

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$

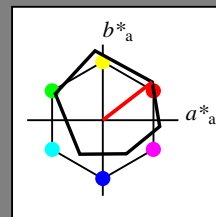
*lab*tch* und *lab*nch*

D65: Buntton O

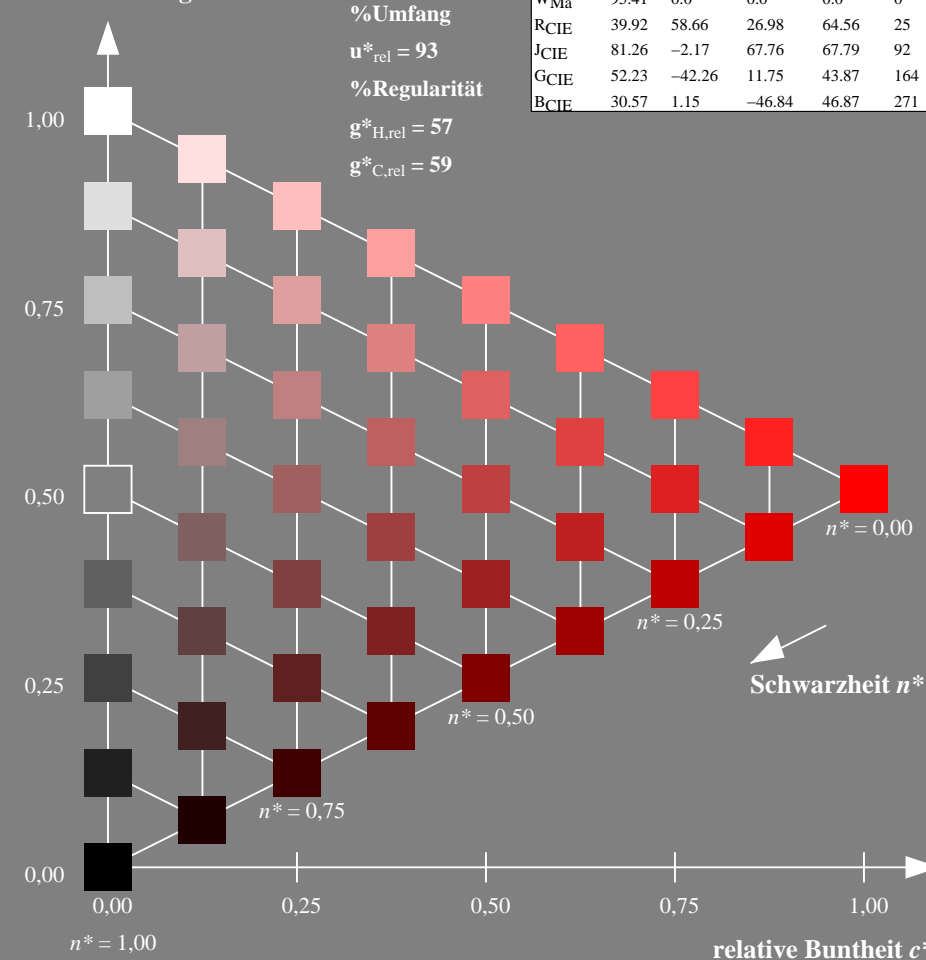
LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



| ORS18; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|----------------|---------|---------|--------------|--------------|
| | $L^*_{*}L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

TG720-7, 9stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

BAM-Prüfvorlage TG72; Farbmimetrik-Systeme ORS18 & ORS18 input: *olv* setrgbcolor*

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$

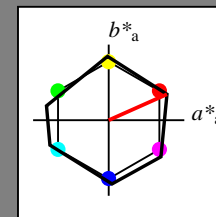
lab*tch und lab*nch

D65: Buntton R

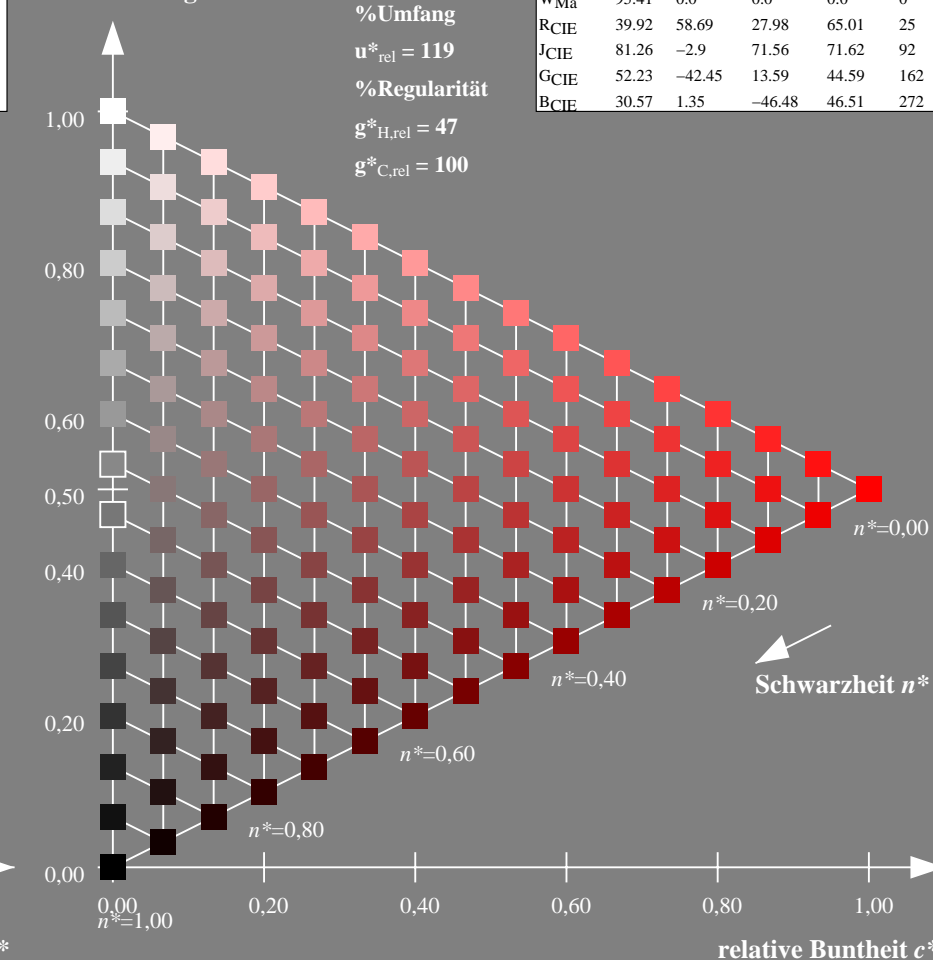
LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



| 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 |

16stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (rechts)

8 input: *olv* setrgbcolor*
output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-System ORS18

