Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

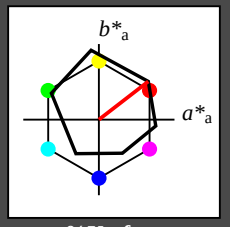
BAM-Registrierung: 20060101-TG52/10S/S52G00FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2,5, XYZ
/TG52/ Form: 1/10, Serie: 1/1, Seite: 1 Sektenz hlung 1

Eingabe: 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

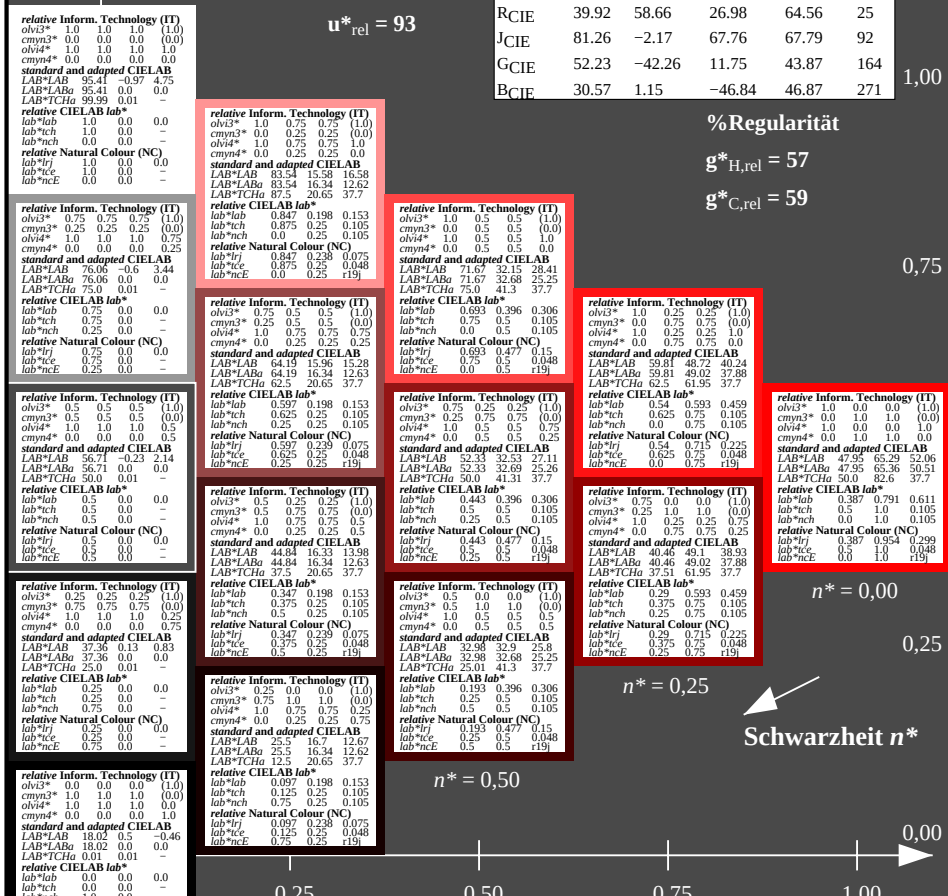
ORS18; adaptierte CIELAB-Daten

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

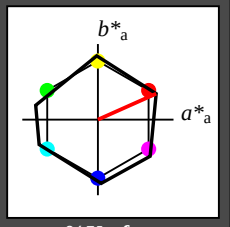


Ausgabe: Farbmetrisches Reflexions-System NRS11

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

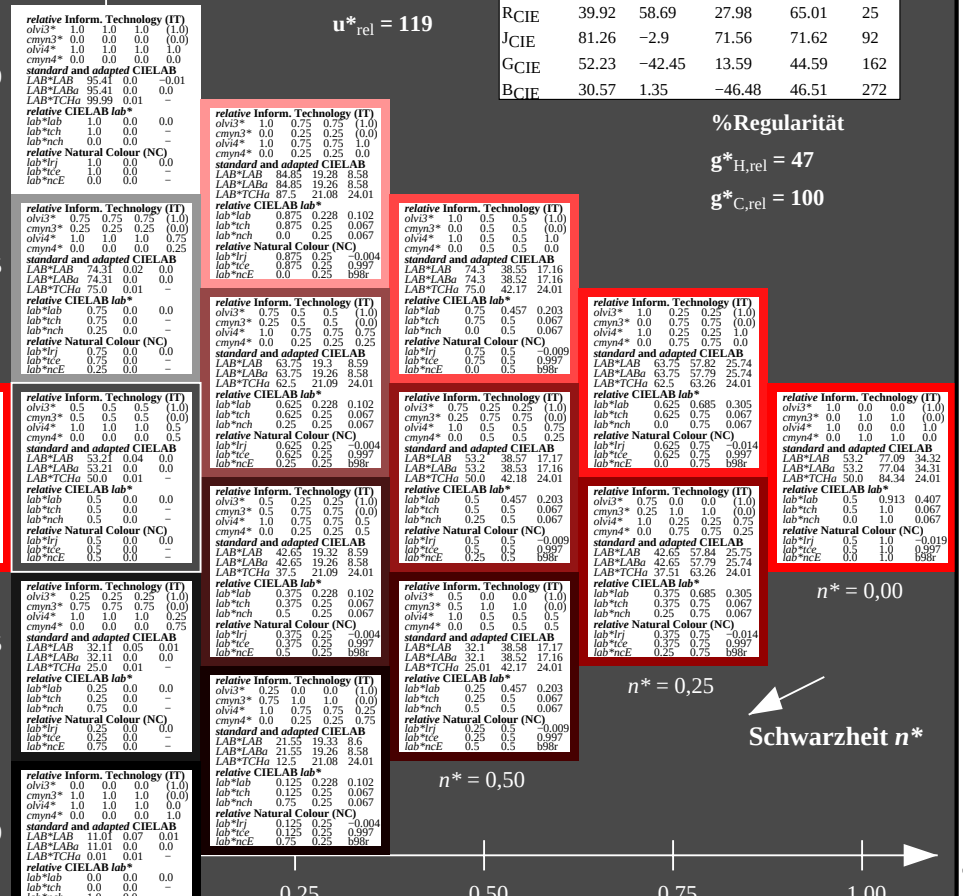
NRS11; adaptierte CIELAB-Daten

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



TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links) 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

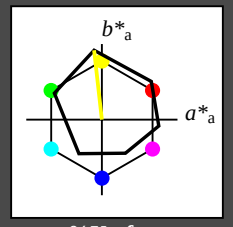
BAM-Registrierung: 20060101-TG52/10S/S52G01FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ

Eingabe: 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

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

Schwarzheit *n**

relative Buntheit *c**

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

1,00 · 0,75 · 0,50 · 0,25 · 0,00

0,25 · 0,50 · 0,75 · 1,00

ORS18; adaptierte CIELAB-Daten

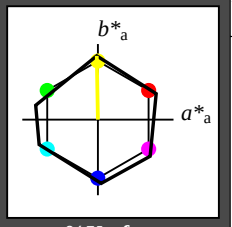
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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

Ausgabe: 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

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

Schwarzheit *n**

relative Buntheit *c**

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

1,00 · 0,75 · 0,50 · 0,25 · 0,00

0,25 · 0,50 · 0,75 · 1,00

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

TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links) — 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

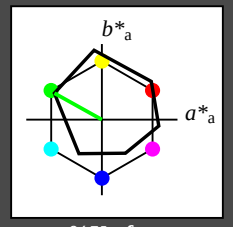
BAM-Registrierung: 20060101-TG52/10S/S52G02FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/TG52/ Form: 3/10, Serie: 1/1, Seite: 3 Sektenz hlung 3

Eingabe: 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

