

Eingabe: Farbmimetrisches Reflexions-System NCS11

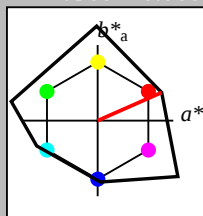
für Buntton $h^* = lab^*h = 24/360 = 0.066$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 47 92 24
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



%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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

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*Lab	95.41	0.0	0.0		
LAB*TCha	99.99	0.01	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	1.0	0.0	0.0		
lab*tce	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Natural Colour (NC)					
olvi3*	1.0	0.0	0.0		
cmyn3*	0.0	0.0	0.0		
olvi4*	1.0	0.0	0.0		
cmyn4*	0.0	0.0	0.0		
standard and adapted CIELAB					
LAB*LAB	83.34	21.17	9.31		
LAB*Lab	83.34	21.17	9.31		
LAB*TCha	87.5	23.11	23.75		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	0.857	0.25	0.066		
lab*nch	0.0	0.25	0.066		
lab*trj	0.857	0.25	0.066		
lab*tce	0.857	0.25	0.066		
lab*nce	0.0	0.25	0.066		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	74.31	0.02	0.0		
LAB*Lab	74.31	0.02	0.0		
LAB*TCha	75.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
lab*trj	0.75	0.0	0.0		
lab*tce	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Natural Colour (NC)					
olvi3*	0.75	0.0	0.0		
cmyn3*	0.25	0.0	0.0		
olvi4*	1.0	0.0	0.0		
cmyn4*	0.0	0.0	0.0		
standard and adapted CIELAB					
LAB*LAB	62.24	21.2	9.32		
LAB*Lab	62.24	21.2	9.32		
LAB*TCha	62.5	23.12	23.75		
relative CIELAB lab*					
lab*lab	0.607	0.229	0.101		
lab*tch	0.525	0.25	0.066		
lab*nch	0.25	0.25	0.066		
lab*trj	0.607	0.25	0.066		
lab*tce	0.607	0.25	0.066		
lab*nce	0.25	0.25	0.066		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	53.21	0.04	0.0		
LAB*Lab	53.21	0.04	0.0		
LAB*TCha	50.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Natural Colour (NC)					
olvi3*	0.5	0.0	0.0		
cmyn3*	0.5	0.0	0.0		
olvi4*	1.0	0.0	0.0		
cmyn4*	0.0	0.0	0.0		
standard and adapted CIELAB					
LAB*LAB	41.14	21.21	9.33		
LAB*Lab	41.14	21.21	9.33		
LAB*TCha	37.5	23.12	23.75		
relative CIELAB lab*					
lab*lab	0.357	0.229	0.101		
lab*tch	0.375	0.25	0.066		
lab*nch	0.25	0.25	0.066		
lab*trj	0.357	0.25	0.066		
lab*tce	0.357	0.25	0.066		
lab*nce	0.25	0.25	0.066		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*Lab	32.11	0.05	0.01		
LAB*TCha	25.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Natural Colour (NC)					
olvi3*	0.25	0.0	0.0		
cmyn3*	0.75	0.0	0.0		
olvi4*	1.0	0.0	0.0		
cmyn4*	0.0	0.0	0.0		
standard and adapted CIELAB					
LAB*LAB	20.04	21.22	9.33		
LAB*Lab	20.04	21.22	9.33		
LAB*TCha	12.5	23.11	23.75		
relative CIELAB lab*					
lab*lab	0.107	0.229	0.101		
lab*tch	0.125	0.25	0.066		
lab*nch	0.75	0.25	0.066		
lab*trj	0.107	0.25	0.066		
lab*tce	0.125	0.25	0.066		
lab*nce	0.75	0.25	0.066		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*Lab	11.01	0.07	0.01		
LAB*TCha	0.01	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Natural Colour (NC)					
olvi3*	0.0	0.0	0.0		
cmyn3*	1.0	0.0	0.0		
olvi4*	1.0	0.0	0.0		
cmyn4*	0.0	0.0	0.0		
standard and adapted CIELAB					
LAB*LAB	0.0	0.0	0.0		
LAB*Lab	0.0	0.0	0.0		
LAB*TCha	0.0	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1.0$

Ausgabe: Farbmimetrisches Reflexions-System NCS11

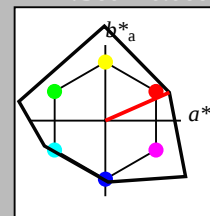
für Buntton $h^* = lab^*h = 24/360 = 0.066$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 47 92 24
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



