

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

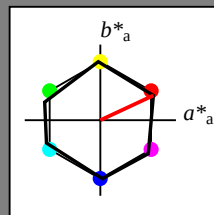
für Buntton  $h^* = lab^*h = 25/360 = 0.069$

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

D65: Buntton R

LCH\*Ma: 57 77 25

olv\*Ma: 1.0 0.0 0.0



CNS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa                | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa                | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50B <sub>Ma</sub> | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| B <sub>Ma</sub>    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50R <sub>Ma</sub> | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| 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       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE               | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE               | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE               | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

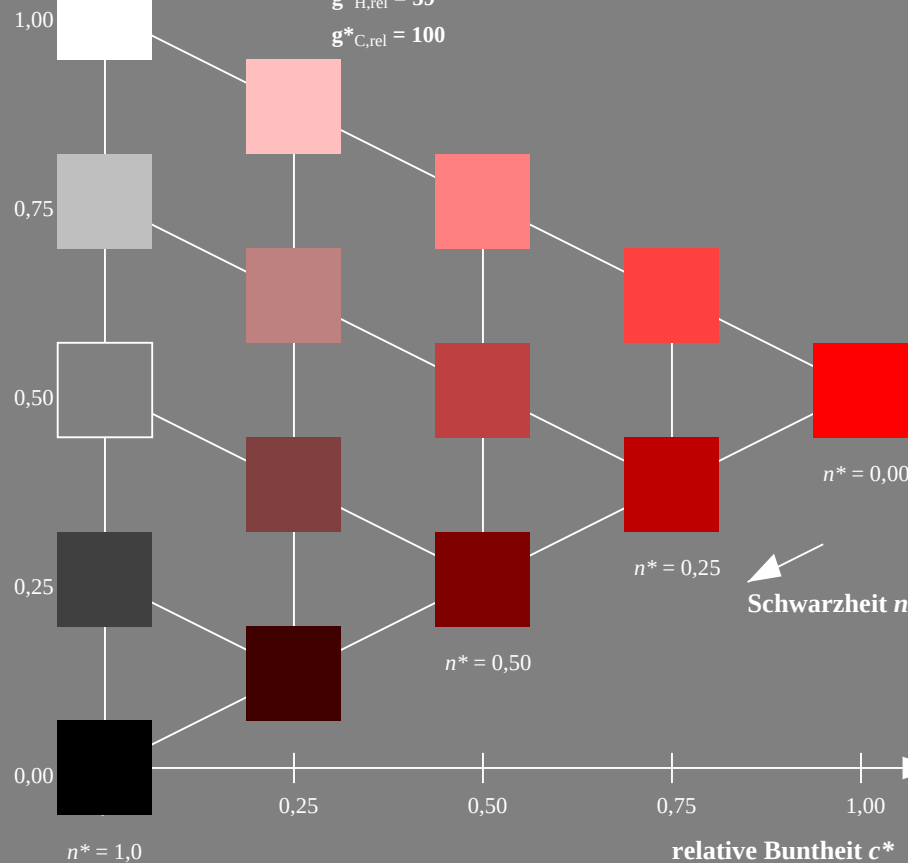
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

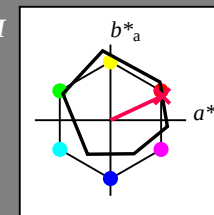
für Buntton  $h^* = lab^*h = 25/360 = 0.069$

$LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton O

LCH\*Ma: 48 76 25

olv\*Ma: 1.0 0.0 0.32



ORS18; adaptierte CIELAB-Daten

|                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-------------|---------|---------|--------------|--------------|
| OMa             | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa             | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa             | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa             | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub> | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub> | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE            | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE            | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE            | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

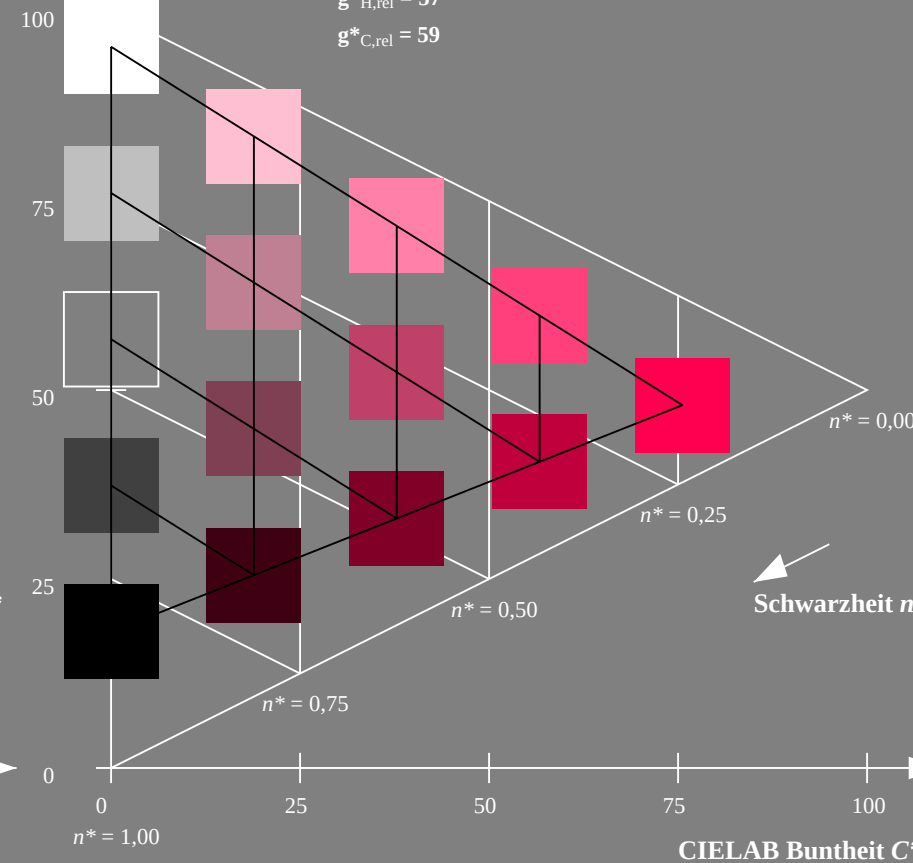
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

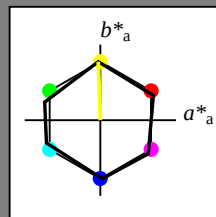
für Buntton  $h^* = lab^*h = 92/360 = 0.256$

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

D65: Buntton J

LCH\*Ma: 57 77 92

olv\*Ma: 1.0 1.0 0.0



CNS18; adaptierte CIELAB-Daten

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa    | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa    | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50BMa | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| BMa    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50RMa | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| NMa    | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