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

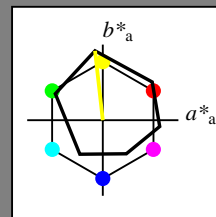
*lab*tch* und *lab*nch*

D65: Buntton Y

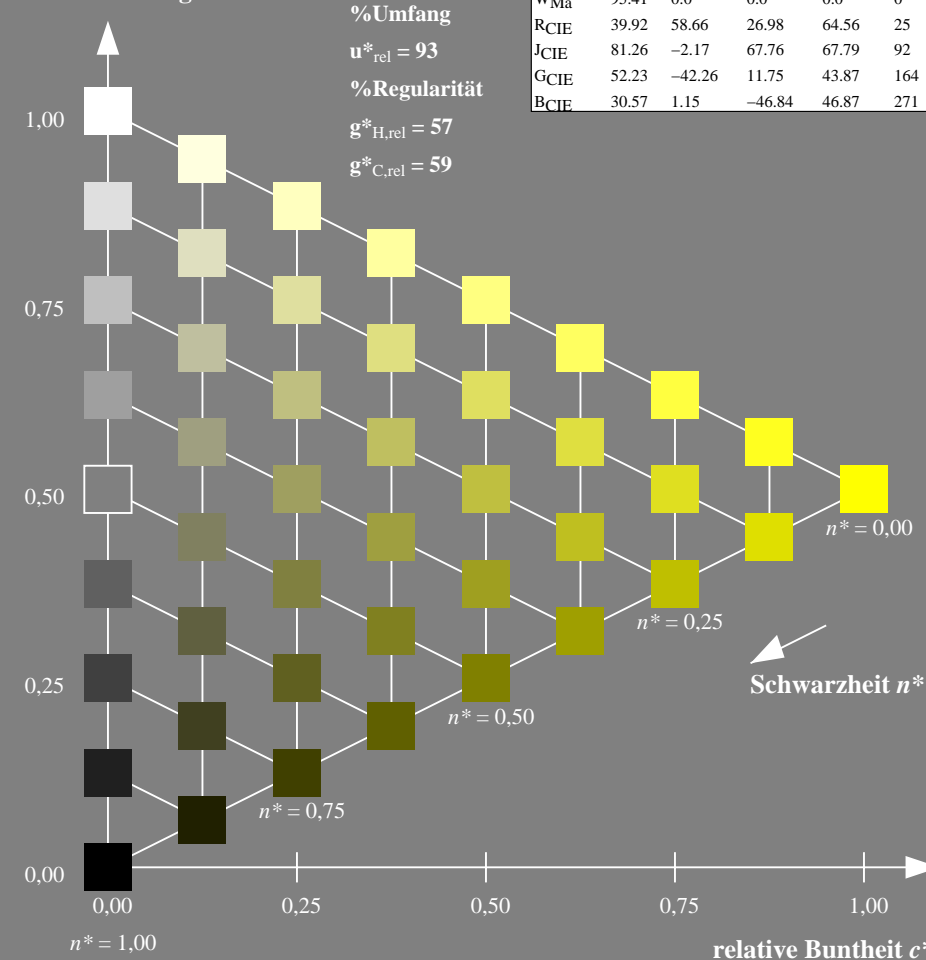
LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L_a^* a_a^*$ | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ | |
|------|-------------------|---------|--------------|--------------|-----|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

BAM-Prüfvorlage TG72; Farbmimetrik-Systeme ORS18 & ORS18 input: *olv* setrgbcolor*

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System NRS11

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

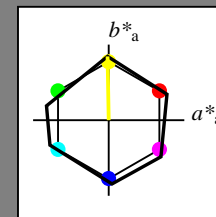
lab*tch und lab*nch

D65: Buntton J

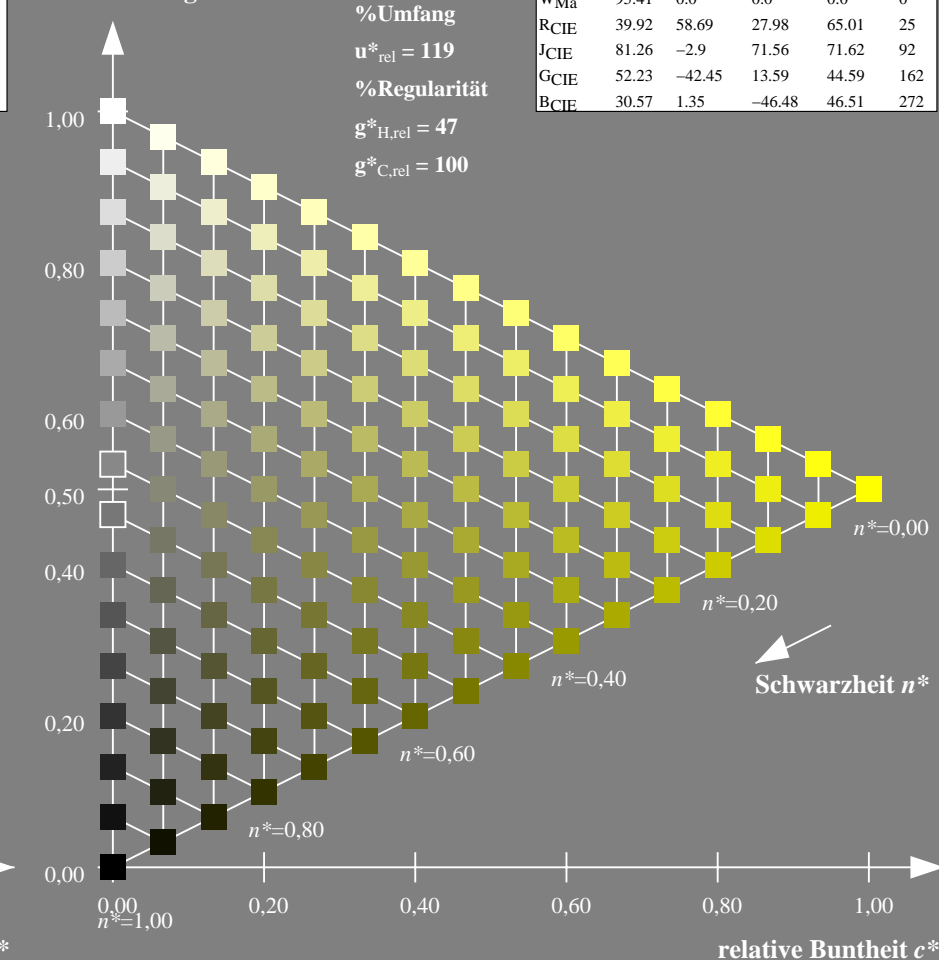
LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*

**NRS11; adaptierte CIELAB-Daten**

| | | $L^*=L_a^* a_a^*$ | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ | |
|------------------|--------------------|-------------------|---------|--------------|--------------|-----|
| 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 | |

16stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

8 input: *olv* setrgbcolor*
output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

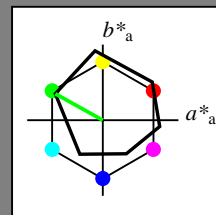
*lab*tch* und *lab*nch*

D65: Buntton L

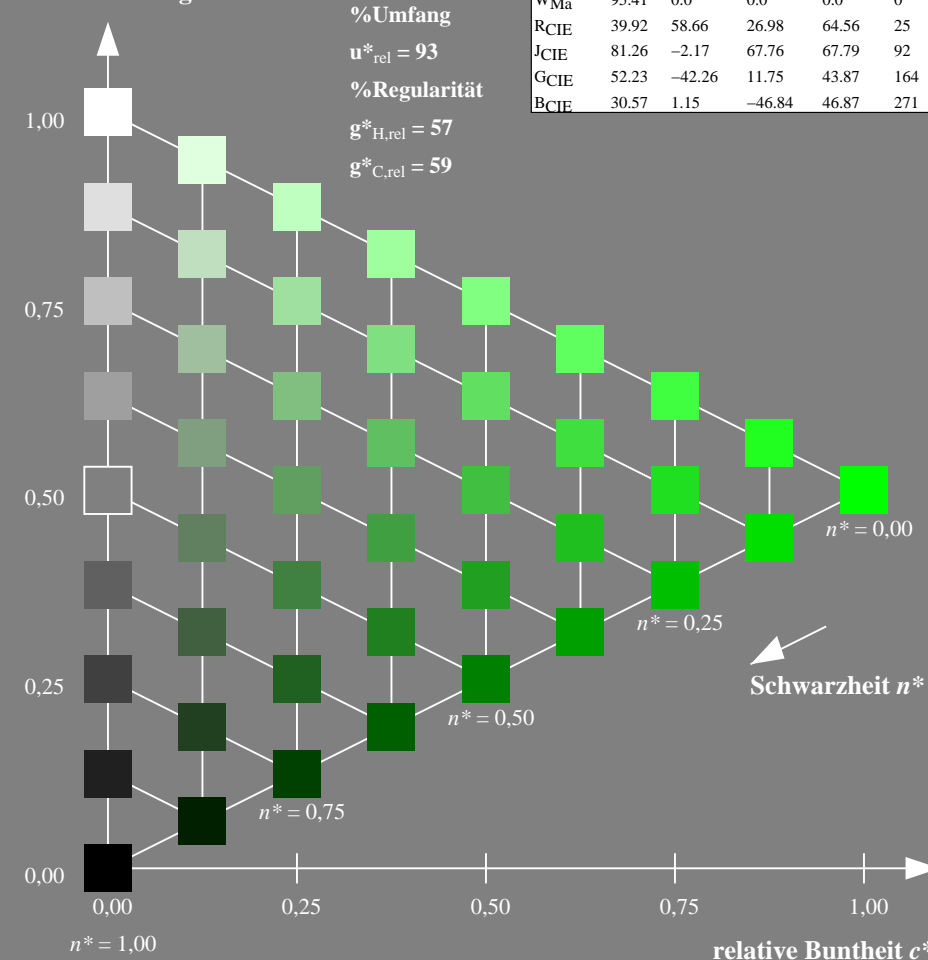
LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L_a^*$ | a_a^* | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton $151/360 = 0.419$ (links)

BAM-Prüfvorlage TG72; Farbmimetrik-Systeme ORS18 & ORS18 input: *olv* setrgbcolor*

