Eingabe: Farbmetrisches Reflexions-System NCS11

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

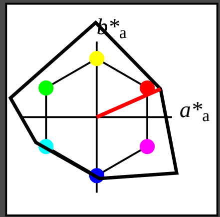
lab*tch* und *lab*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

u^*_{rel} = 149

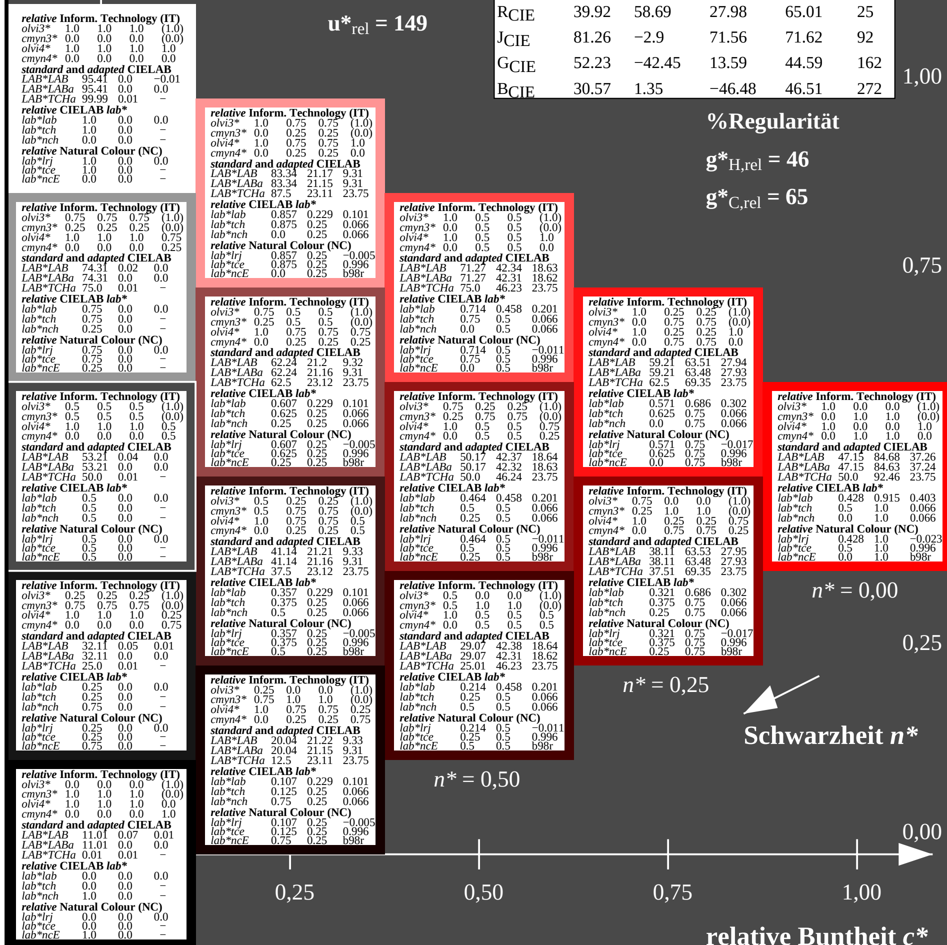
NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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

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

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



Ausgabe: Farbmetrisches Reflexions-System NCS11

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

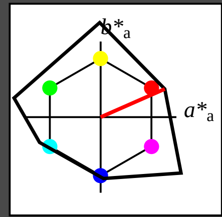
lab*tch* und *lab*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

u^*_{rel} = 149

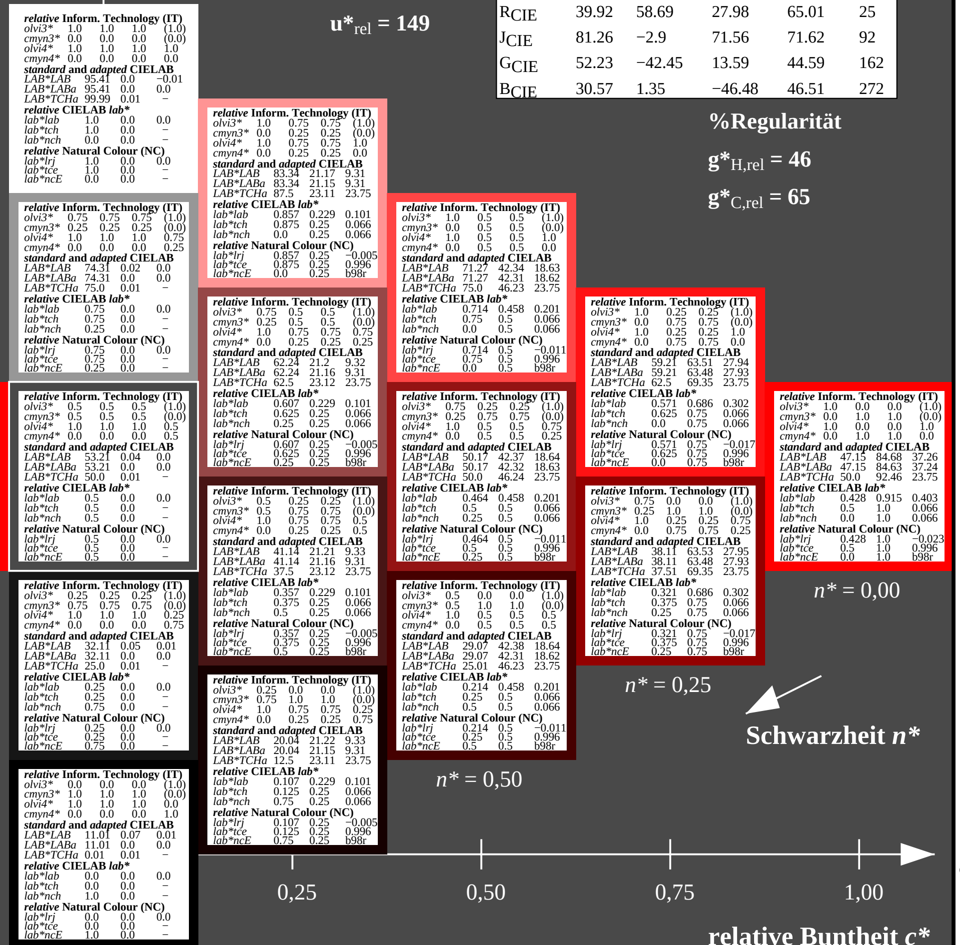
NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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

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

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



TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

BAM-Registrierung: 20060101-TG59/10S/S59G00FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen, Yr=2.5, XYZ