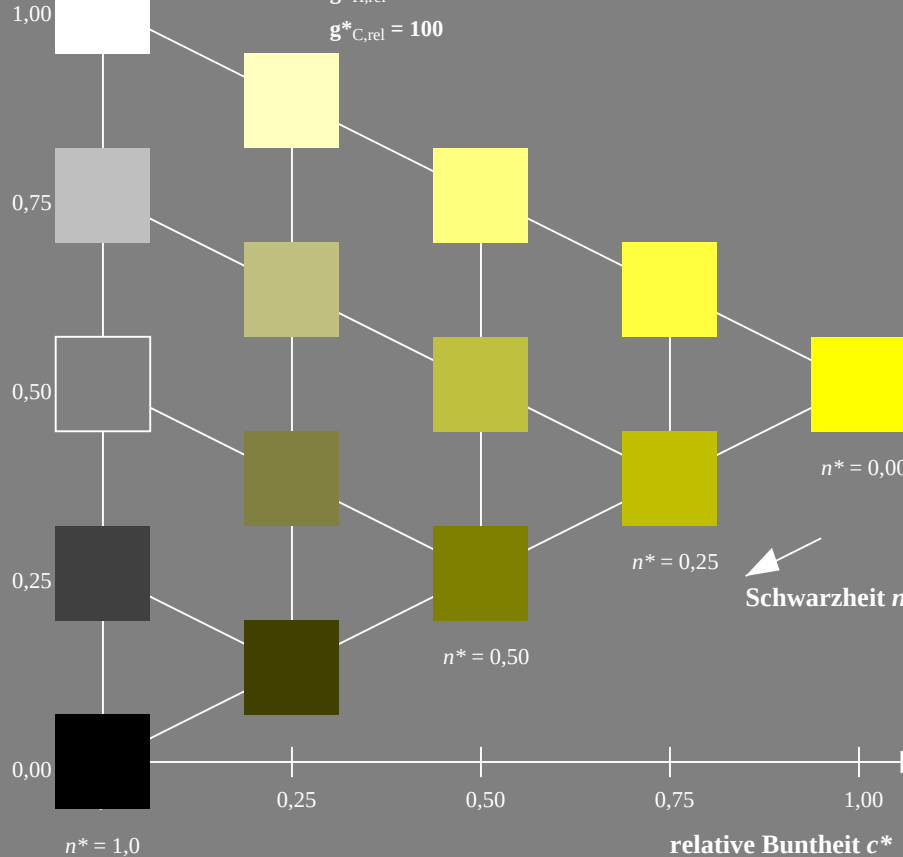
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

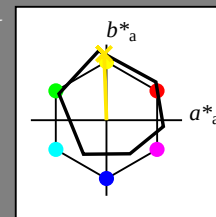
für Buntton  $h^* = lab^*h = 92/360 = 0.256$

$LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton Y

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0



ORS18; adaptierte CIELAB-Daten

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa  | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

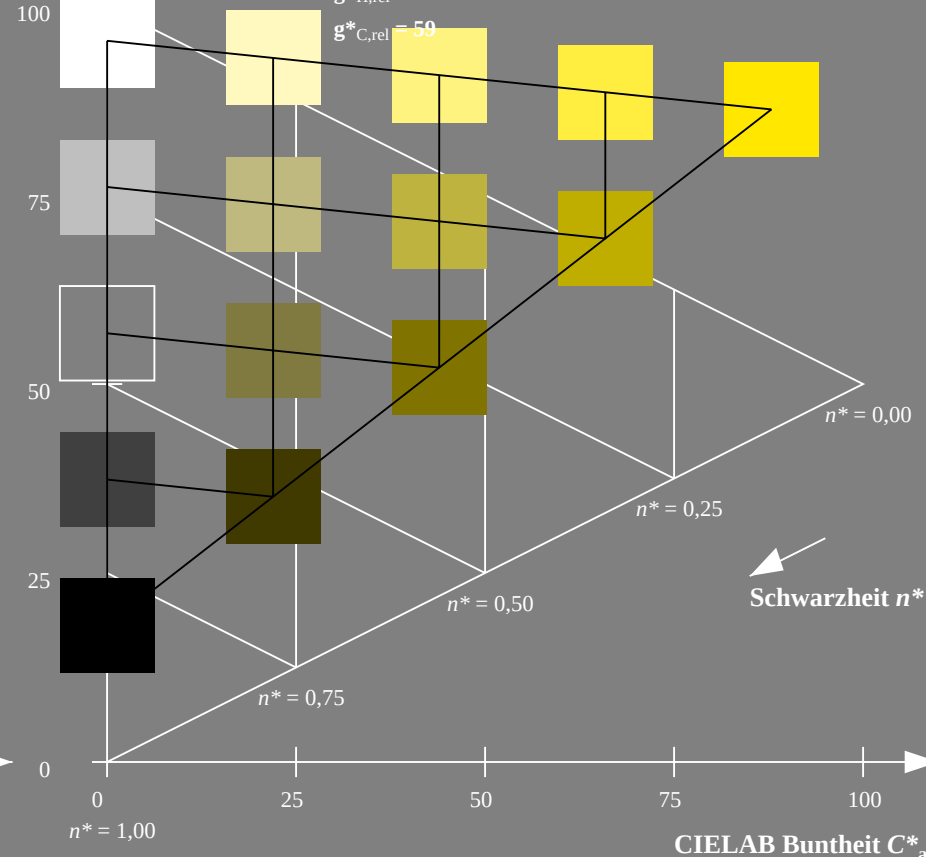
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

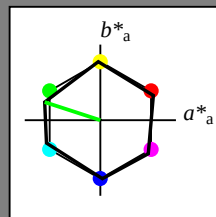
für Buntton  $h^* = lab^*h = 162/360 = 0.45$

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

D65: Buntton G

$LCH^*Ma$ : 57 77 162

$olv^*Ma$ : 0.0 1.0 0.0



CNS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| R <sub>Ma</sub>    | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| J <sub>Ma</sub>    | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| G <sub>Ma</sub>    | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50B <sub>Ma</sub> | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| B <sub>Ma</sub>    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50R <sub>Ma</sub> | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| 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            |
| R <sub>CIE</sub>   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

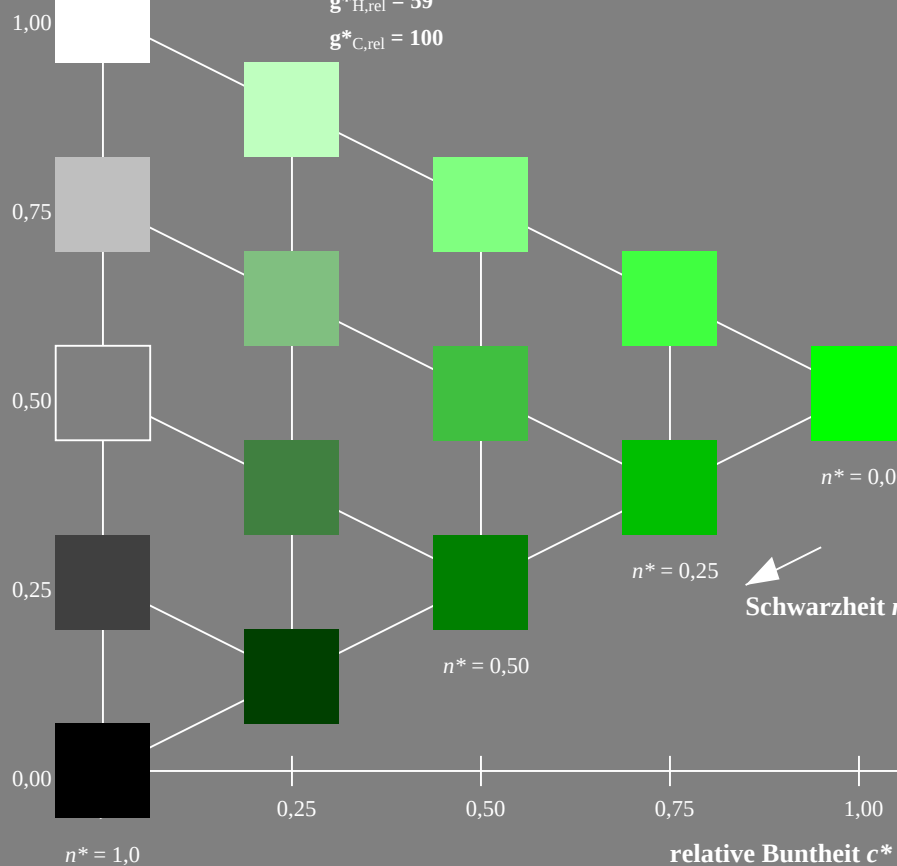
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.45 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

