

Eingabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton  $h^* = lab^*h = 31/360 = 0.086$

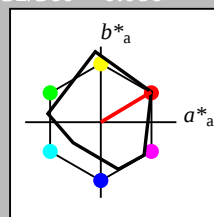
$lab^*tch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 50 78 31

rgb\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

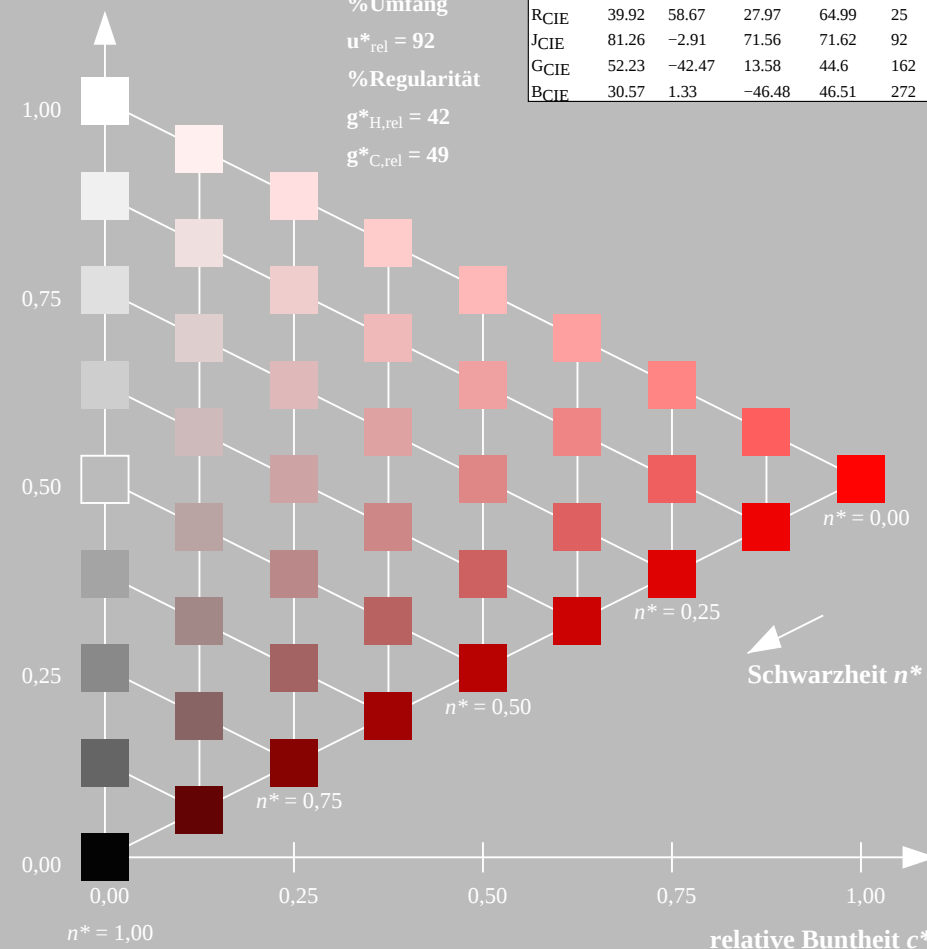
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

BAM-Prüfvorlage UG76; Farbmimetrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

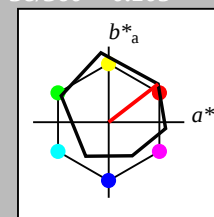
$lab^*tch$  und  $lab^*nch$

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          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

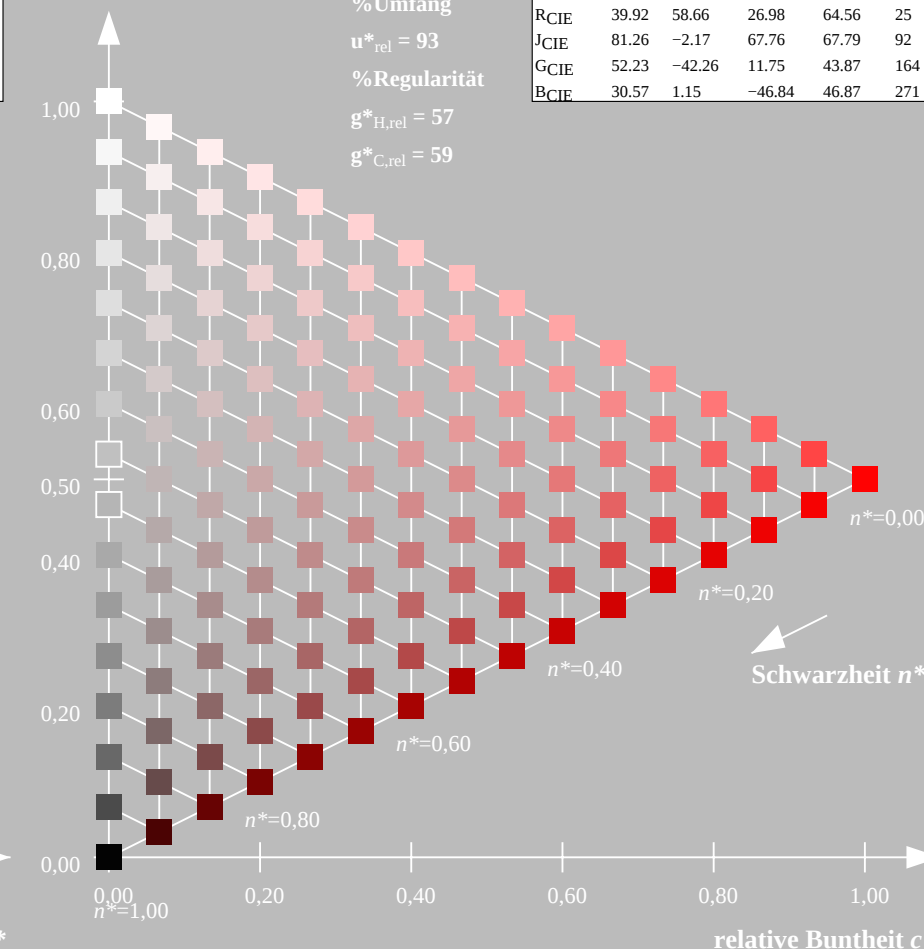
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

input: `cmY0* setcmYcolor`  
output: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System MRS18a

für Buntton  $h^* = lab^*h = 94/360 = 0.262$

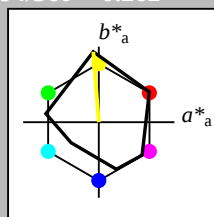
$lab^*tch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 91 93 94

rgb\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

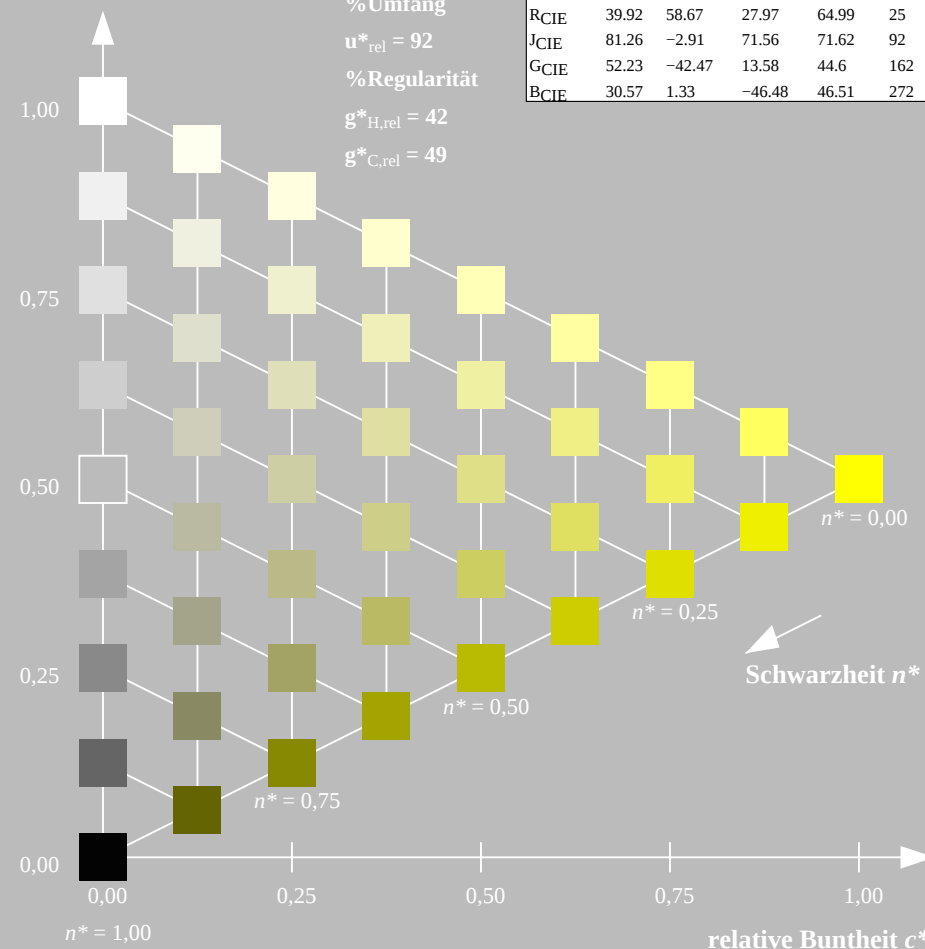
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