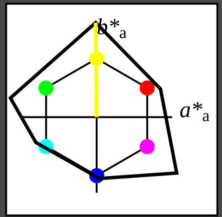
/TG59/ Form: 1/10, Serie: 1/1, Seite: 1 Seitenzählung 1

Siehe ähnliche Dateien: http://www.ps.bam.de/TG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

Eingabe: Farbmetrisches Reflexions-System NCS11
für Buntton $h^* = lab^*h = 91/360 = 0.252$
lab*tch* und *lab*nch

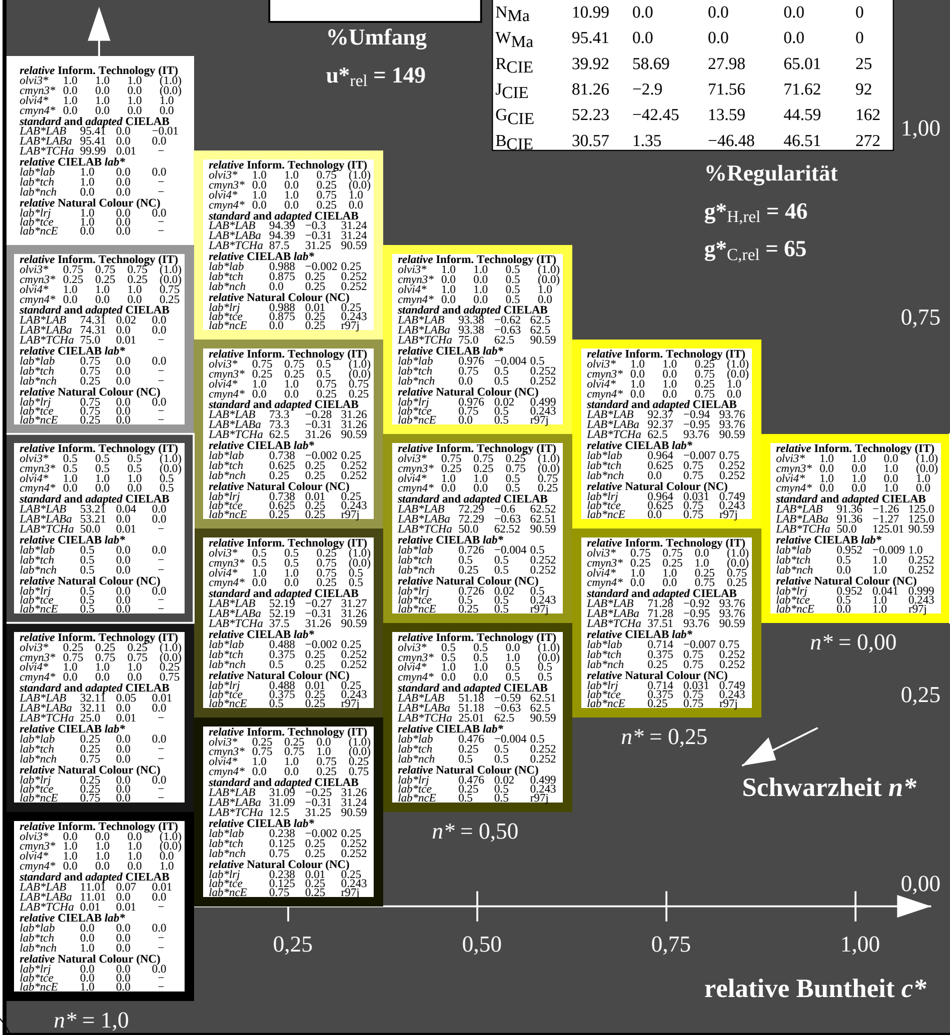
D65: Buntton J
LCH*Ma: 91 125 91
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



NCS11; adaptierte CIELAB-Daten

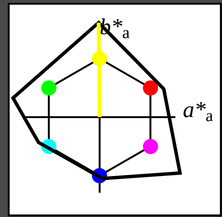
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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



Ausgabe: Farbmetrisches Reflexions-System NCS11
für Buntton $h^* = lab^*h = 91/360 = 0.252$
lab*tch* und *lab*nch

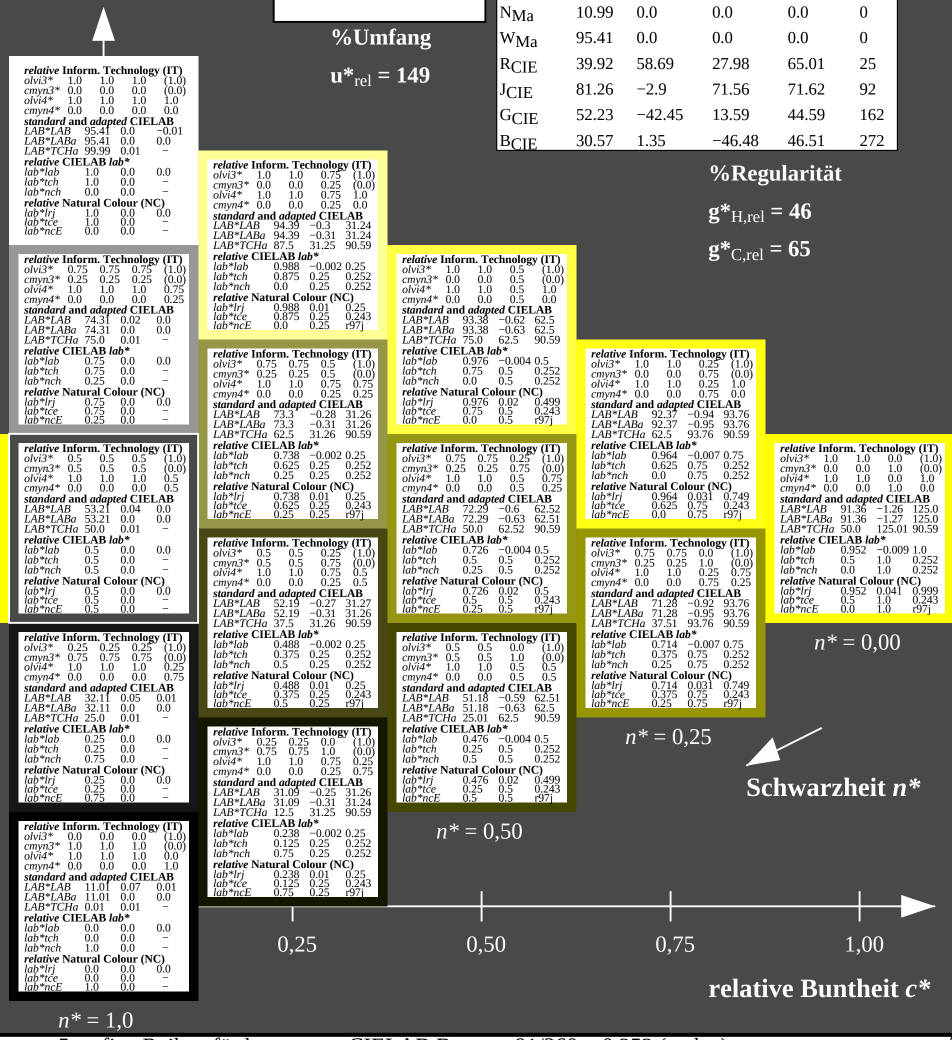
D65: Buntton J
LCH*Ma: 91 125 91
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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



TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (links)
5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (rechts)

BAM-Registrierung: 20060101-TG59/10S/S59G01FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen, Yr=2,5, XYZ

/TG59/ Form: 2/10, Serie: 1/1, Seite: 2 Seitenz hlung 2

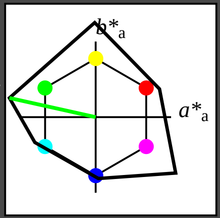
Siehe ähnliche Dateien: http://www.ps.bam.de/TG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$
lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 63 117 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*

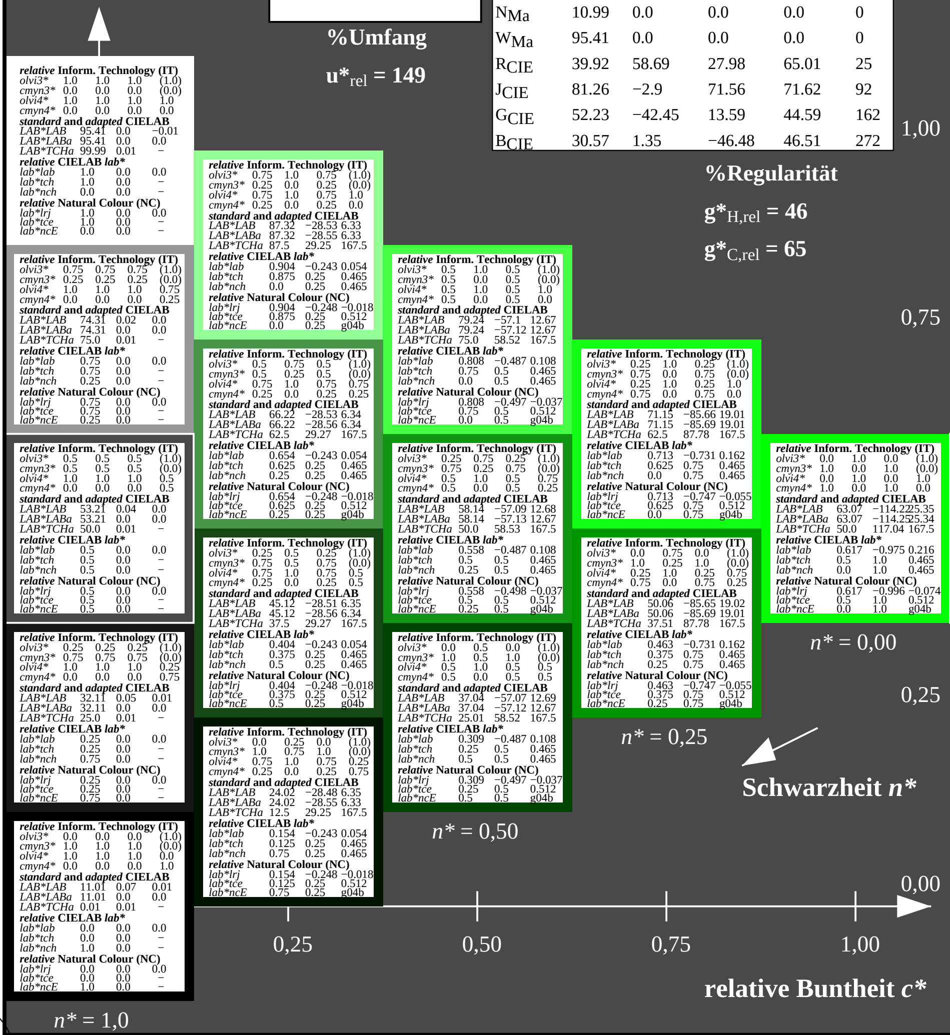


%Umfang
u^*_{rel} = 149

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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
$g^*_{H,rel}$ = 46
$g^*_{C,rel}$ = 65

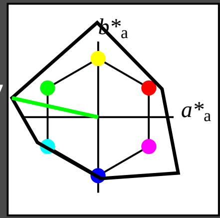


Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$
lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 63 117 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*

