

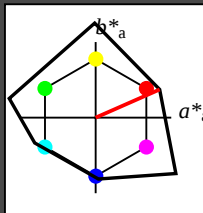
Eingabe: Farbmatisches Reflexions-System NCS11

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



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

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

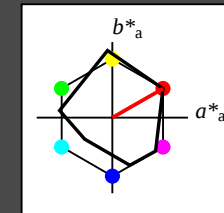
Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 50 77 30
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage UG48; Farbmatrik-Systeme NCS11a & MRS18

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: `cmv0* setcmvcolor`
output: `olv* setrgbcolor / w* setgray`

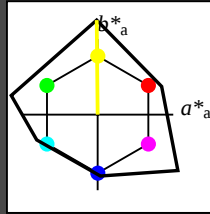
Eingabe: Farbmétrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 91/360 = 0.252$

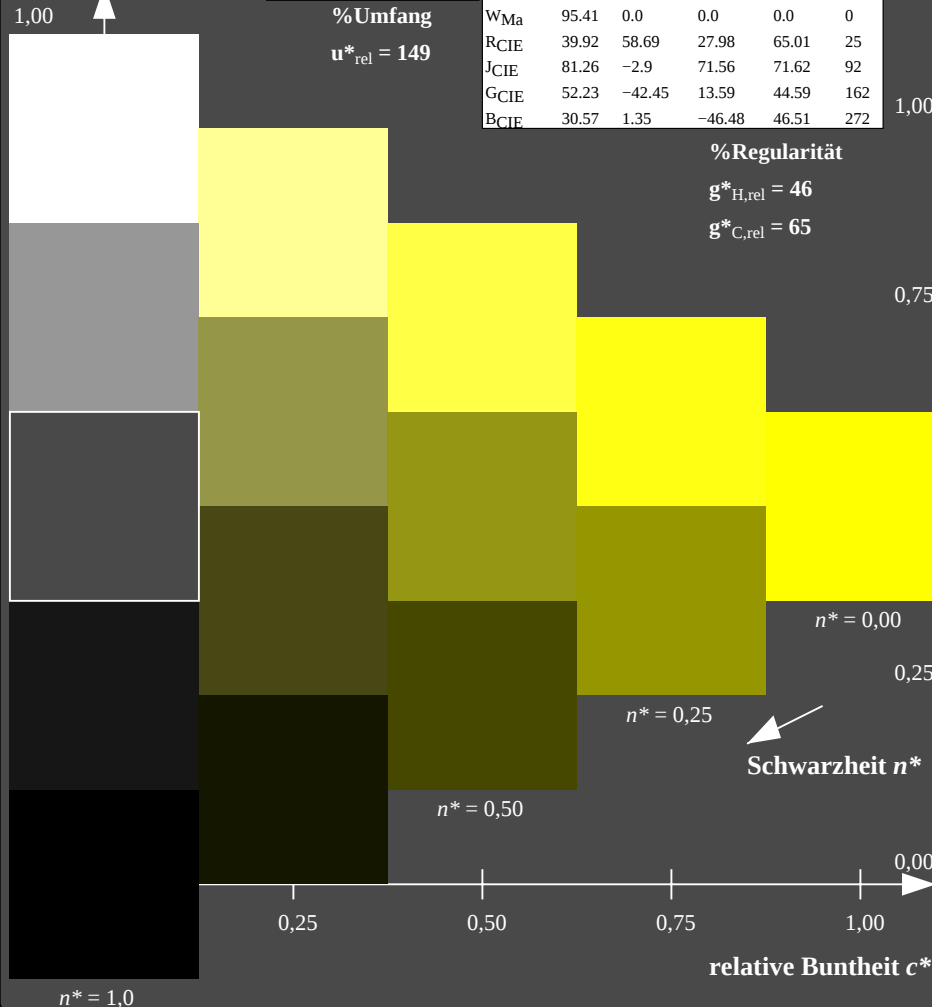
lab*tch und lab*nch

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

Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 149$$


UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (links)

BAM-Prüfvorlage UG48; Farbmeter-Systeme NCS11a & MRS18 Input: *cmy0* setcmykcolor*

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

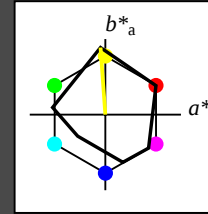
Ausgabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$

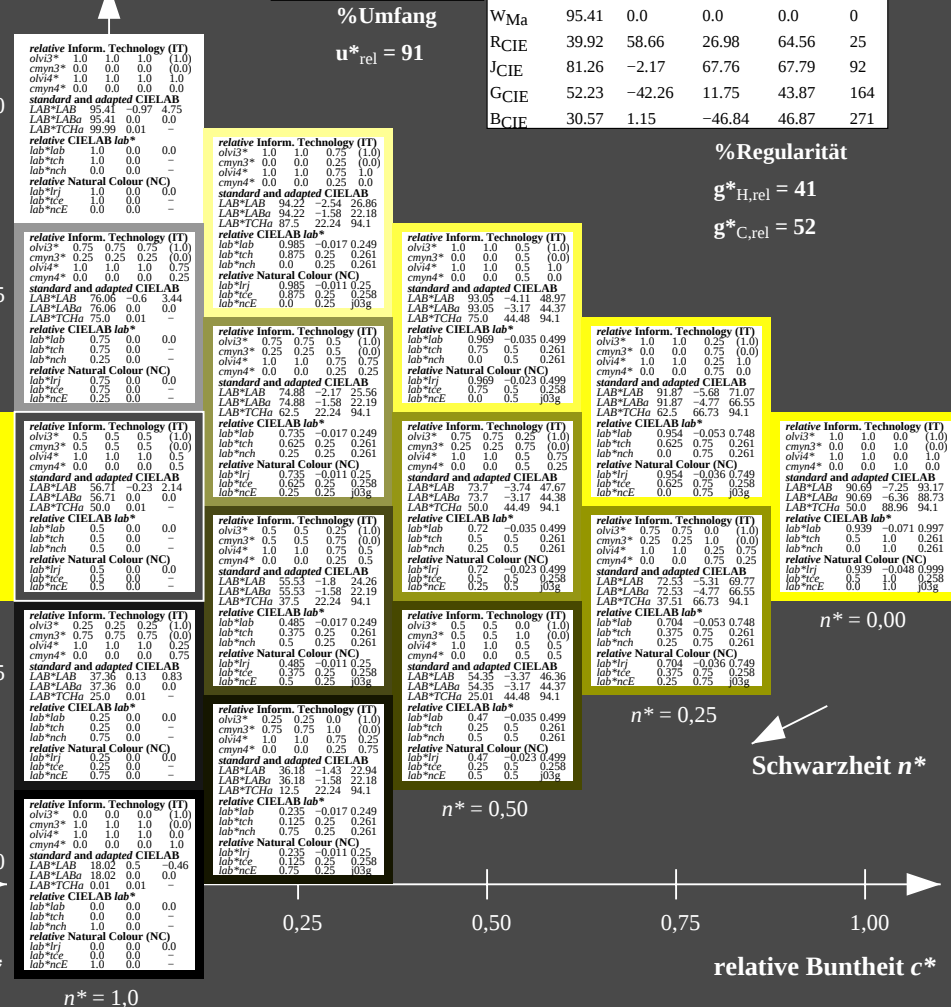
lab*tch und lab*nch

D65: Buntton J
LCH*Ma: 91 89 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 91$$