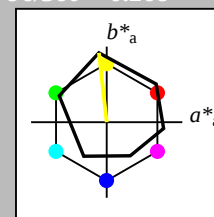
$lab^*tch$  und  $lab^*nch$

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          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

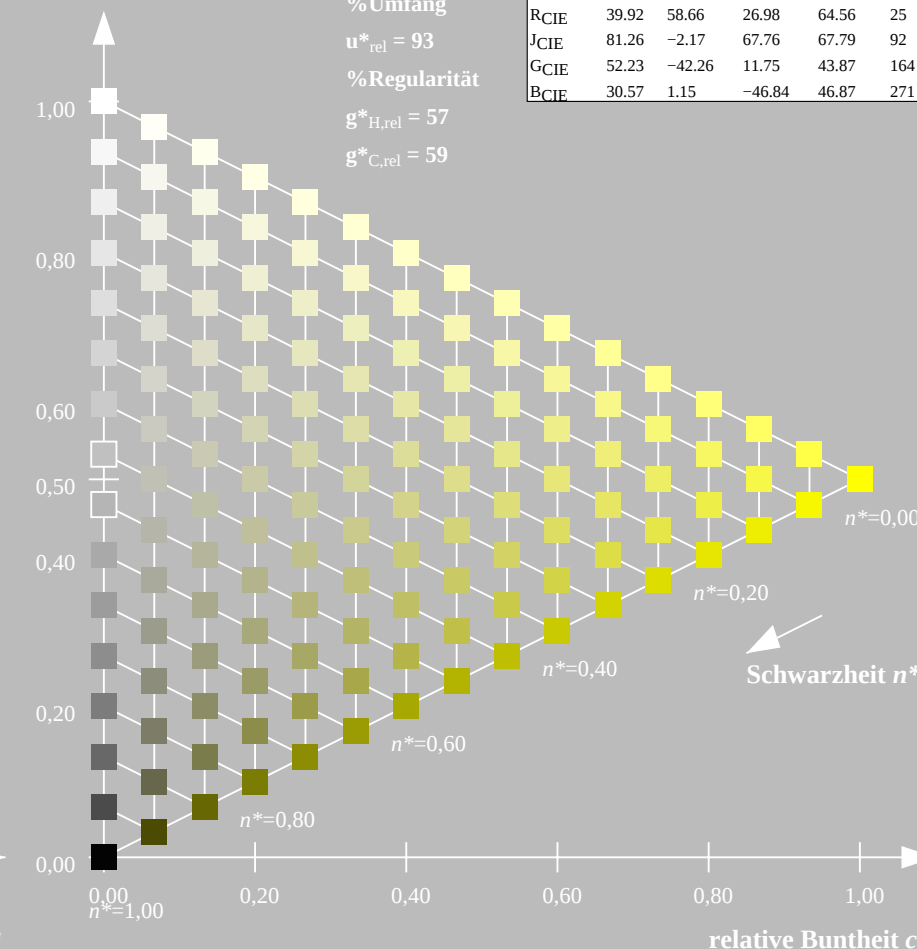
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

input: `cmY0* setcmYcolor`  
output: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System MRS18a

für Buntton  $h^* = lab^*h = 171/360 = 0.475$

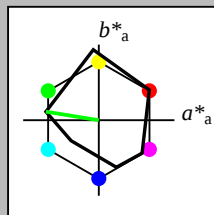
$lab^*tch$  und  $lab^*nch$

D65: Buntton G

LCH\*Ma: 52 71 171

rgb\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50BMa                          | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| BMa                             | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50RMa                          | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| NMa                             | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                             | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

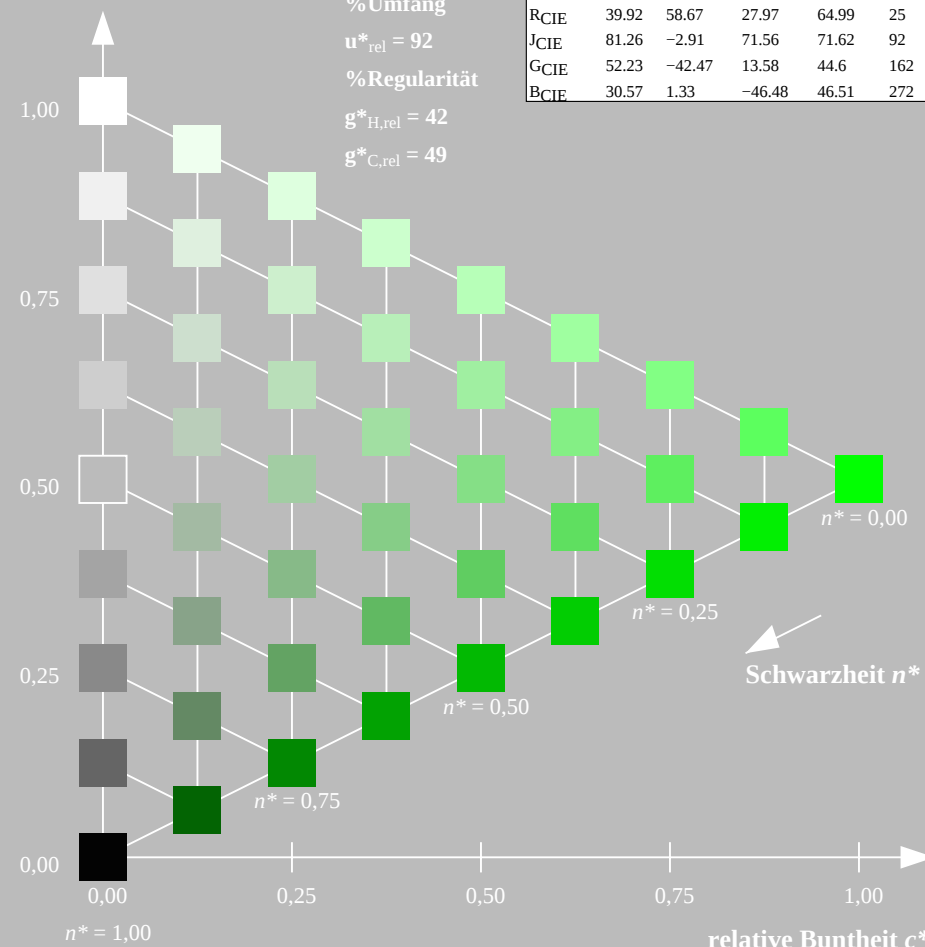
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



