

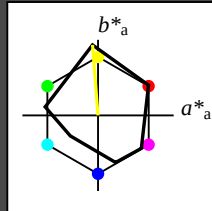


### Eingabe: Farbmétrisches Reflexions-System MRS18a

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

D65: Buntton J  
LCH\*Ma: 91 93 94  
rgb\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

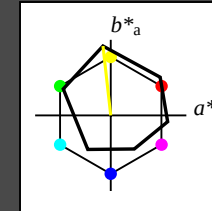
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmétrisches Reflexions-System ORS18

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

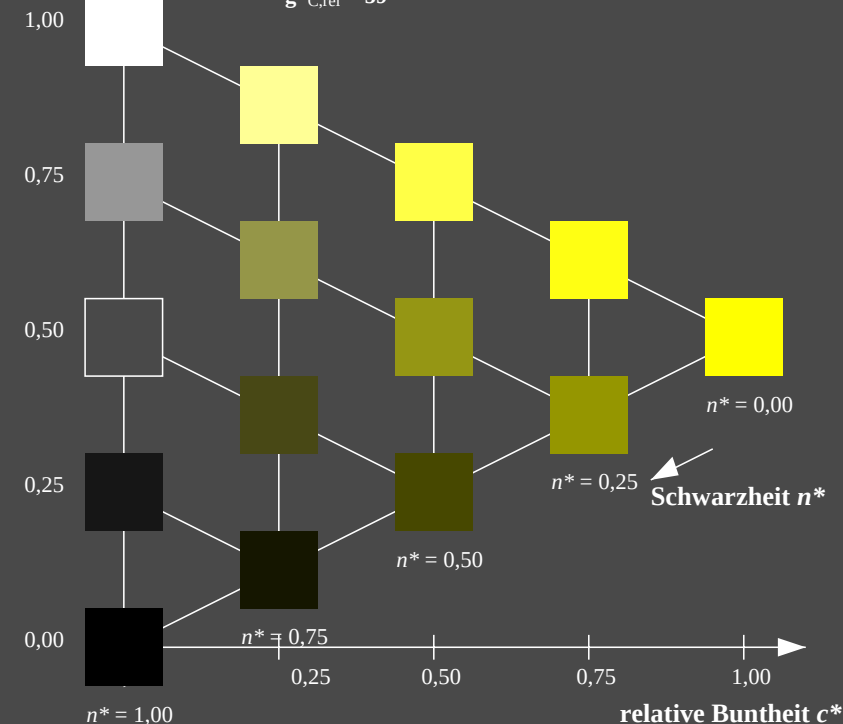
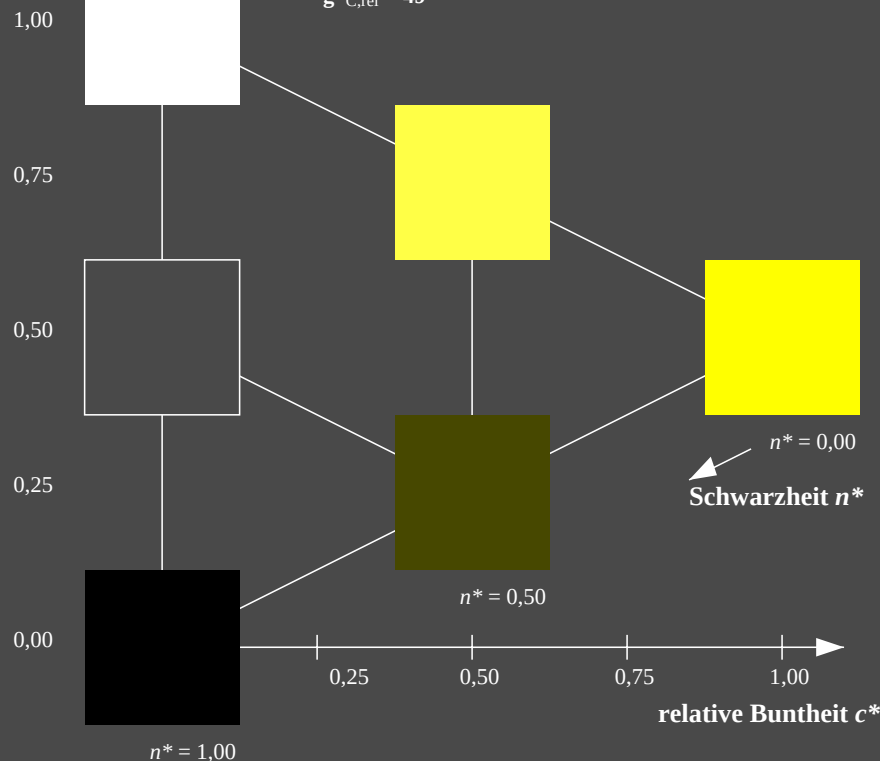
D65: Buntton Y  
LCH\*Ma: 90 92 96  
rgb\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

5stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

BAM-Prüfvorlage UG66; Farbmétrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

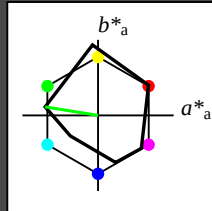
input: `cmY0* setcmykcolor`  
output: `olv* setrgbcolor / w* setgray`

### Eingabe: Farbmétrisches Reflexions-System MRS18a

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

D65: Buntton G  
LCH\*Ma: 52 71 171  
rgb\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

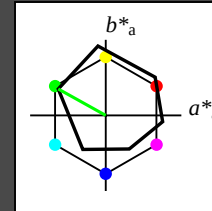
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmétrisches Reflexions-System ORS18