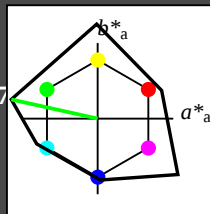
5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.261$ (rechts)

Eingabe: Farbmimetrisches 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

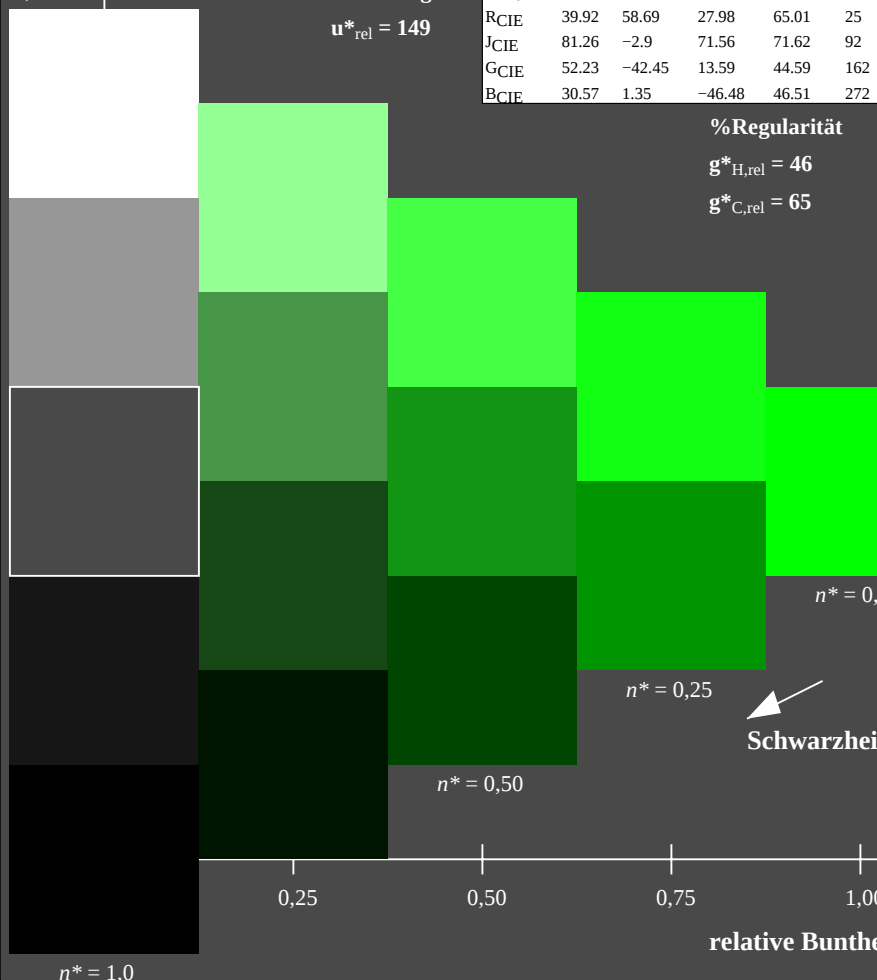
Dreiecks-Helligkeit



1,00

%Umfang

$u^*_{rel} = 149$



UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

BAM-Prüfvorlage UG48; Farbmimetrik-Systeme NCS11a & MRS18

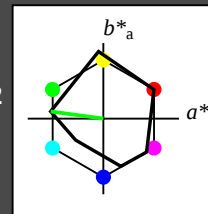
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$
 lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

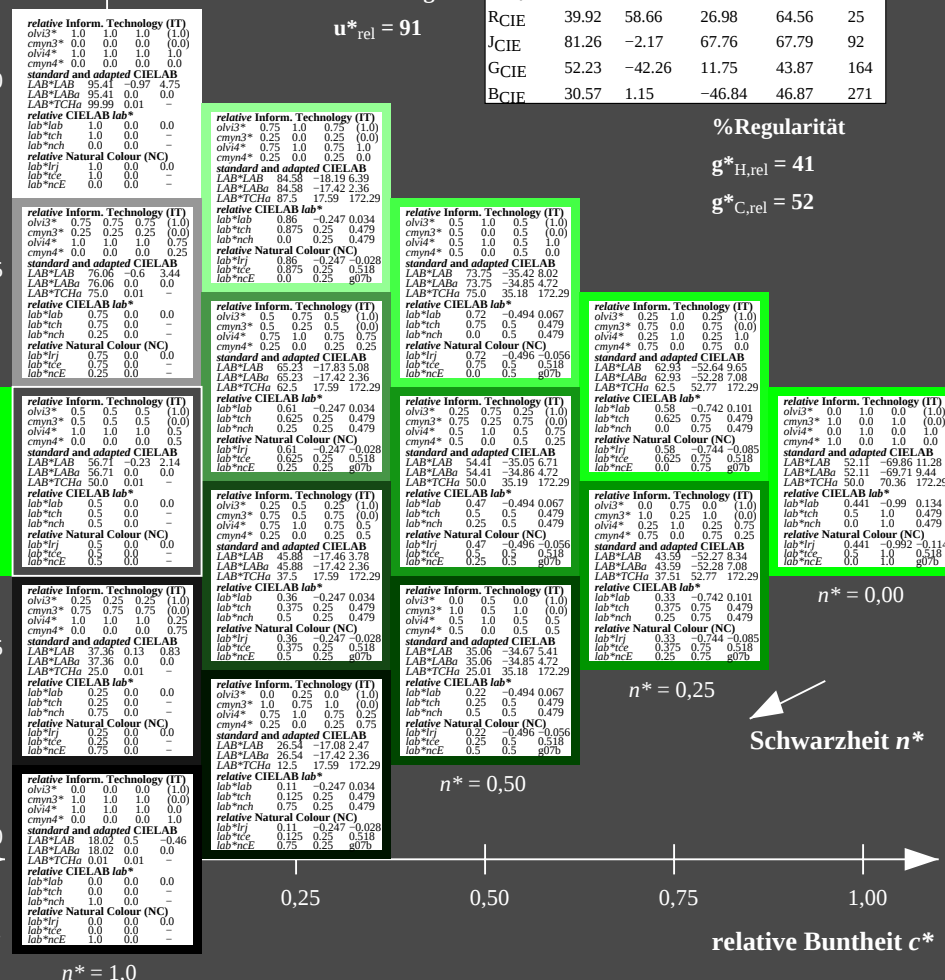
Dreiecks-Helligkeit



1,00

%Umfang

$u^*_{rel} = 91$



5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (rechts)