Ausgabe: Farbmétrisches Reflexions-System ORS18

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

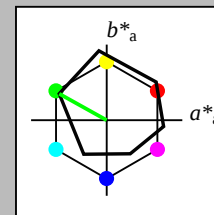
$lab^*tch$  und  $lab^*nch$

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          |

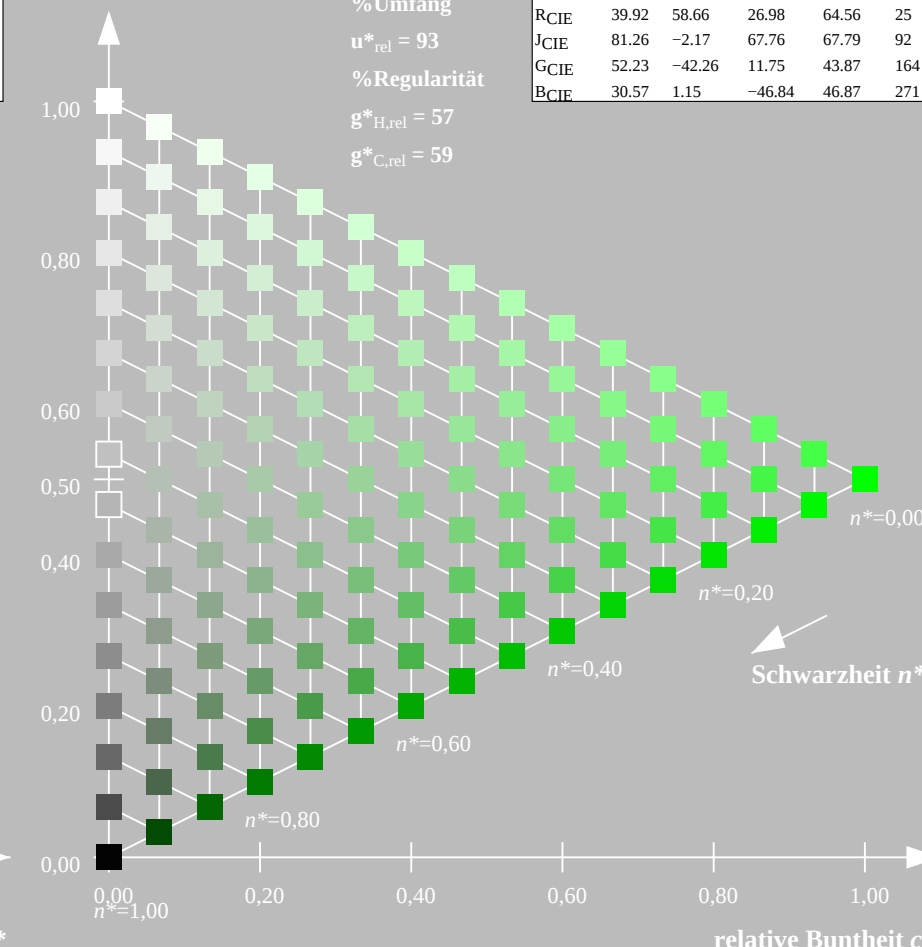
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (links)

16stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmYcolor`

output: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System MRS18a

für Buntton  $h^* = lab^*h = 217/360 = 0.601$

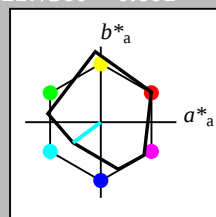
$lab^*tch$  und  $lab^*nch$

D65: Buntton G50B

LCH\*Ma: 45 46 217

rgb\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

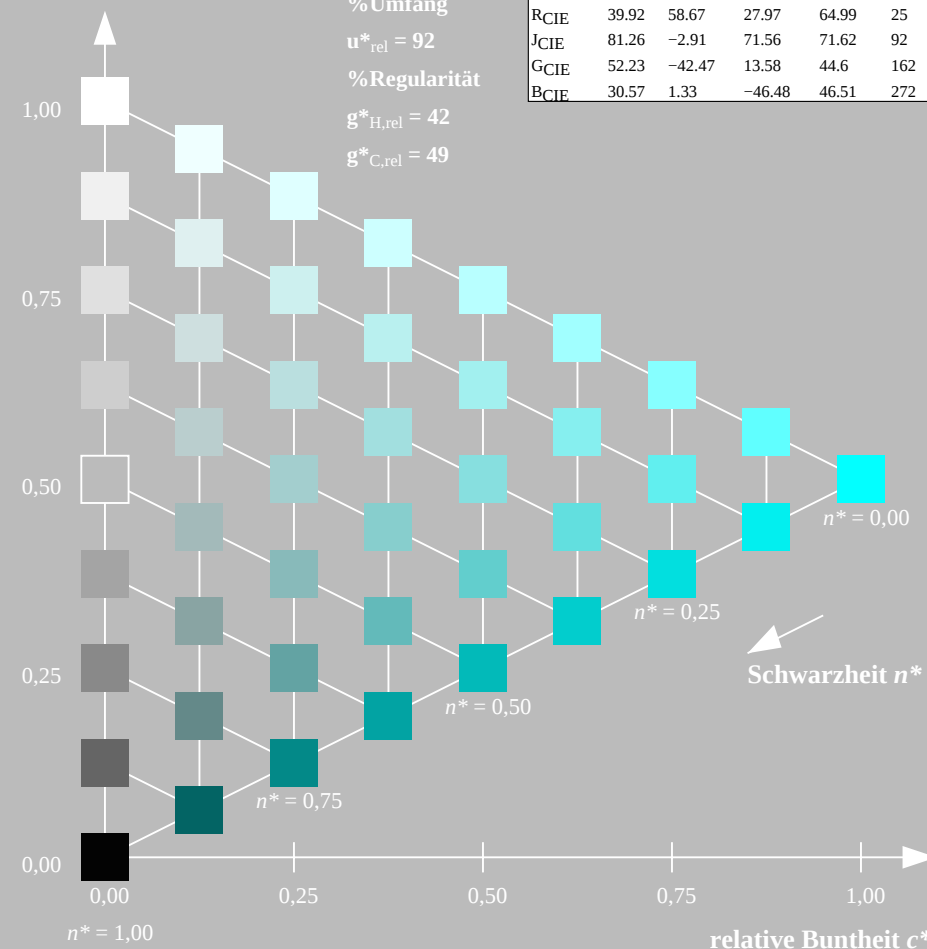
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

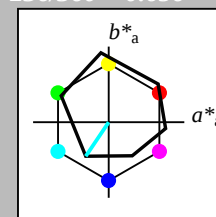
$lab^*tch$  und  $lab^*nch$

D65: Buntton C

LCH\*Ma: 59 54 236

rgb\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



| 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          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

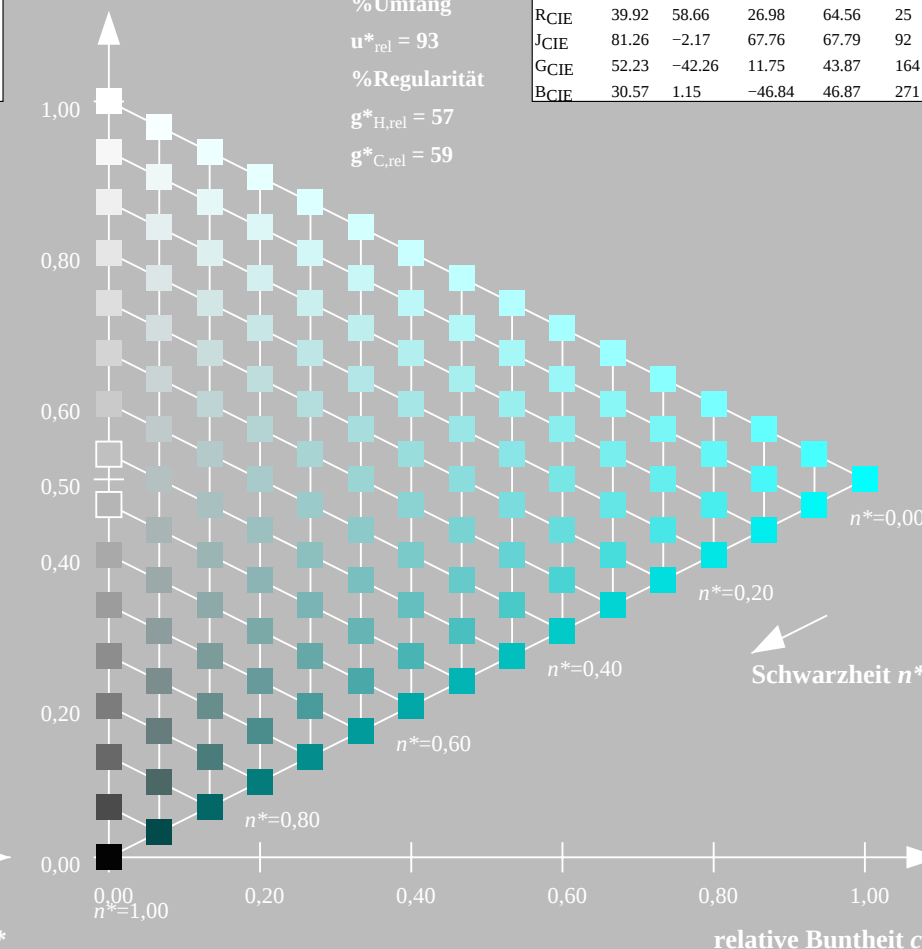
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