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

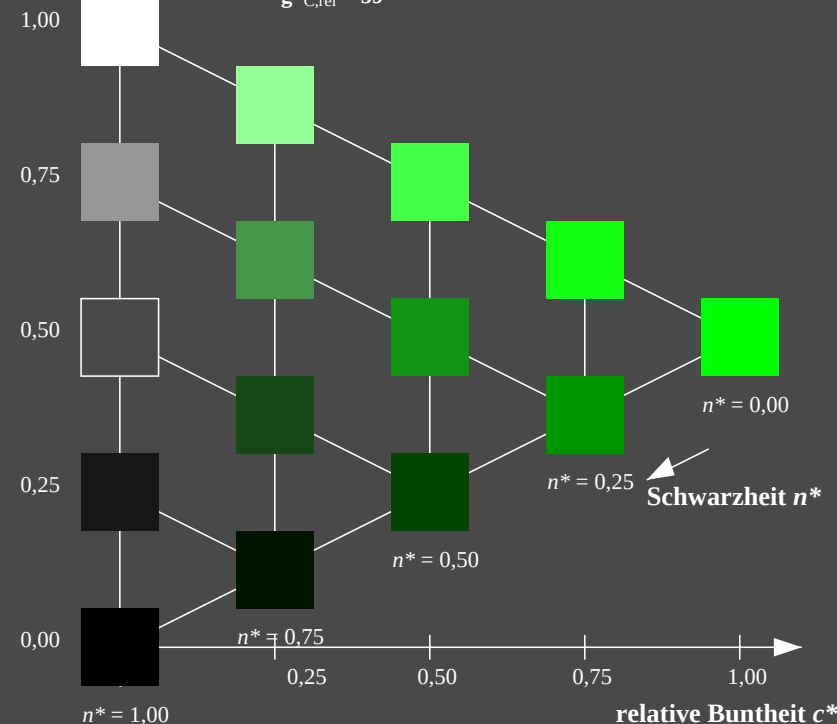
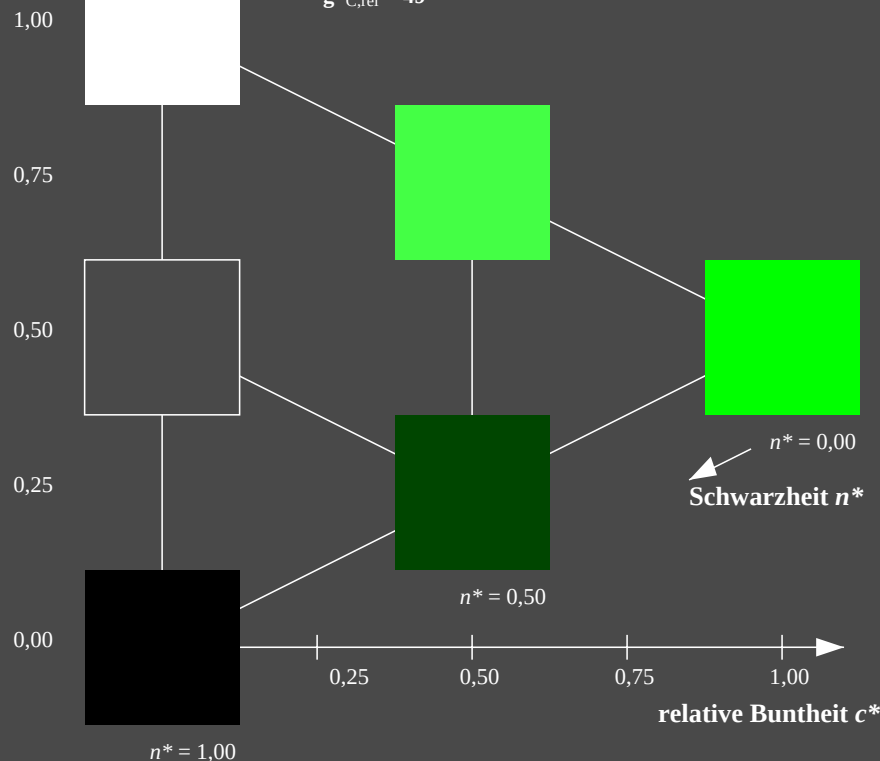
D65: Buntton L  
LCH\*Ma: 51 72 151  
rgb\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (links)

5stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage UG66; Farbmétrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

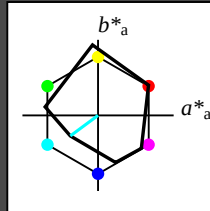
output: `olv* setrgbcolor / w* setgray`

### Eingabe: Farbmetrisches Reflexions-System MRS18a

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

D65: Buntton G50B  
LCH\*Ma: 45 46 217  
rgb\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

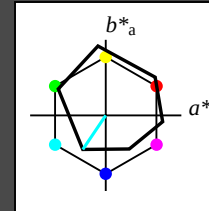
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmetrisches Reflexions-System ORS18