BAM-Prüfvorlage UG48; Farbmimetrik-Systeme NCS11a & MRS18

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

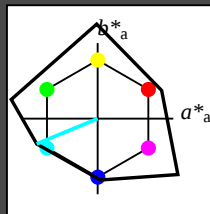
Eingabe: Farbmatisches Reflexions-System NCS11

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



%Umfang

$u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

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0,75

1,00

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0,50

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1,00

0,25

0,50

0,75

1,00

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

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

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

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

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0,75

1,00

0,25

0,50

0,75

1,00

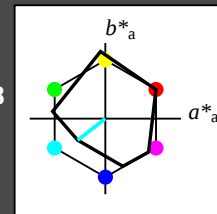
Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$

lab^*tch und lab^*nch

D65: Buntton G50B
LCH*Ma: 45 46 218
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

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0,75

1,00

0,25

0,50

0,75

1,00

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

Eingabe: Farbmétrisches Reflexions-System NCS11

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

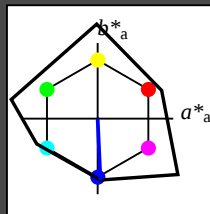
lab*tch und lab*nch

D65: Buntton B

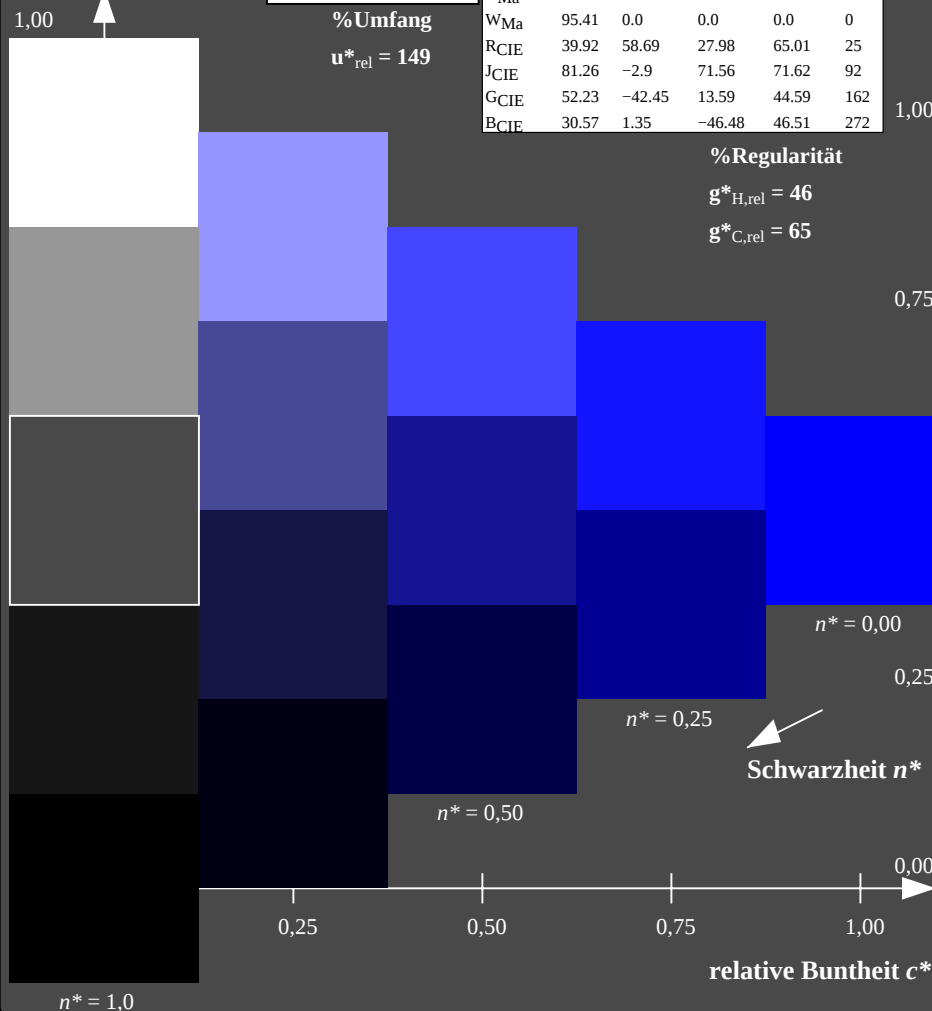
LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 149$$


UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton $273/360 = 0.757$ (links)

BAM-Prüfvorlage UG48; Farbmeter-Systeme NCS11a & MRS18 Input: *cmy0* setcmykcolor*