input: `cmY0* setcmYcolor`  
output: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System MRS18a

für Buntton  $h^* = lab^*h = 290/360 = 0.807$

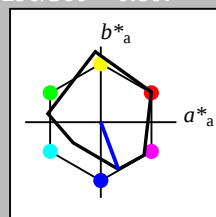
$lab^*tch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 37 66 290

rgb\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

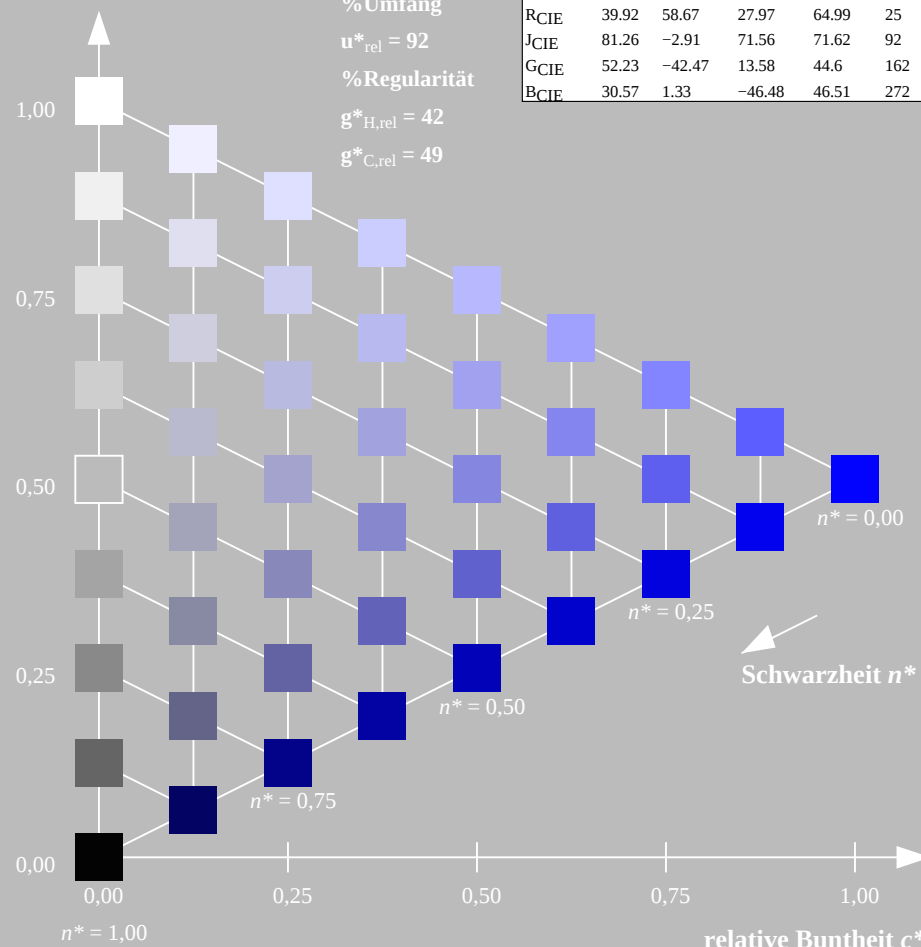
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

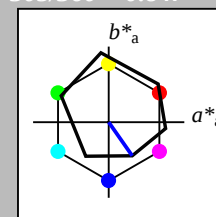
$lab^*tch$  und  $lab^*nch$

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          |
| C <sub>Ma</sub>                | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

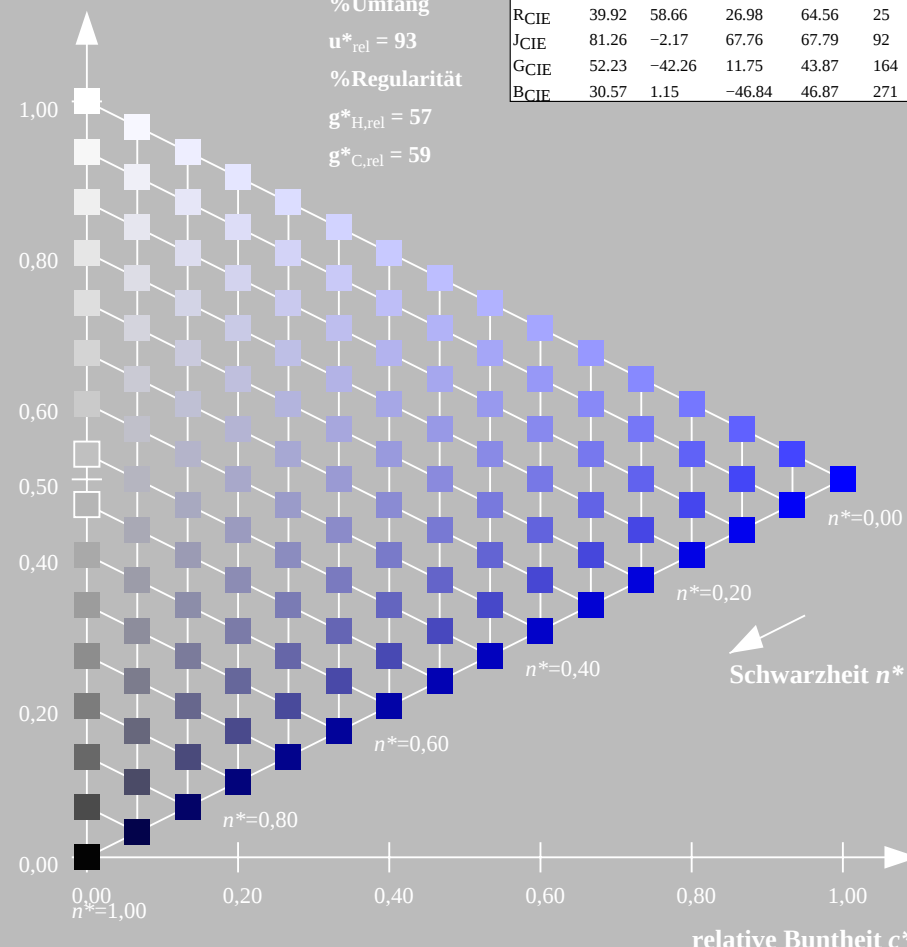
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

input: `cmY0* setcmYcolor`  
output: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System MRS18a