1,00

%Regularität

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

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

0,75

n = 0,00*

0,25

n = 0,25*

Schwarzheit *n**

n = 0,50*

0,00

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

relative Buntheit *c**

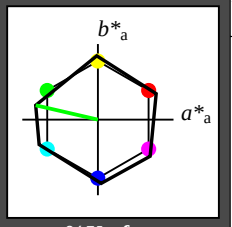
n = 1,0*

Ausgabe: 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

n = 0,00*

n = 0,25*

Schwarzheit *n**

n = 0,50*

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

relative Buntheit *c**

n = 1,0*

TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links) 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

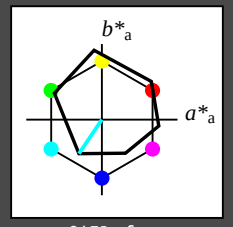
BAM-Registrierung: 20060101-TG52/10S/S52G03FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/TG52/ Form: 4/10, Serie: 1/1, Seite: 4 Sektenz hlung 4

Eingabe: 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

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

ORS18; adaptierte CIELAB-Daten

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

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

n* = 1,0
n* = 0,75
n* = 0,50
n* = 0,25
n* = 0,00

Schwarzheit *n**

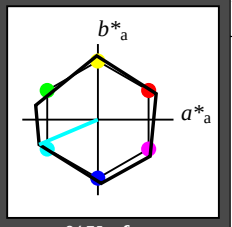
0,25 0,50 0,75 1,00
relative Buntheit *c**

Ausgabe: 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

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

NRS11; adaptierte CIELAB-Daten

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

n* = 1,0
n* = 0,75
n* = 0,50
n* = 0,25
n* = 0,00

Schwarzheit *n**

0,25 0,50 0,75 1,00
relative Buntheit *c**

TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)
5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

BAM-Prüfvorlage TG52; Farbmetrik-Systeme ORS18 & NRS11 input: *olv* setrgbcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**one**input: *olv* setrgbcolor / w* setgray*

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

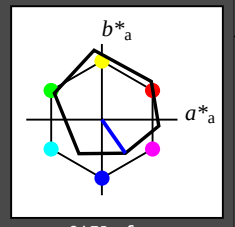
BAM-Registrierung: 20060101-TG52/10S/S52G04FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2,5, XYZ
/TG52/ Form: 5/10, Serie: 1/1, Seite: 5 Sektenz hlung 5