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

Ausgabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

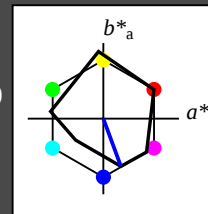
lab*tch und lab*nch

D65: Buntton B

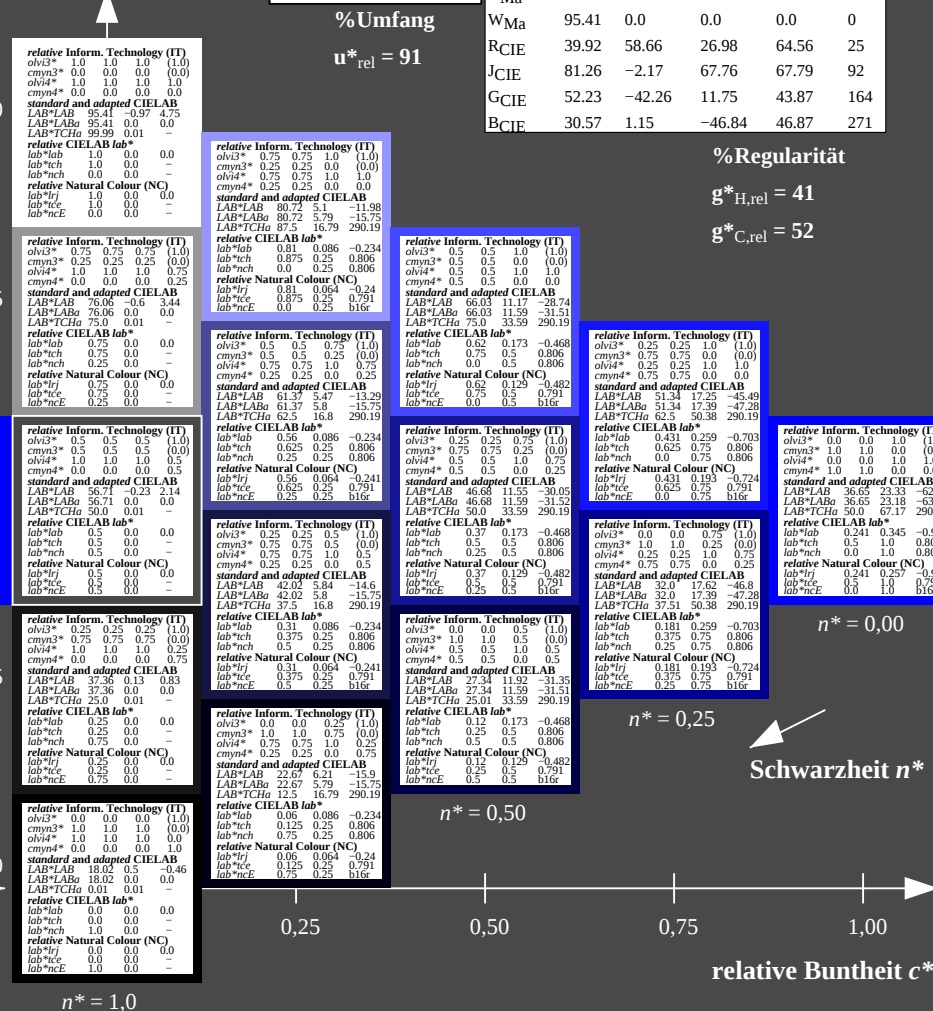
LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 91$$
5 stufige Reihen für konstanten CIELAB Buntton $290/360 = 0.806$ (rechts)

```
1a & MRS18 Input: cmy0* setcmykcolor
```

10 Bunttöneoutput: *olv** *setrgbcolor* / *w** *setgray*

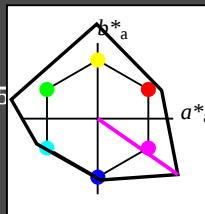
Eingabe: Farbmatisches Reflexions-System NCS11

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



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

%Umfang

$u^*_{rel} = 91$

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*LAB	95.41	0.0	0.0		
LAB*TCh	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		
relative Natural Colour (NC)					
lab*nc	1.0	0.0	0.0		
lab*nch	0.0	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	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LAB	76.06	0.0	0.0		
LAB*TCh	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		
relative Natural Colour (NC)					
lab*nc	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*LAB	56.71	0.0	0.0		
LAB*TCh	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		
relative Natural Colour (NC)					
lab*nc	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(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	41.59	14.34	-9.93		
LAB*LAB	41.59	14.34	-9.93		
LAB*TCh	37.5	18.08	32.25		
relative CIELAB lab*					
lab*lab	0.305	0.198	-0.152		
lab*tch	0.305	0.198	-0.152		
lab*nch	0.25	0.25	0.895		
lab*trj	0.305	0.198	-0.152		
relative Natural Colour (NC)					
lab*nc	0.25	0.25	0.895		
lab*nch	0.25	0.25	0.895		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	26.46	28.92	22.01		
LAB*LAB	26.46	28.92	22.01		
LAB*TCh	25.0	36.15	32.25		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*nc	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	18.02	0.5	-0.46		
LAB*LAB	18.02	0.0	0.0		
LAB*TCh	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	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*nc	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	12.5	18.07	32.25		
LAB*LAB	12.5	18.07	32.25		
LAB*TCh	12.5	18.07	32.25		
relative CIELAB lab*					
lab*lab	0.055	0.198	-0.152		
lab*tch	0.125	0.25	0.895		
lab*nch	0.0	0.0	0.0		
lab*trj	0.055	0.198	-0.152		
relative Natural Colour (NC)					
lab*nc	0.055	0.198	-0.152		
lab*nch	0.055	0.198	-0.152		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	0.0	0.0	0.0		
LAB*LAB	0.0	0.0	0.0		
LAB*TCh	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	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*nc	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	0.0	0.0	0.0		
LAB*LAB	0.0	0.0	0.0		
LAB*TCh	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	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*nc	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	0.0	0.0	0.0		
LAB*LAB	0.0	0.0	0.0		
LAB*TCh	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	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*nc	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	0.0	0.0	0.0		
LAB*LAB	0.0	0.0	0.0		
LAB*TCh	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	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*nc	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	0.0	0.0	0.0		
LAB*LAB	0.0	0.0	0.0		
LAB*TCh	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	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*nc					