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 167/360 = 0.464$

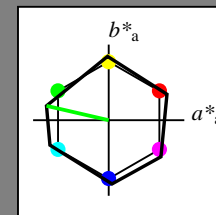
*lab*tch* und *lab*nch*

D65: Buntton G

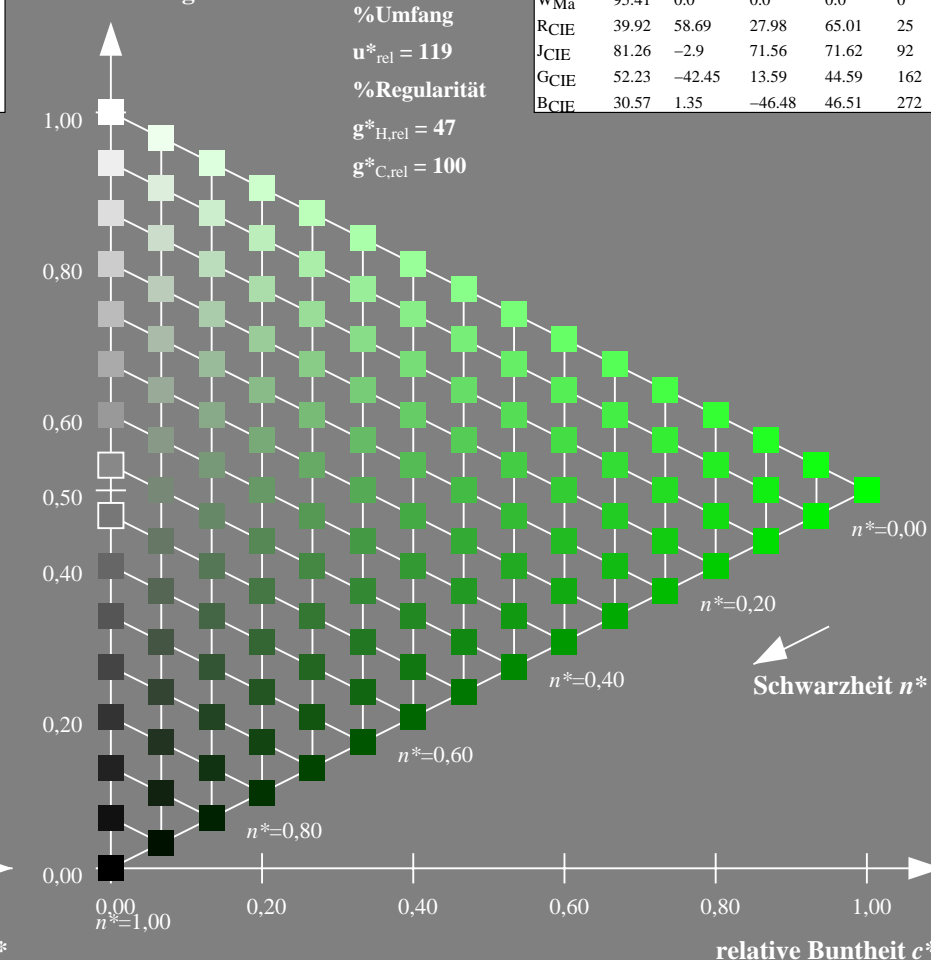
LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*

**NRS11; adaptierte CIELAB-Daten**

| | $L^* = L^*_{\text{a}}$ | a^*_{a} | b^*_{a} | $C^*_{\text{ab,a}}$ | $h^*_{\text{ab,a}}$ |
|--------|------------------------|------------------|------------------|---------------------|---------------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.99 | 162 |
| BCIE | 30.57 | 1.35 | -46.48 | 46.51 | 272 |

16stufige Reihen für konstanten CIELAB Buntton $167/360 = 0.464$ (rechts)

output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 236/360 = 0.656$

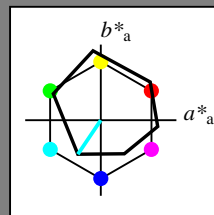
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

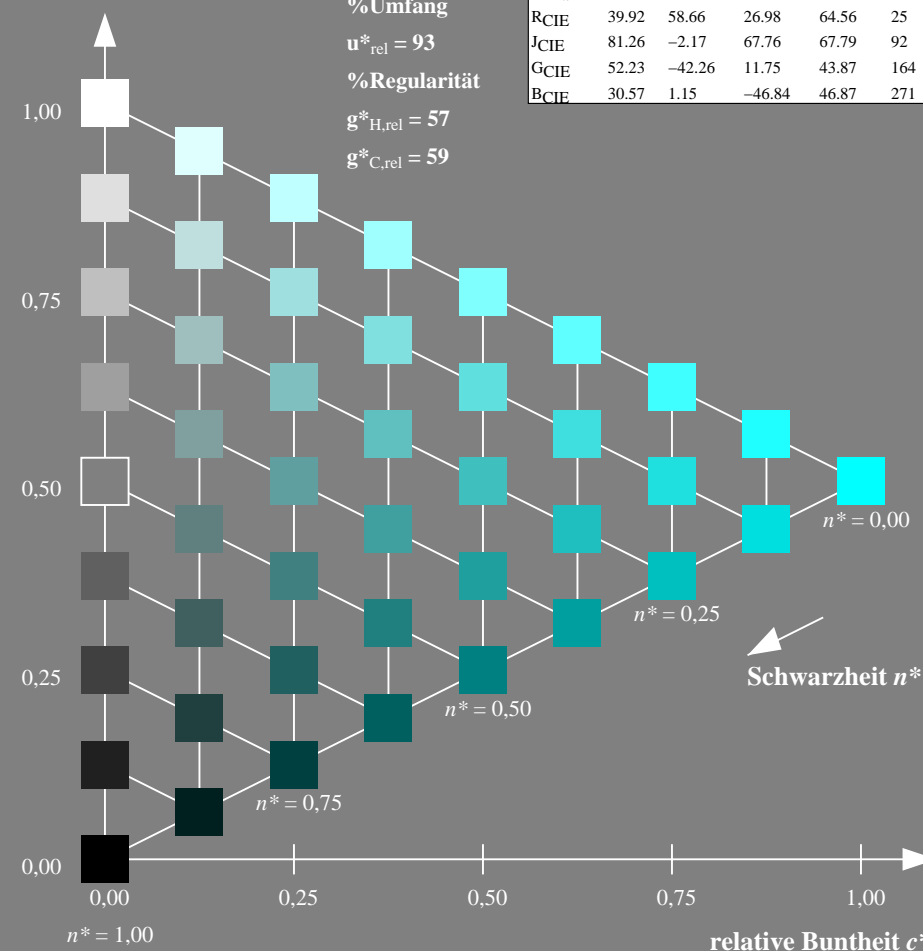
%Regularität

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

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

ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton $236/360 = 0.656$ (links)

BAM-Prüfvorlage TG72; Farbmétrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

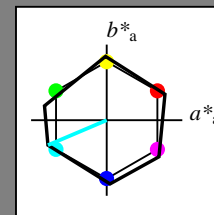
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