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

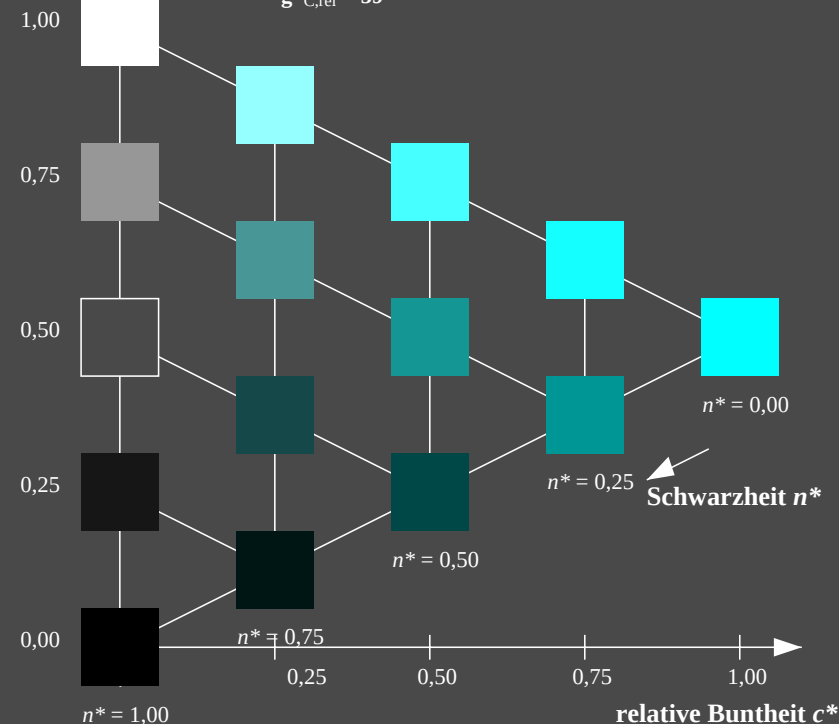
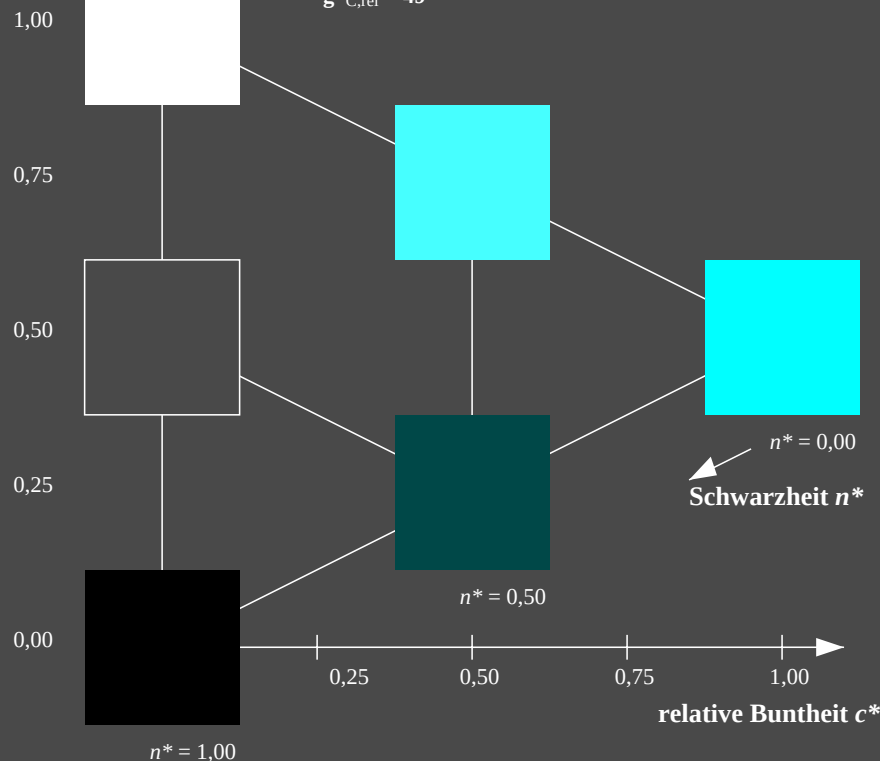
D65: Buntton C  
LCH\*Ma: 59 54 236  
rgb\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50B <sub>Ma</sub>             | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| B <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50R <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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

5stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

BAM-Prüfvorlage UG66; Farbmetrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

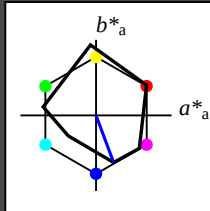
output: `olv* setrgbcolor / w* setgray`

### Eingabe: Farbmétrisches Reflexions-System MRS18a

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

D65: Buntton B  
LCH\*Ma: 37 66 290  
rgb\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

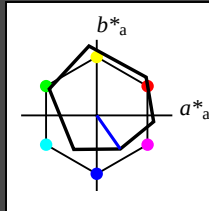
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmétrisches Reflexions-System ORS18

