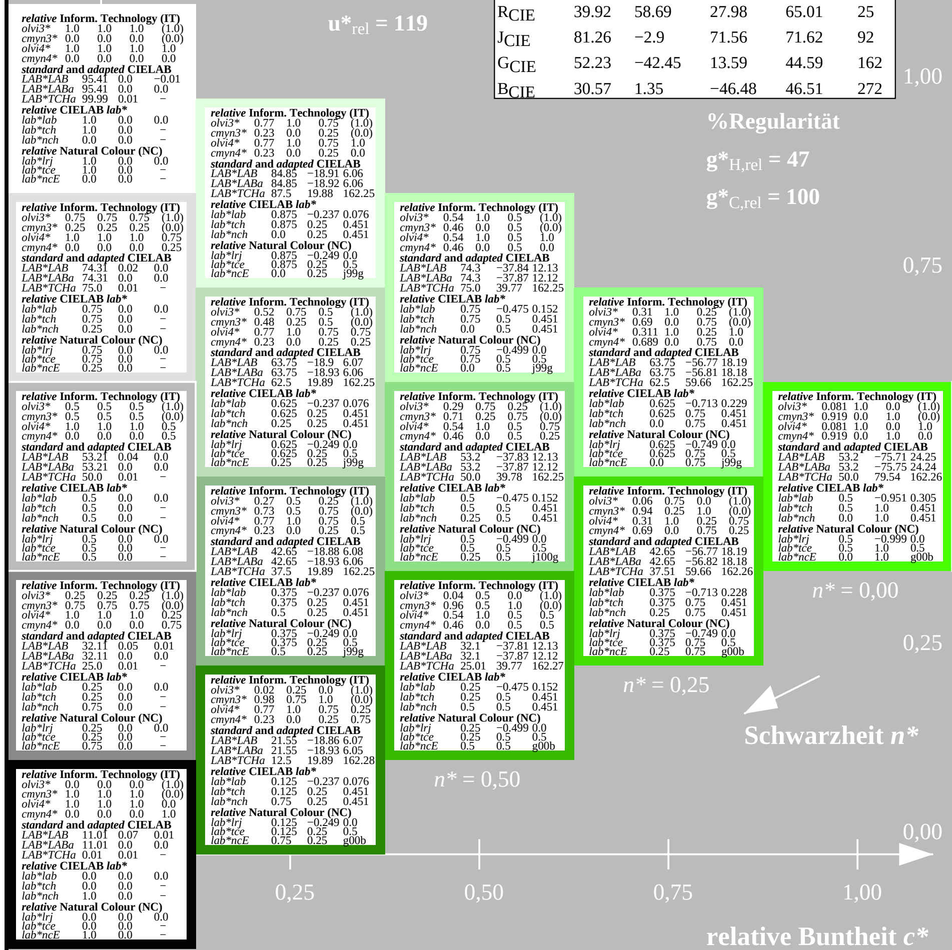
%Umfang

$u^*_{rel} = 119$

%Regularität

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

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



Ausgabe: Farbmetrisches Reflexions-System ORS18

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

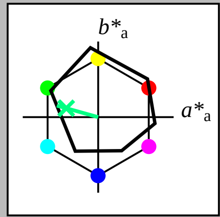
lab*tch* und *lab*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

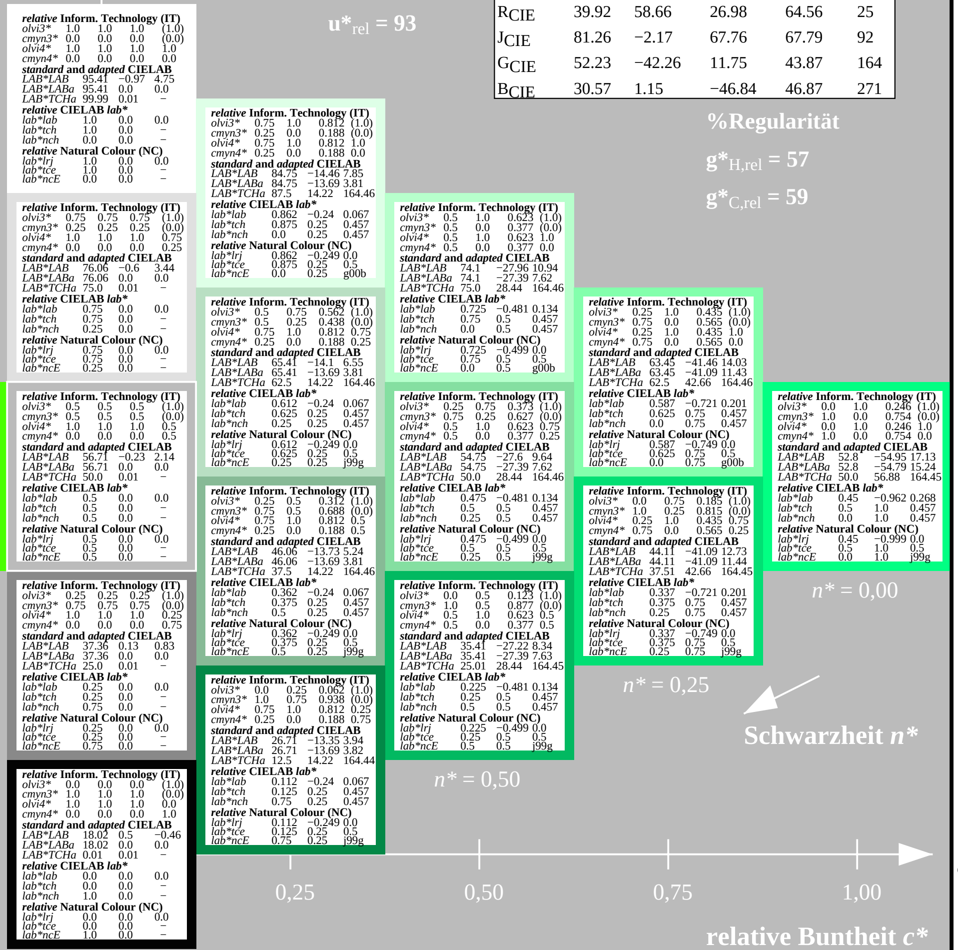
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



BAM-Registrierung: 20060101-UG57/10Q/Q57G08FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen, Yr=2.5, XYZ

/UG57/ Form: 9/10, Serie: 1/1, Seite: 9 Seitenzählung 9

UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)   5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

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

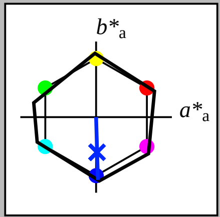
lab*tch* und *lab*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit *t*



%Umfang

u^*_{rel} = 119

NRS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

%Regularität

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

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

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

Schwarzheit *n*

0,25 0,50 0,75 1,00

relative Buntheit *c*

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

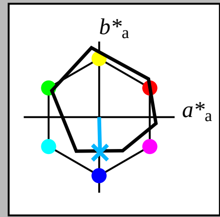
lab*tch* und *lab*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit *t*



%Umfang

u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

%Regularität

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

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

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

Schwarzheit *n*

0,25 0,50 0,75 1,00

relative Buntheit *c*

UG570−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Siehe ähnliche Dateien: http://www.ps.bam.de/UG57/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG57/10Q/Q57G09FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen, Yr=2,5, XYZ

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttöne output: *olv* setrgbcolor / w* setgray*