%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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	1.0	
cmyn4*	0.0	0.25	0.25	0.0	
standard and adapted CIELAB					
LAB*LAB	83.34	21.17	9.31		
LAB*Lab	83.34	21.17	9.31		
LAB*TCha	87.5	23.11	23.75		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	0.857	0.25	0.066		
lab*nch	0.0	0.25	0.066		
lab*trj	0.857	0.25	0.066		
lab*tce	0.857	0.25	0.066		
lab*nce	0.0	0.25	0.066		

	0.0	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*	83.34	21.17	9.31	
Ba	83.34	21.15	9.31	
Ha	87.5	23.11	23.75	
CIELAB lab*				
	0.857	0.229	0.101	
	0.875	0.25	0.066	
	0.0	0.25	0.066	

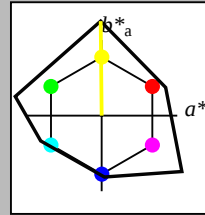
Eingabe: Farbmatisches Reflexions-System NCS11

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



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

UG490-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (links)

BAM-Prüfvorlage UG49; Farbmatrik-Systeme NCS11a & NCS11aput: $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$

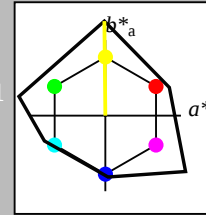
Ausgabe: Farbmatisches Reflexions-System NCS11

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



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (rechts)

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG49/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG49/10Q/Q49G01FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen, Yr=2,5, XYZ
/UG49/ Form: 2/10, Serie: 1/1, Seite: 2
Steuernung 2

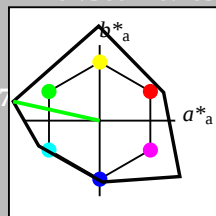
Eingabe: Farbmatisches Reflexions-System NCS11

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

lab^*tch und lab^*nch

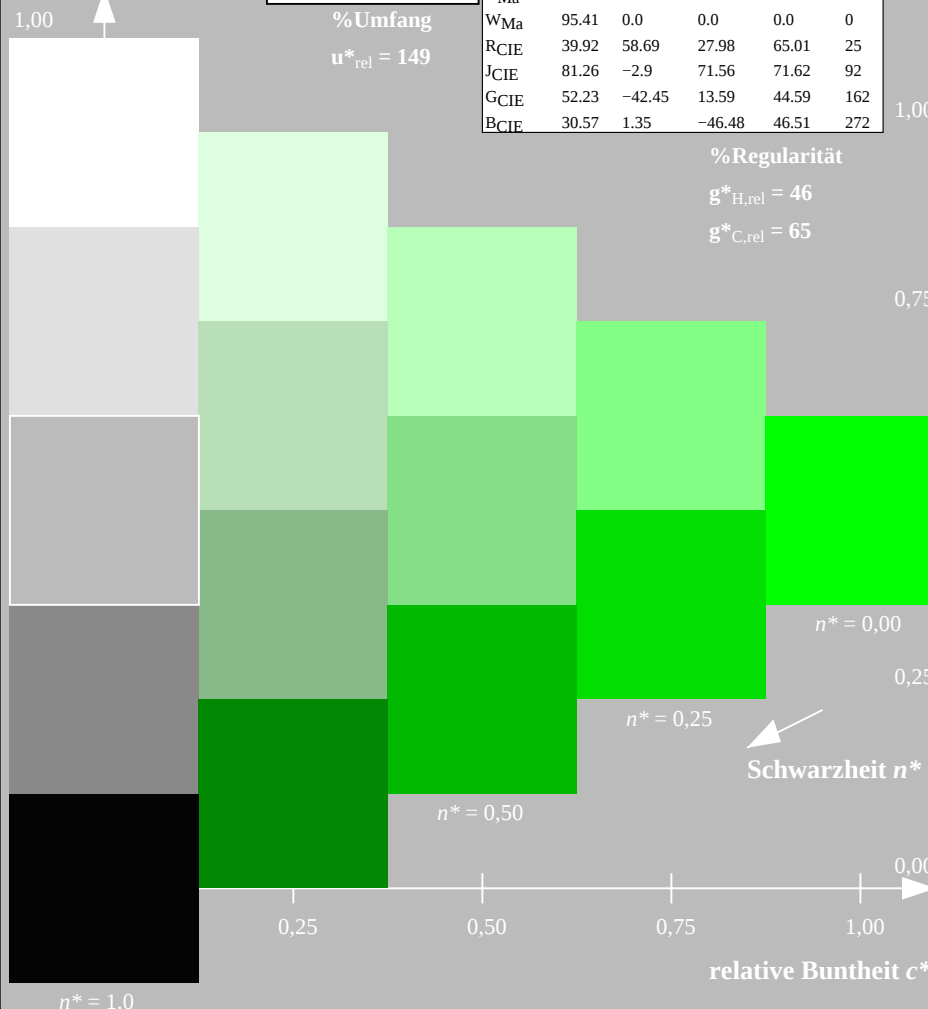
D65: Buntton G
LCH*Ma: 63 117 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