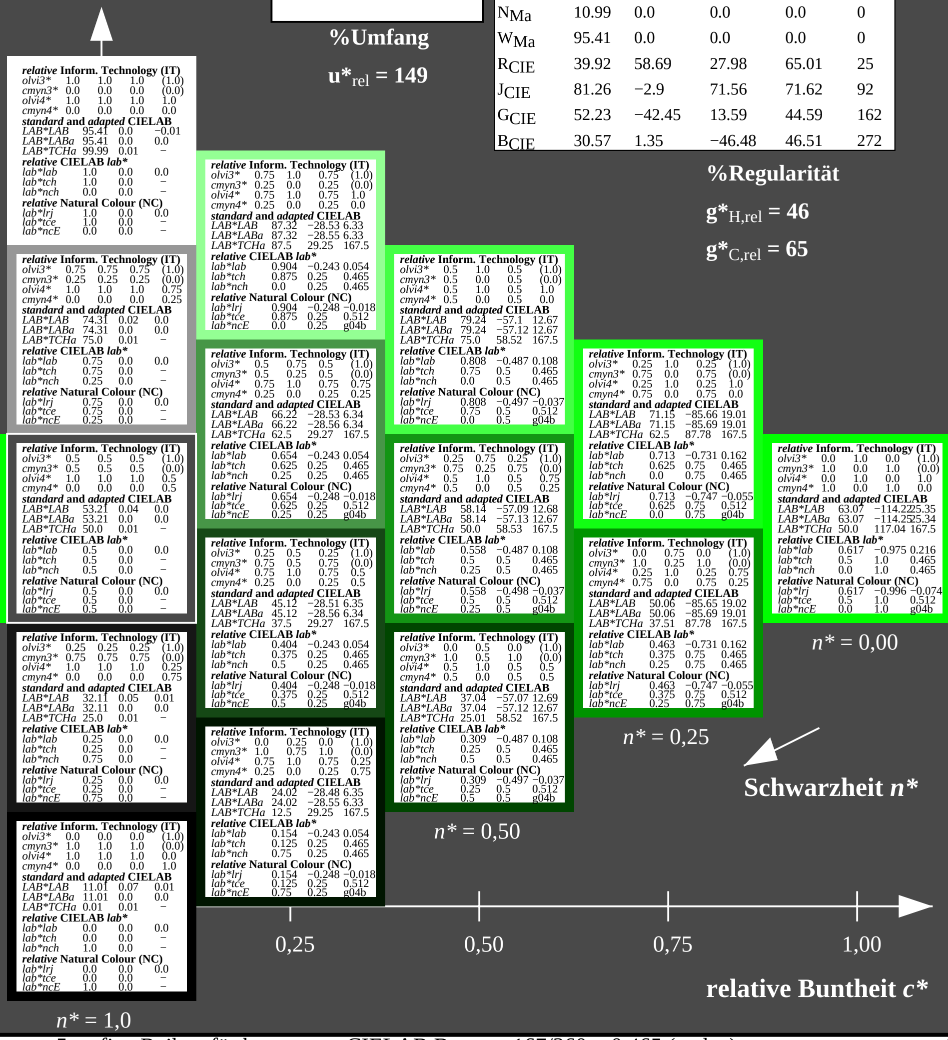


%Umfang
u^*_{rel} = 149

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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
$g^*_{H,rel}$ = 46
$g^*_{C,rel}$ = 65



TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)
5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

BAM-Registrierung: 20060101-TG59/10S/S59G02FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen, Yr=2.5, XYZ

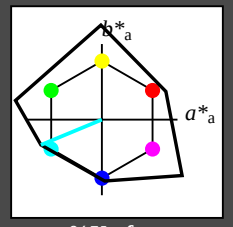
/TG59/ Form: 3/10, Serie: 1/1, Seite: 3 Seitenz hlung 3

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 203/360 = 0.563*
*lab*tch* und *lab*nch*

D65: Buntton G50B
LCH*Ma: 59 87 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 149

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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

1,00

%Regularität

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

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

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**

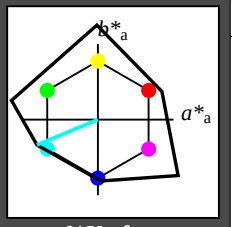
TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 203/360 = 0.563*
*lab*tch* und *lab*nch*

D65: Buntton G50B
LCH*Ma: 59 87 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 149

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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*$_{H,rel}$ = 46

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

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**

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

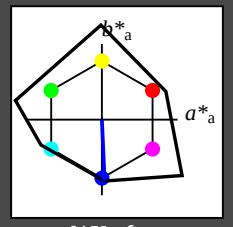
BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11a
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**one**

Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System NCS11
für Buntton *h* = lab*h = 273/360 = 0.757*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 49 81 273
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**

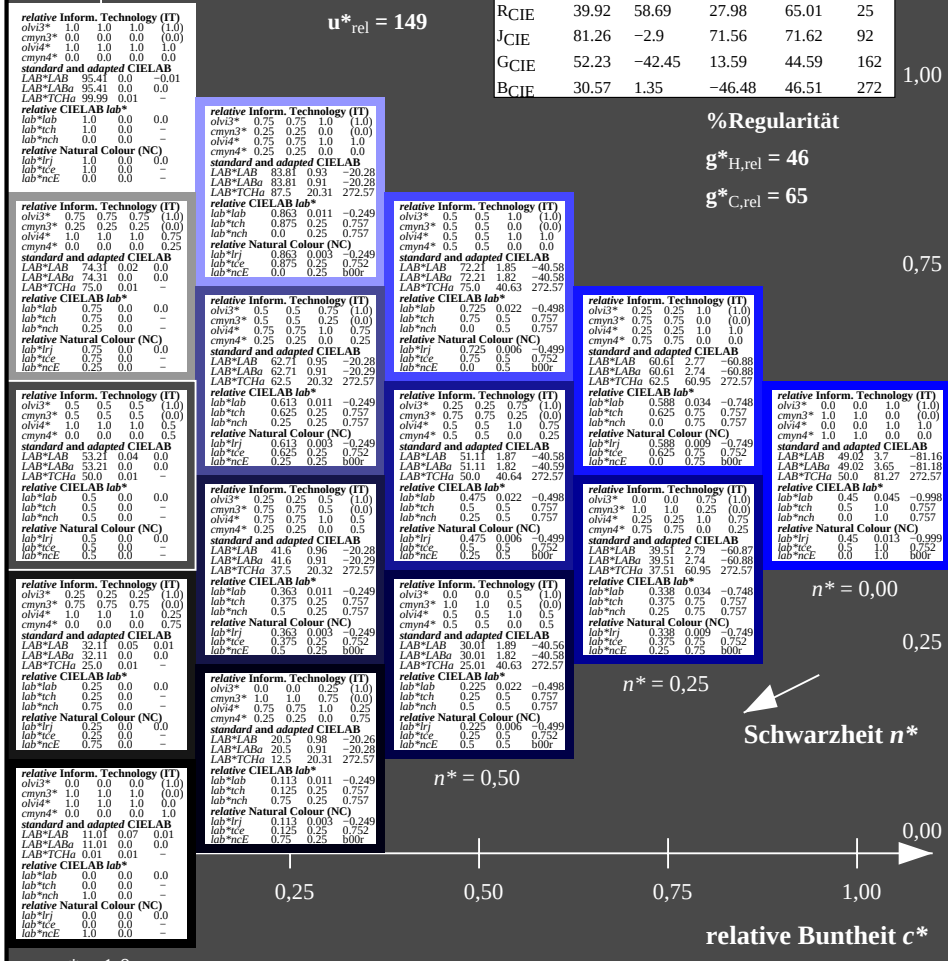


%Umfang
u*$_{rel}$ = 149

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

NCS11; adaptierte CIELAB-Daten

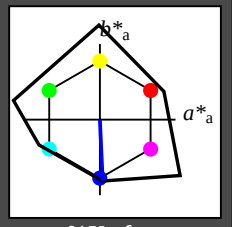
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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



Ausgabe: Farbmetrisches Reflexions-System NCS11
für Buntton *h* = lab*h = 273/360 = 0.757*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 49 81 273
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**