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

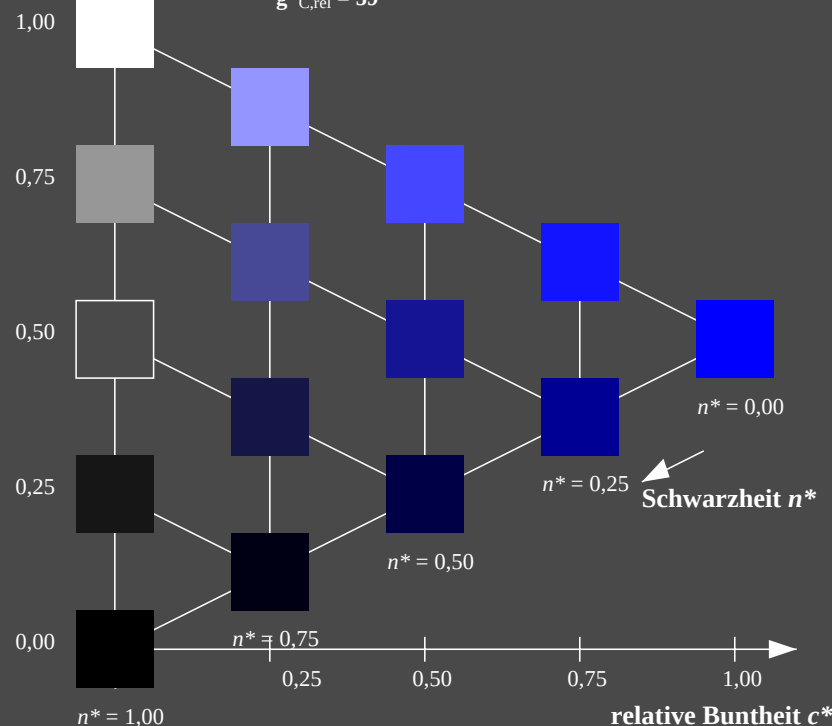
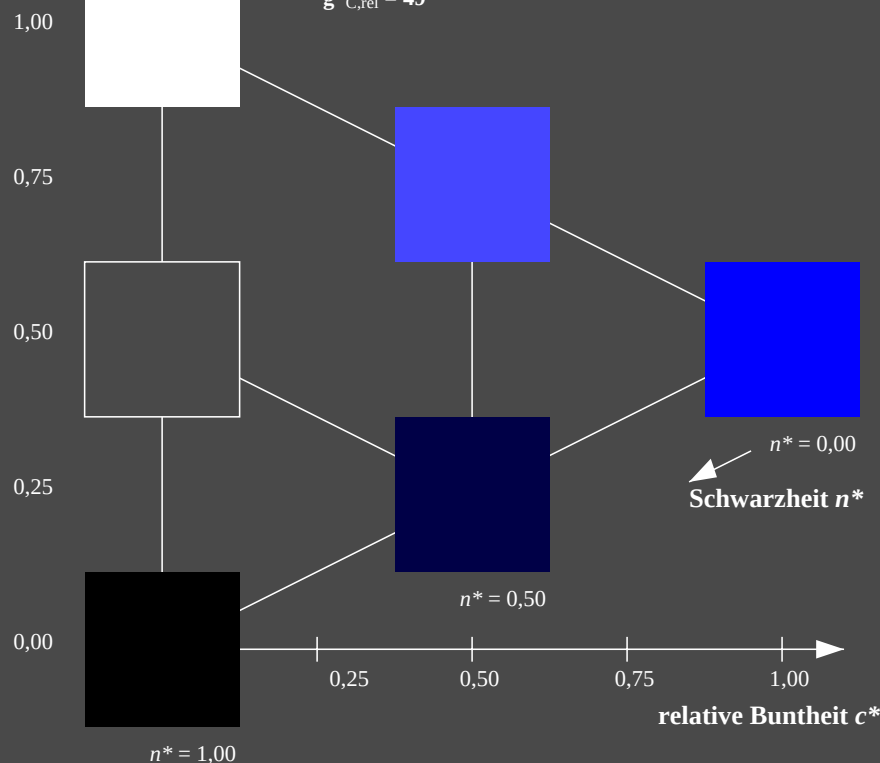
D65: Buntton V  
LCH\*Ma: 26 54 305  
rgb\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

5stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

BAM-Prüfvorlage UG66; Farbmétrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

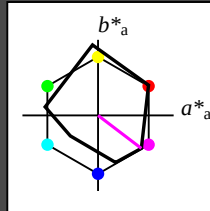
output: `olv* setrgbcolor / w* setgray`

### Eingabe: Farbmétrisches Reflexions-System MRS18a

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

D65: Buntton B50R  
LCH\*Ma: 35 72 323  
rgb\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

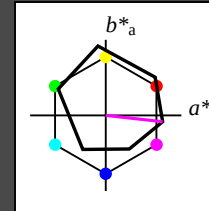
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmétrisches Reflexions-System ORS18