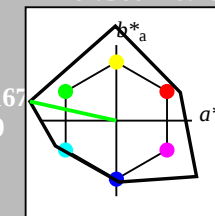
Ausgabe: Farbmatisches Reflexions-System NCS11

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

lab^*tch und lab^*nch

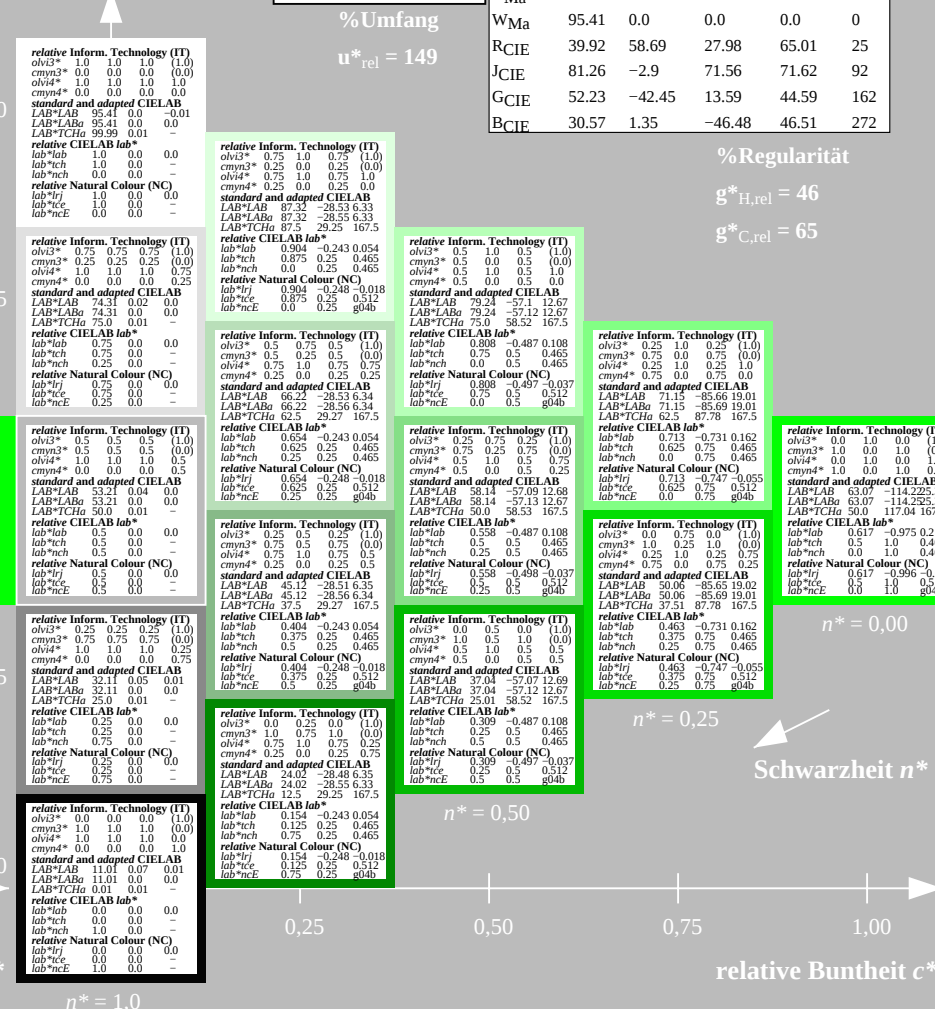
D65: Buntton G
LCH*Ma: 63 117 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

UG490-7, 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-Prüfvorlage UG49; Farbmatrik-Systeme NCS11a & NCS11aput: `cmY0* setcmYcolor`