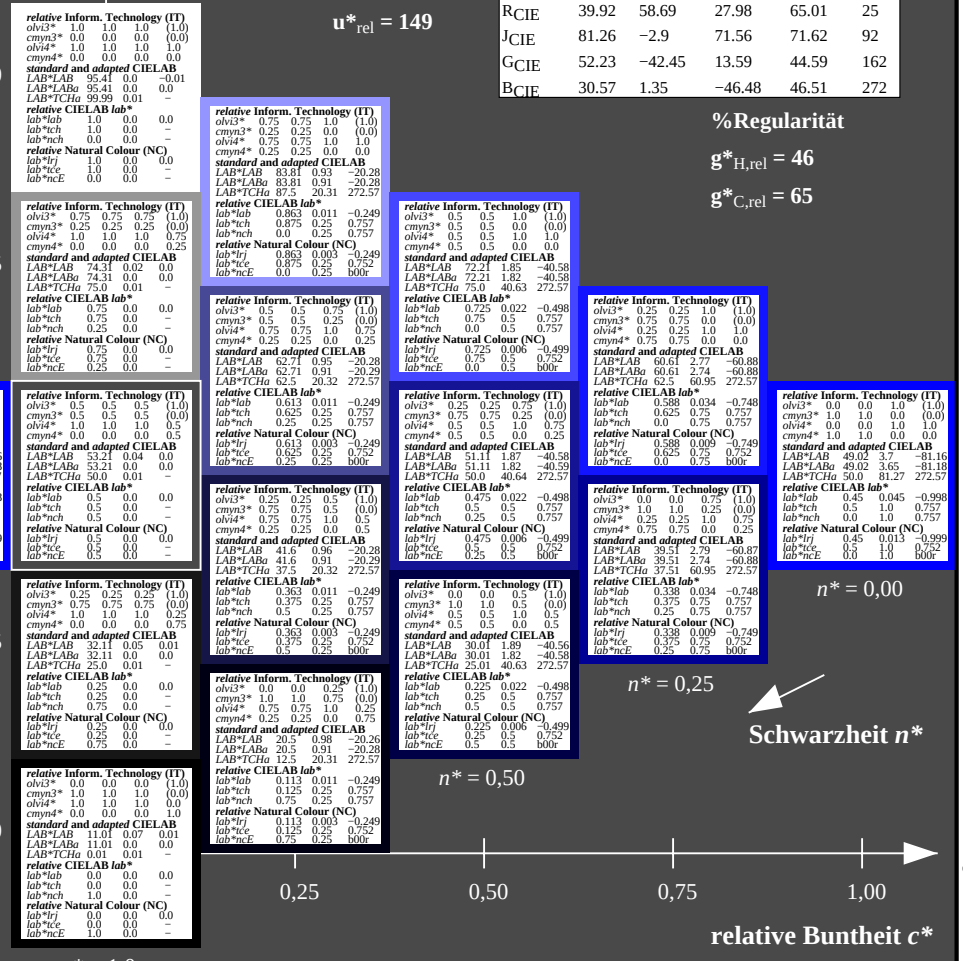


%Umfang
u*$_{rel}$ = 149

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

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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



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

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

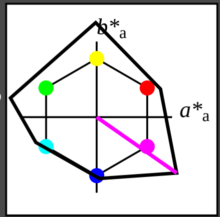
BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11a
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**öne**

Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Siehe ähnliche Dateien: http://www.ps.bam.de/TG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

Eingabe: Farbmetrisches Reflexions-System NCS11
für Buntton $h^* = lab^*h = 325/360 = 0.903$
lab*tch* und *lab*nch

D65: Buntton B50R
LCH*Ma: 44 129 325
rgb*Ma: 1.0 0.0 1.0
Dreiecks-Helligkeit t^*

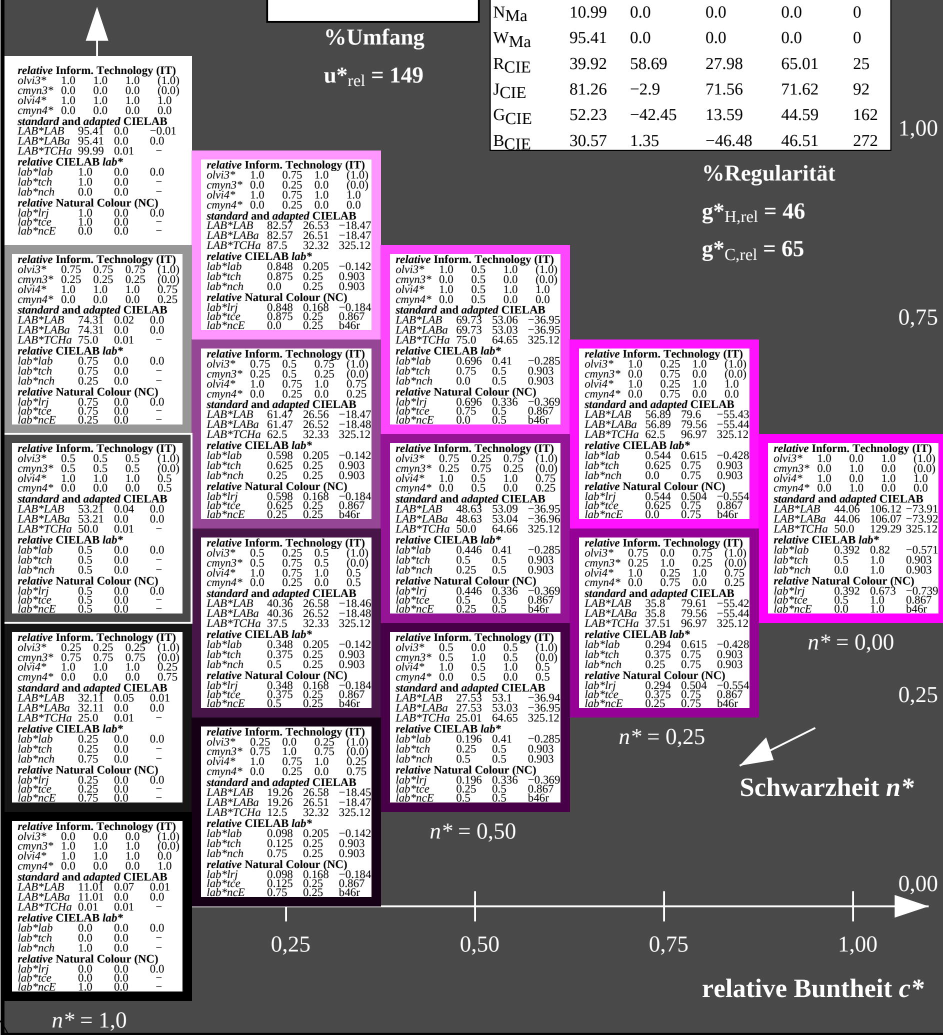


%Umfang
u^*_{rel} = 149

NCS11; adaptierte CIELAB-Daten

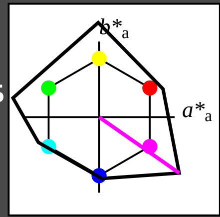
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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
$g^*_{H,rel}$ = 46
$g^*_{C,rel}$ = 65