Eingabe: 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

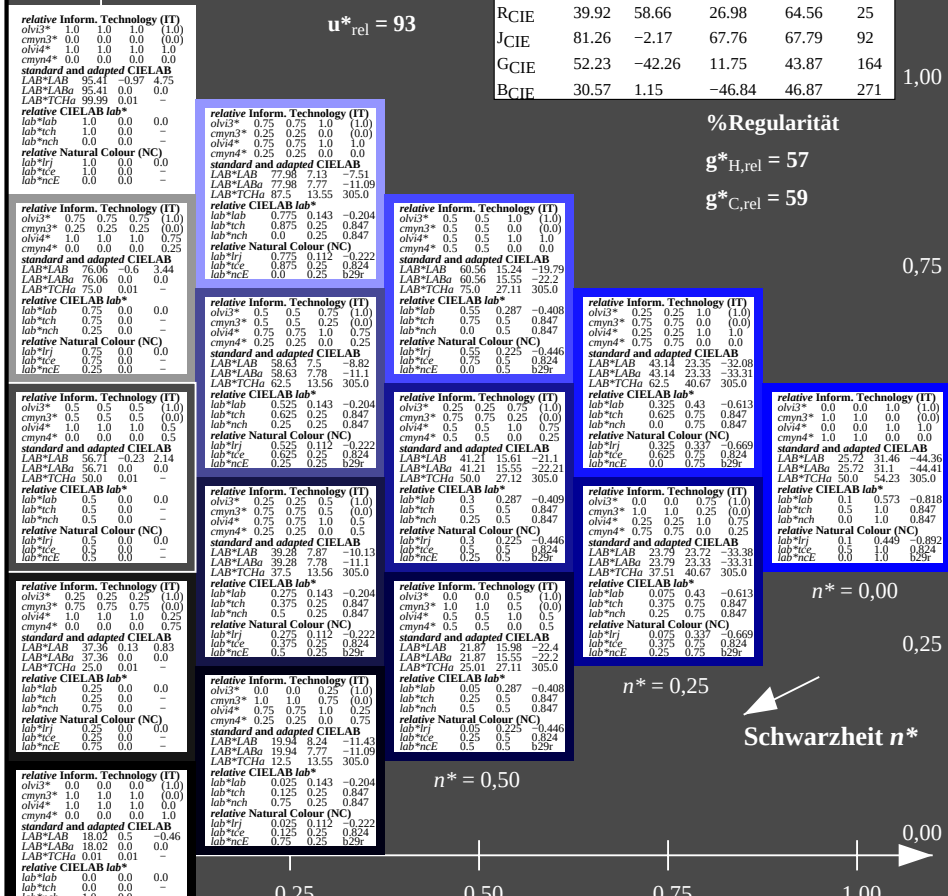
ORS18; adaptierte CIELAB-Daten

	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

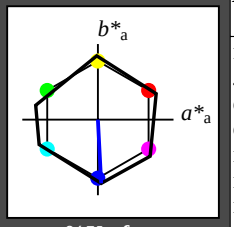


Ausgabe: Farbmetrisches Reflexions-System NRS11

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

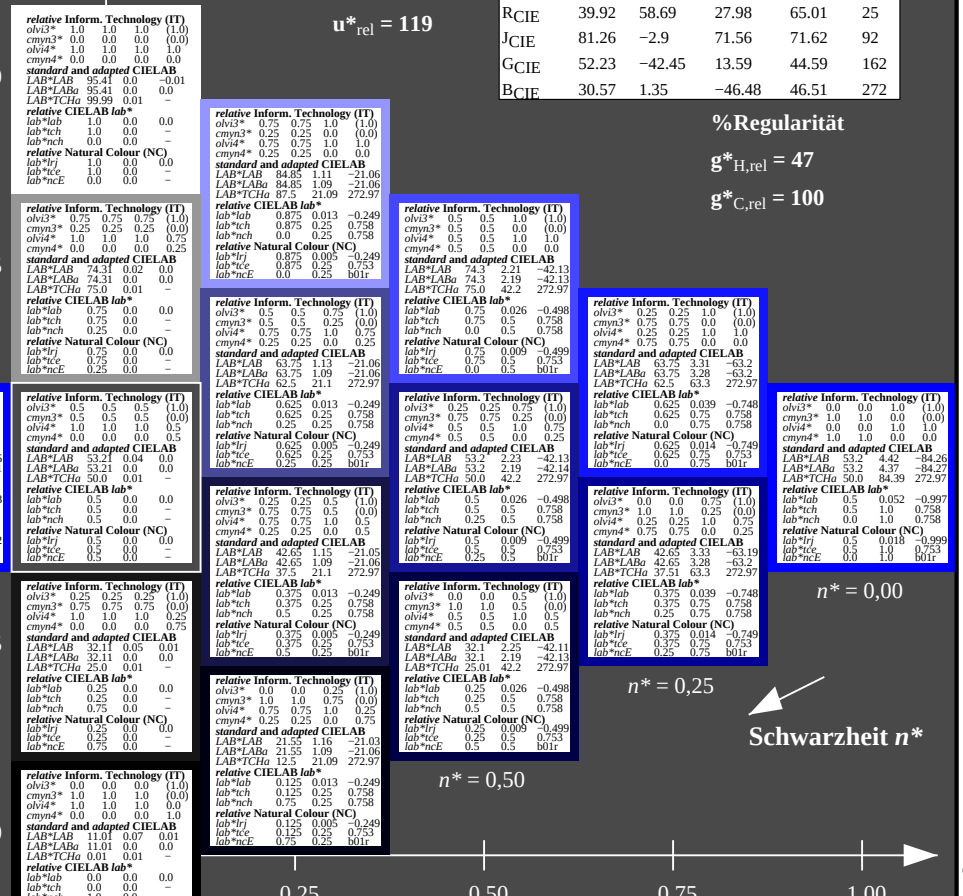
NRS11; adaptierte CIELAB-Daten

	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	−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



TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links) 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

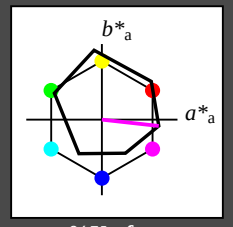
BAM-Registrierung: 20060101-TG52/10S/S52G05FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ

Eingabe: 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

1,00
%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

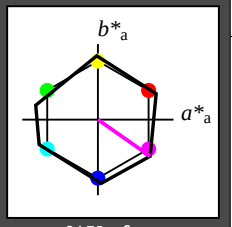
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
Schwarzheit *n**
0,25 0,50 0,75 1,00
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System 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

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**

TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links) 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

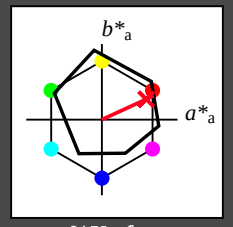
BAM-Registrierung: 20060101-TG52/10S/S52G06FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ

Eingabe: 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

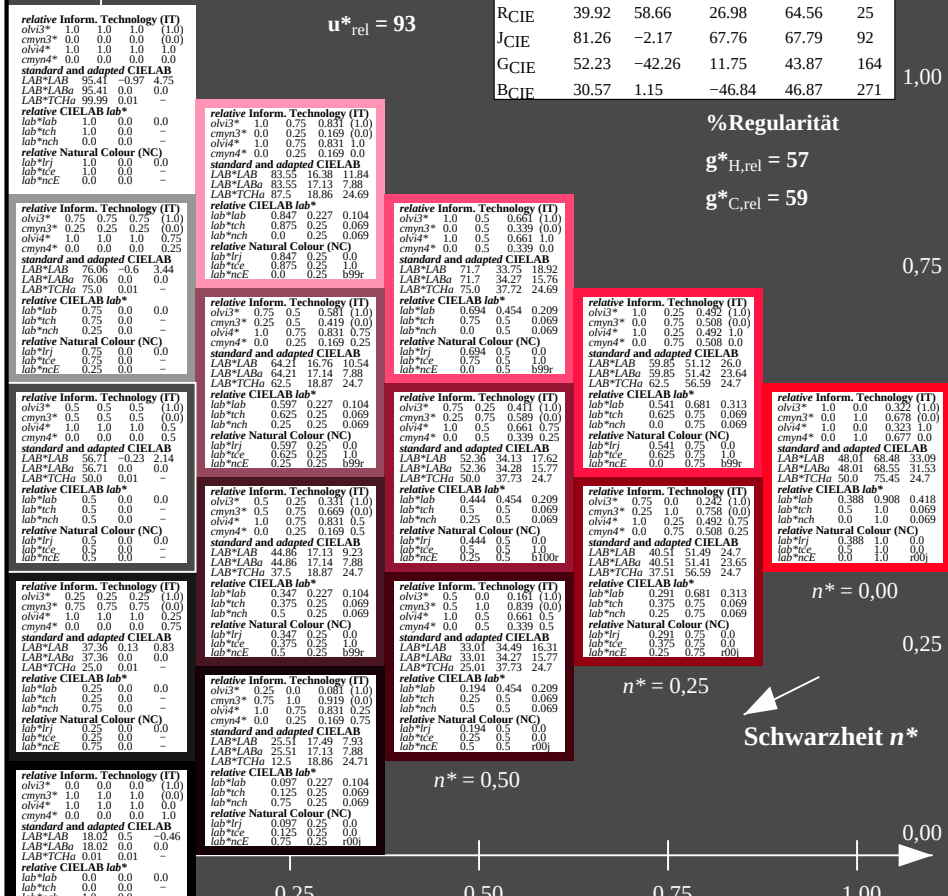
ORS18; adaptierte CIELAB-Daten

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

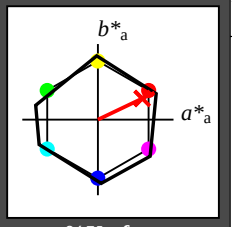


Ausgabe: Farbmetrisches Reflexions-System NRS11

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

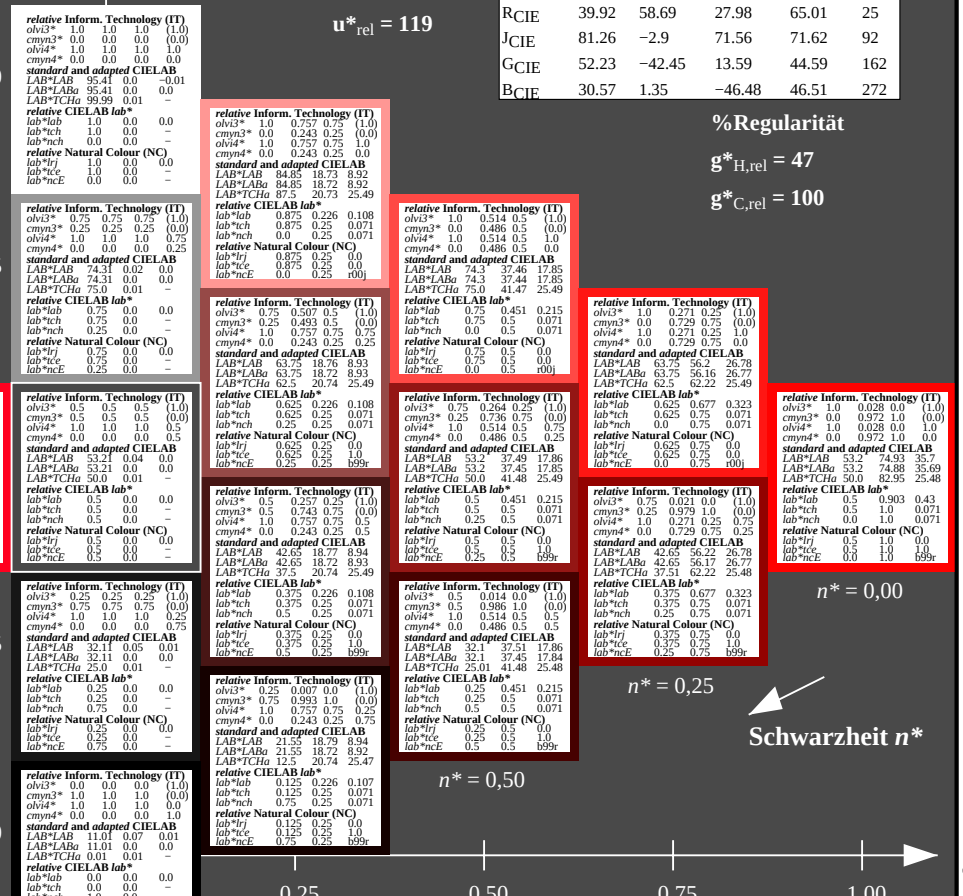
NRS11; adaptierte CIELAB-Daten

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



TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links) 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

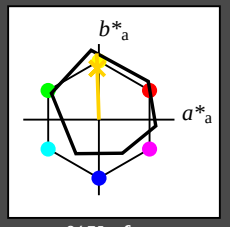
BAM-Registrierung: 20060101-TG52/10S/S52G07FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2,5, XYZ
/TG52/ Form: 8/10, Serie: 1/1, Seite: 8 Sektenz hlung 8