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `setrgbcolor / w* setgray`

Eingabe: Farbmimetrisches 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

1,00

↑

u*_{rel} = 149

%Umfang

%Regularität

g*_{H,rel} = 46

g*_{C,rel} = 65

0,75

0,25

0,00

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

1,00

relative Buntheit c*

n* = 1,0

n* = 0,50

n* = 0,25

n* = 0,00

Schwarzheit n*

relative Buntheit c*

0,25

0,50

0,75

Eingabe: Farbmatisches Reflexions-System NCS11

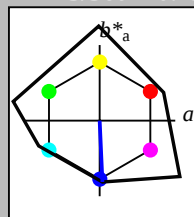
für Buntton $h^* = lab^*h = 273/360 = 0.757$

lab^*tch und lab^*nch

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

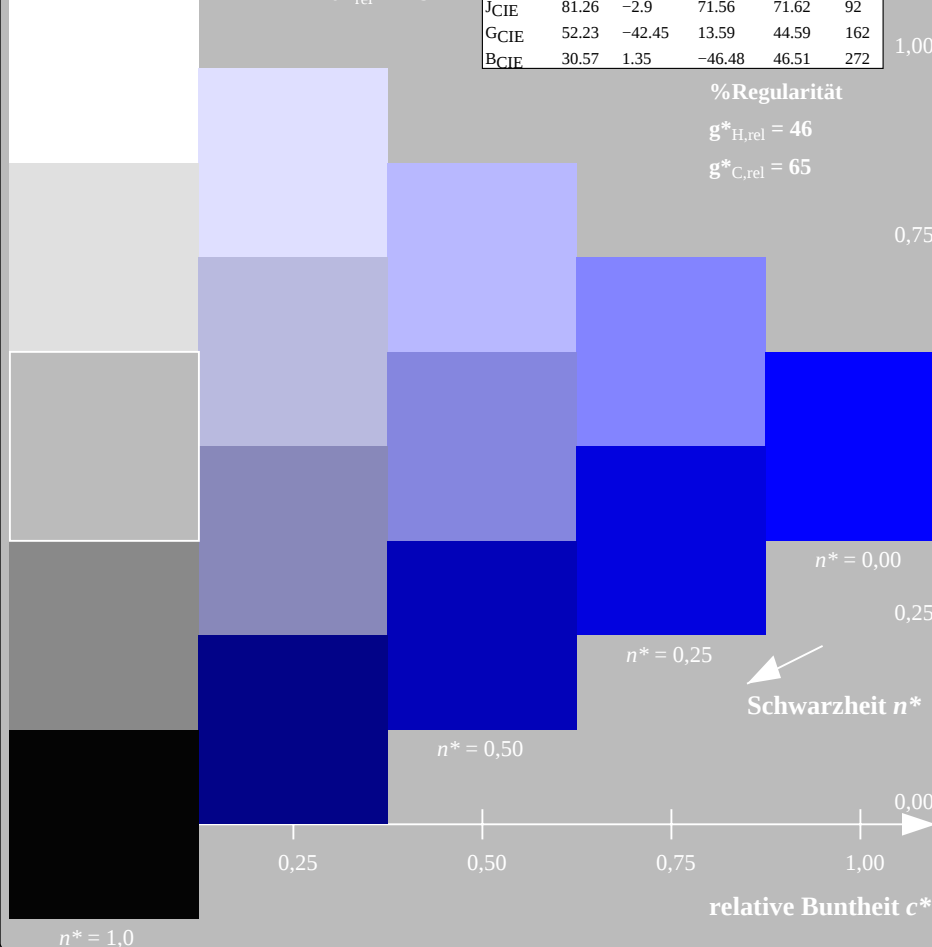
Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 149$



UG490-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

BAM-Prüfvorlage UG49; Farbmatrik-Systeme NCS11a & NCS11aput: *cmY0* setcmykcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *olv* setrgbcolor / w* setgray*

Ausgabe: Farbmatisches Reflexions-System NCS11

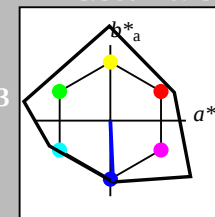
für Buntton $h^* = lab^*h = 273/360 = 0.757$