für Buntton  $h^* = lab^*h = 323/360 = 0.896$

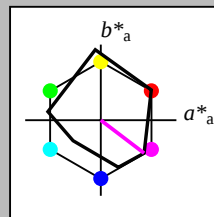
$lab^*tch$  und  $lab^*nch$

D65: Buntton B50R

LCH\*Ma: 35 72 323

rgb\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

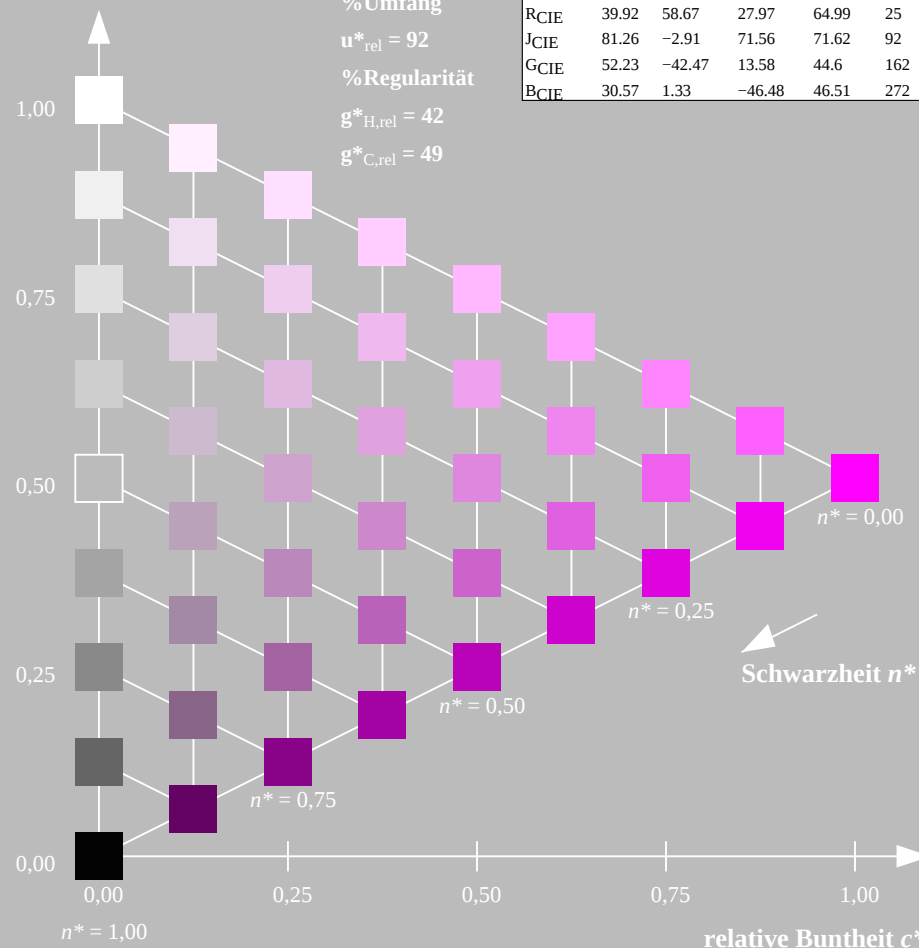
%Umfang

$u_{rel}^* = 92$

%Regularität

$g_{H,rel}^* = 42$

$g_{C,rel}^* = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

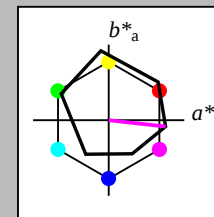
$lab^*tch$  und  $lab^*nch$

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          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

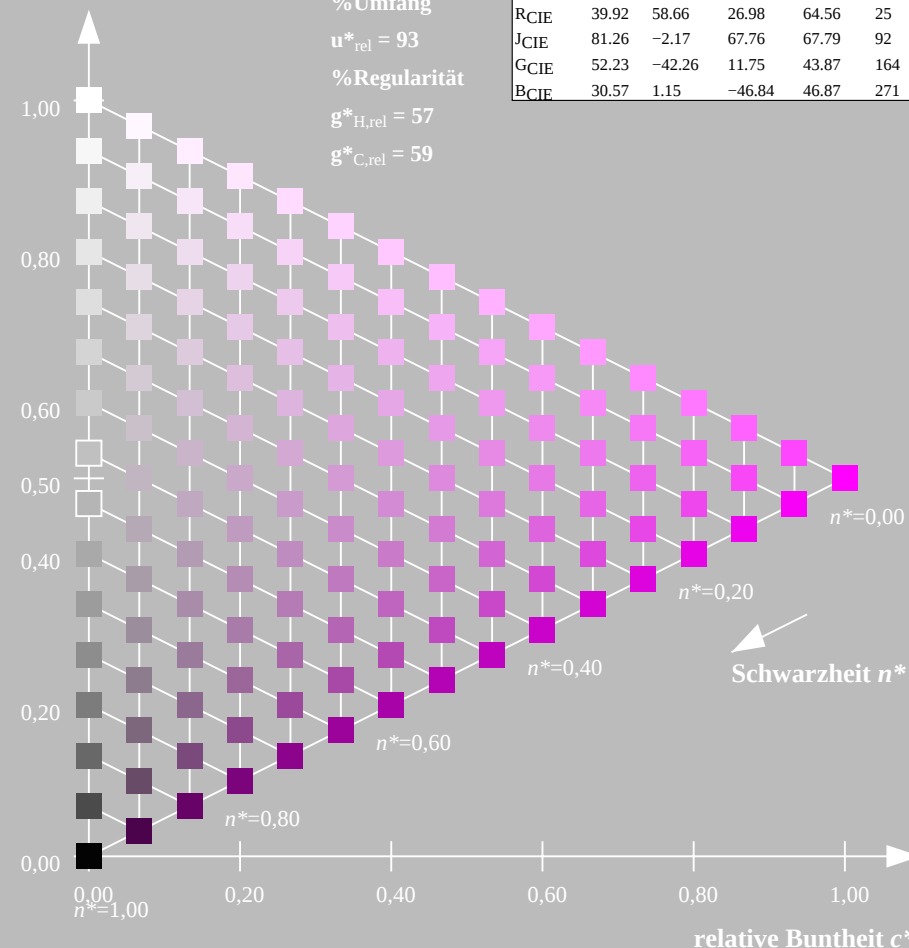
%Umfang

$u_{rel}^* = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

input:  $cmY0^* setcmykcolor$   
output:  $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmétrisches Reflexions-System MRS18a

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

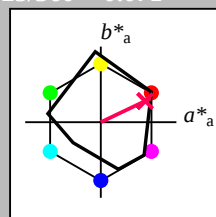
$lab^*tch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 48 73 25

rgb\*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

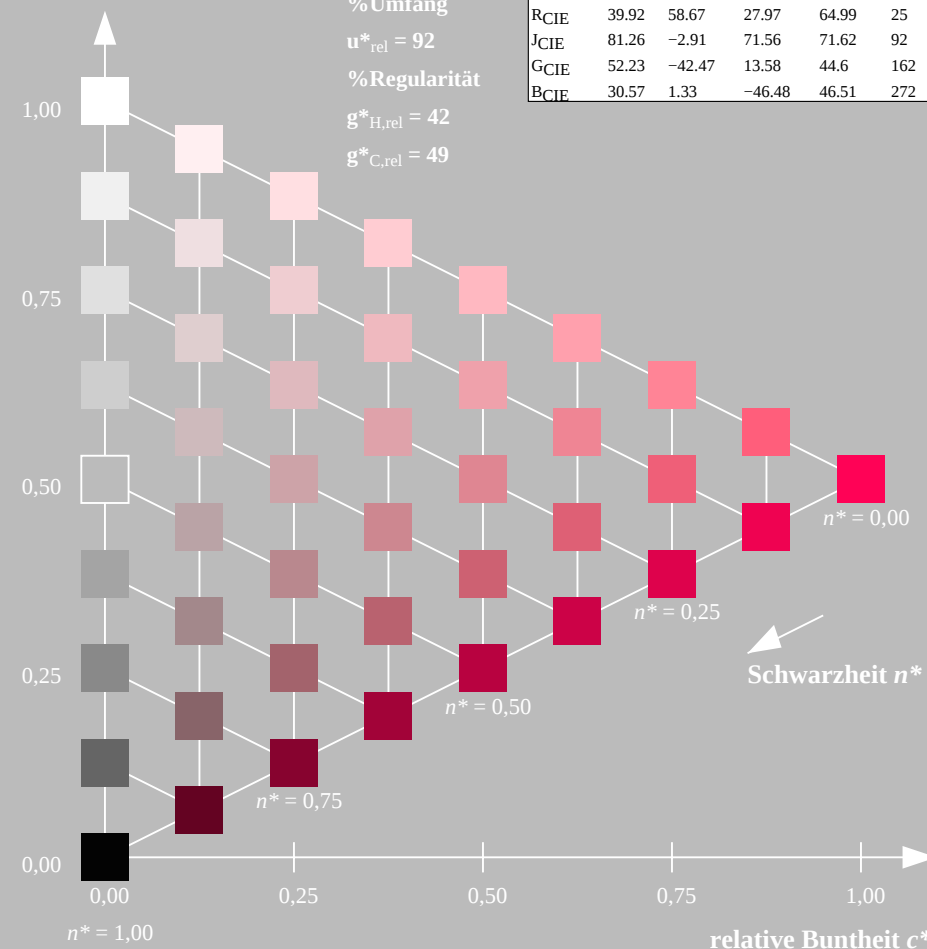
%Umfang

$u_{rel}^* = 92$

%Regularität

$g_{H,rel}^* = 42$

$g_{C,rel}^* = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

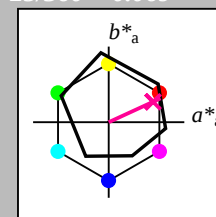
$lab^*tch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 48 75 25

rgb\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



| 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          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