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

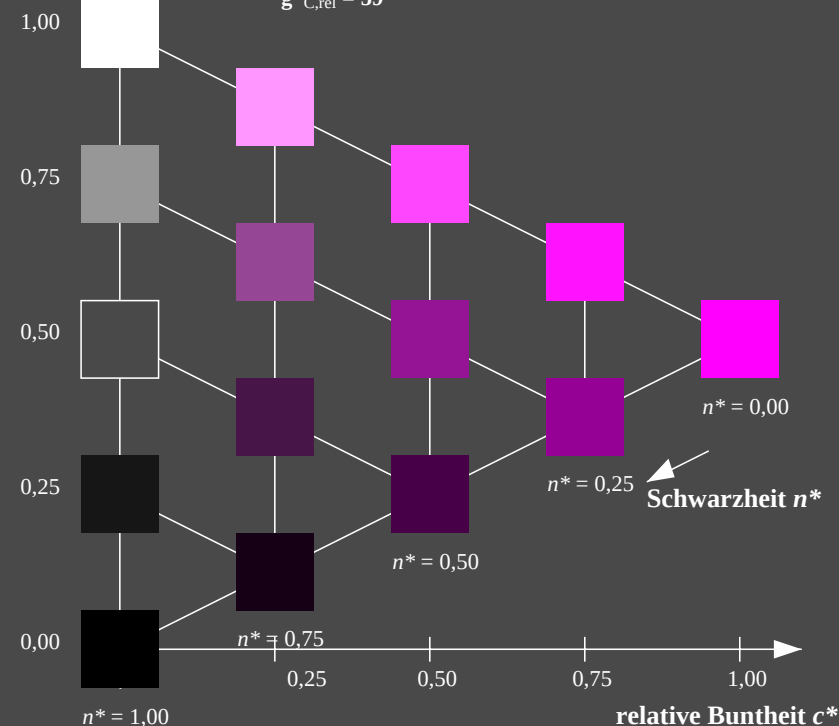
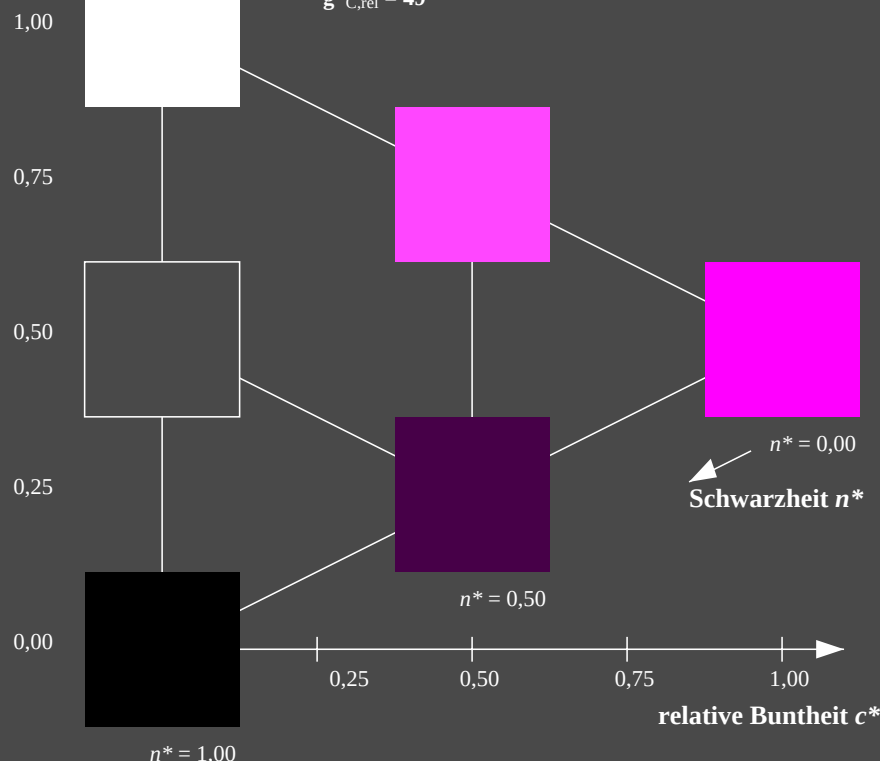
D65: Buntton M  
LCH\*Ma: 48 76 354  
rgb\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

5stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

BAM-Prüfvorlage UG66; Farbmétrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

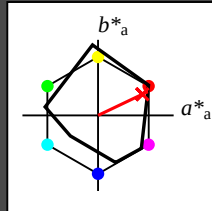
output: `olv* setrgbcolor / w* setgray`

### Eingabe: Farbmétrisches Reflexions-System MRS18a

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

D65: Buntton R  
LCH\*Ma: 48 73 25  
rgb\*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

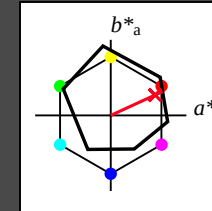
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmétrisches Reflexions-System ORS18

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

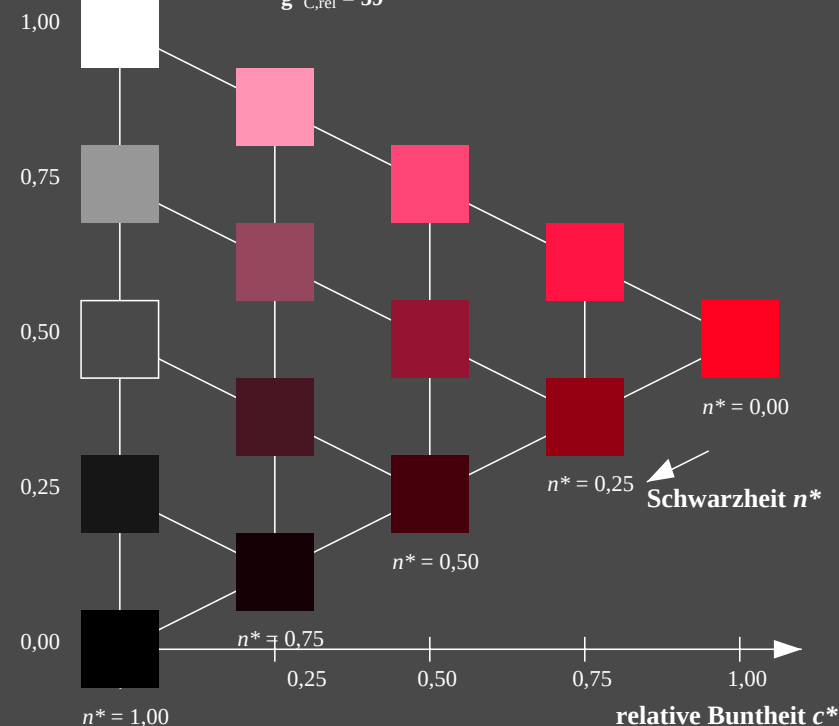
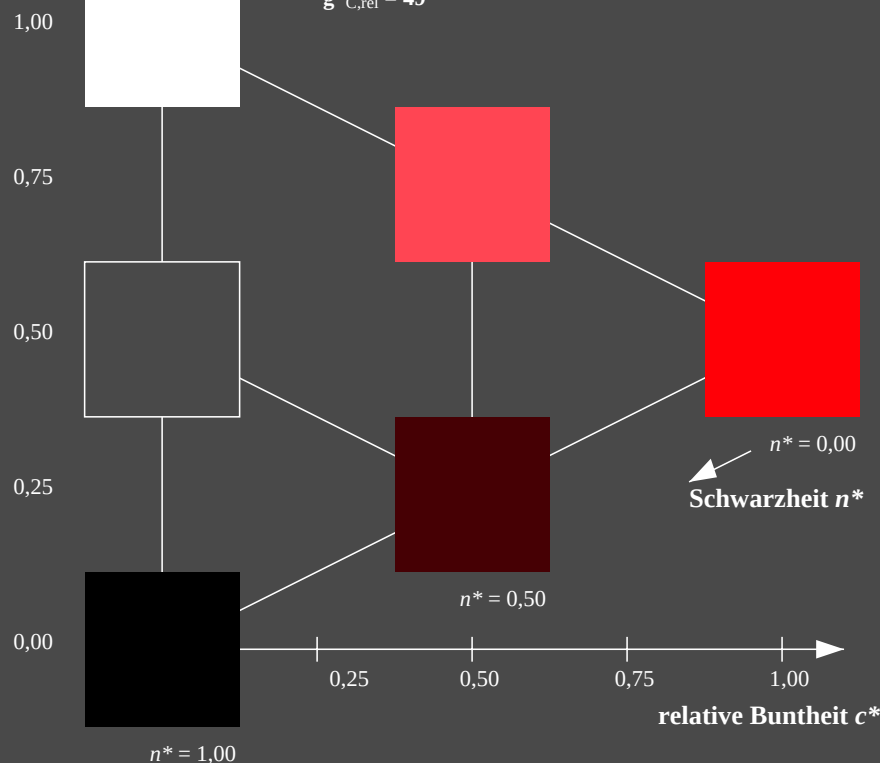
D65: Buntton R  
LCH\*Ma: 48 75 25  
rgb\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