Eingabe: Farbmétrisches Reflexions-System NCS11

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

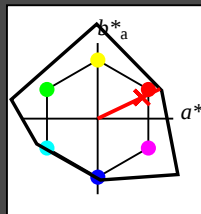
lab*tch und lab*nch

D65: Buntton R

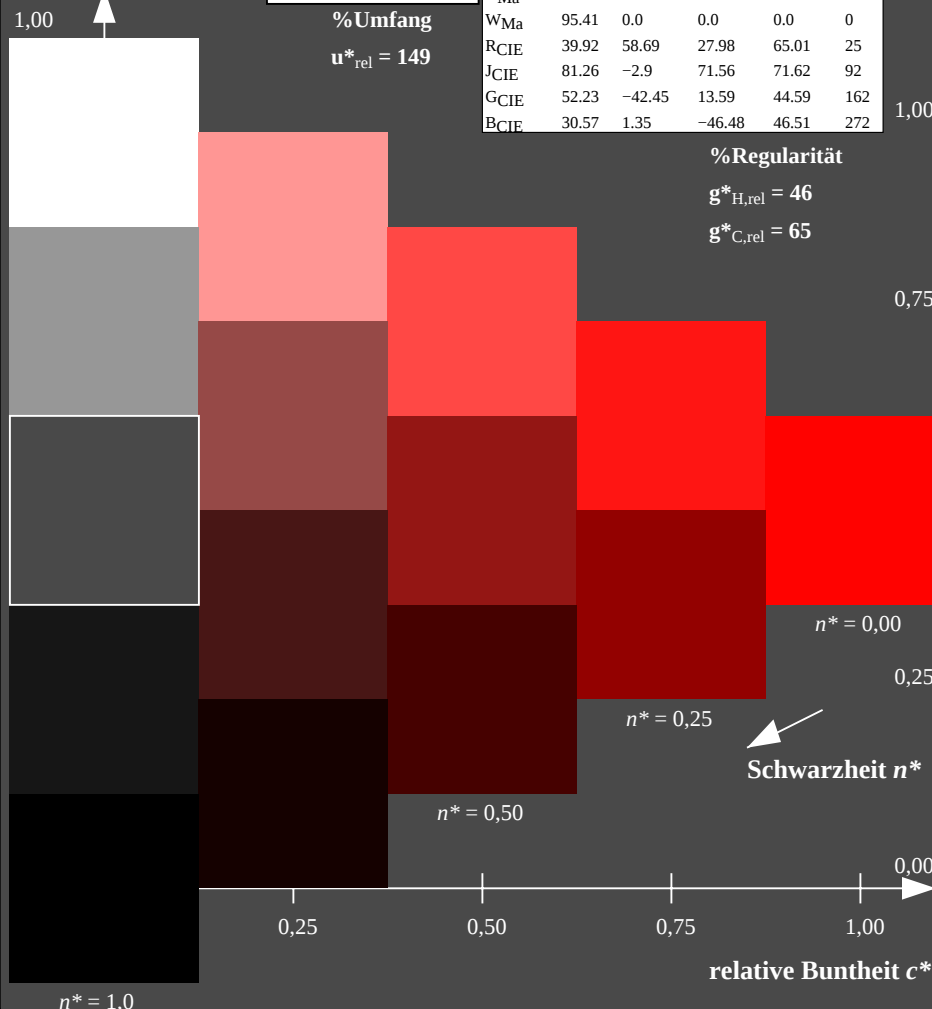
LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 149$$


UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

BAM-Prüfvorlage UG48: Farbmimetrik-Systeme NCS11a & MRS18

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

Ausgabe: Farbmétrisches Reflexions-System MRS18

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

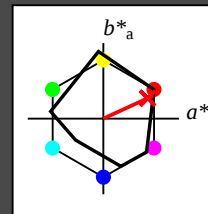
lab*tch und lab*nch

D65: Buntton R

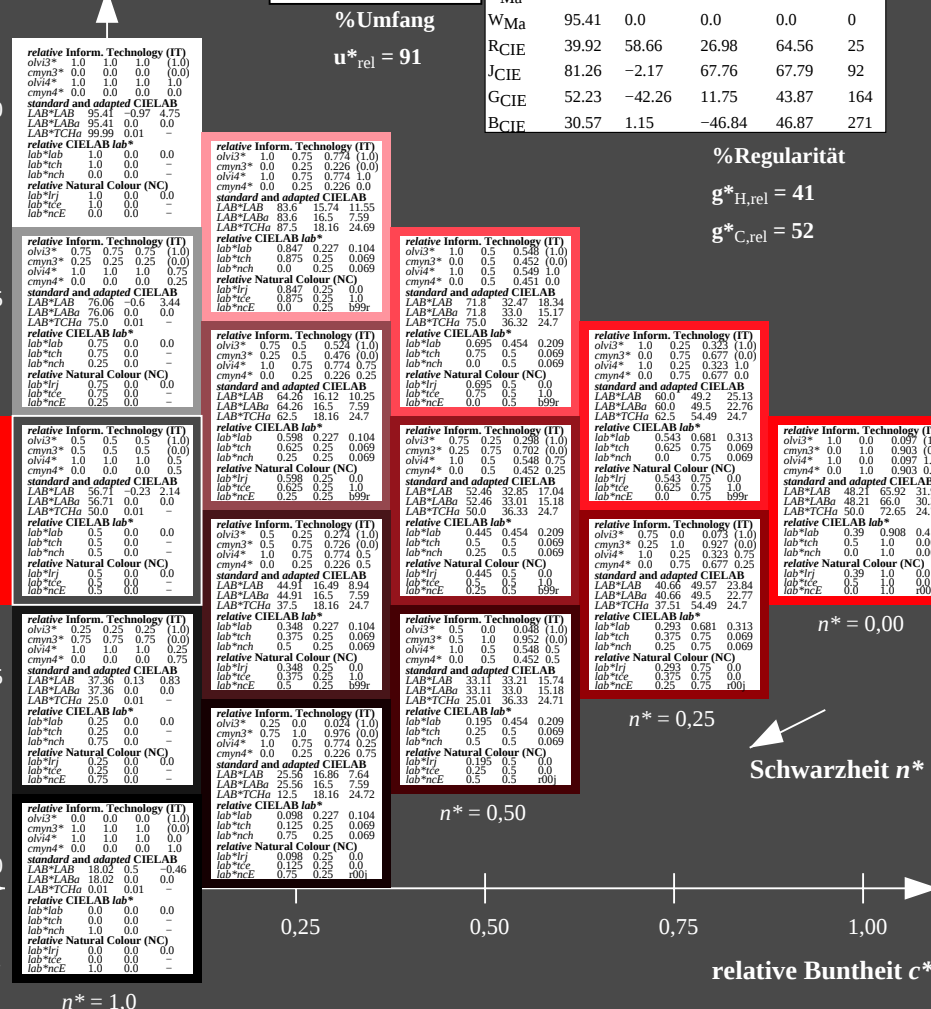
LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 91$$
5 stufige Reihen für konstanten CIELAB Buntton $25/360 = 0.069$ (rechts)

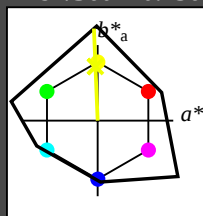
Eingabe: Farbmatisches Reflexions-System NCS11