Ausgabe: Farbmetrisches Reflexions-System NCS11
für Buntton $h^* = lab^*h = 325/360 = 0.903$
lab*tch* und *lab*nch

D65: Buntton B50R
LCH*Ma: 44 129 325
rgb*Ma: 1.0 0.0 1.0
Dreiecks-Helligkeit t^*

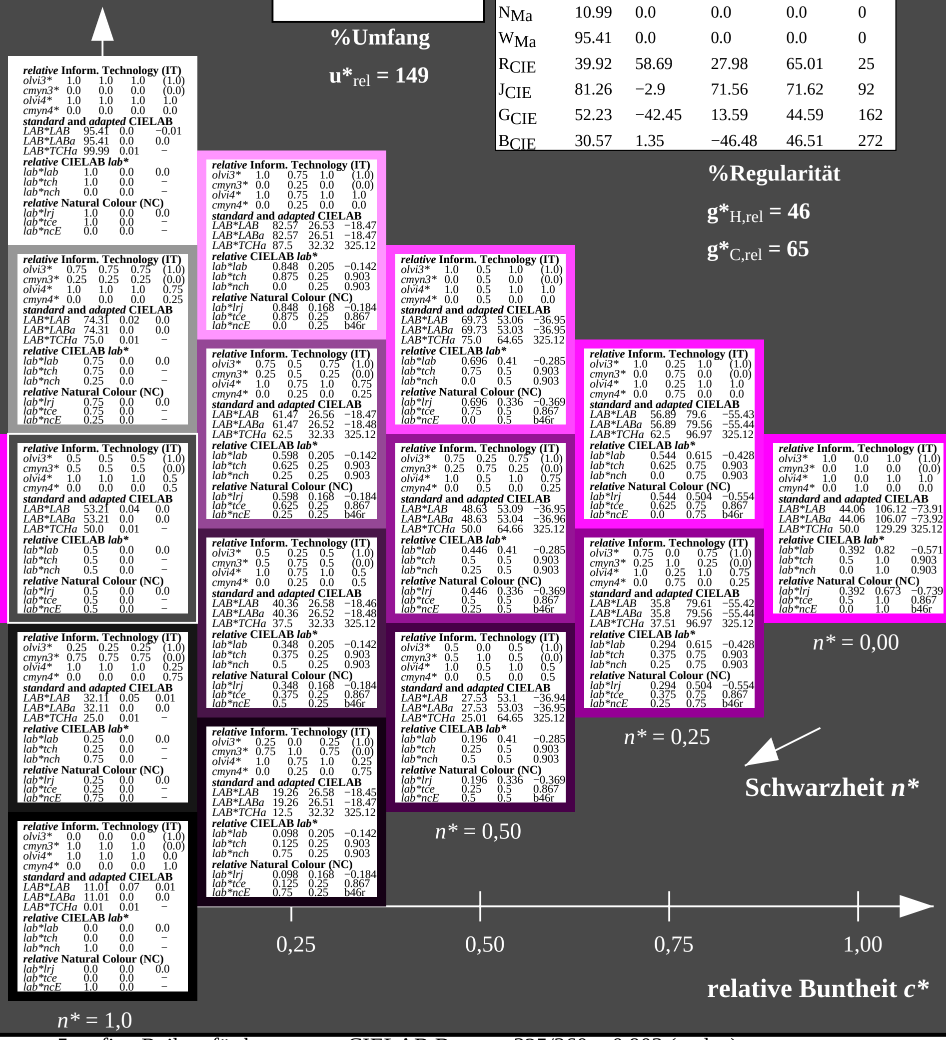


%Umfang
u^*_{rel} = 149

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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
$g^*_{H,rel}$ = 46
$g^*_{C,rel}$ = 65



TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)
5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

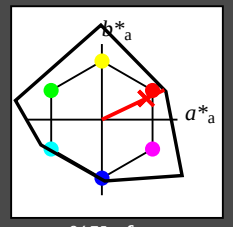
BAM-Registrierung: 20060101-TG59/10S/S59G05FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen, Yr=2.5, XYZ

/TG59/ Form: 6/10, Serie: 1/1, Seite: 6 Seitenz hlung 6

Eingabe: Farbmetrisches Reflexions-System NCS11
für Buntton *h* = lab*h = 25/360 = 0.071*
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 48 91 25
rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 149

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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

1,00

%Regularität

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

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

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**

TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Ausgabe: Farbmetrisches Reflexions-System NCS11
für Buntton *h* = lab*h = 25/360 = 0.071*
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 48 91 25
rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit *t**

%Umfang

u*$_{rel}$ = 149

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	47.15	84.64	37.25	92.48	24
J_{Ma}	91.37	−1.27	125.03	125.03	91
G_{Ma}	63.07	−114.28	25.35	117.06	167
$G50B_{Ma}$	59.47	−80.6	−33.45	87.28	203
B_{Ma}	49.01	3.65	−81.19	81.28	273
$B50R_{Ma}$	44.06	106.09	−73.93	129.32	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
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*$_{H,rel}$ = 46

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

Schwarzheit *n**

relative Buntheit *c**

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11o
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntöne

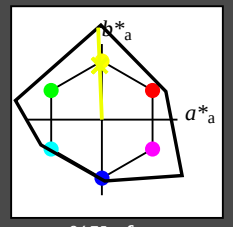
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 92/360 = 0.256*
*lab*tch* und *lab*nch*

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

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 149

%Regularität
g*H,rel = 46
g*C,rel = 65

NCS11; adaptierte CIELAB-Daten

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

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

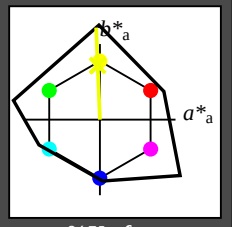
TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 92/360 = 0.256*
*lab*tch* und *lab*nch*

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

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 149

%Regularität
g*H,rel = 46
g*C,rel = 65

NCS11; adaptierte CIELAB-Daten

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

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

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

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11a
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**öne**

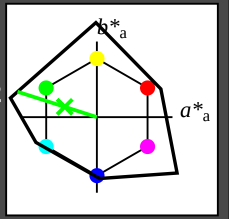
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 65 110 162
rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 149