BAM-Prüfvorlage UG66; Farbmétrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

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

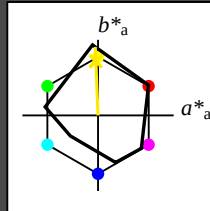


### Eingabe: Farbmetrisches Reflexions-System MRS18a

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

D65: Buntton J  
LCH\*Ma: 89 91 92  
rgb\*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

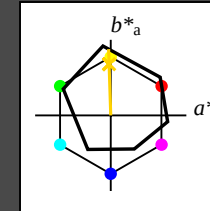
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmetrisches Reflexions-System ORS18

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

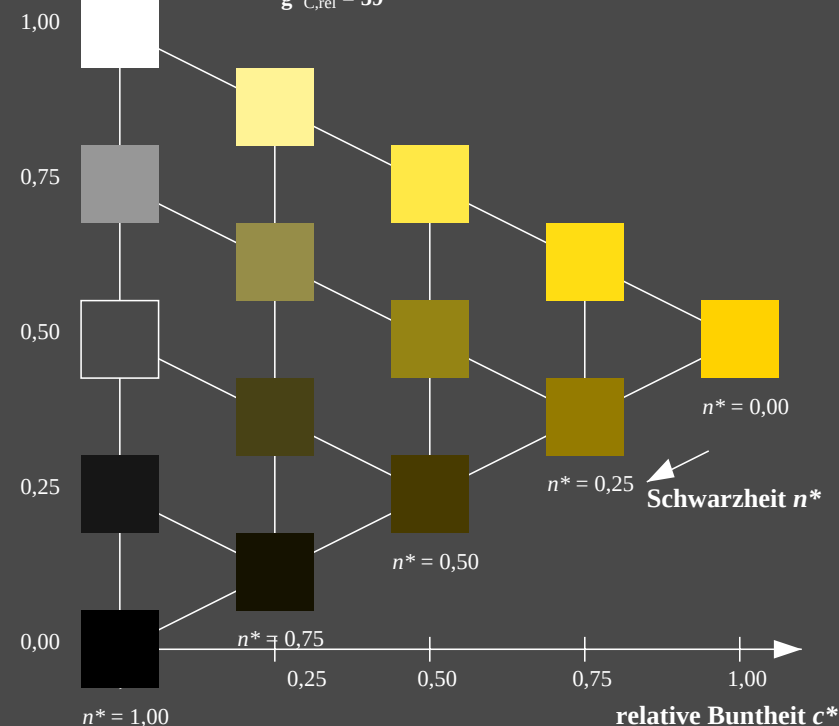
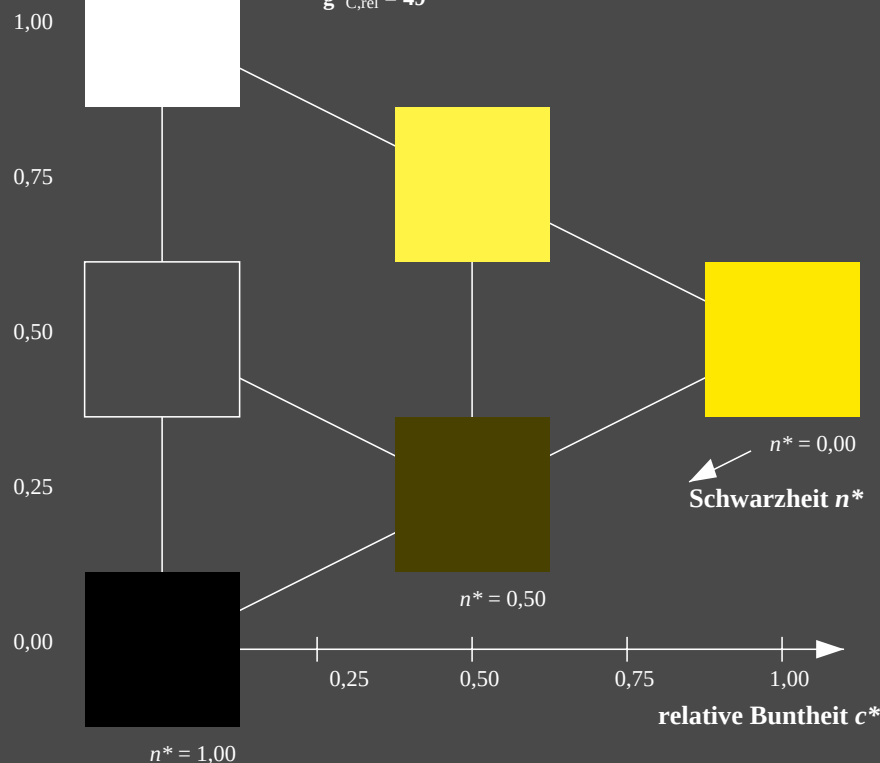
D65: Buntton J  
LCH\*Ma: 86 88 92  
rgb\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage UG66; Farbmetrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