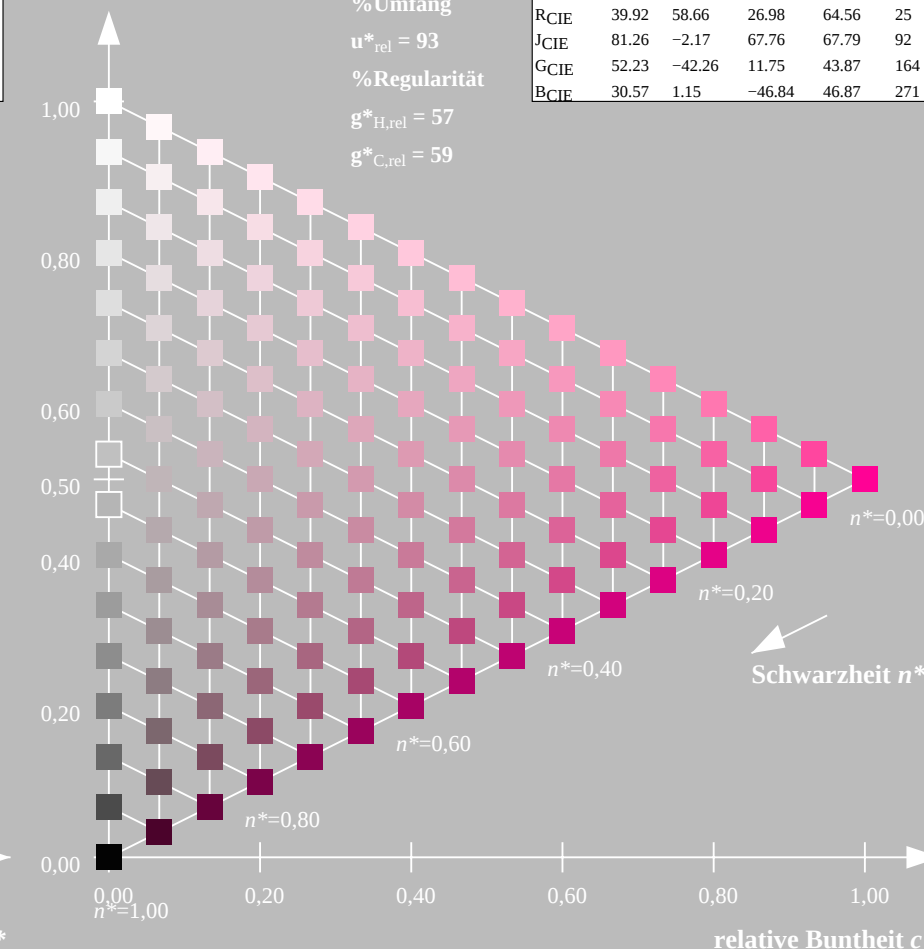
%Umfang

$u_{rel}^* = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

input: `cmY0* setcmYcolor`  
output: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System MRS18a

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

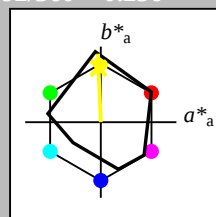
$lab^*tch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 89 91 92

rgb\*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

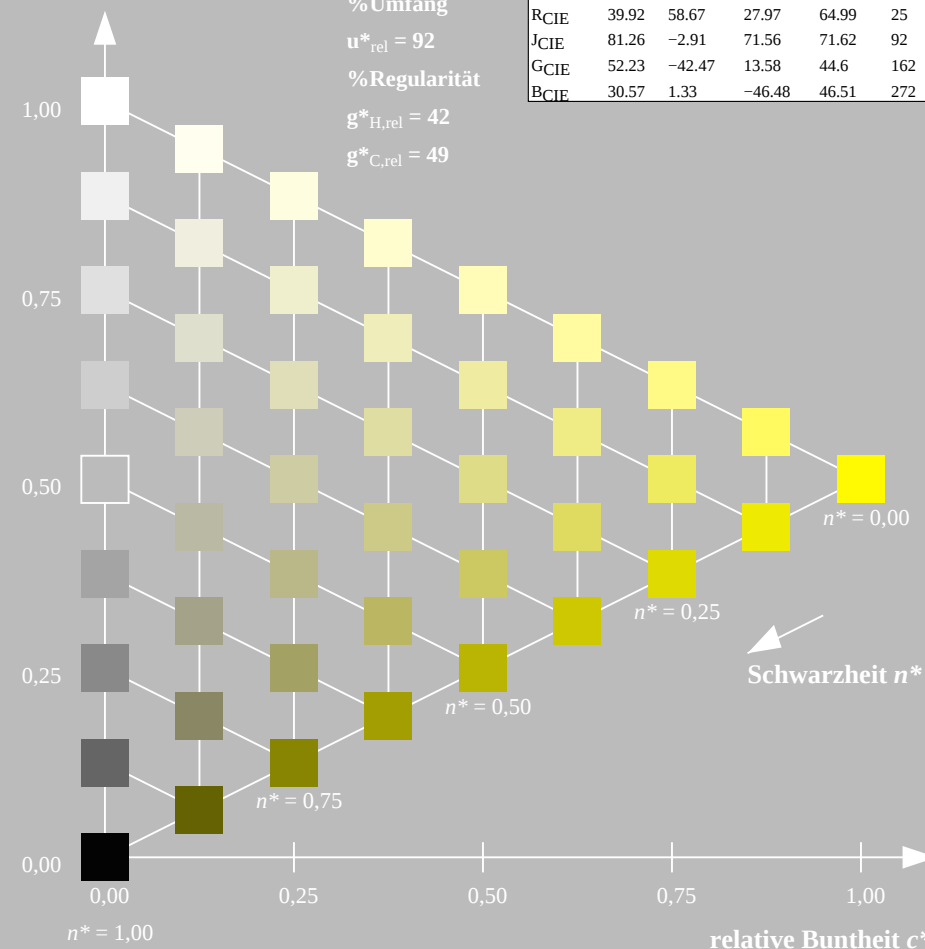
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

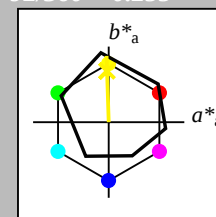
$lab^*tch$  und  $lab^*nch$

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          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