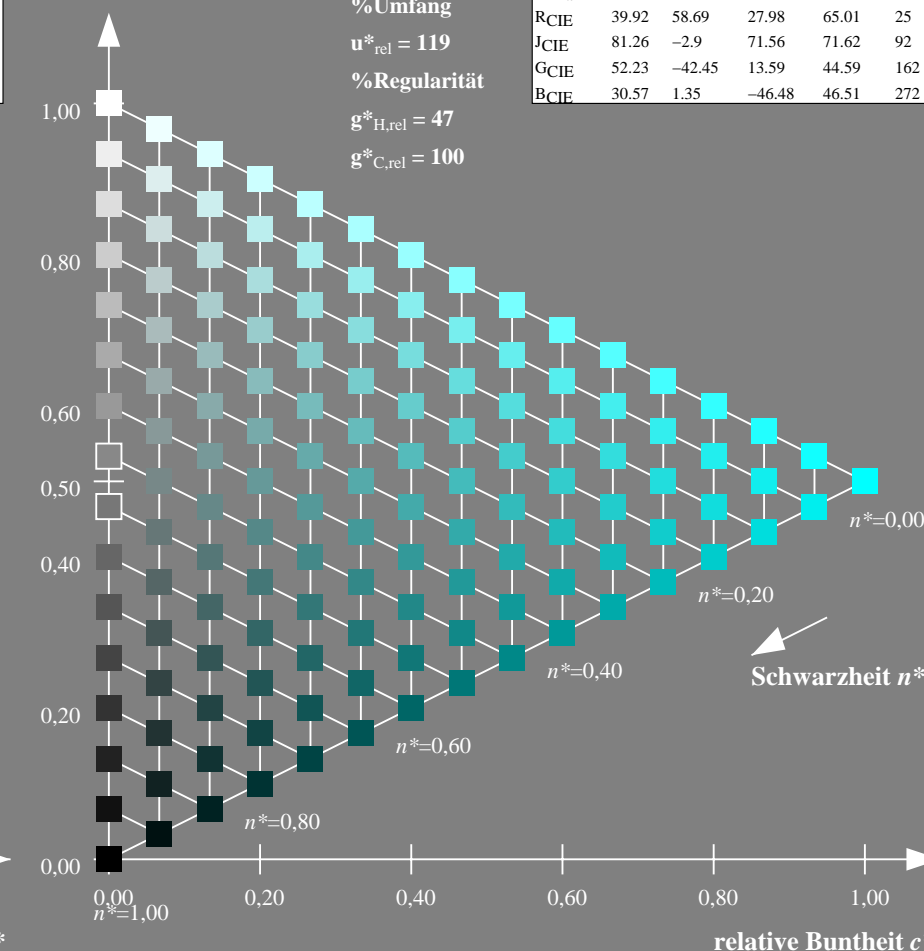
%Regularität

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

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

NRS11; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.59 | 162 |
| BCIE | 30.57 | 1.35 | -46.48 | 46.51 | 272 |



16stufige Reihen für konstanten CIELAB Buntton $203/360 = 0.564$ (rechts)

output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

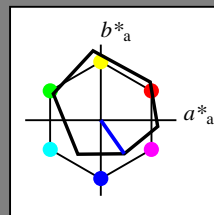
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L_a^*$ | a_a^* | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

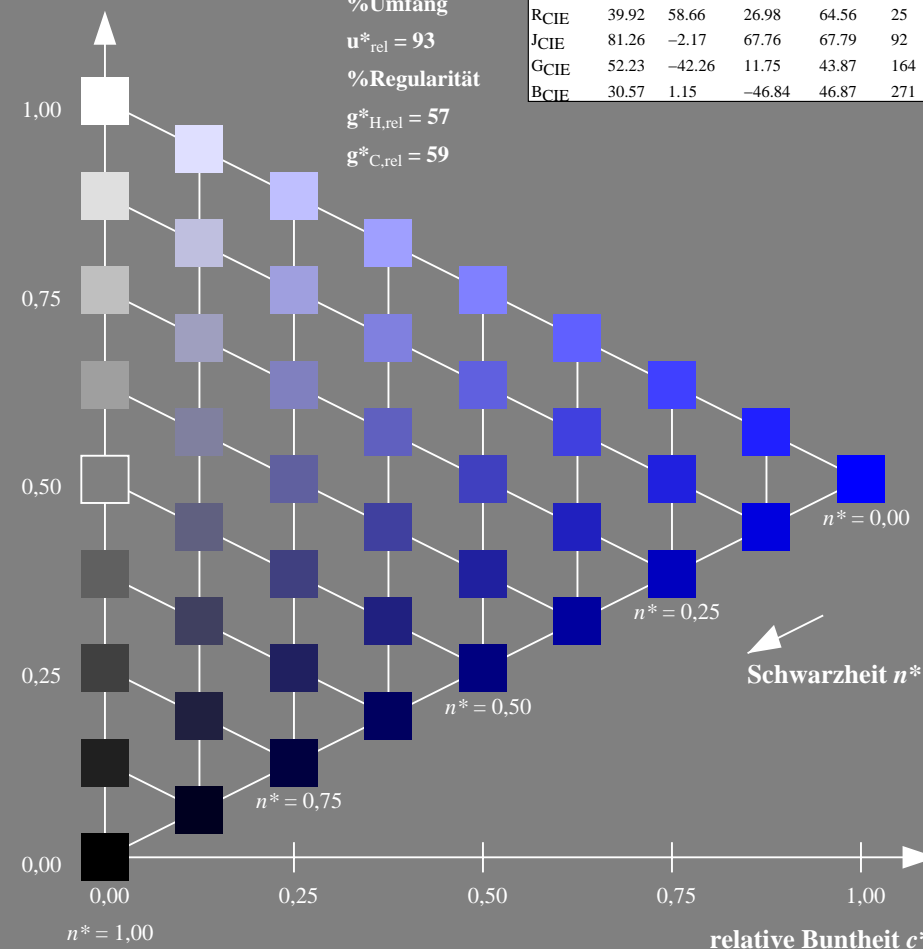
%Umfang

$u_{rel}^* = 93$

%Regularität

$g_{H,rel}^* = 57$

$g_{C,rel}^* = 59$



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

BAM-Prüfvorlage TG72; Farbmétrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

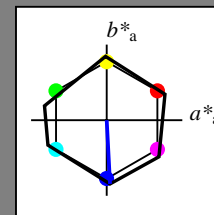
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



NRS11; adaptierte CIELAB-Daten

| | $L^*=L_a^*$ | a_a^* | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.59 | 162 |
| BCIE | 30.57 | 1.35 | -46.48 | 46.51 | 272 |

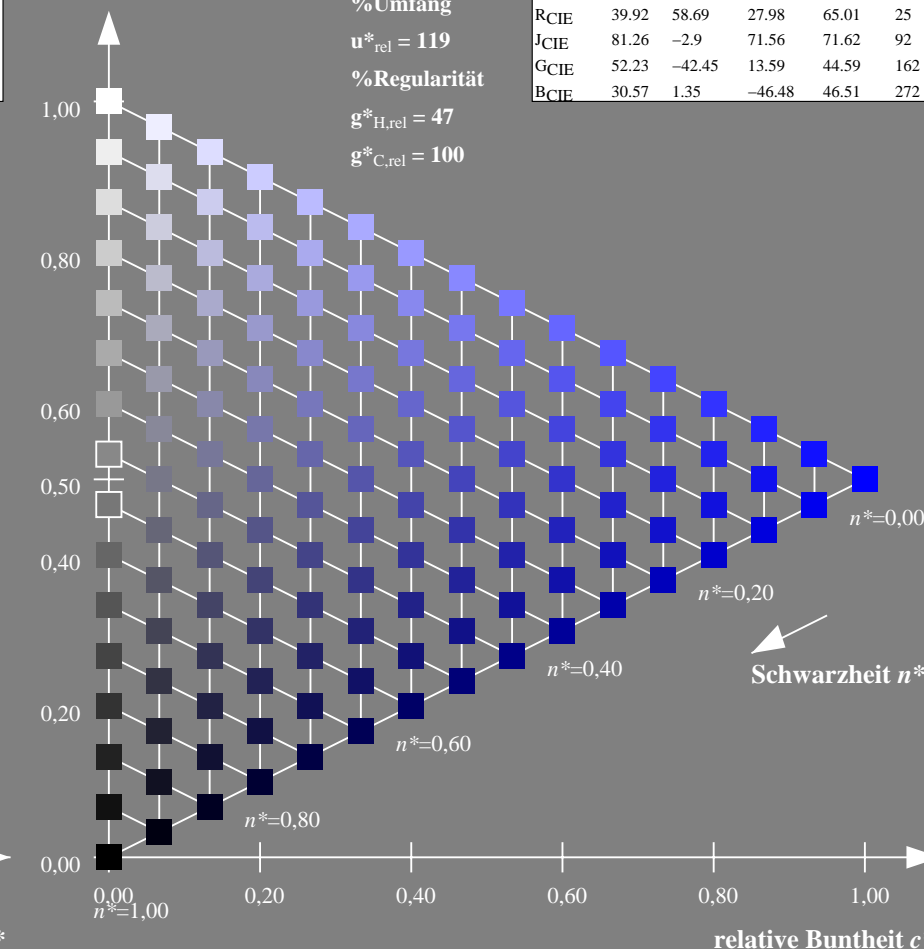
%Umfang

$u_{rel}^* = 119$

%Regularität

$g_{H,rel}^* = 47$

$g_{C,rel}^* = 100$



16stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (rechts)

output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-System ORS18

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

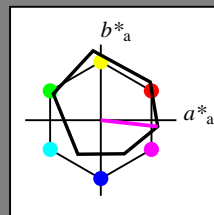
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L_a^*$ | a_a^* | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