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

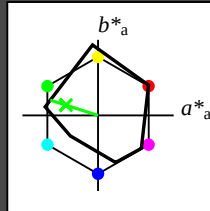


### Eingabe: Farbmétrisches Reflexions-System MRS18a

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

D65: Buntton G  
LCH\*Ma: 56 66 162  
rgb\*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

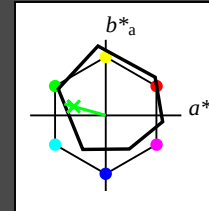
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmétrisches Reflexions-System ORS18

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

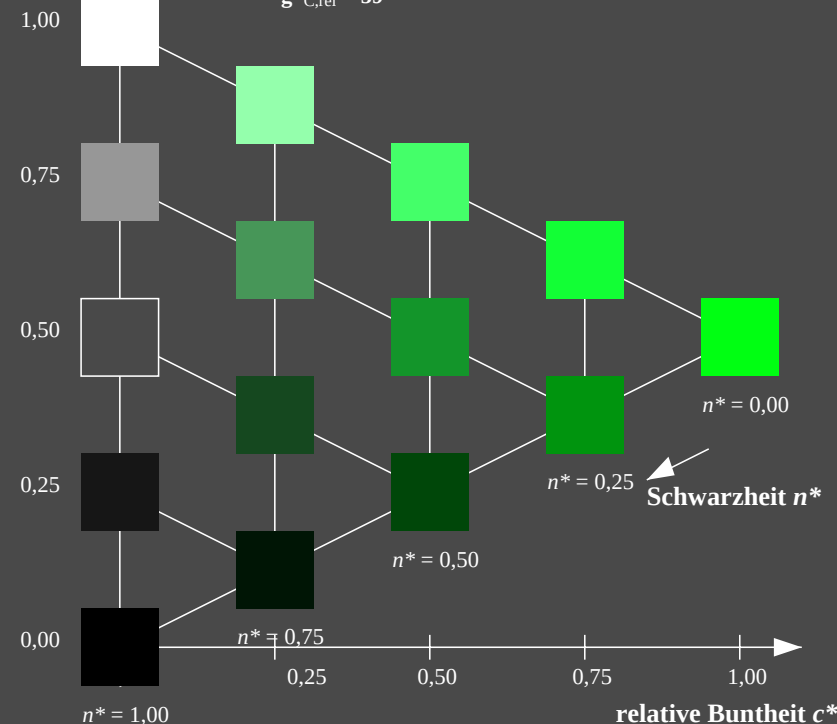
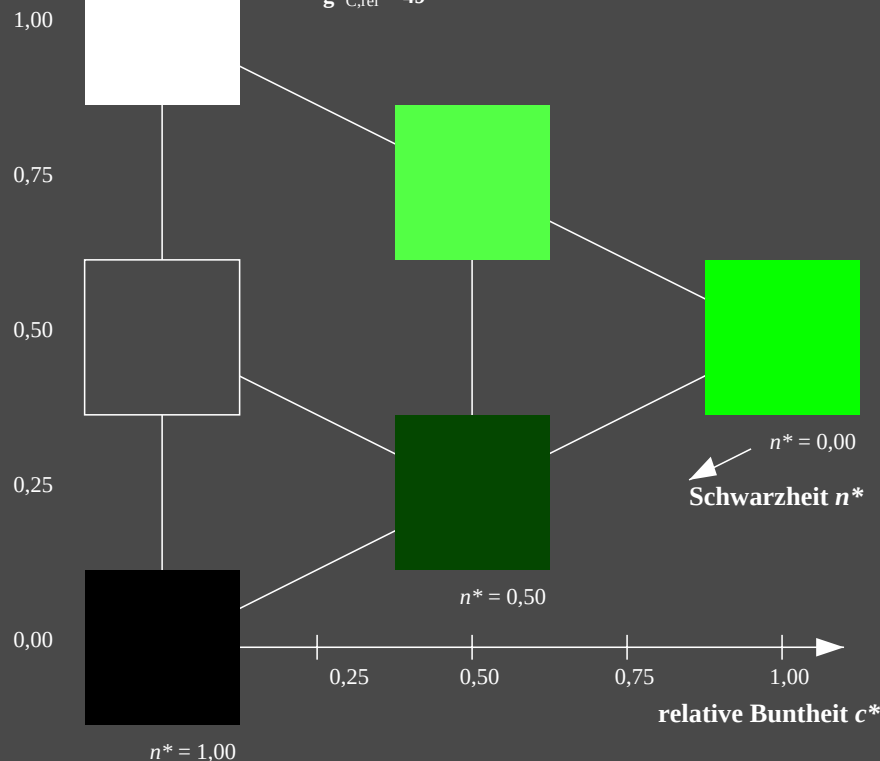
D65: Buntton G  
LCH\*Ma: 53 57 164  
rgb\*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50B <sub>Ma</sub>             | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| B <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50R <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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage UG66; Farbmétrik-Systeme MRS18a & ORS18a