Eingabe: 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

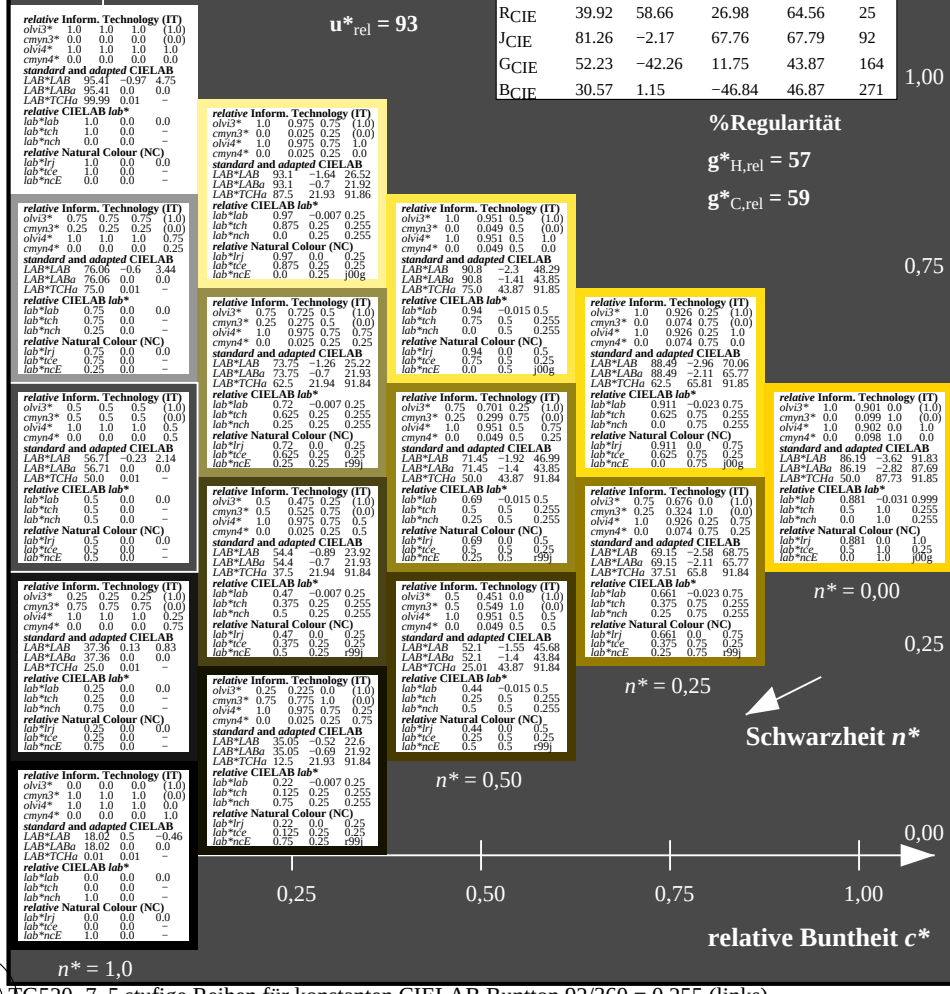
ORS18; adaptierte CIELAB-Daten

	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

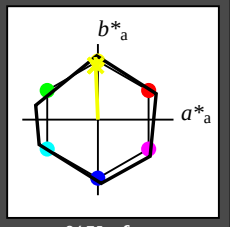


Ausgabe: Farbmetrisches Reflexions-System NRS11

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

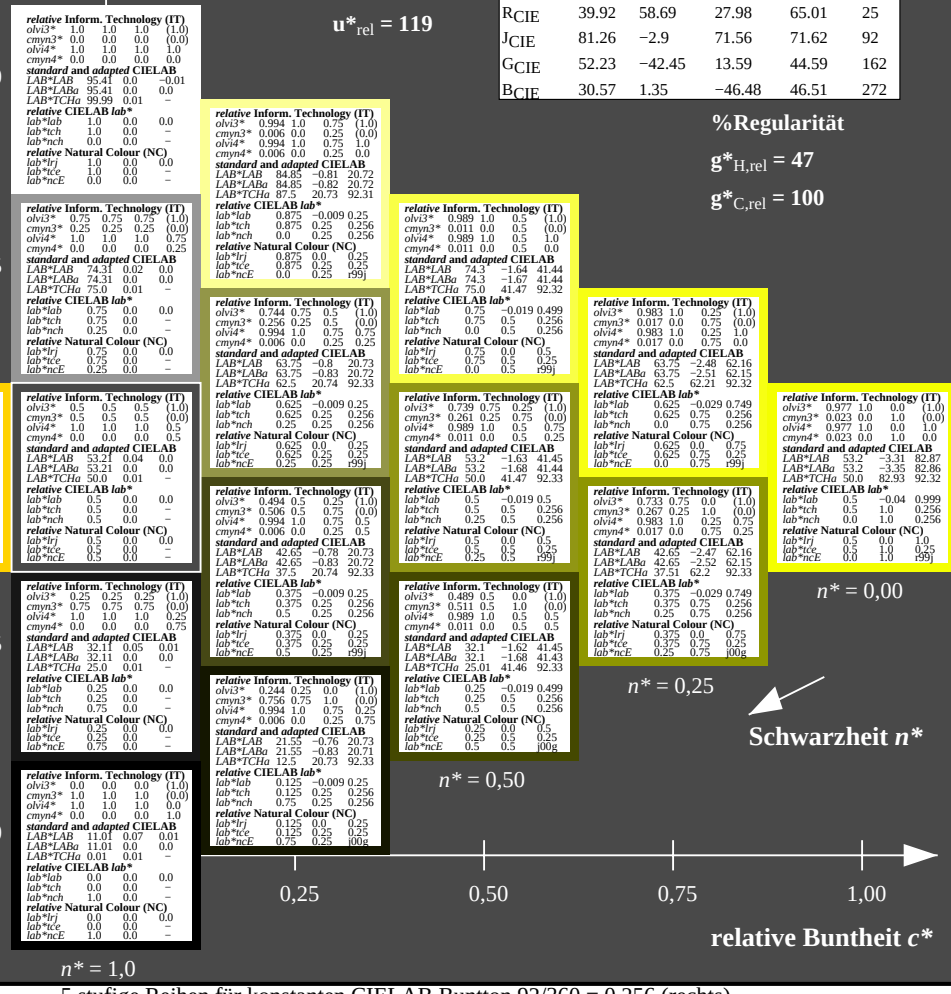
NRS11; adaptierte CIELAB-Daten

	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



TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links) 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

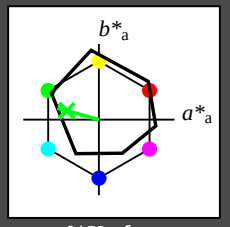
BAM-Registrierung: 20060101-TG52/10S/S52G08FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2,5, XYZ
/TG52/ Form: 9/10, Serie: 1/1, Seite: 9 Sektenz hlung 9

Eingabe: 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**



%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

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

Schwarzheit *n**

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

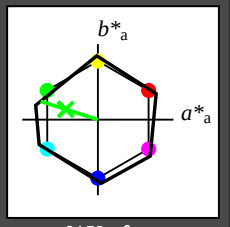
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System 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**



%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

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**

TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links) 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG52/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

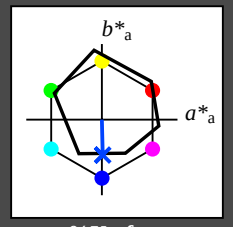
BAM-Registrierung: 20060101-TG52/10S/S52G09FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2,5, XYZ

Eingabe: 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

1,00

%Regularität

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

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

0,75

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 –

n = 1,0*

relative Inform. Technology (IT)
olvi3* 0.75 0.872 1.0 (1.0)
cmyn3* 0.25 0.128 0.0 (0.0)
olvi4* 0.75 0.872 1.0 1.0
cmyn4* 0.25 0.128 0.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 82.0 0.44 −7.31
LAB*LABa 82.0 0.27 −11.17
LAB*TCHa 87.5 11.18 271.39
relative* CIELAB *lab*
lab*lab 0.827 0.006 −0.249
lab*tch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.827 0.0 −0.249
lab*tce 0.875 0.25 0.75
lab*ncE 0.0 0.25 g99b