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

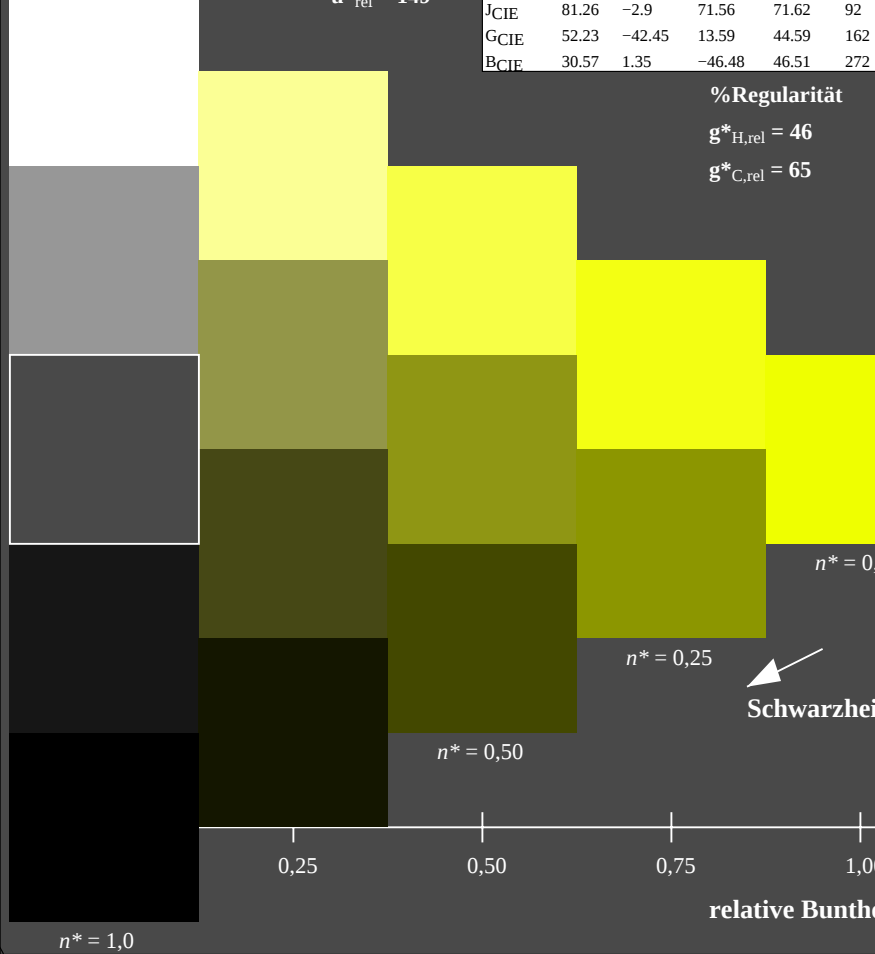
Dreiecks-Helligkeit



1,00

%Umfang

$u^*_{rel} = 149$



UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

BAM-Prüfvorlage UG48; Farbmatrik-Systeme NCS11a & MRS18
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
output: `cmv0* setcmvcolor`
output: `olv* setrgbcolor / w* setgray`

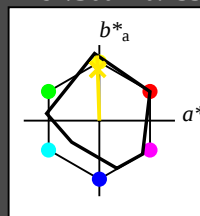
Ausgabe: Farbmatisches Reflexions-System MRS18

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

lab^*tch und lab^*nch

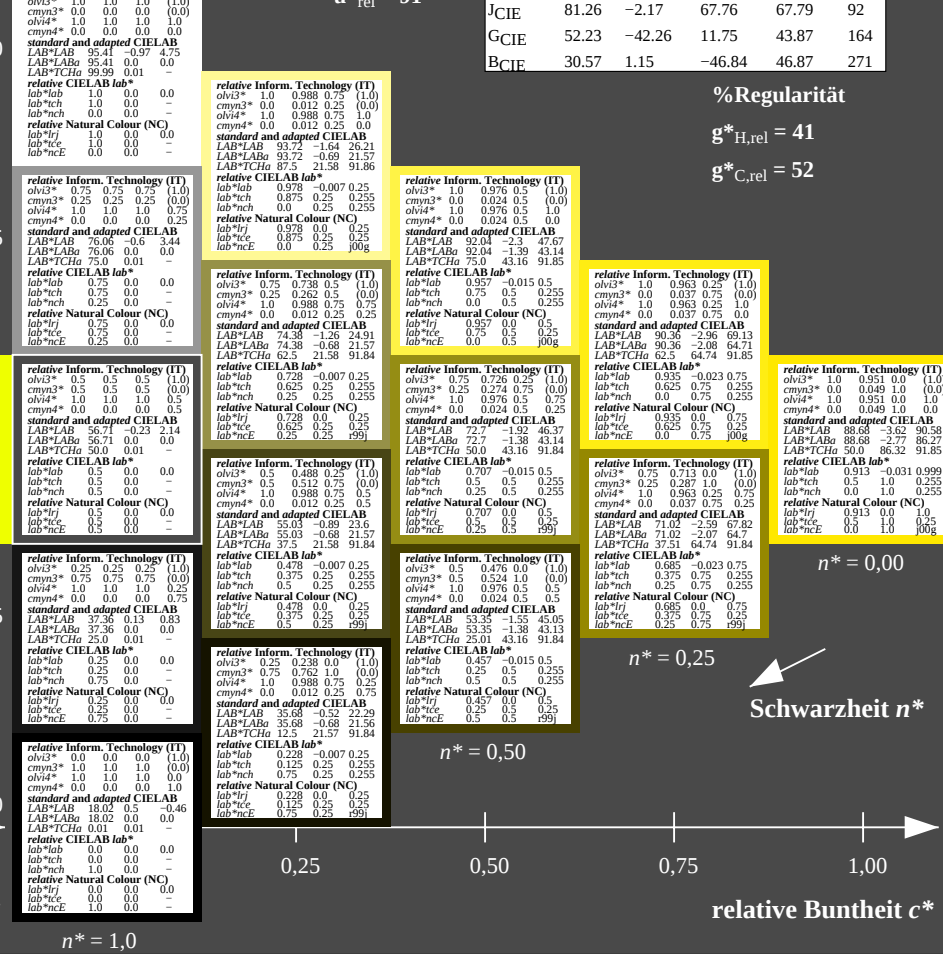
D65: Buntton J
LCH*Ma: 89 86 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

Eingabe: Farbmétrisches Reflexions-System NCS11

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

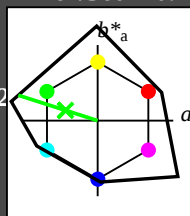
lab*tch und lab*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit