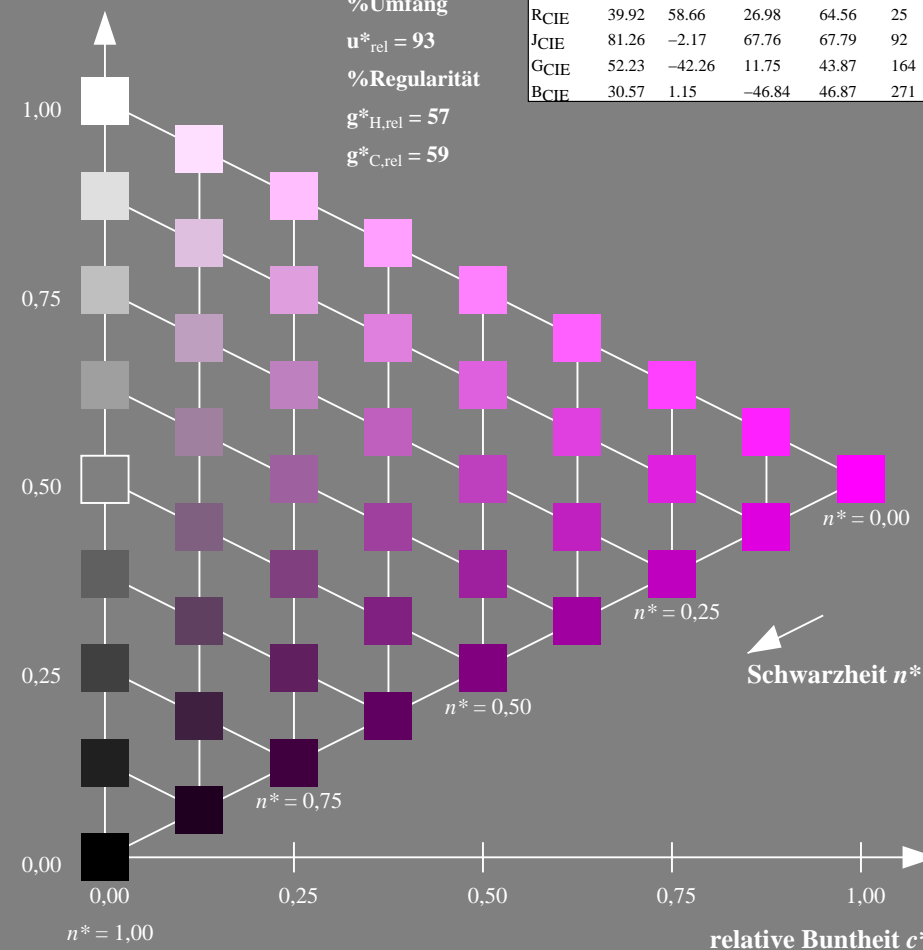
%Umfang

$u_{rel}^* = 93$

%Regularität

$g_{H,rel}^* = 57$

$g_{C,rel}^* = 59$



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

BAM-Prüfvorlage TG72; Farbmétrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System NRS11

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

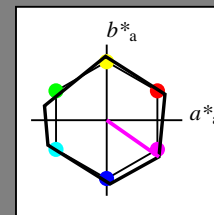
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



NRS11; adaptierte CIELAB-Daten

| | $L^*=L_a^*$ | a_a^* | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.59 | 162 |
| BCIE | 30.57 | 1.35 | -46.48 | 46.51 | 272 |

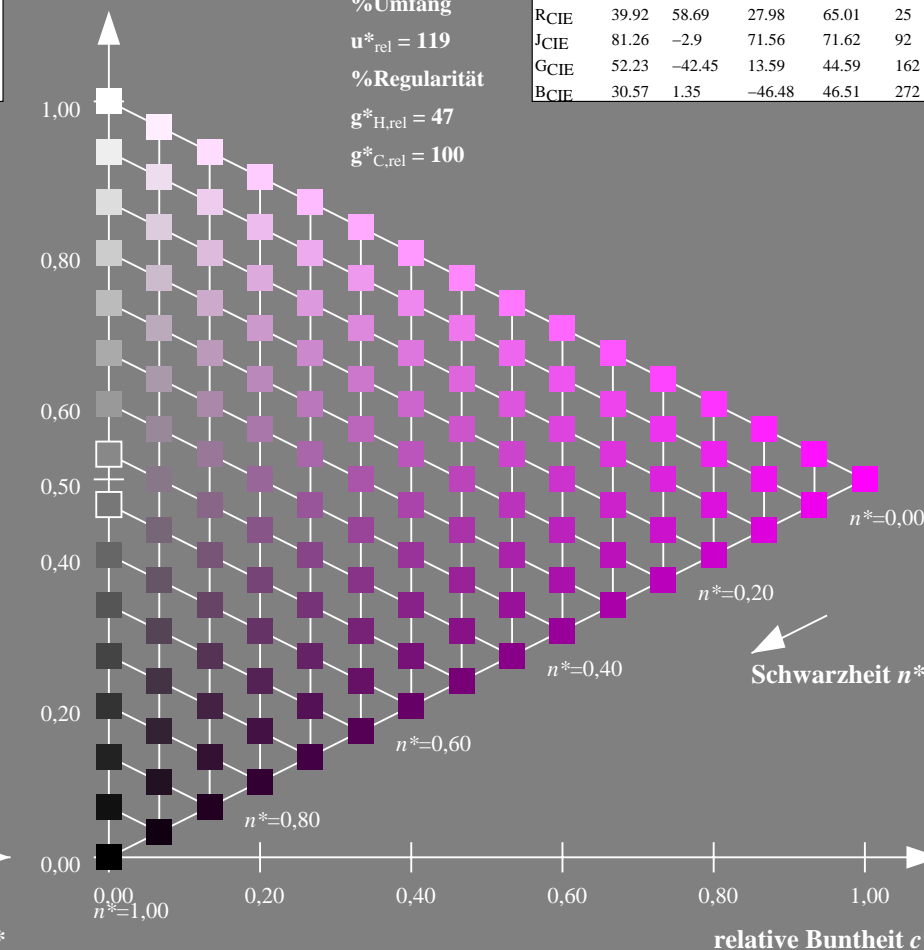
%Umfang

$u_{rel}^* = 119$

%Regularität

$g_{H,rel}^* = 47$

$g_{C,rel}^* = 100$



16stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

output: *Startup (S) data dependend*

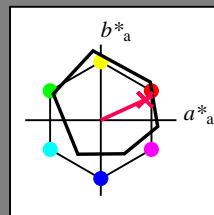
Eingabe: Farbmétrisches Reflexions-System ORS18

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

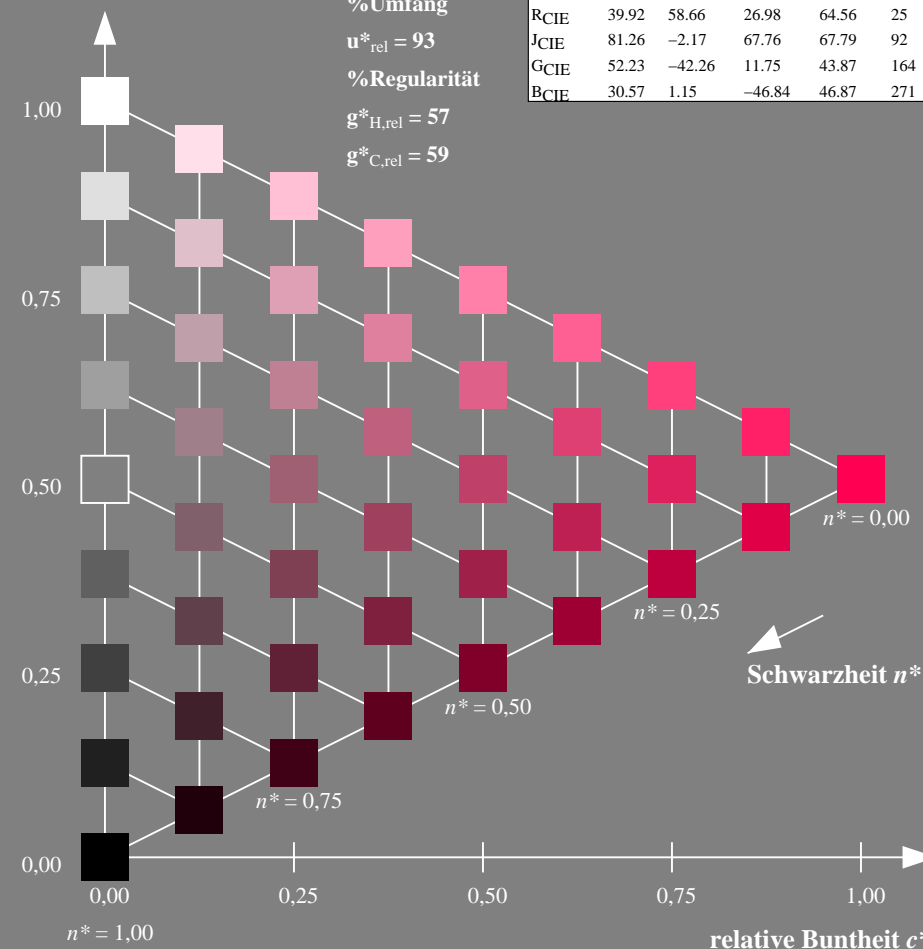
 $u^*_{rel} = 93$

%Regularität

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

ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

BAM-Prüfvorlage TG72; Farbmétrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