NCS11; adaptierte CIELAB-Daten

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

%Regularität

g*H,rel = 46

g*C,rel = 65

relative Inform. Technology (IT)
olvi3* 1.0 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* 0.771 1.0 0.75 (1.0)
cmyn3* 0.229 0.0 0.25 (0.0)
olvi4* 0.771 1.0 0.75 1.0
cmyn4* 0.229 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 87.9 −26.2 8.39
LAB*LABa 87.9 −26.22 8.39
LAB*TCHa 87.5 27.54 162.25
relative CIELAB lab*
lab*lab 0.911 −0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.911 −0.249 0.0
lab*tce 0.875 0.25 0.5
lab*ncE 0.0 0.25 j99g

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* 0.541 1.0 0.5 (1.0)
cmyn3* 0.459 0.0 0.5 (0.0)
olvi4* 0.541 1.0 0.5 1.0
cmyn4* 0.459 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 80.4 −52.43 16.79
LAB*LABa 80.4 −52.45 16.79
LAB*TCHa 75.0 55.08 162.25
relative CIELAB lab*
lab*lab 0.822 −0.475 0.152
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.822 −0.499 0.0
lab*tce 0.75 0.5 0.5
lab*ncE 0.0 0.5 j99g

relative Inform. Technology (IT)
olvi3* 0.521 0.75 0.5 (1.0)
cmyn3* 0.479 0.25 0.5 (0.0)
olvi4* 0.771 1.0 0.75 0.75
cmyn4* 0.229 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 66.81 −26.19 8.4
LAB*LABa 66.81 −26.23 8.4
LAB*TCHa 62.5 27.55 162.25
relative CIELAB lab*
lab*lab 0.661 −0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.661 −0.249 0.0
lab*tce 0.625 0.25 0.5
lab*ncE 0.25 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.312 1.0 0.25 (1.0)
cmyn3* 0.688 0.0 0.75 (0.0)
olvi4* 0.312 1.0 0.25 1.0
cmyn4* 0.688 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 72.9 −78.66 25.19
LAB*LABa 72.9 −78.69 25.19
LAB*TCHa 62.5 82.63 162.25
relative CIELAB lab*
lab*lab 0.733 −0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.733 −0.749 0.0
lab*tce 0.625 0.75 0.5
lab*ncE 0.0 0.75 j99g

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* 0.291 0.75 0.25 (1.0)
cmyn3* 0.709 0.25 0.75 (0.0)
olvi4* 0.541 1.0 0.5 0.75
cmyn4* 0.459 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 59.31 −52.42 16.8
LAB*LABa 59.31 −52.46 16.79
LAB*TCHa 50.0 55.09 162.25
relative CIELAB lab*
lab*lab 0.572 −0.475 0.152
lab*tch 0.5 0.5 0.451
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.572 −0.499 0.0
lab*tce 0.5 0.5 0.5
lab*ncE 0.25 0.5 g00b

relative Inform. Technology (IT)
olvi3* 0.083 1.0 0.0 (1.0)
cmyn3* 0.917 0.0 1.0 (0.0)
olvi4* 0.083 1.0 0.0 1.0
cmyn4* 0.917 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 65.41 −104.8933.58
LAB*LABa 65.41 −104.9233.57
LAB*TCHa 50.0 110.17 162.26
relative CIELAB lab*
lab*lab 0.645 −0.951 0.305
lab*tch 0.5 1.0 0.451
lab*nch 0.0 1.0 0.451
relative Natural Colour (NC)
lab*lrj 0.645 −0.999 0.0
lab*tce 0.5 1.0 0.5
lab*ncE 0.0 1.0 g00b

relative Inform. Technology (IT)
olvi3* 0.271 0.5 0.25 (1.0)
cmyn3* 0.729 0.5 0.75 (0.0)
olvi4* 0.771 1.0 0.75 0.5
cmyn4* 0.229 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 45.7 −26.18 8.41
LAB*LABa 45.7 −26.23 8.4
LAB*TCHa 37.5 27.55 162.25
relative CIELAB lab*
lab*lab 0.411 −0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.5 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.411 −0.249 0.0
lab*tce 0.375 0.25 0.5
lab*ncE 0.5 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.062 0.75 0.0 (1.0)
cmyn3* 0.938 0.25 1.0 (0.0)
olvi4* 0.312 1.0 0.25 0.75
cmyn4* 0.688 0.0 0.75 0.25
standard and adapted CIELAB
LAB*LAB 51.81 −78.65 25.19
LAB*LABa 51.81 −78.7 25.18
LAB*TCHa 37.51 82.64 162.26
relative CIELAB lab*
lab*lab 0.483 −0.713 0.228
lab*tch 0.375 0.75 0.451
lab*nch 0.25 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.483 −0.749 0.0
lab*tce 0.375 0.75 0.5
lab*ncE 0.25 0.75 g00b

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* 0.041 0.5 0.0 (1.0)
cmyn3* 0.959 0.5 1.0 (0.0)
olvi4* 0.541 1.0 0.5 0.5
cmyn4* 0.459 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 38.2 −52.41 16.8
LAB*LABa 38.2 −52.46 16.78
LAB*TCHa 25.01 55.09 162.27
relative CIELAB lab*
lab*lab 0.322 −0.475 0.152
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.322 −0.499 0.0
lab*tce 0.25 0.5 0.5
lab*ncE 0.5 0.5 g00b

relative Inform. Technology (IT)
olvi3* 0.021 0.25 0.0 (1.0)
cmyn3* 0.979 0.75 1.0 (0.0)
olvi4* 0.771 1.0 0.75 0.25
cmyn4* 0.229 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 24.6 −26.16 8.4
LAB*LABa 24.6 −26.23 8.38
LAB*TCHa 12.5 27.54 162.28
relative CIELAB lab*
lab*lab 0.161 −0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.161 −0.249 0.0
lab*tce 0.125 0.25 0.5
lab*ncE 0.75 0.25 g00b

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 −

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

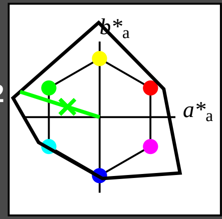
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 65 110 162
rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 149

NCS11; adaptierte CIELAB-Daten

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

%Regularität

g*H,rel = 46

g*C,rel = 65

relative Inform. Technology (IT)
olvi3* 1.0 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* 0.771 1.0 0.75 (1.0)
cmyn3* 0.229 0.0 0.25 (0.0)
olvi4* 0.771 1.0 0.75 1.0
cmyn4* 0.229 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 87.9 −26.2 8.39
LAB*LABa 87.9 −26.22 8.39
LAB*TCHa 87.5 27.54 162.25
relative CIELAB lab*
lab*lab 0.911 −0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.911 −0.249 0.0
lab*tce 0.875 0.25 0.5
lab*ncE 0.0 0.25 j99g