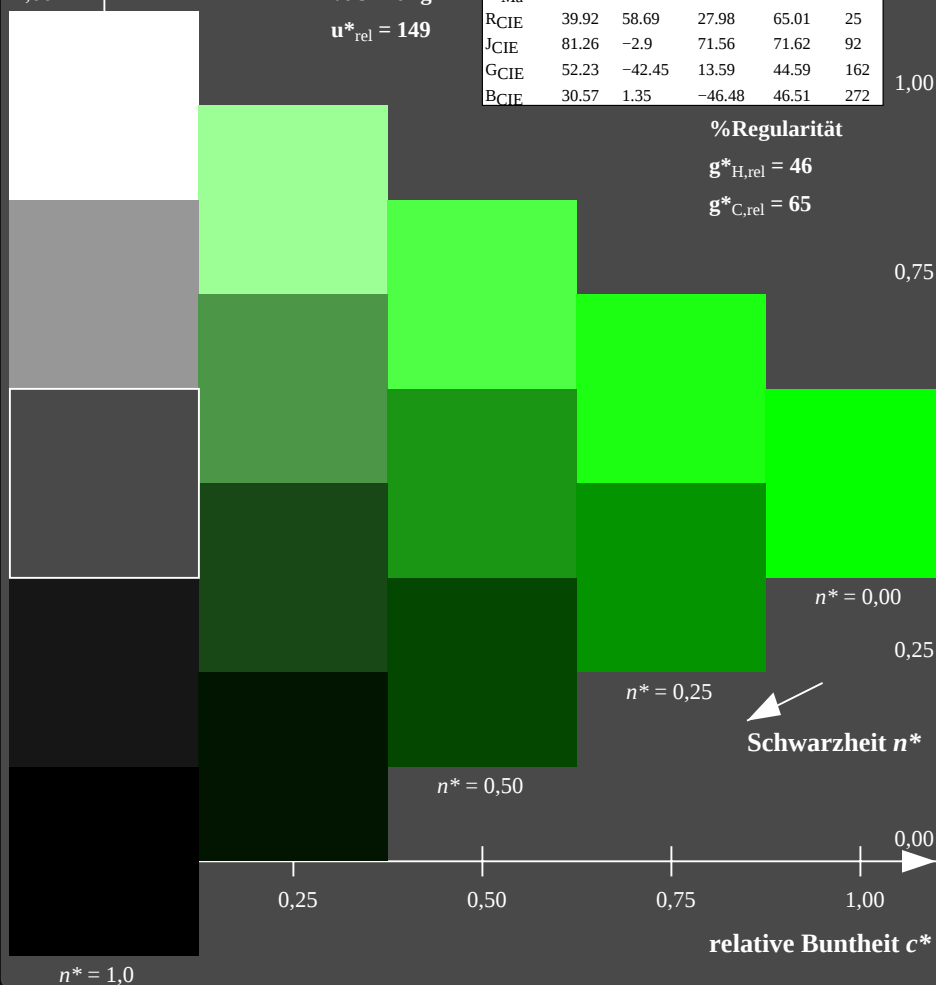


%Umfang

$$\mathbf{u}_{rel}^* = 149$$

NCS11; adaptierte CIELAB-Daten					
	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
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	-82.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

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


UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton $162/360 = 0.451$ (links)

BAM-Prüfvorlage UG48; Farbmeter-Systeme NCS11a & MRS18 Input: *cmy0* setcmykcolor*

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

Ausgabe: Farbmétrisches Reflexions-System MRS18

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

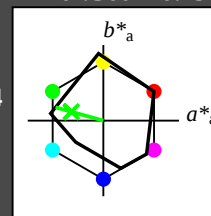
lab*tch und lab*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit

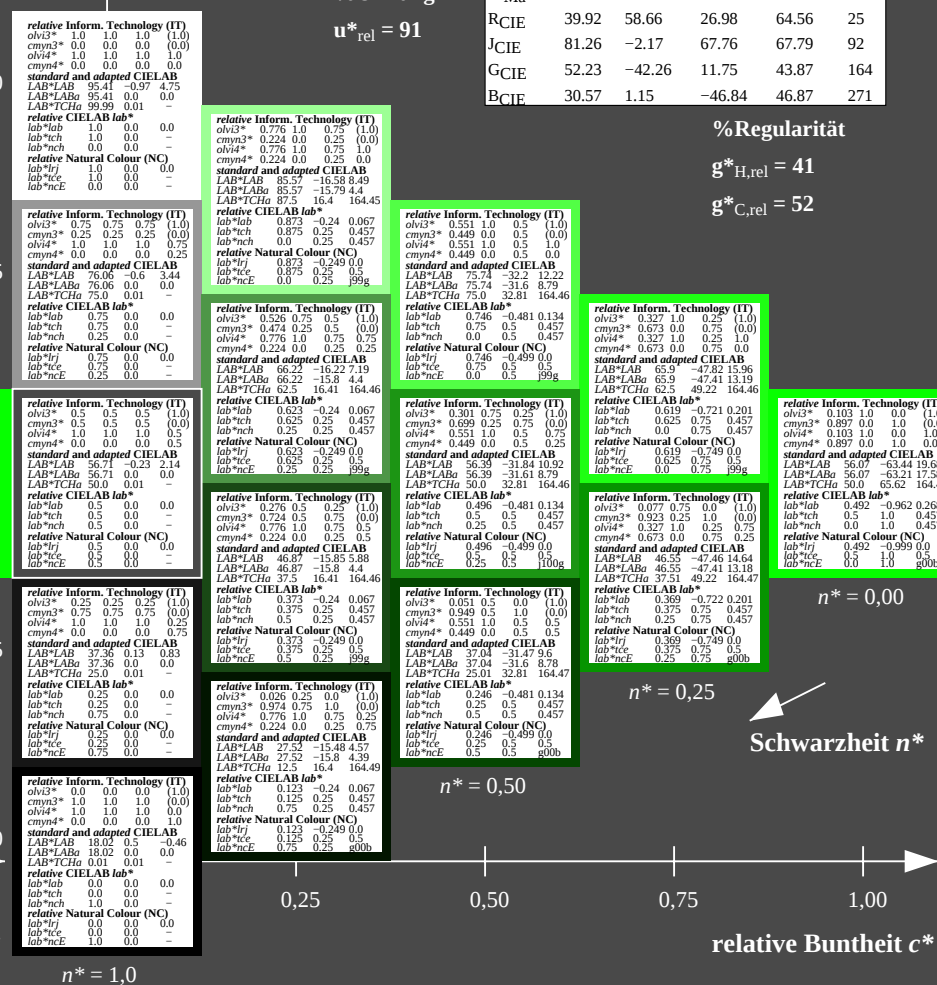


%Umfang

$$u^*_{rel} = 91$$

MRS18; adaptierte CIELAB-Daten					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$$g^*_{H,rel} = 41$$
$$g^*_{C,rel} = 52$$
5 stufige Reihen für konstanten CIELAB Buntton $164/360 = 0.457$ (rechts)