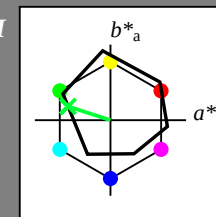
für Buntton  $h^* = lab^*h = 162/360 = 0.45$

$LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton L

$LCH^*Ma$ : 53 59 162

$olv^*Ma$ : 0.0 1.0 0.21



ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 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            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

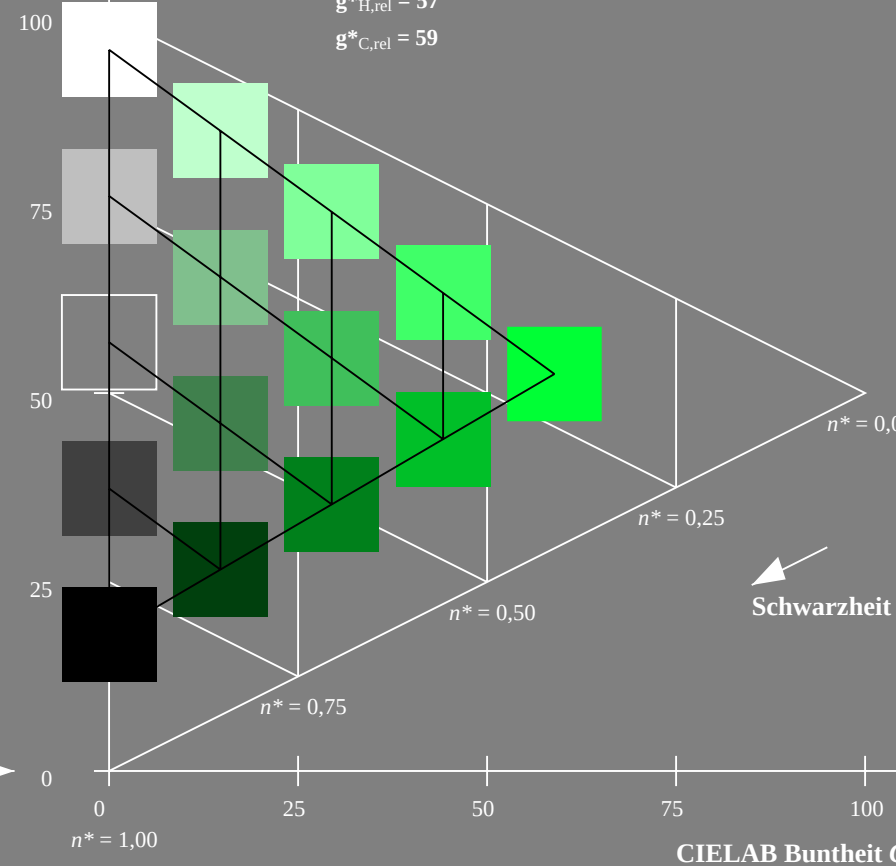
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.45 (rechts)

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

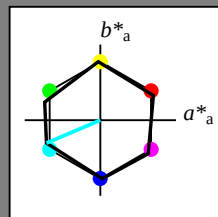
für Buntton  $h^* = lab^*h = 203/360 = 0.564$

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

D65: Buntton G50B

LCH\*Ma: 57 77 203

olv\*Ma: 0.0 1.0 1.0



CNS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa                | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa                | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50B <sub>Ma</sub> | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| B <sub>Ma</sub>    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50R <sub>Ma</sub> | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| 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       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE               | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE               | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE               | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

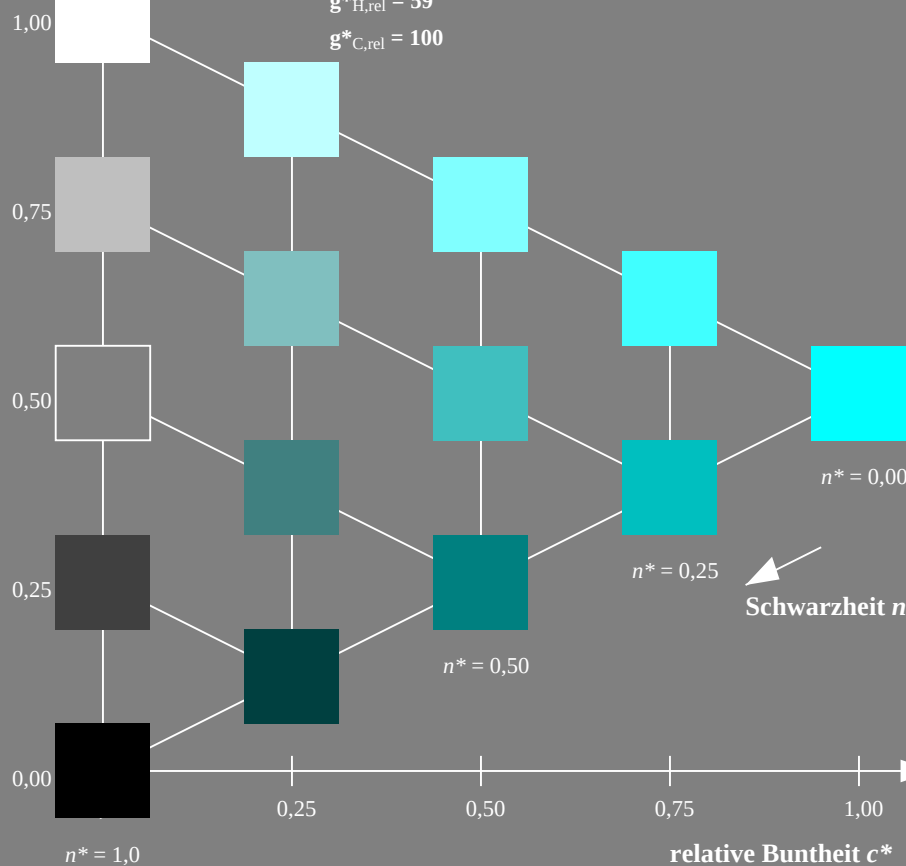
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

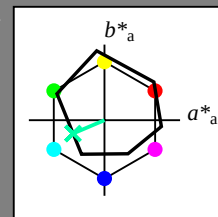
für Buntton  $h^* = lab^*h = 203/360 = 0.564$

$LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton C

LCH\*Ma: 56 45 203

olv\*Ma: 0.0 1.0 0.66



ORS18; adaptierte CIELAB-Daten

|                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-------------|---------|---------|--------------|--------------|
| OMa             | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa             | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa             | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa             | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub> | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub> | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE            | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE            | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE            | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

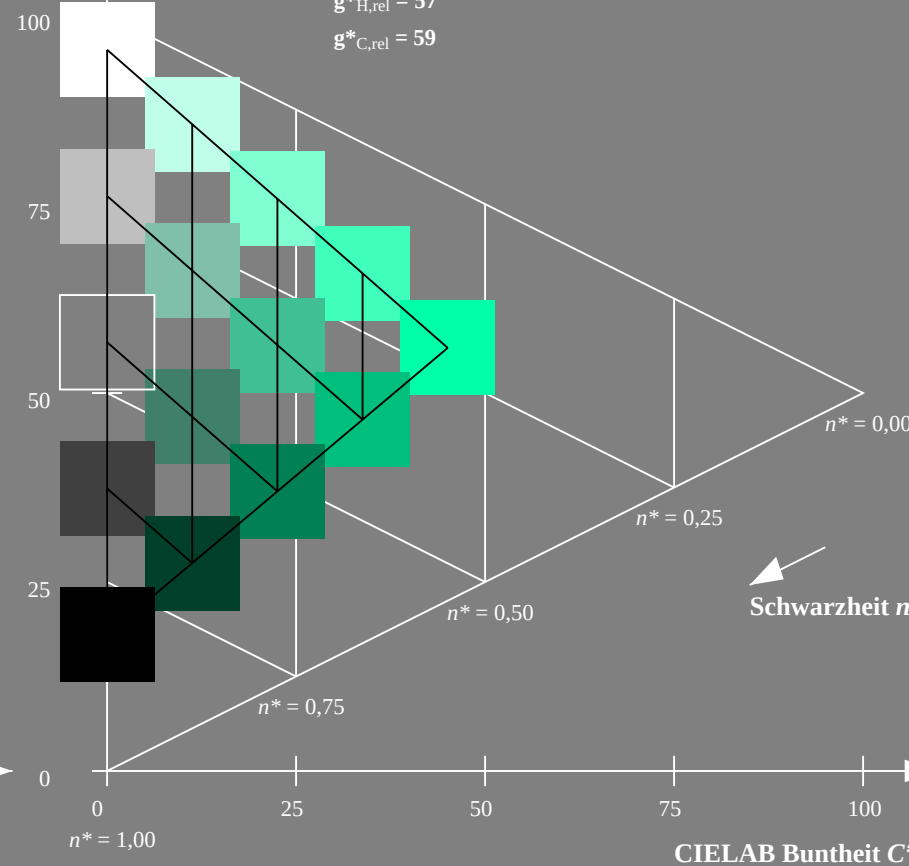
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

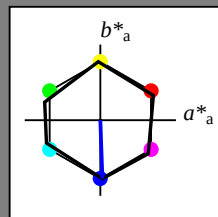
für Buntton  $h^* = lab^*h = 272/360 = 0.756$

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

D65: Buntton B

LCH\*Ma: 57 77 272

olv\*Ma: 0.0 0.0 1.0



CNS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa                | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa                | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50B <sub>Ma</sub> | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| B <sub>Ma</sub>    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50R <sub>Ma</sub> | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| 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       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE               | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE               | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE               | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

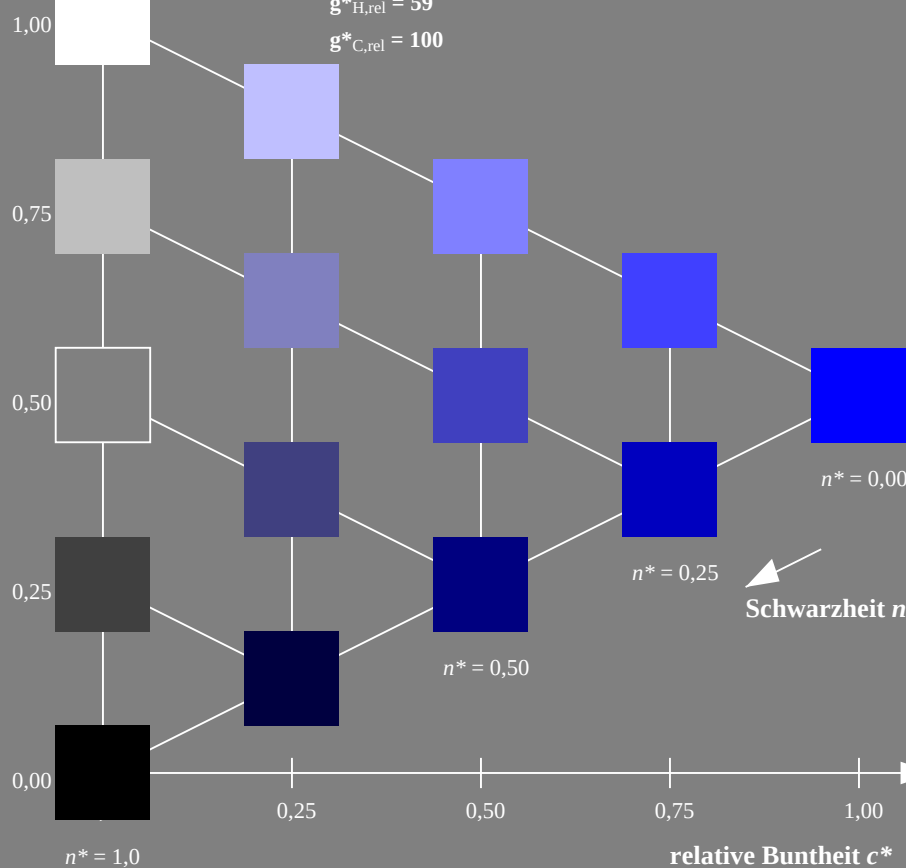
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.756 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

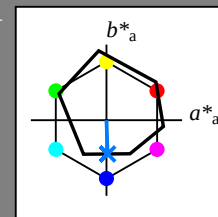
für Buntton  $h^* = lab^*h = 272/360 = 0.756$

$LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton V

LCH\*Ma: 42 45 272

olv\*Ma: 0.0 0.48 1.0



ORS18; adaptierte CIELAB-Daten

|                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-------------|---------|---------|--------------|--------------|
| OMa             | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa             | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa             | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa             | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub> | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub> | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE            | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE            | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE            | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