lab^*tch und lab^*nch

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

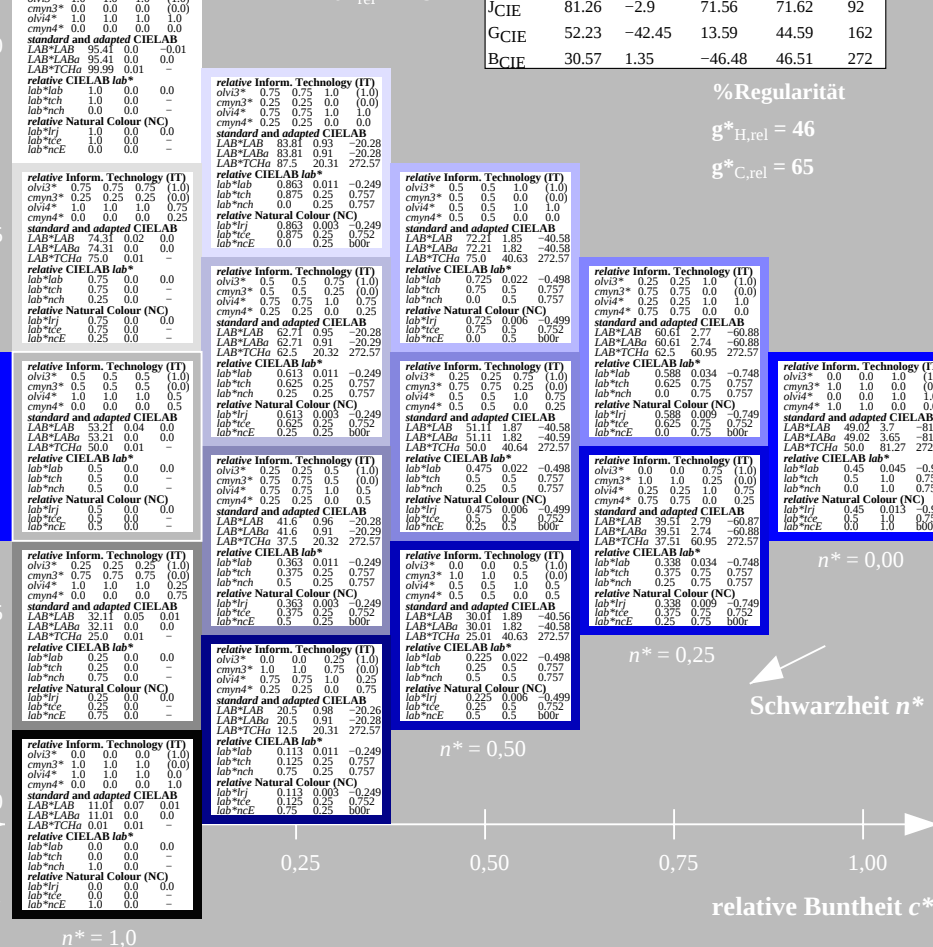
Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 149$



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

Eingabe: Farbmimetrisches Reflexions-System NCS11

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

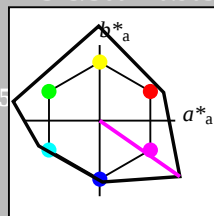
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

Ausgabe: Farbmimetrisches Reflexions-System NCS11

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

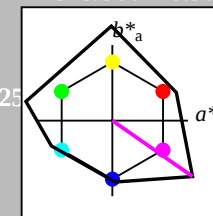
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