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* 0.541 1.0 0.5 (1.0)
cmyn3* 0.459 0.0 0.5 (0.0)
olvi4* 0.541 1.0 0.5 1.0
cmyn4* 0.459 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 80.4 −52.43 16.79
LAB*LABa 80.4 −52.45 16.79
LAB*TCHa 75.0 55.08 162.25
relative CIELAB lab*
lab*lab 0.822 −0.475 0.152
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.822 −0.499 0.0
lab*tce 0.75 0.5 0.5
lab*ncE 0.0 0.5 j99g

relative Inform. Technology (IT)
olvi3* 0.521 0.75 0.5 (1.0)
cmyn3* 0.479 0.25 0.5 (0.0)
olvi4* 0.771 1.0 0.75 0.75
cmyn4* 0.229 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 66.81 −26.19 8.4
LAB*LABa 66.81 −26.23 8.4
LAB*TCHa 62.5 27.55 162.25
relative CIELAB lab*
lab*lab 0.661 −0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.661 −0.249 0.0
lab*tce 0.625 0.25 0.5
lab*ncE 0.25 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.312 1.0 0.25 (1.0)
cmyn3* 0.688 0.0 0.75 (0.0)
olvi4* 0.312 1.0 0.25 1.0
cmyn4* 0.688 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 72.9 −78.66 25.19
LAB*LABa 72.9 −78.69 25.19
LAB*TCHa 62.5 82.63 162.25
relative CIELAB lab*
lab*lab 0.733 −0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.733 −0.749 0.0
lab*tce 0.625 0.75 0.5
lab*ncE 0.0 0.75 j99g

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* 0.291 0.75 0.25 (1.0)
cmyn3* 0.709 0.25 0.75 (0.0)
olvi4* 0.541 1.0 0.5 0.75
cmyn4* 0.459 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 59.31 −52.42 16.8
LAB*LABa 59.31 −52.46 16.79
LAB*TCHa 50.0 55.09 162.25
relative CIELAB lab*
lab*lab 0.572 −0.475 0.152
lab*tch 0.5 0.5 0.451
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.572 −0.499 0.0
lab*tce 0.5 0.5 0.5
lab*ncE 0.25 0.5 g00b

relative Inform. Technology (IT)
olvi3* 0.083 1.0 0.0 (1.0)
cmyn3* 0.917 0.0 1.0 (0.0)
olvi4* 0.083 1.0 0.0 1.0
cmyn4* 0.917 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 65.41 −104.8933.58
LAB*LABa 65.41 −104.9233.57
LAB*TCHa 50.0 110.17 162.26
relative CIELAB lab*
lab*lab 0.645 −0.951 0.305
lab*tch 0.5 1.0 0.451
lab*nch 0.0 1.0 0.451
relative Natural Colour (NC)
lab*lrj 0.645 −0.999 0.0
lab*tce 0.5 1.0 0.5
lab*ncE 0.0 1.0 g00b

relative Inform. Technology (IT)
olvi3* 0.271 0.5 0.25 (1.0)
cmyn3* 0.729 0.5 0.75 (0.0)
olvi4* 0.771 1.0 0.75 0.5
cmyn4* 0.229 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 45.7 −26.18 8.41
LAB*LABa 45.7 −26.23 8.4
LAB*TCHa 37.5 27.55 162.25
relative CIELAB lab*
lab*lab 0.411 −0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.5 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.411 −0.249 0.0
lab*tce 0.375 0.25 0.5
lab*ncE 0.5 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.062 0.75 0.0 (1.0)
cmyn3* 0.938 0.25 1.0 (0.0)
olvi4* 0.312 1.0 0.25 0.75
cmyn4* 0.688 0.0 0.75 0.25
standard and adapted CIELAB
LAB*LAB 51.81 −78.65 25.19
LAB*LABa 51.81 −78.7 25.18
LAB*TCHa 37.51 82.64 162.26
relative CIELAB lab*
lab*lab 0.483 −0.713 0.228
lab*tch 0.375 0.75 0.451
lab*nch 0.25 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.483 −0.749 0.0
lab*tce 0.375 0.75 0.5
lab*ncE 0.25 0.75 g00b

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* 0.041 0.5 0.0 (1.0)
cmyn3* 0.959 0.5 1.0 (0.0)
olvi4* 0.541 1.0 0.5 0.5
cmyn4* 0.459 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 38.2 −52.41 16.8
LAB*LABa 38.2 −52.46 16.78
LAB*TCHa 25.01 55.09 162.27
relative CIELAB lab*
lab*lab 0.322 −0.475 0.152
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.322 −0.499 0.0
lab*tce 0.25 0.5 0.5
lab*ncE 0.5 0.5 g00b

relative Inform. Technology (IT)
olvi3* 0.021 0.25 0.0 (1.0)
cmyn3* 0.979 0.75 1.0 (0.0)
olvi4* 0.771 1.0 0.75 0.25
cmyn4* 0.229 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 24.6 −26.16 8.4
LAB*LABa 24.6 −26.23 8.38
LAB*TCHa 12.5 27.54 162.28
relative CIELAB lab*
lab*lab 0.161 −0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.161 −0.249 0.0
lab*tce 0.125 0.25 0.5
lab*ncE 0.75 0.25 g00b

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

Schwarzheit *n**

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

relative Buntheit *c**

TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)
5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/TG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

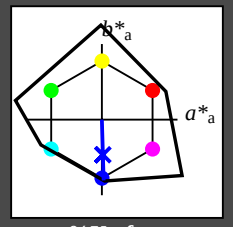
BAM-Registrierung: 20060101-TG59/10S/S59G08FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen, Yr=2.5, XYZ

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 272/360 = 0.755*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 49 80 272
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 149

NCS11; adaptierte CIELAB-Daten

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

1,00

%Regularität

g*H,rel = 46

g*C,rel = 65

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

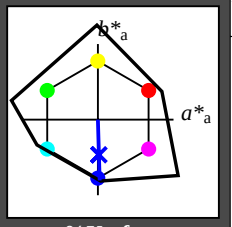
TG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton *h* = lab*h = 272/360 = 0.755*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 49 80 272
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 149

NCS11; adaptierte CIELAB-Daten

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

%Regularität

g*H,rel = 46

g*C,rel = 65

n* = 0,00

n* = 0,25

Schwarzheit *n**

n* = 0,50

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

relative Buntheit *c**

n* = 1,0

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