relative Inform. Technology (IT)
olvi3* 0.5 0.622 0.75 (1.0)
cmyn3* 0.5 0.378 0.25 (0.0)
olvi4* 0.75 0.872 1.0 0.75
cmyn4* 0.25 0.128 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 62.65 −0.07 −8.62
LAB*LABa 62.65 0.27 −11.17
LAB*TCHa 62.5 11.18 271.4
relative* CIELAB *lab*
lab*lab 0.577 0.006 −0.249
lab*tch 0.625 0.25 0.754
lab*nch 0.25 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.577 0.0 −0.249
lab*tce 0.625 0.25 0.75
lab*ncE 0.25 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.25 0.372 0.5 (1.0)
cmyn3* 0.75 0.628 0.5 (0.0)
olvi4* 0.75 0.872 1.0 0.5
cmyn4* 0.25 0.128 0.0 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 43.3 0.27 −9.93
LAB*LABa 43.3 0.27 −11.17
LAB*TCHa 37.5 11.18 271.4
relative* CIELAB *lab*
lab*lab 0.327 0.006 −0.249
lab*tch 0.375 0.25 0.754
lab*nch 0.5 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.327 0.0 −0.249
lab*tce 0.375 0.25 0.75
lab*ncE 0.5 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.0 0.122 0.25 (1.0)
cmyn3* 1.0 0.878 0.75 (0.0)
olvi4* 0.75 0.872 1.0 0.25
cmyn4* 0.25 0.128 0.0 0.75
***standard* and *adapted* CIELAB**
LAB*LAB 23.96 0.67 −11.23
LAB*LABa 23.96 0.28 −11.17
LAB*TCHa 12.5 11.18 271.42
relative* CIELAB *lab*
lab*lab 0.077 0.006 −0.249
lab*tch 0.125 0.25 0.754
lab*nch 0.75 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.077 0.0 −0.249
lab*tce 0.125 0.25 0.75
lab*ncE 0.75 0.25 b00r

n = 0,50*

relative Inform. Technology (IT)
olvi3* 0.5 0.744 1.0 (1.0)
cmyn3* 0.5 0.256 0.0 (0.0)
olvi4* 0.5 0.744 1.0 1.0
cmyn4* 0.5 0.256 0.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 68.59 0.08 −19.4
LAB*LABa 68.59 0.54 −22.35
LAB*TCHa 75.0 22.36 271.4
relative* CIELAB *lab*
lab*lab 0.654 0.012 −0.499
lab*tch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lrj 0.654 0.0 −0.499
lab*tce 0.75 0.5 0.75
lab*ncE 0.0 0.5 g99b

relative Inform. Technology (IT)
olvi3* 0.25 0.494 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 0.75
cmyn4* 0.5 0.256 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 49.25 0.45 −20.71
LAB*LABa 49.25 0.55 −22.35
LAB*TCHa 50.0 22.37 271.4
relative* CIELAB *lab*
lab*lab 0.404 0.012 −0.499
lab*tch 0.5 0.5 0.754
lab*nch 0.25 0.5 0.754
relative Natural Colour (NC)
lab*lrj 0.404 0.0 −0.499
lab*tce 0.5 0.5 0.75
lab*ncE 0.25 0.5 b00r

relative Inform. Technology (IT)
olvi3* 0.0 0.244 0.5 (1.0)
cmyn3* 1.0 0.756 0.5 (0.0)
olvi4* 0.5 0.744 1.0 0.5
cmyn4* 0.5 0.256 0.0 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 29.9 0.83 −22.01
LAB*LABa 29.9 0.55 −22.35
LAB*TCHa 25.01 22.36 271.41
relative* CIELAB *lab*
lab*lab 0.154 0.012 −0.499
lab*tch 0.25 0.5 0.754
lab*nch 0.5 0.5 0.754
relative Natural Colour (NC)
lab*lrj 0.154 0.0 −0.499
lab*tce 0.25 0.5 0.75
lab*ncE 0.5 0.5 b00r

n = 0,25*

relative Inform. Technology (IT)
olvi3* 0.25 0.616 1.0 (1.0)
cmyn3* 0.75 0.384 0.0 (0.0)
olvi4* 0.25 0.616 1.0 1.0
cmyn4* 0.75 0.384 0.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 55.19 0.61 −31.48
LAB*LABa 55.19 0.82 −33.53
LAB*TCHa 62.5 33.55 271.4
relative* CIELAB *lab*
lab*lab 0.48 0.018 −0.749
lab*tch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*lrj 0.48 0.0 −0.749
lab*tce 0.625 0.75 0.75
lab*ncE 0.0 0.75 g99b

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 0.75
cmyn4* 0.75 0.384 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 35.84 0.99 −32.79
LAB*LABa 35.84 0.82 −33.53
LAB*TCHa 37.51 33.55 271.41
relative* CIELAB *lab*
lab*lab 0.23 0.018 −0.749
lab*tch 0.375 0.75 0.754
lab*nch 0.375 0.75 0.754
relative Natural Colour (NC)
lab*lrj 0.23 0.0 −0.749
lab*tce 0.375 0.75 0.75
lab*ncE 0.25 0.75 b00r

n = 0,00*

relative Inform. Technology (IT)
olvi3* 0.0 0.488 1.0 (1.0)
cmyn3* 1.0 0.512 0.0 (0.0)
olvi4* 0.0 0.488 1.0 1.0
cmyn4* 1.0 0.512 0.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 41.79 1.14 −43.56
LAB*LABa 41.79 1.1 −44.7
LAB*TCHa 50.0 44.73 271.4
relative* CIELAB *lab*
lab*lab 0.307 0.024 −0.998
lab*tch 0.5 1.0 0.754
lab*nch 0.0 1.0 0.754
relative Natural Colour (NC)
lab*lrj 0.307 0.0 −0.999
lab*tce 0.5 1.0 0.75
lab*ncE 0.0 1.0 b00r