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

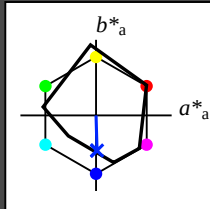
output: `olv* setrgbcolor / w* setgray`

### Eingabe: Farbmétrisches Reflexions-System MRS18a

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

D65: Buntton B  
LCH\*Ma: 40 49 272  
rgb\*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 92$   
%Regularität  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$

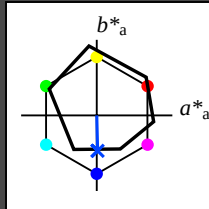
| MRS18a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
|                                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

### Ausgabe: Farbmétrisches Reflexions-System ORS18

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

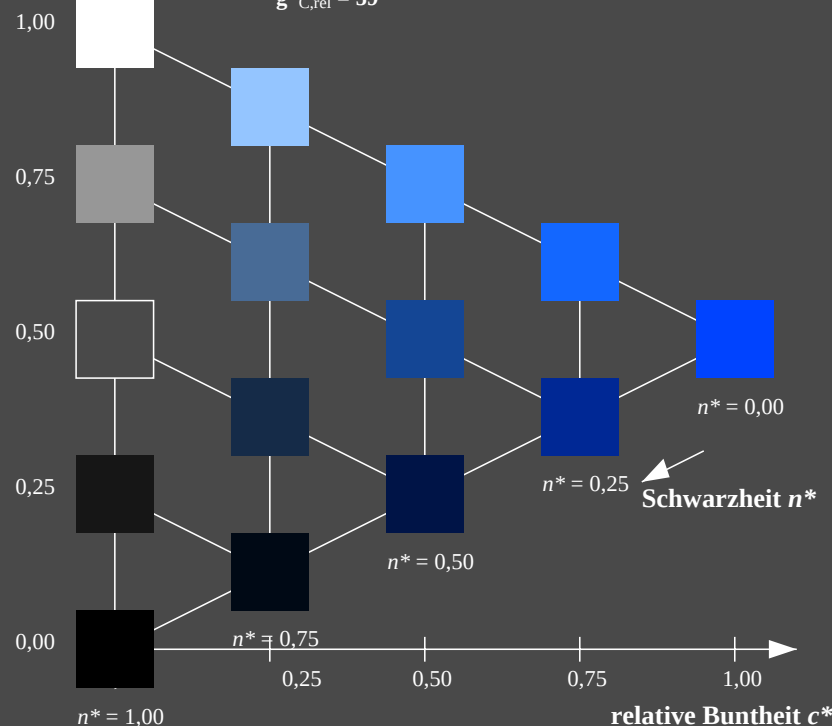
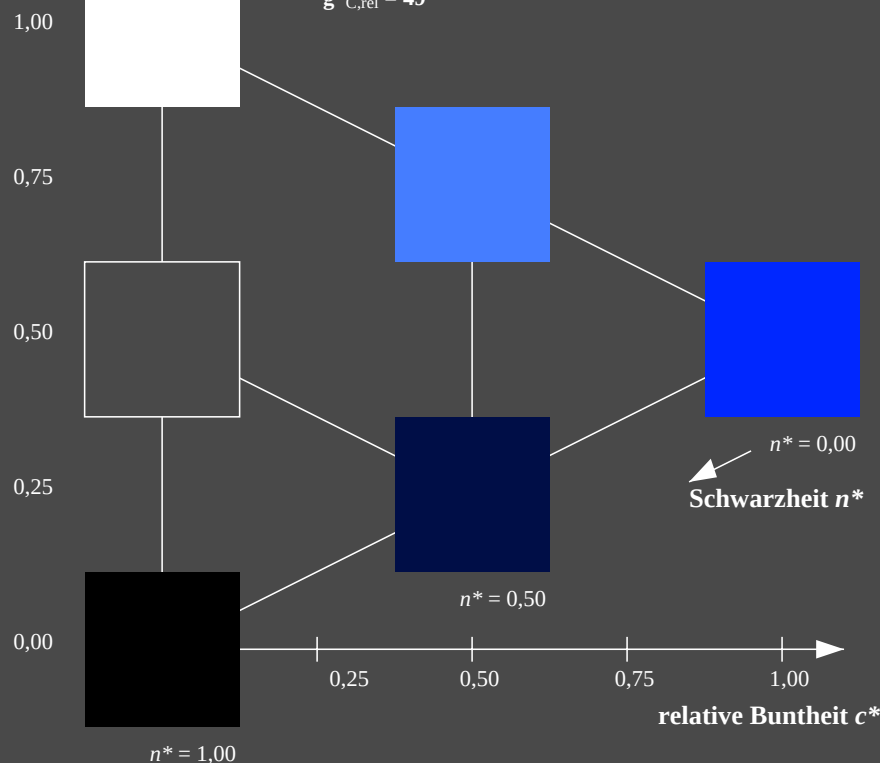
D65: Buntton B  
LCH\*Ma: 42 45 271  
rgb\*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |



UG660-7, 3stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage UG66; Farbmétrik-Systeme MRS18a & ORS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

output: `olv* setrgbcolor / w* setgray`