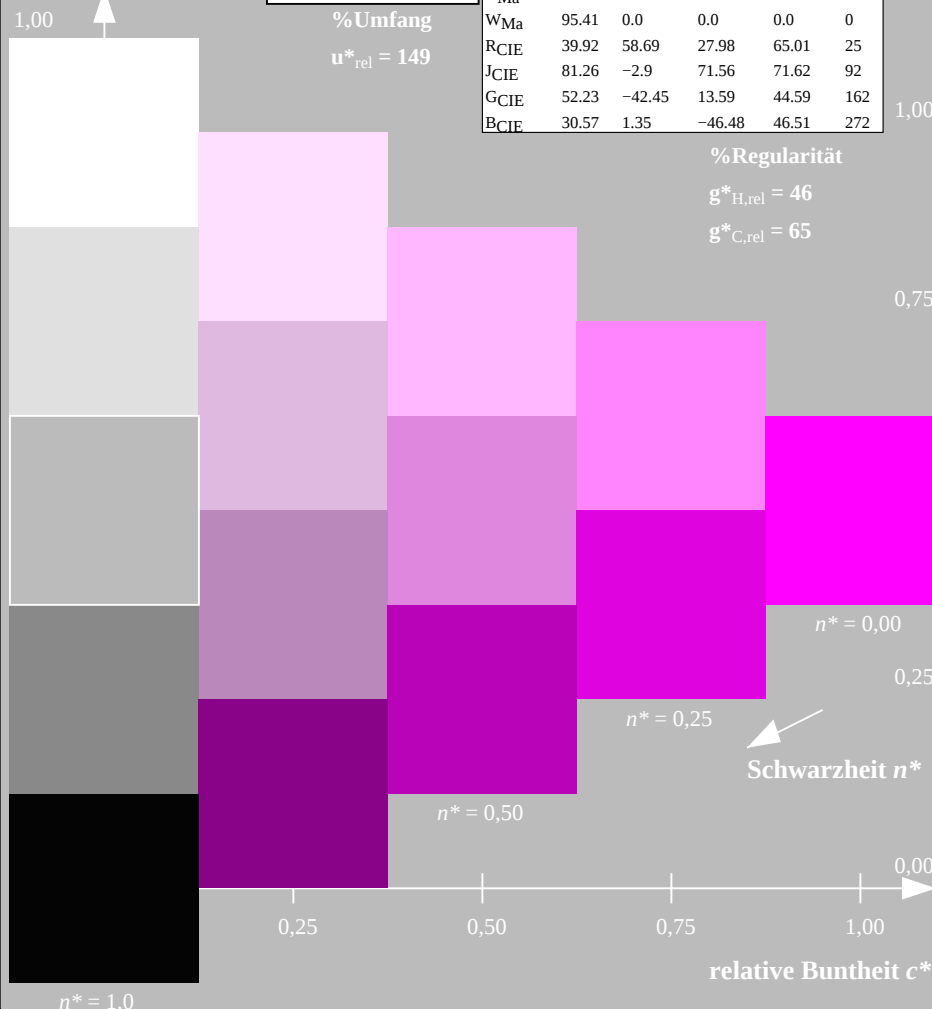


NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

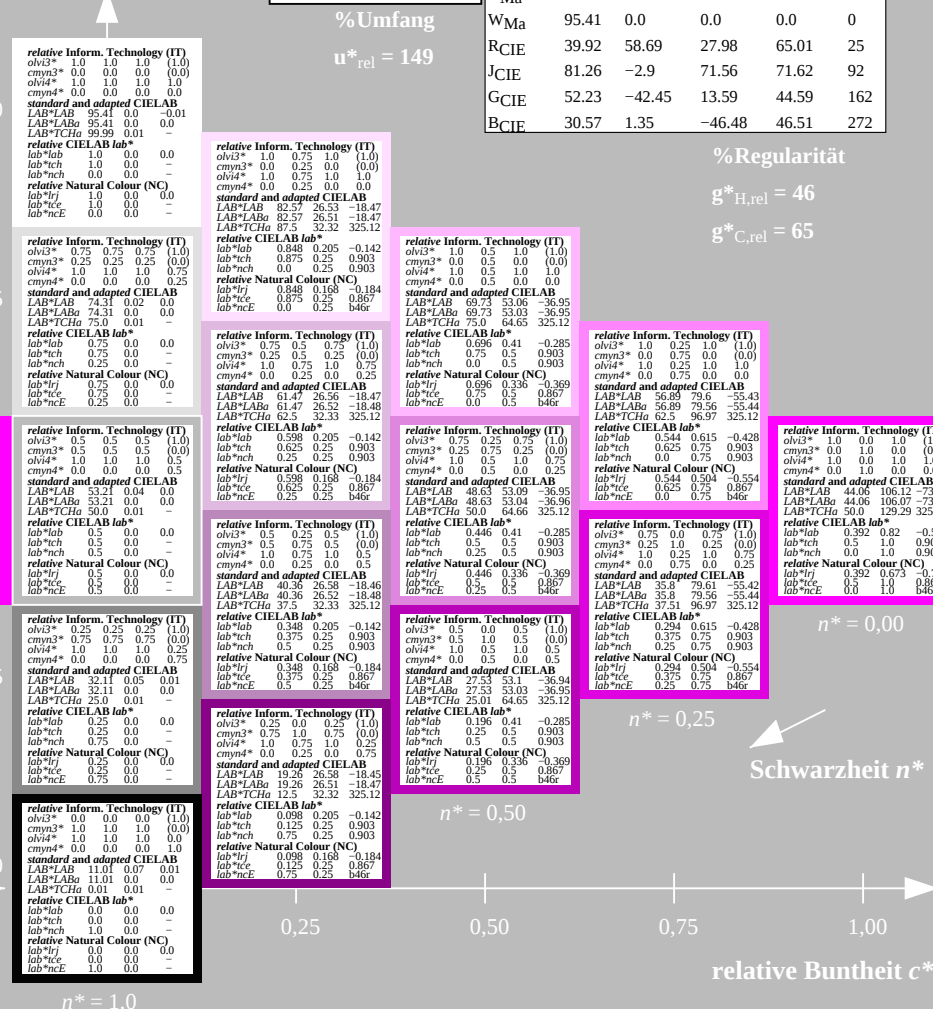
$g^*_{C,rel} = 65$



UG490-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

BAM-Prüfvorlage UG49; Farbmimetrik-Systeme NCS11a & NCS11aput: `cmY0* setcmykcolor`