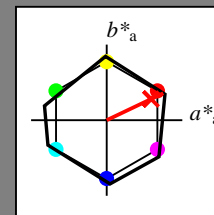
Ausgabe: Farbmétrisches Reflexions-System NRS11

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

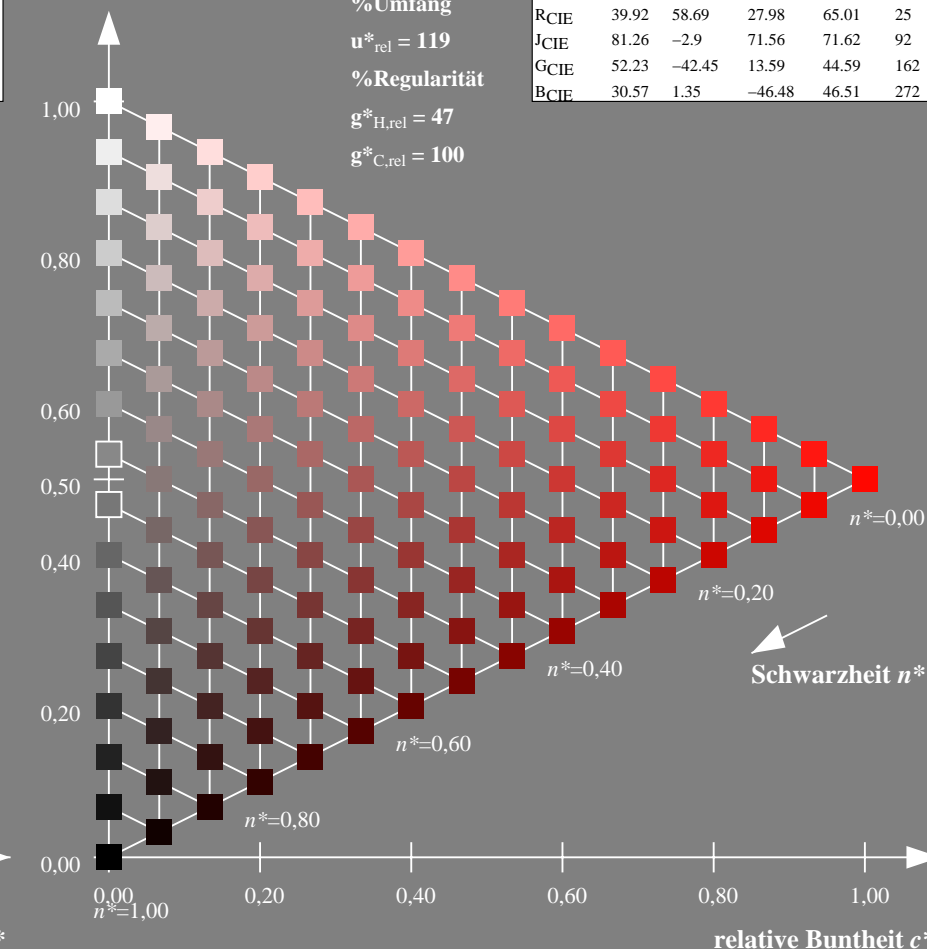
 $u^*_{rel} = 119$

%Regularität

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

NRS11; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.59 | 162 |
| BCIE | 30.57 | 1.35 | -46.48 | 46.51 | 272 |



16stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-System ORS18

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

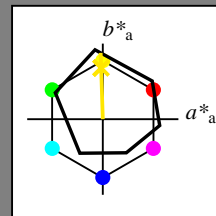
*lab*tch* und *lab*nch*

D65: Buntton J

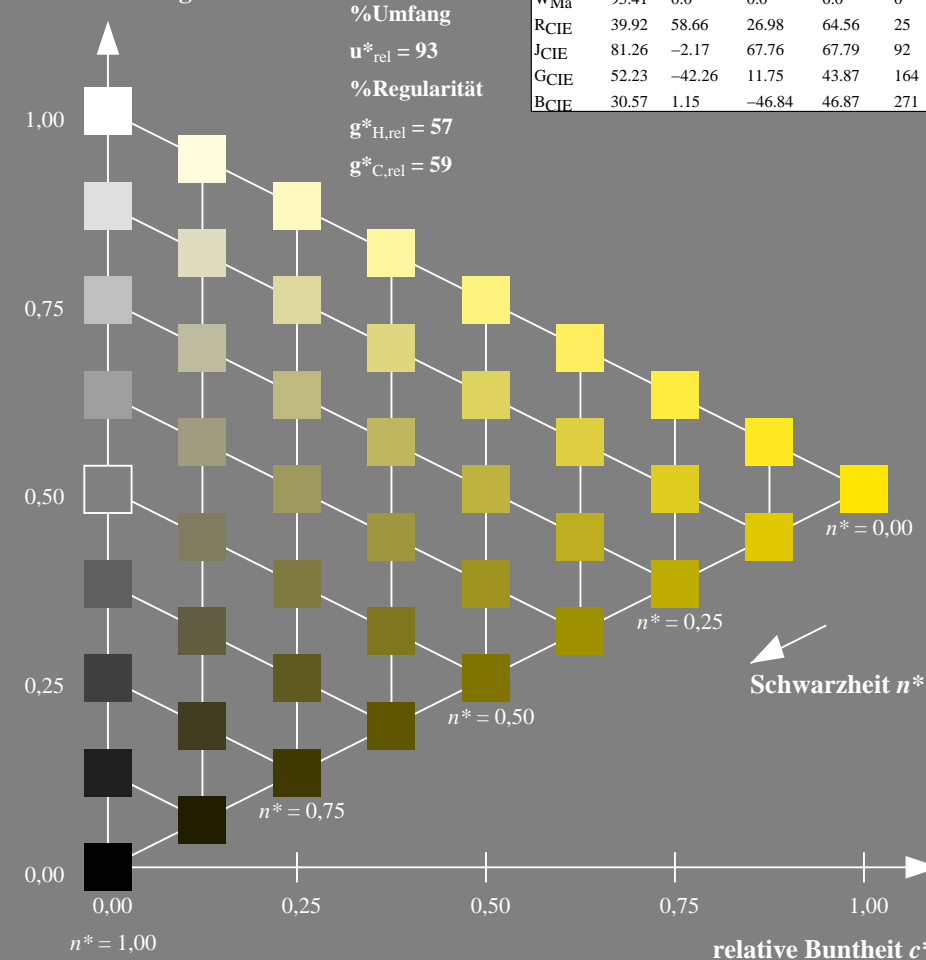
LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L_a^* a_a^*$ | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ | |
|------|-------------------|---------|--------------|--------------|-----|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage TG72; Farbmimetrik-Systeme ORS18 & ORS18 input: *olv* setrgbcolor*