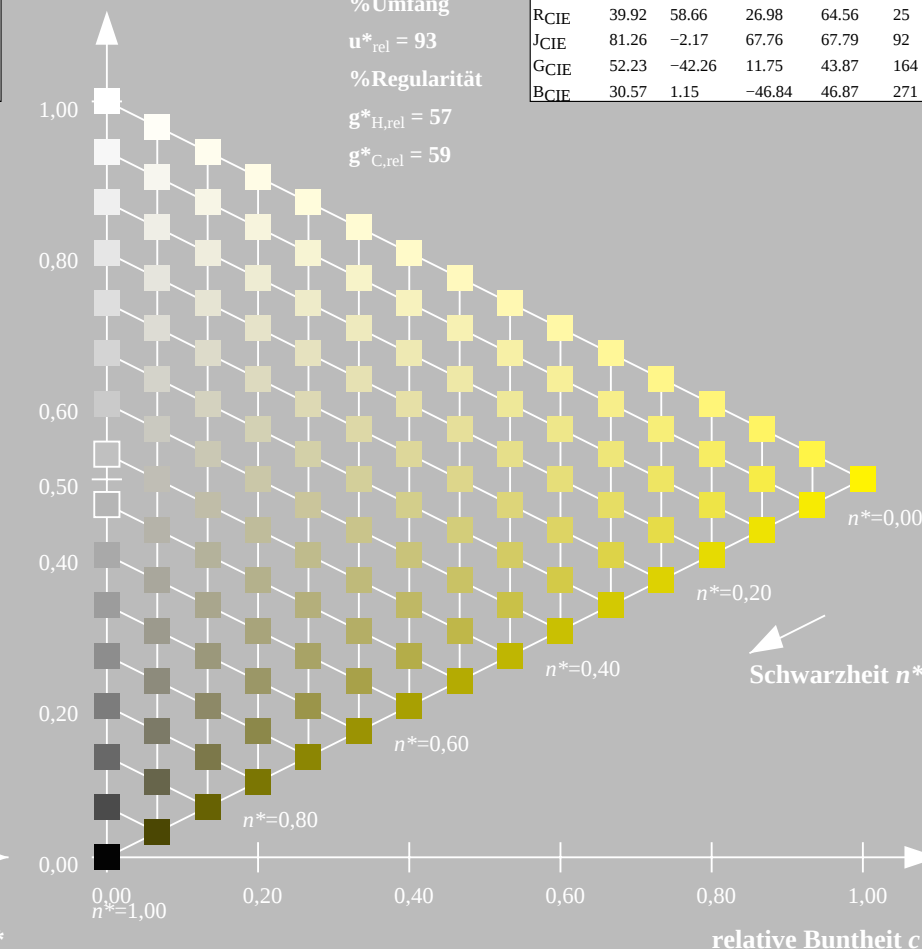
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

input: `cmY0* setcmYcolor`  
output: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System MRS18a

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

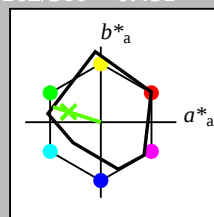
$lab^*tch$  und  $lab^*nch$

D65: Buntton G

LCH\*Ma: 56 66 162

rgb\*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

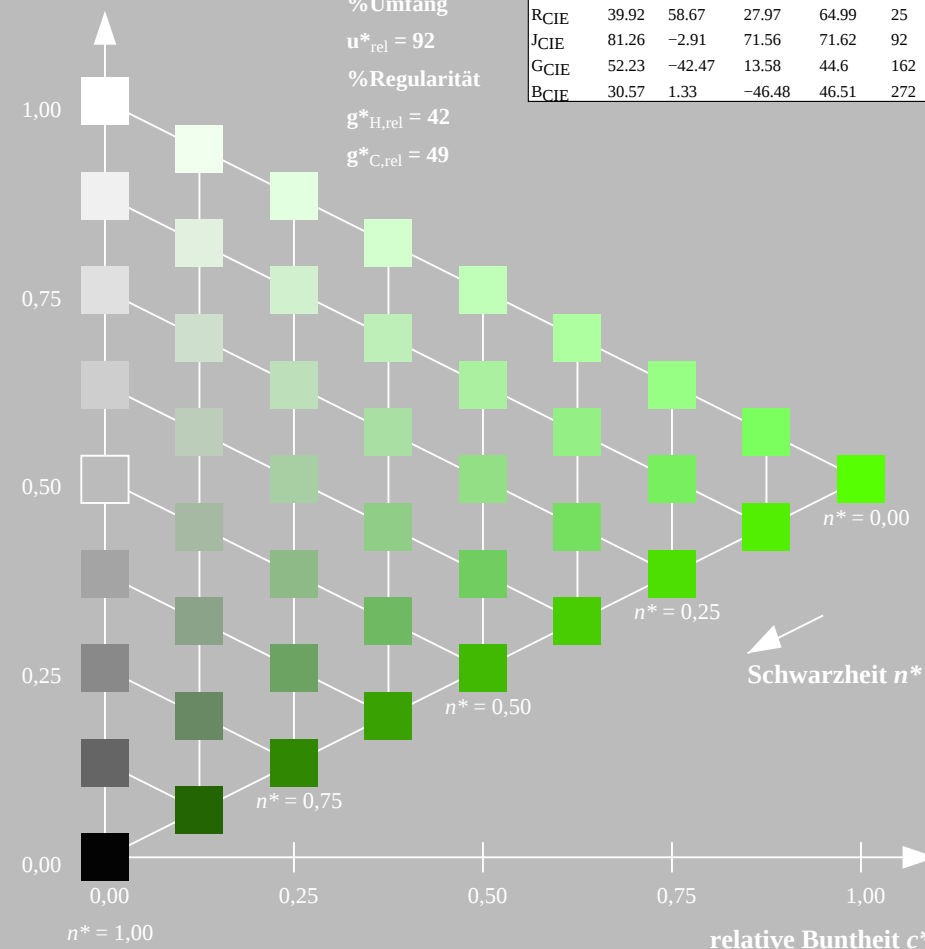
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG760-7, 9stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

BAM-Prüfvorlage UG76; Farbmétrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

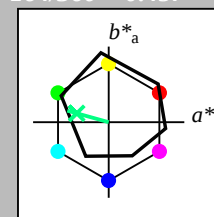
$lab^*tch$  und  $lab^*nch$

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          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

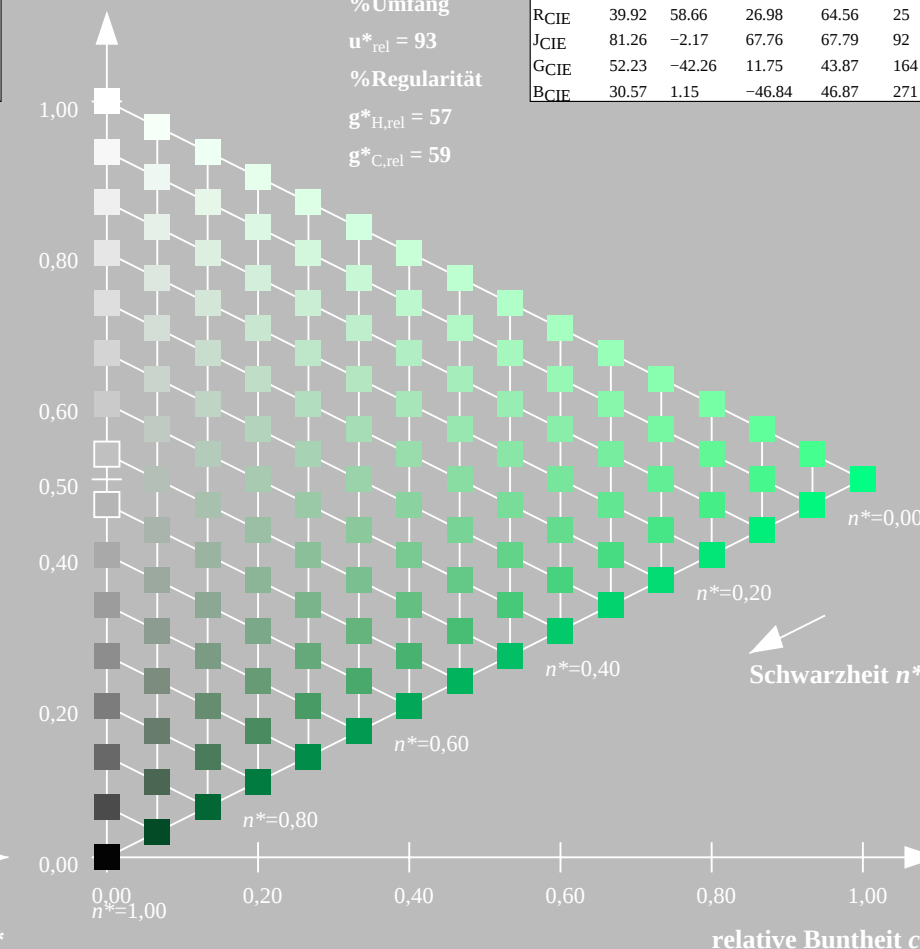
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

input:  $cmY0^* setcmykcolor$   
output:  $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton  $h^* = lab^*h = 272/360 = 0.755$