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`



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

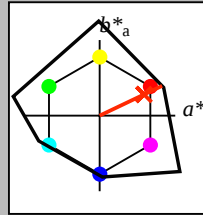
Eingabe: Farbmatisches Reflexions-System NCS11

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



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

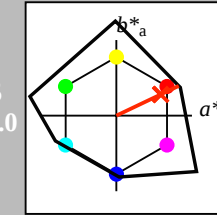
Ausgabe: Farbmatisches Reflexions-System NCS11

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

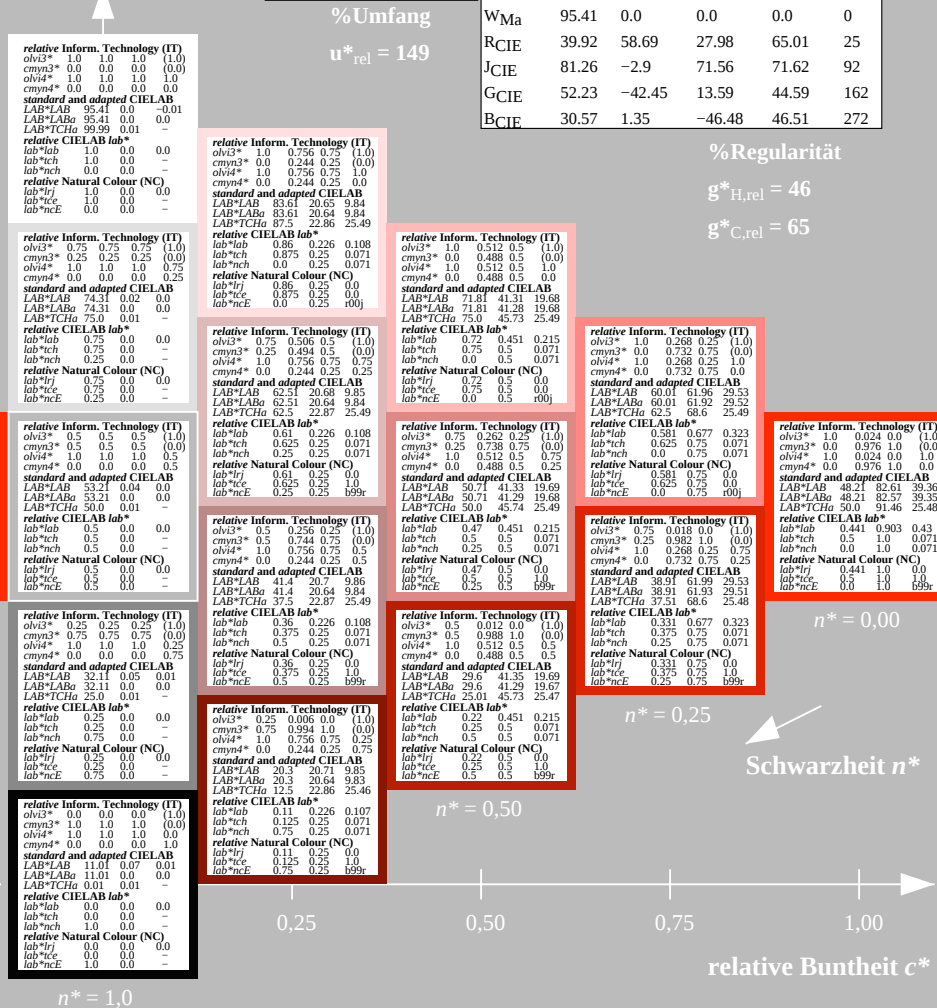
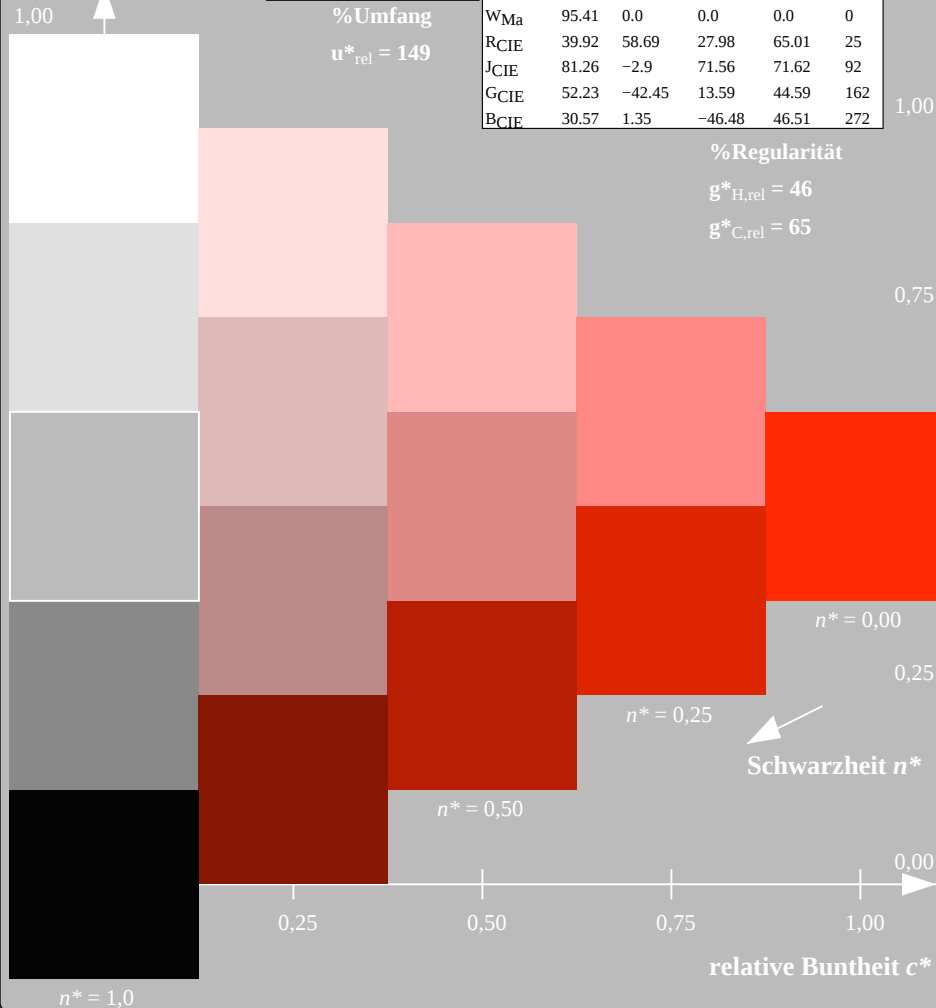


NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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



UG490-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

BAM-Prüfvorlage UG49; Farbmatrik-Systeme NCS11a & NCS11aput: `cmY0* setcmYkcolor`

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmimetrisches Reflexions-System NCS11

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

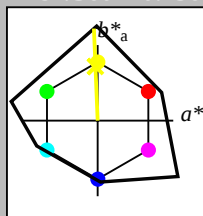
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

UG490-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

BAM-Prüfvorlage UG49; Farbmimetrische-Systeme NCS11a & NCS11aput: `cmv0* setcmvcolor`

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`

Ausgabe: Farbmimetrisches Reflexions-System NCS11

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

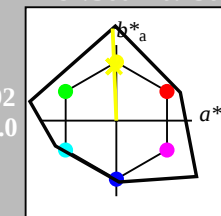
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

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

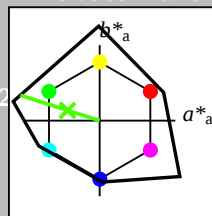
Eingabe: Farbmimetrisches Reflexions-System NCS11

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



NCS11; adaptierte CIELAB-Daten					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

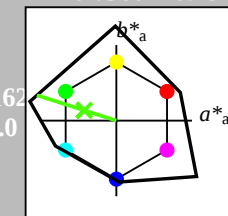
Ausgabe: Farbmimetrisches Reflexions-System NCS11

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



NCS11; adaptierte CIELAB-Daten					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

UG490-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Prüfvorlage UG49; Farbmimetrik-Systeme NCS11a & NCS11aput: $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $lab^* setrgbcolor / w^* setgray$

Eingabe: Farbmimetrisches 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

1,00

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

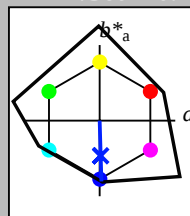
relative Buntheit c^*

0,25

0,50

0,75

1,00



NCS11; adaptierte CIELAB-Daten					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

Ausgabe: Farbmimetrisches 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

1,00

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

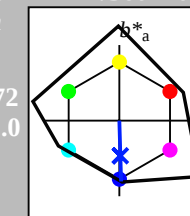
relative Buntheit c^*

0,25

0,50

0,75

1,00



NCS11; adaptierte CIELAB-Daten					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

0,25

0,50

0,75

1,00

UG490-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage UG49; Farbmimetrik-Systeme NCS11a & NCS11aput: `cmv0* setcmvcolor`

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`