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System NRS11

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

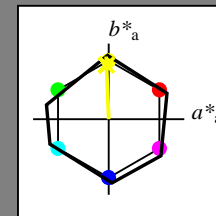
*lab*tch* und *lab*nch*

D65: Buntton J

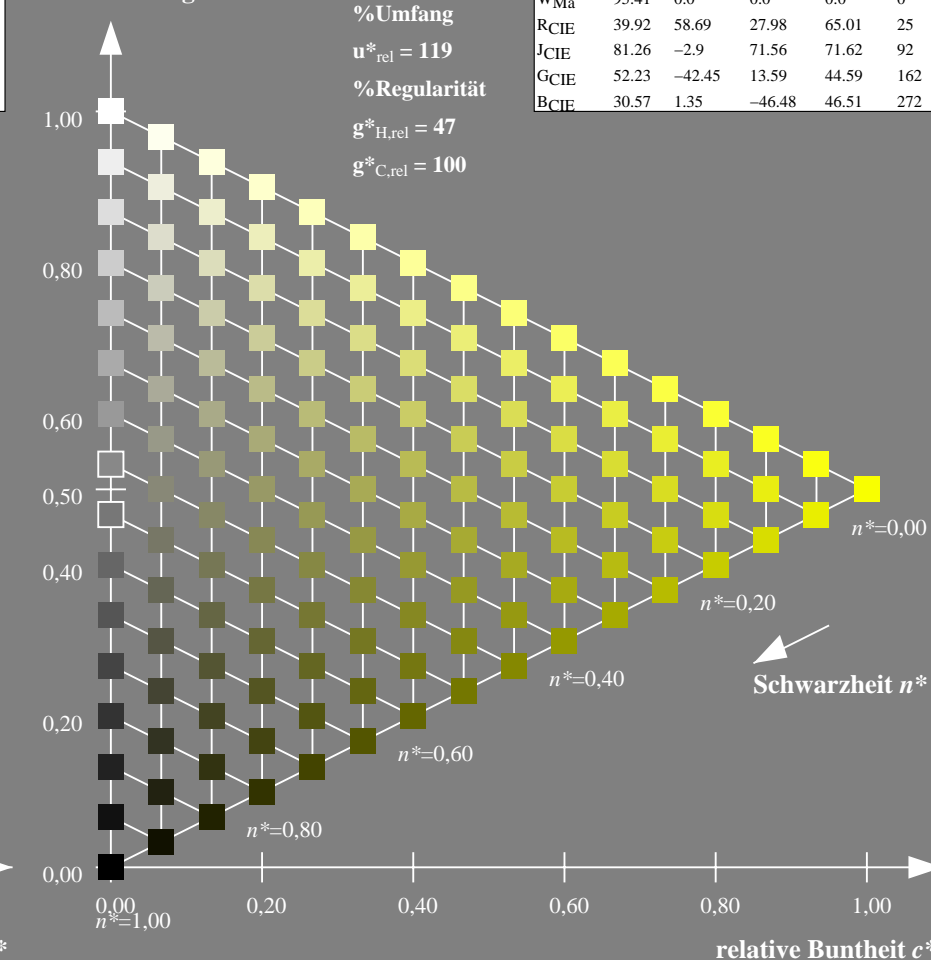
LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit t^*

**NRS11; adaptierte CIELAB-Daten**

| | $L^* = L^*_{\text{a}}$ | a^*_{a} | b^*_{a} | $C^*_{\text{ab,a}}$ | $h^*_{\text{ab,a}}$ |
|--------|------------------------|------------------|------------------|---------------------|---------------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.99 | 162 |
| BCIE | 30.57 | 1.35 | -46.48 | 46.51 | 272 |

16stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-System ORS18

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

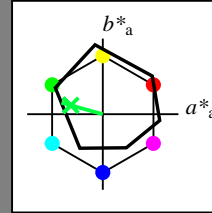
*lab*tch* und *lab*nch*

D65: Buntton G

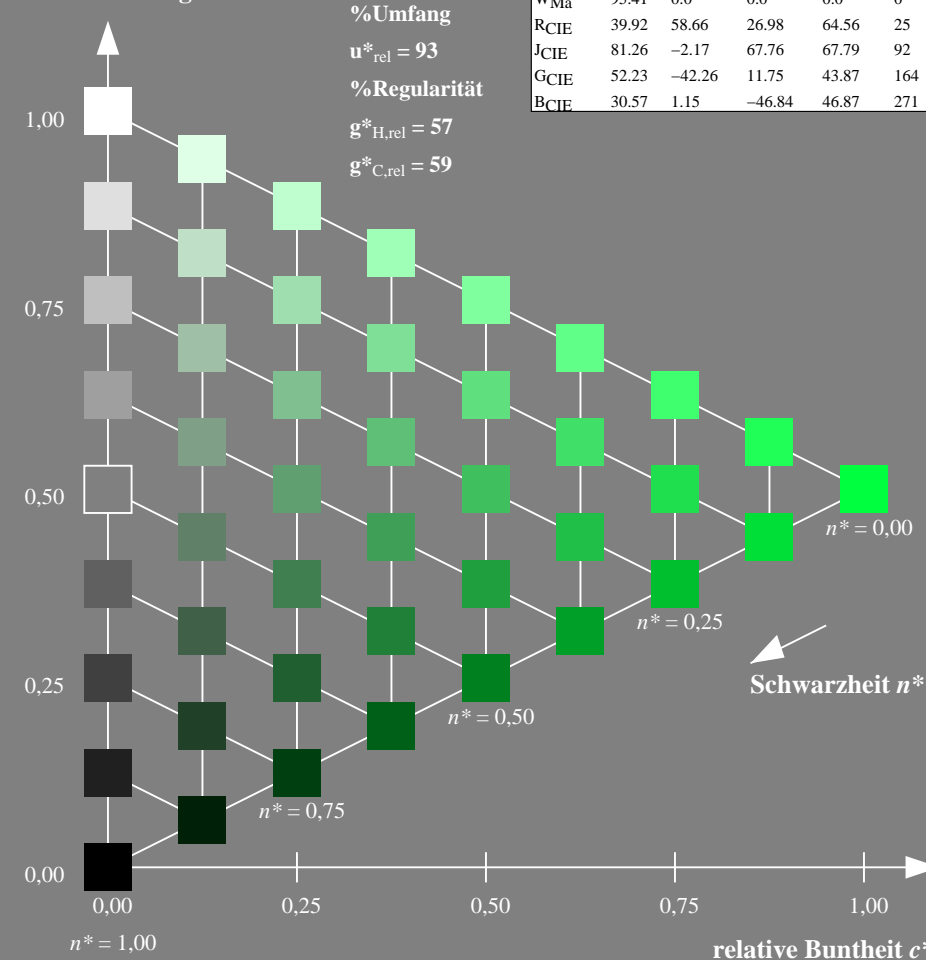
LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit t^*

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L_a^* a_a^*$ | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ | |
|------|-------------------|---------|--------------|--------------|-----|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton $164/360 = 0.457$ (links)

BAM-Prüfvorlage TG72; Farbmimetrik-Systeme ORS18 & ORS18 input: *olv* setrgbcolor*

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System NRS11

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

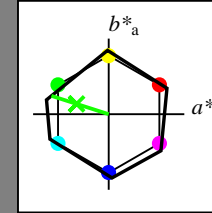
lab*tch und lab*nch

D65: Buntton G

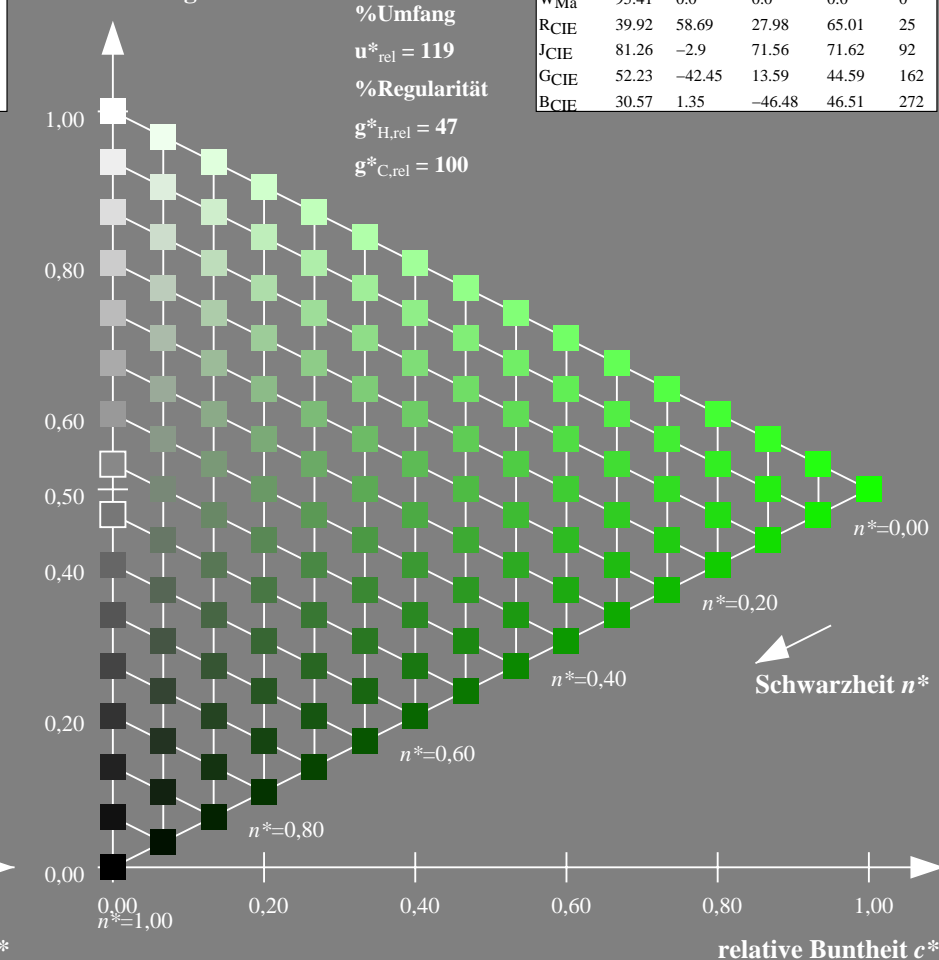
LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*