1a & MRS18input: *cmy0** *setcmykcolor*

10 Bunttöneoutput: *olv* setrgbcolor / w* setgray*

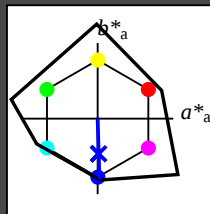
Eingabe: Farbmatisches Reflexions-System NCS11

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

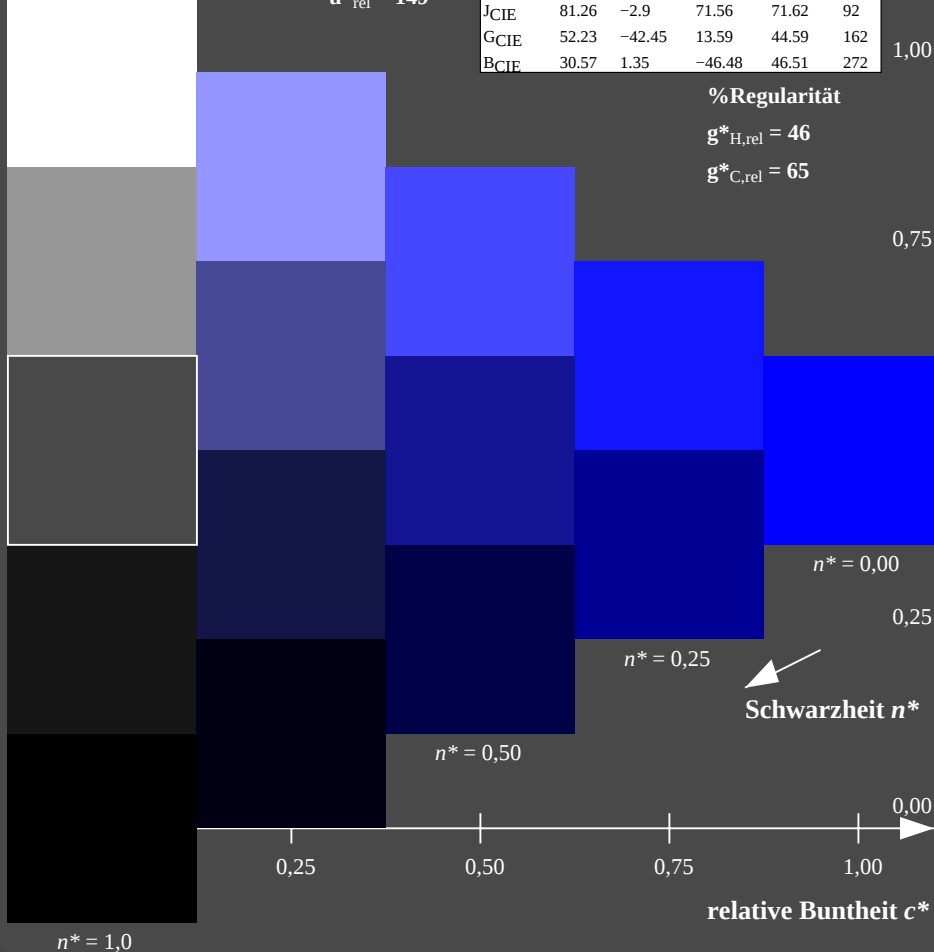
Dreiecks-Helligkeit



1,00

%Umfang

$u^*_{rel} = 149$



UG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

BAM-Prüfvorlage UG48; Farbmatrik-Systeme NCS11a & MRS18

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

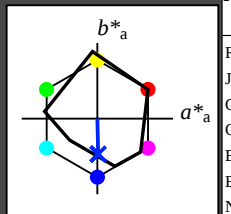
Ausgabe: Farbmatisches Reflexions-System MRS18

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

lab^*tch und lab^*nch

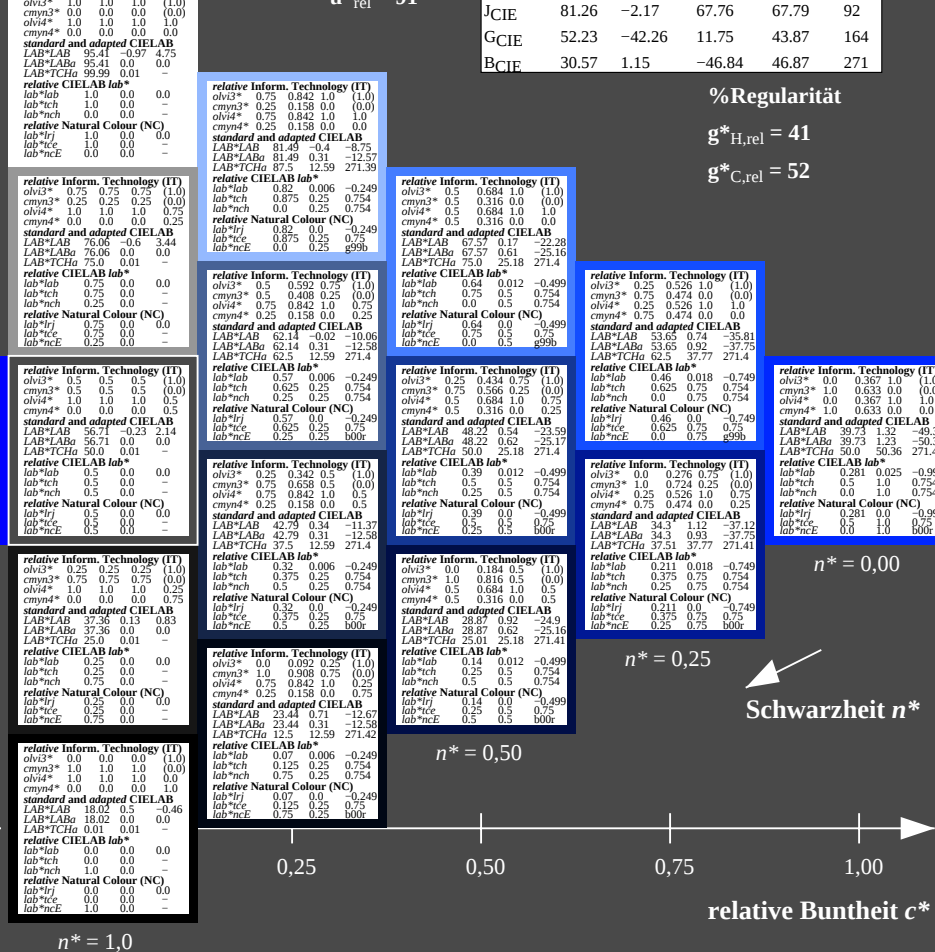
D65: Buntton B
LCH*Ma: 40 50 271
rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



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