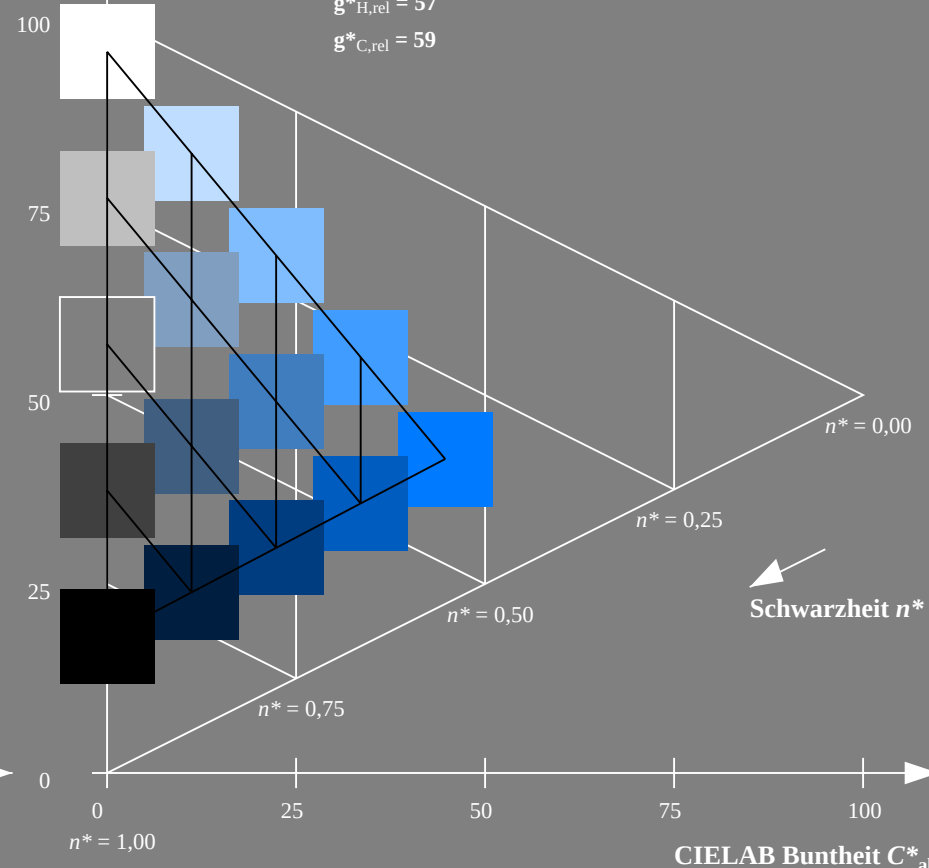
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.756 (rechts)

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

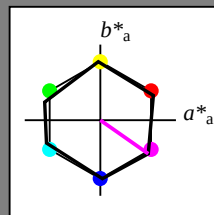
für Buntton  $h^* = lab^*h = 325/360 = 0.903$

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

D65: Buntton B50R

$LCH^*Ma$ : 57 77 325

$olv^*Ma$ : 1.0 0.0 1.0



CNS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa                | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa                | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50B <sub>Ma</sub> | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| B <sub>Ma</sub>    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50R <sub>Ma</sub> | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| 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       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE               | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE               | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE               | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

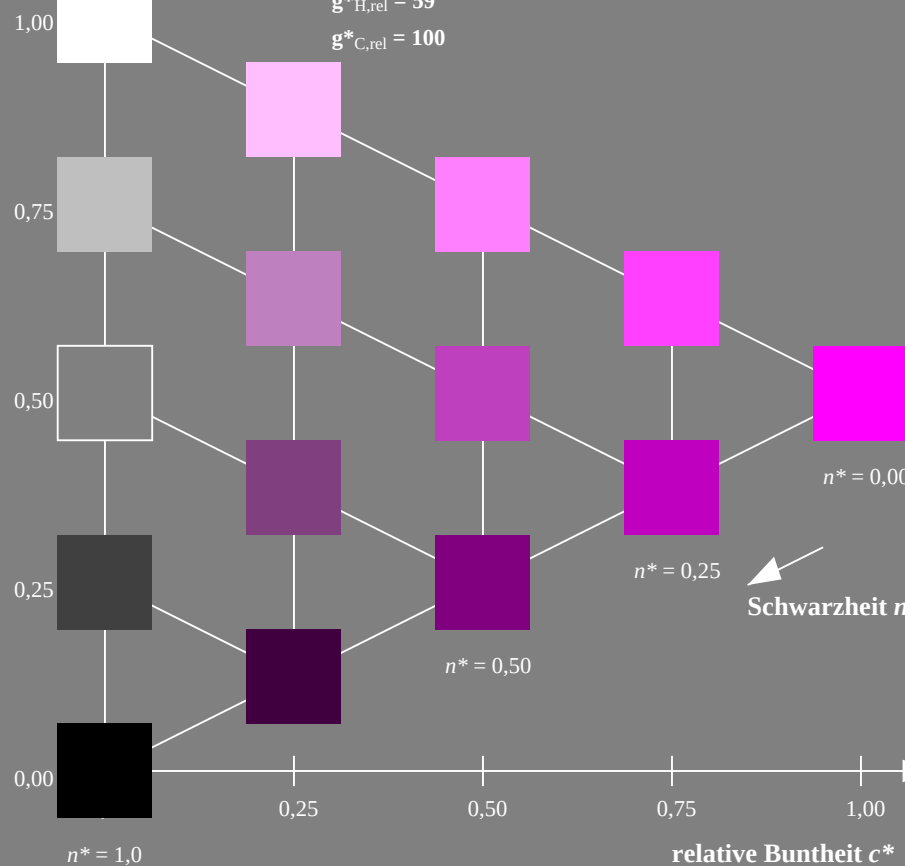
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

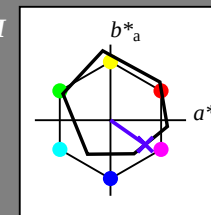
für Buntton  $h^* = lab^*h = 325/360 = 0.903$

$LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton M

$LCH^*Ma$ : 33 56 325

$olv^*Ma$ : 0.34 0.0 1.0



ORS18; adaptierte CIELAB-Daten

|                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-------------|---------|---------|--------------|--------------|
| OMa             | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa             | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa             | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa             | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub> | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub> | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE            | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE            | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE            | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

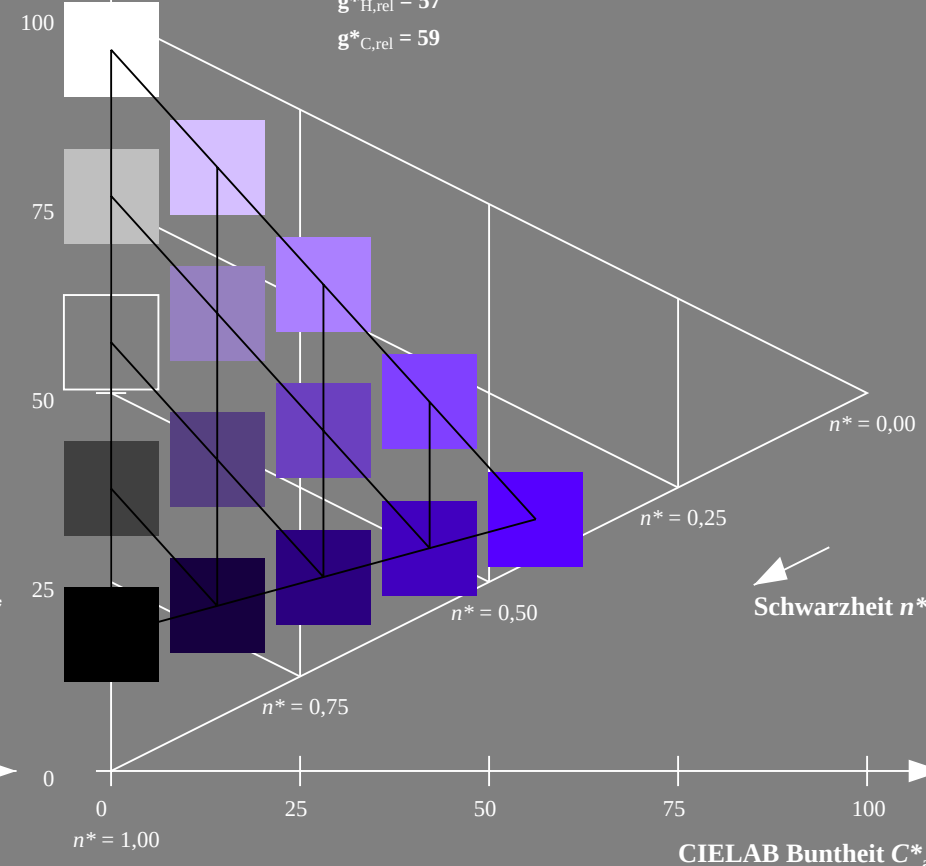
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