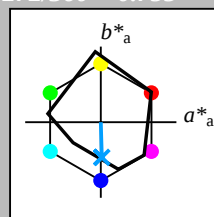
$lab^*tch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 40 49 272

rgb\*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit  $t^*$



| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63       | 66.8    | 40.02   | 77.87        | 31           |
| JMa                             | 90.7        | -7.27   | 93.19   | 93.48        | 94           |
| GMa                             | 52.11       | -69.93  | 11.26   | 70.85        | 171          |
| G50B <sub>Ma</sub>              | 45.03       | -36.65  | -27.13  | 45.61        | 217          |
| B <sub>Ma</sub>                 | 36.65       | 23.26   | -62.27  | 66.49        | 290          |
| B50R <sub>Ma</sub>              | 34.94       | 57.27   | -43.6   | 71.99        | 323          |
| N <sub>Ma</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                            | 39.92       | 58.67   | 27.97   | 64.99        | 25           |
| JCIE                            | 81.26       | -2.91   | 71.56   | 71.62        | 92           |
| GCIE                            | 52.23       | -42.47  | 13.58   | 44.6         | 162          |
| BCIE                            | 30.57       | 1.33    | -46.48  | 46.51        | 272          |

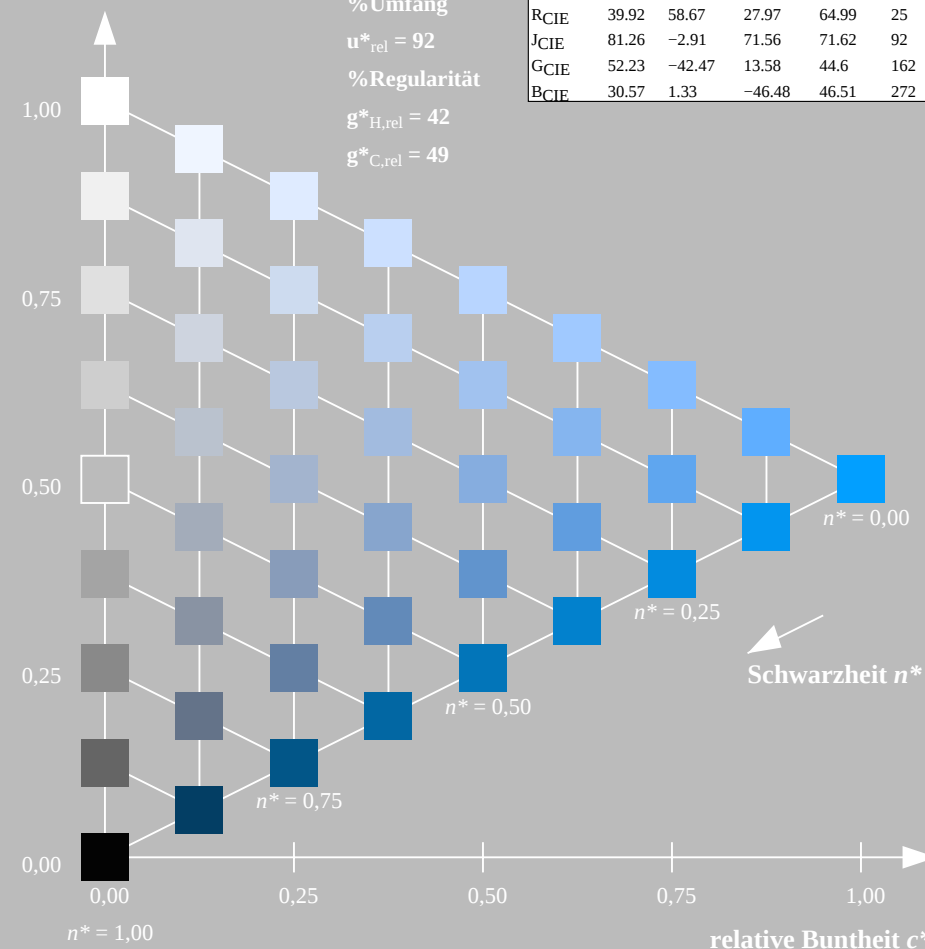
%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



Schwarzheit  $n^*$

UG760-7, 9stufige Reihen für konstanten CIELAB Buntton  $272/360 = 0.755$  (links)

BAM-Prüfvorlage UG76; Farbmimetrik-Systeme MRS18a & ORS18  
D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

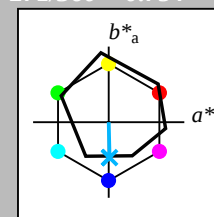
$lab^*tch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 42 45 271

rgb\*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit  $t^*$



| 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          |
| V <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 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          |

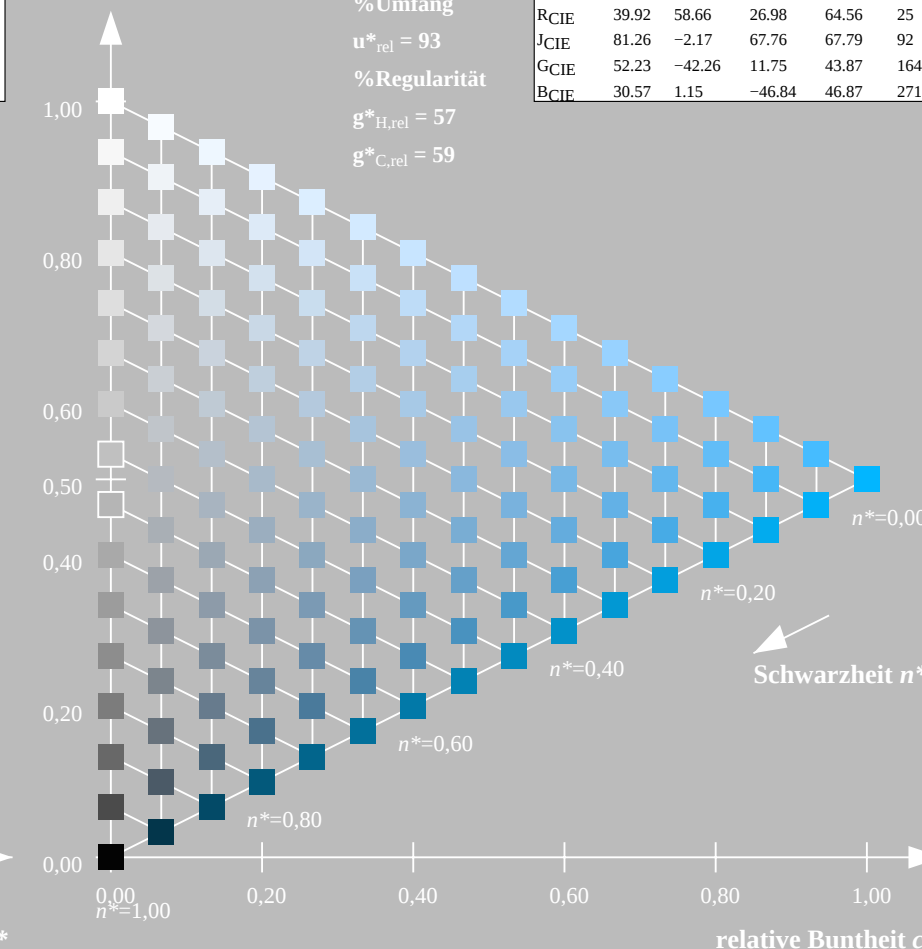
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



Schwarzheit  $n^*$

16stufige Reihen für konstanten CIELAB Buntton  $271/360 = 0.754$  (rechts)

input:  $cmY0^* setcmykcolor$   
output:  $olv^* setrgbcolor / w^* setgray$