0,25

0,00

Schwarzheit *n**

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

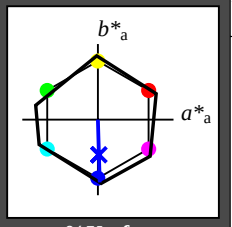
relative Buntheit *c**

Ausgabe: 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

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 84.85 0.62 −20.75
LAB*LABa 84.85 0.6 −20.75
LAB*TCHa 87.5 20.77 271.66
relative* CIELAB *lab*
lab*lab 0.875 0.007 −0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.875 0.0 −0.249
lab*tce 0.875 0.25 0.75
lab*ncE 0.0 0.25 g99b

relative Inform. Technology (IT)
olvi3* 0.75 0.756 1.0 (1.0)
cmyn3* 0.25 0.244 0.0 (0.0)
olvi4* 0.75 0.756 1.0 1.0
cmyn4* 0.25 0.244 0.0 0.0
***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 0.256 0.5 (1.0)
cmyn3* 0.75 0.744 0.5 (0.0)
olvi4* 0.75 0.756 1.0 0.5
cmyn4* 0.25 0.244 0.0 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 42.65 0.6 −20.74
LAB*LABa 42.65 0.6 −20.76
LAB*TCHa 37.5 20.78 271.66
relative* CIELAB *lab*
lab*lab 0.375 0.007 −0.249
lab*tch 0.375 0.25 0.755
lab*nch 0.5 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.375 0.0 −0.249
lab*tce 0.375 0.25 0.75
lab*ncE 0.5 0.25 b00r

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 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 –

n = 1,0*

relative Inform. Technology (IT)
olvi3* 0.5 0.506 0.75 (1.0)
cmyn3* 0.5 0.494 0.25 (0.0)
olvi4* 0.75 0.756 1.0 0.75
cmyn4* 0.25 0.244 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 63.75 0.64 −20.75
LAB*LABa 63.75 0.6 −20.76
LAB*TCHa 62.5 20.78 271.66
relative* CIELAB *lab*
lab*lab 0.625 0.007 −0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.25 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.625 0.0 −0.249
lab*tce 0.625 0.25 0.75
lab*ncE 0.25 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.25 0.256 0.5 (1.0)
cmyn3* 0.75 0.744 0.5 (0.0)
olvi4* 0.75 0.756 1.0 0.5
cmyn4* 0.25 0.244 0.0 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 42.65 0.65 −20.74
LAB*LABa 42.65 0.6 −20.76
LAB*TCHa 37.5 20.78 271.66
relative* CIELAB *lab*
lab*lab 0.375 0.007 −0.249
lab*tch 0.375 0.25 0.755
lab*nch 0.5 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.375 0.0 −0.249
lab*tce 0.375 0.25 0.75
lab*ncE 0.5 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.0 0.006 0.25 (1.0)
cmyn3* 1.0 0.994 0.75 (0.0)
olvi4* 0.75 0.756 1.0 0.25
cmyn4* 0.25 0.244 0.0 0.75
***standard* and *adapted* CIELAB**
LAB*LAB 21.55 0.68 −20.73
LAB*LABa 21.55 0.61 −20.75
LAB*TCHa 12.5 20.77 271.68
relative* CIELAB *lab*
lab*lab 0.125 0.007 −0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.75 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.125 0.0 −0.249
lab*tce 0.125 0.25 0.75
lab*ncE 0.75 0.25 b00r

n = 0,50*

relative Inform. Technology (IT)
olvi3* 0.25 0.262 0.75 (1.0)
cmyn3* 0.75 0.738 0.25 (0.0)
olvi4* 0.5 0.512 1.0 0.75
cmyn4* 0.5 0.488 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 53.2 1.25 −41.51
LAB*LABa 53.2 1.21 −41.52
LAB*TCHa 50.0 41.55 271.66
relative* CIELAB *lab*
lab*lab 0.5 0.015 −0.499
lab*tch 0.5 0.5 0.755
lab*nch 0.25 0.5 0.755
relative Natural Colour (NC)
lab*lrj 0.5 0.0 −0.499
lab*tce 0.5 0.5 0.75
lab*ncE 0.25 0.5 g100b

relative Inform. Technology (IT)
olvi3* 0.5 0.988 0.5 (0.0)
cmyn3* 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

n = 0,25*

relative Inform. Technology (IT)
olvi3* 0.25 0.268 1.0 (1.0)
cmyn3* 0.75 0.732 0.0 (0.0)
olvi4* 0.25 0.268 1.0 1.0
cmyn4* 0.75 0.732 0.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 63.75 1.84 −62.28
LAB*LABa 63.75 1.81 −62.28
LAB*TCHa 62.5 62.32 271.66
relative* CIELAB *lab*
lab*lab 0.625 0.022 −0.749
lab*tch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*lrj 0.625 0.0 −0.749
lab*tce 0.625 0.75 0.75
lab*ncE 0.0 0.75 g99b

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.982 0.25 (0.0)
olvi4* 0.25 0.268 1.0 0.75
cmyn4* 0.75 0.732 0.0 0.25
***standard* and *adapted* CIELAB**
LAB*LAB 42.65 1.87 −62.27
LAB*LABa 42.65 1.82 −62.29
LAB*TCHa 37.51 62.32 271.67
relative* CIELAB *lab*
lab*lab 0.375 0.022 −0.749
lab*tch 0.375 0.75 0.755
lab*nch 0.25 0.75 0.755
relative Natural Colour (NC)
lab*lrj 0.375 0.0 −0.749
lab*tce 0.375 0.75 0.75
lab*ncE 0.25 0.75 b00r

n = 0,00*

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

0,25

0,00

Schwarzheit *n**

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

relative Buntheit *c**

TG520−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

BAM-Prüfvorlage TG52; Farbmetrik-Systeme ORS18 & NRS11 input: *olv* setrgbcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**one**put: *olv* setrgbcolor / w* setgray*