**NRS11; adaptierte CIELAB-Daten**

| | $L^*=L_a^*$ | a_a^* | b_a^* | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.59 | 162 |
| BCTF | 30.57 | 1.35 | -46.48 | 46.51 | 272 |

16stufige Reihen für konstanten CIELAB Buntton $162/360 = 0.451$ (rechts)

8 input: *olv* setrgbcolor*
output: *Startup (S) data dependent*

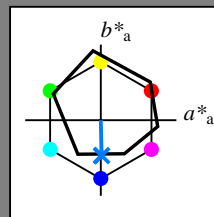
Eingabe: Farbmimetrisches Reflexions-System ORS18

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

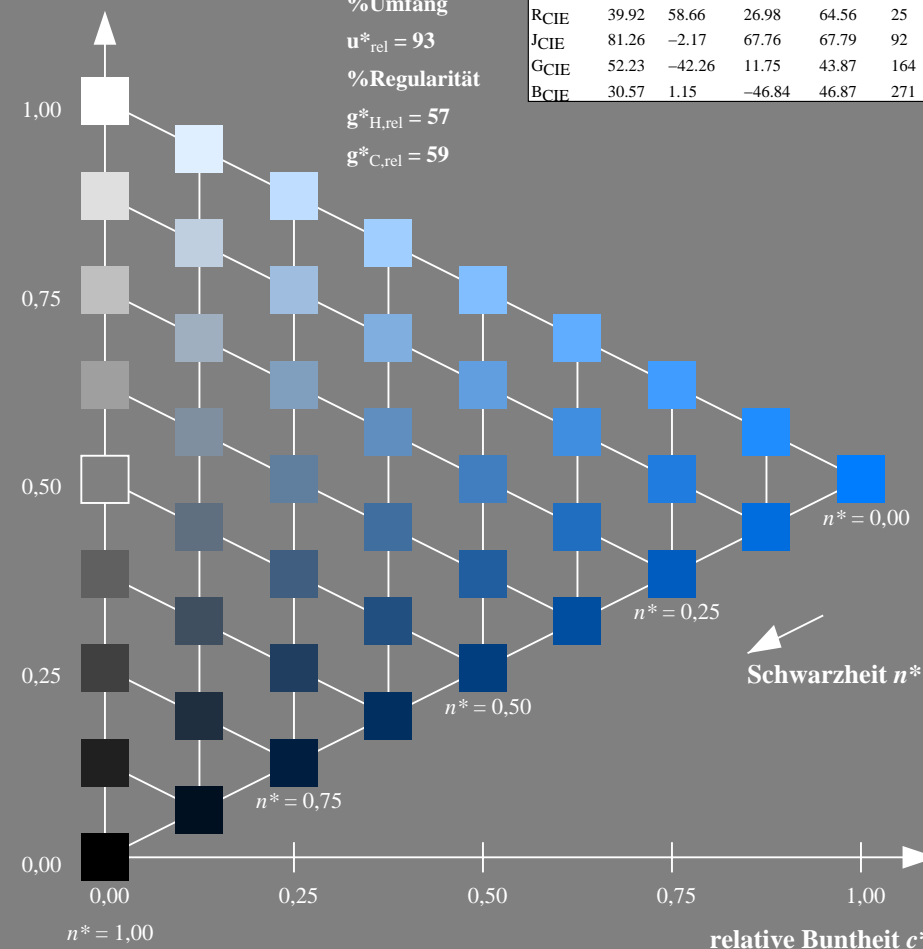
 $u^*_{rel} = 93$

%Regularität

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

ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |



TG720-7, 9stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

BAM-Prüfvorlage TG72; Farbmimetrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

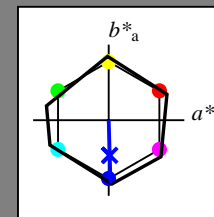
Ausgabe: Farbmimetrisches Reflexions-System NRS11

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

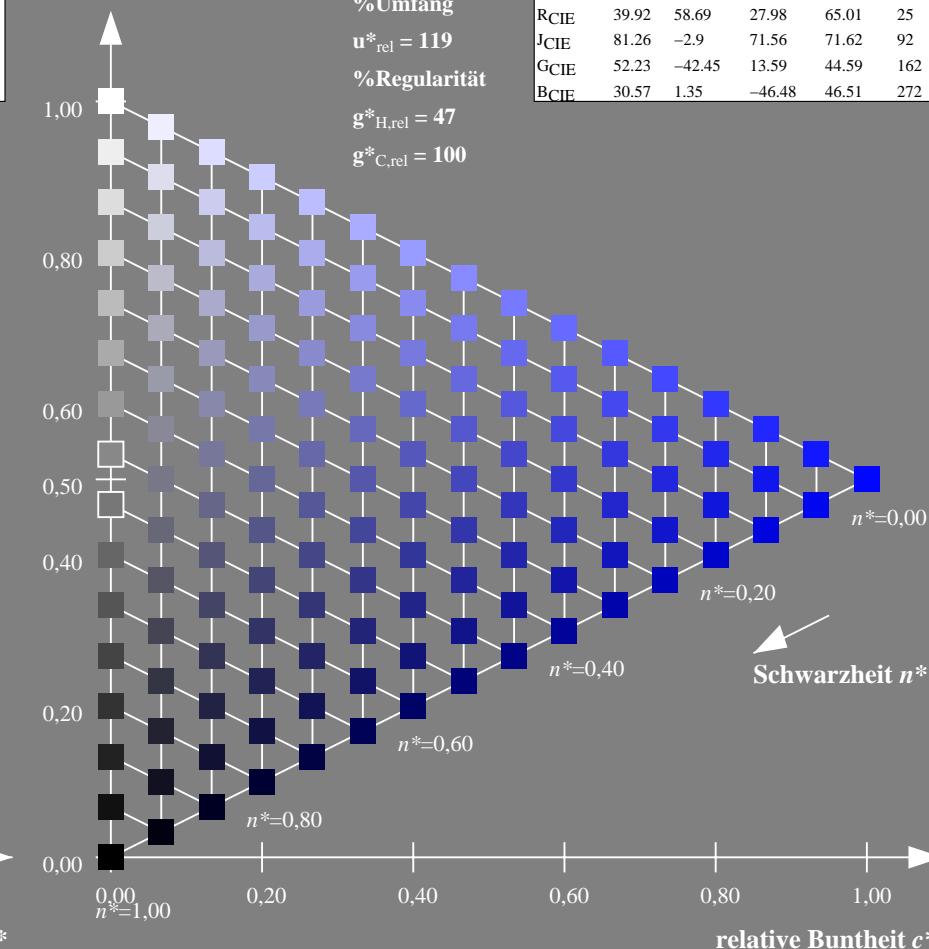
 $u^*_{rel} = 119$

%Regularität

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

NRS11; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 53.2 | 77.06 | 34.32 | 84.36 | 24 |
| JMa | 53.2 | -1.51 | 84.38 | 84.39 | 91 |
| GMa | 53.2 | -82.27 | 18.98 | 84.44 | 167 |
| G50BMa | 53.2 | -77.72 | -32.98 | 84.44 | 203 |
| BMa | 53.2 | 4.37 | -84.28 | 84.41 | 273 |
| B50RMa | 53.2 | 69.09 | -48.41 | 84.37 | 325 |
| NMa | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.69 | 27.98 | 65.01 | 25 |
| JCIE | 81.26 | -2.9 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.45 | 13.59 | 44.59 | 162 |
| BCIE | 30.57 | 1.35 | -46.48 | 46.51 | 272 |



16stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

output: Startup (S) data dependend