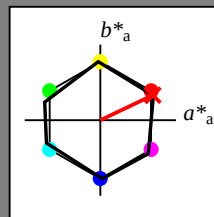
BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton R  
LCH\*Ma: 57 77 25  
olv\*Ma: 1.0 0.01 0.0



CNS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa                | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa                | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50B <sub>Ma</sub> | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| B <sub>Ma</sub>    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50R <sub>Ma</sub> | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| 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       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE               | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE               | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE               | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

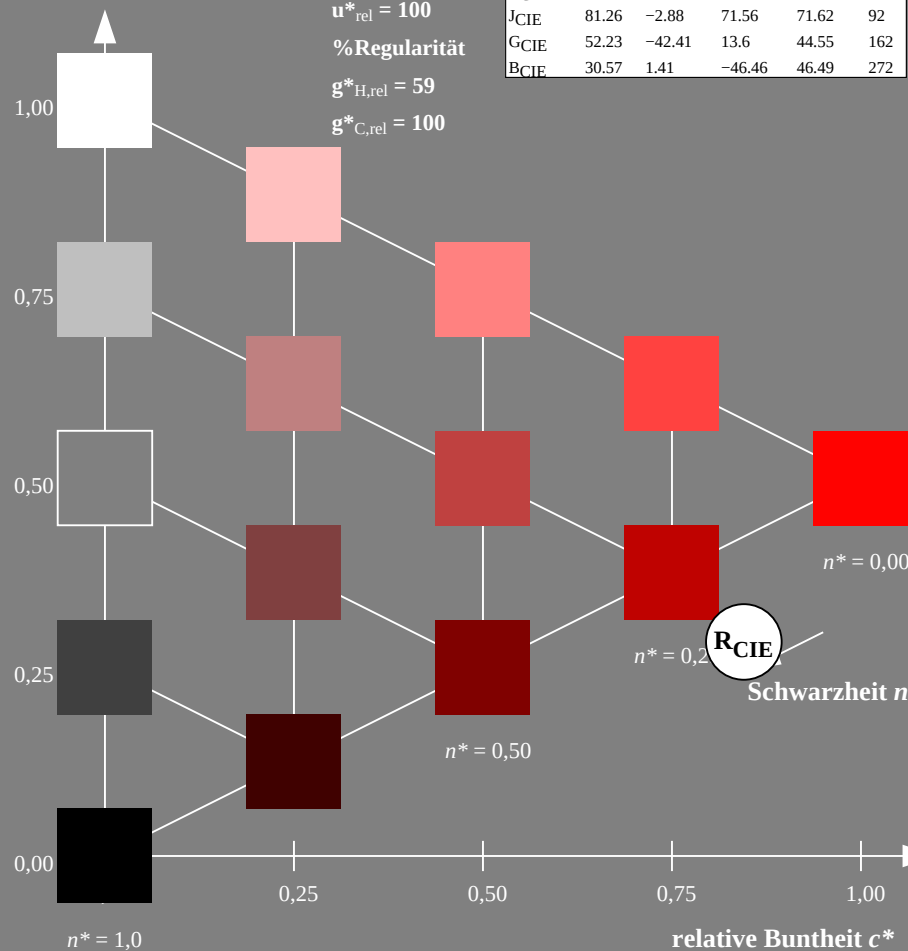
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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

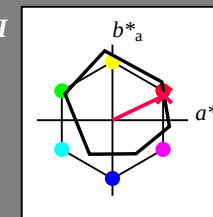


VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 25/360 = 0.071$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton R  
LCH\*Ma: 48 76 25  
olv\*Ma: 1.0 0.0 0.3



ORS18; adaptierte CIELAB-Daten

|                 | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-------------|---------|---------|--------------|--------------|
| OMa             | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa             | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa             | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa             | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa             | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa             | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE            | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE            | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE            | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

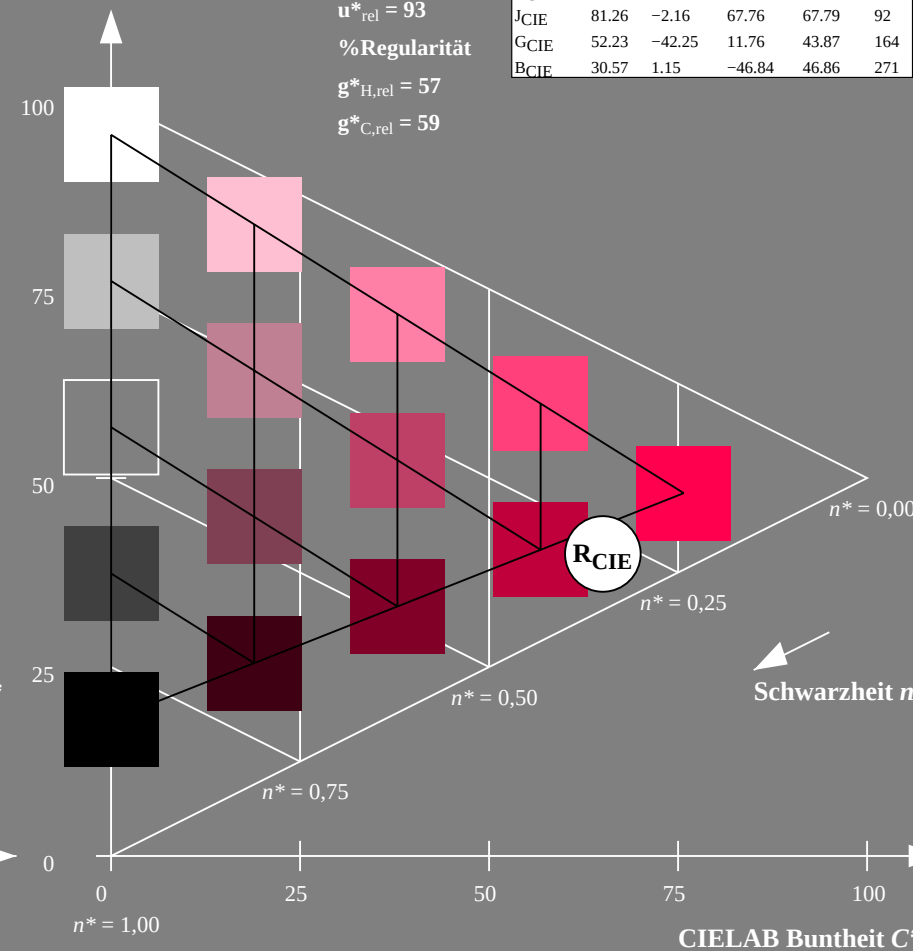
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input



Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

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

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

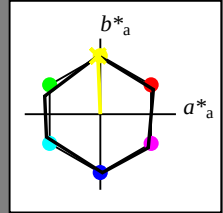
D65: Buntton J

LCH\*Ma: 57 77 92

olv\*Ma: 0.99 1.0 0.0

CNS18; adaptierte CIELAB-Daten

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa    | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa    | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50BMa | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| BMa    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50RMa | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| NMa    | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |



Dreiecks-Helligkeit  $t^*$

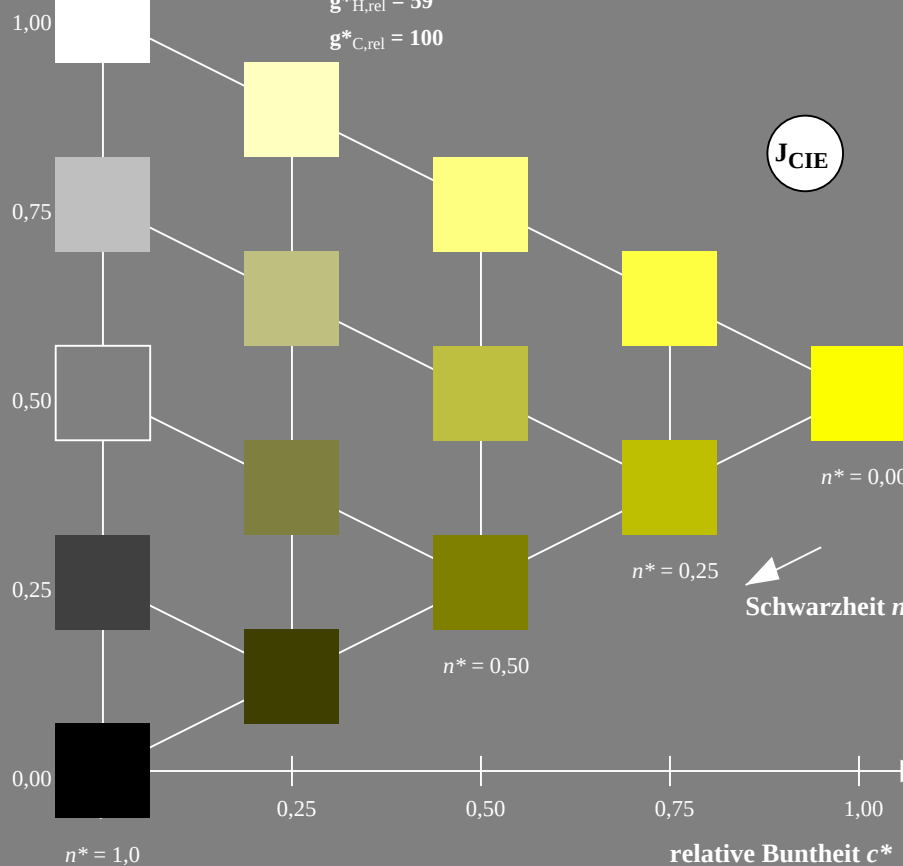
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

$LAB^*LCH$ ,  $LAB^*NCH$

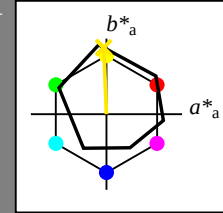
D65: Buntton J

LCH\*Ma: 87 88 92

olv\*Ma: 1.0 0.91 0.0

ORS18; adaptierte CIELAB-Daten

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa  | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.86        | 271          |



CIELAB-Helligkeit  $L^*$

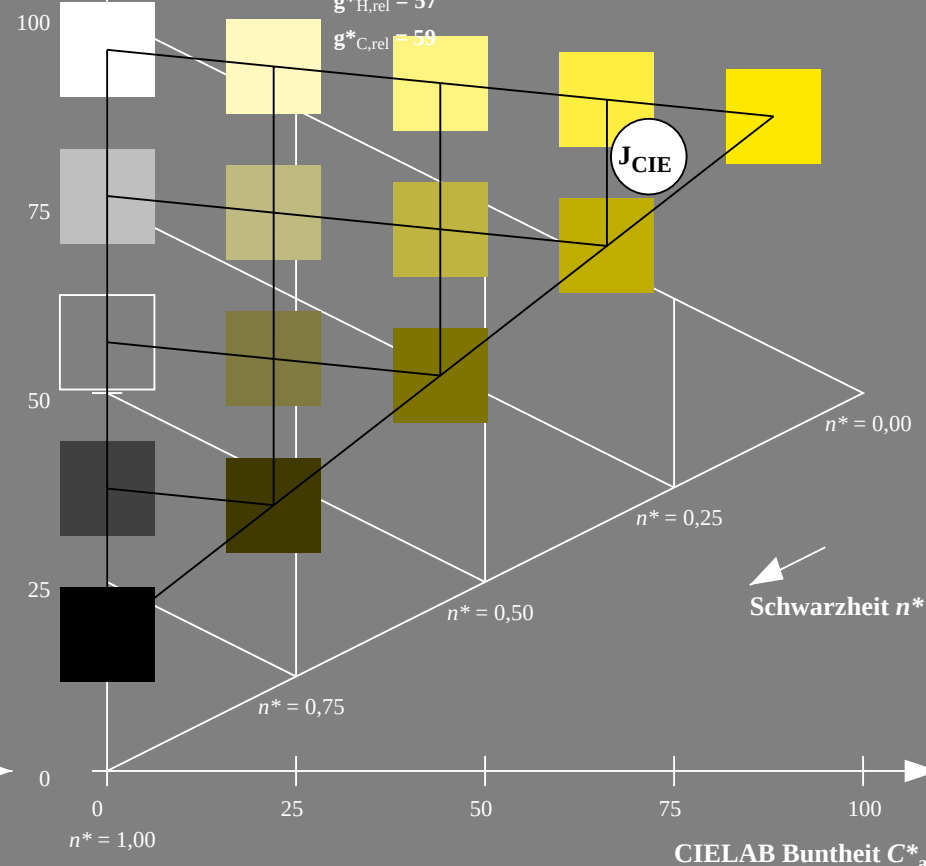
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

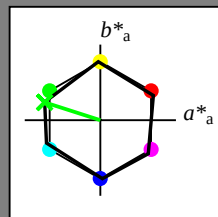
D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input



Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

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

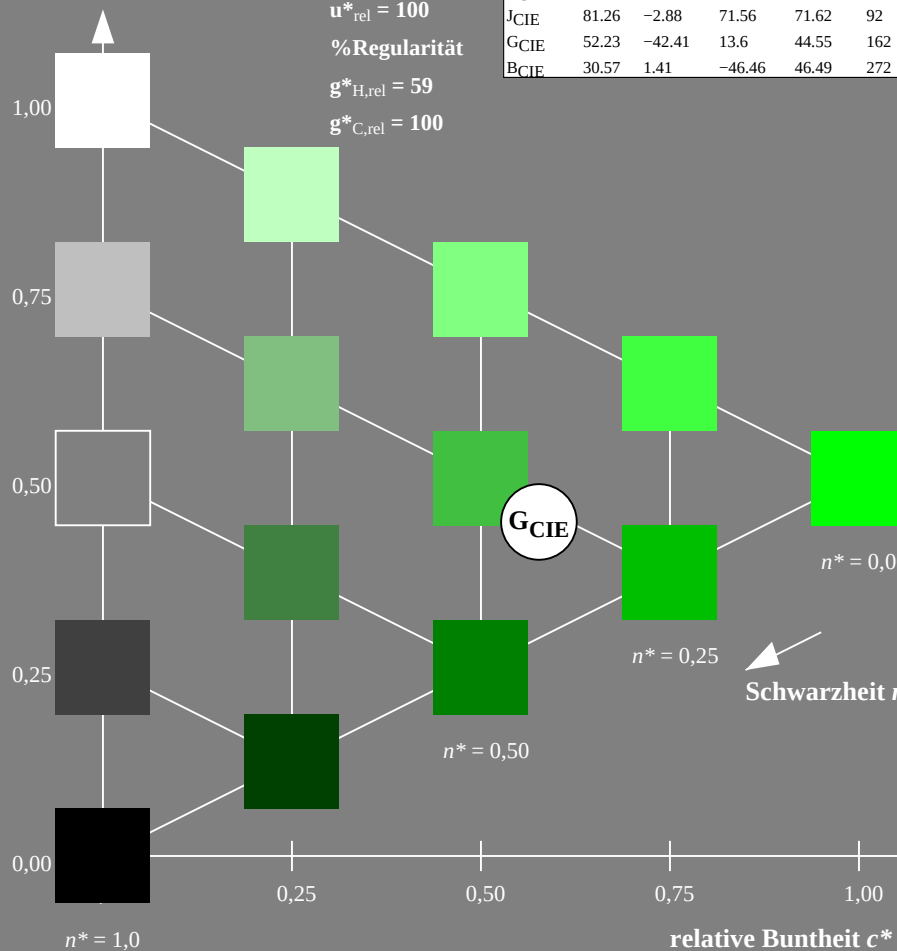
D65: Buntton G  
LCH\*Ma: 57 77 162  
olv\*Ma: 0.0 1.0 0.01



| CNS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa                            | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa                            | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50BMa                         | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| BMa                            | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50RMa                         | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| NMa                            | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                            | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                           | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE                           | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE                           | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE                           | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Dreiecks-Helligkeit  $t^*$

%Umfang  
 $u^*_{rel} = 100$   
%Regularität  
 $g^*_{H,rel} = 59$   
 $g^*_{C,rel} = 100$

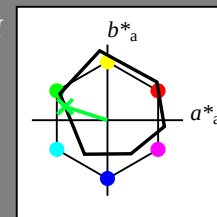


VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 162/360 = 0.451$   
 $LAB^*LCH$ ,  $LAB^*NCH$

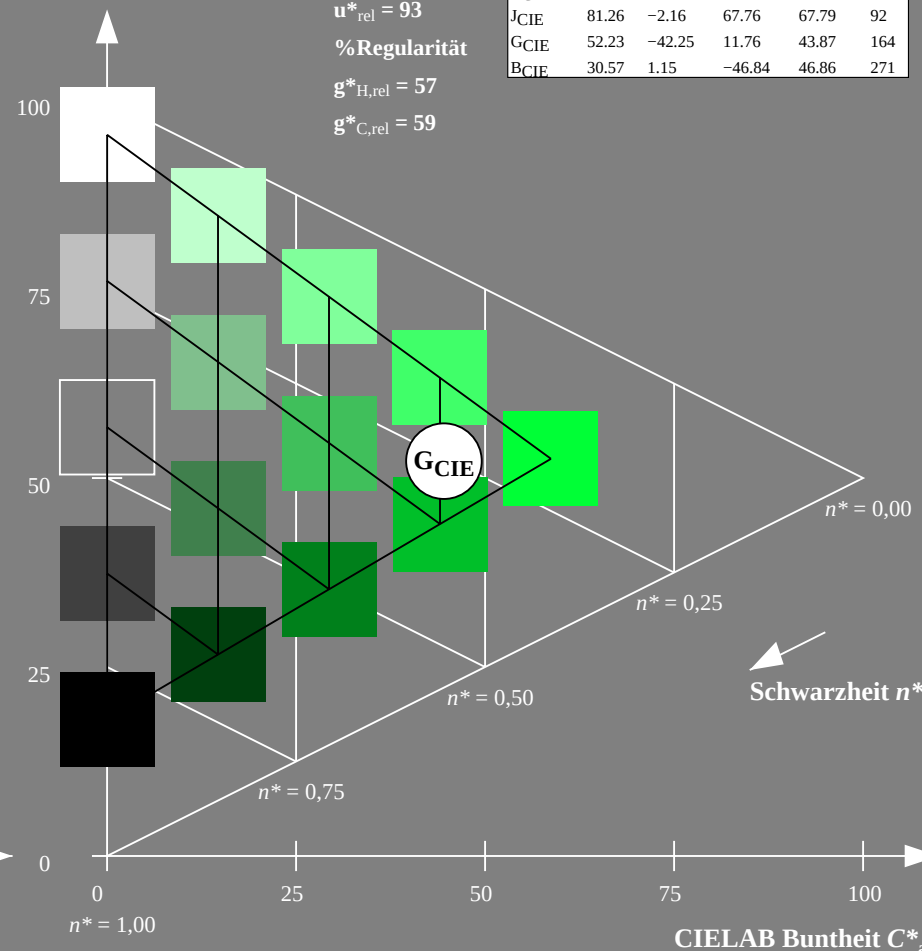
D65: Buntton G  
LCH\*Ma: 53 59 162  
olv\*Ma: 0.0 1.0 0.21



| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| OMa                            | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa                            | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa                            | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa                            | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa                            | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa                            | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE                           | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE                           | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE                           | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$

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



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

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmétrisches Natürliches-Reflektiv-System CNS18

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

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

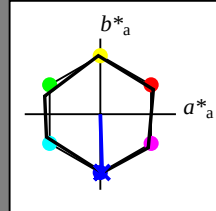
D65: Buntton B

LCH\*Ma: 57 77 272

olv\*Ma: 0.0 0.0 1.0

CNS18; adaptierte CIELAB-Daten

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 56.7        | 70.15   | 32.71   | 77.4         | 25           |
| JMa    | 56.7        | -2.69   | 77.35   | 77.4         | 92           |
| GMa    | 56.7        | -73.6   | 23.92   | 77.4         | 162          |
| G50BMa | 56.7        | -71.24  | -30.23  | 77.4         | 203          |
| BMa    | 56.7        | 2.7     | -77.34  | 77.4         | 272          |
| B50RMa | 56.7        | 63.4    | -44.38  | 77.4         | 325          |
| NMa    | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |



Dreiecks-Helligkeit  $t^*$

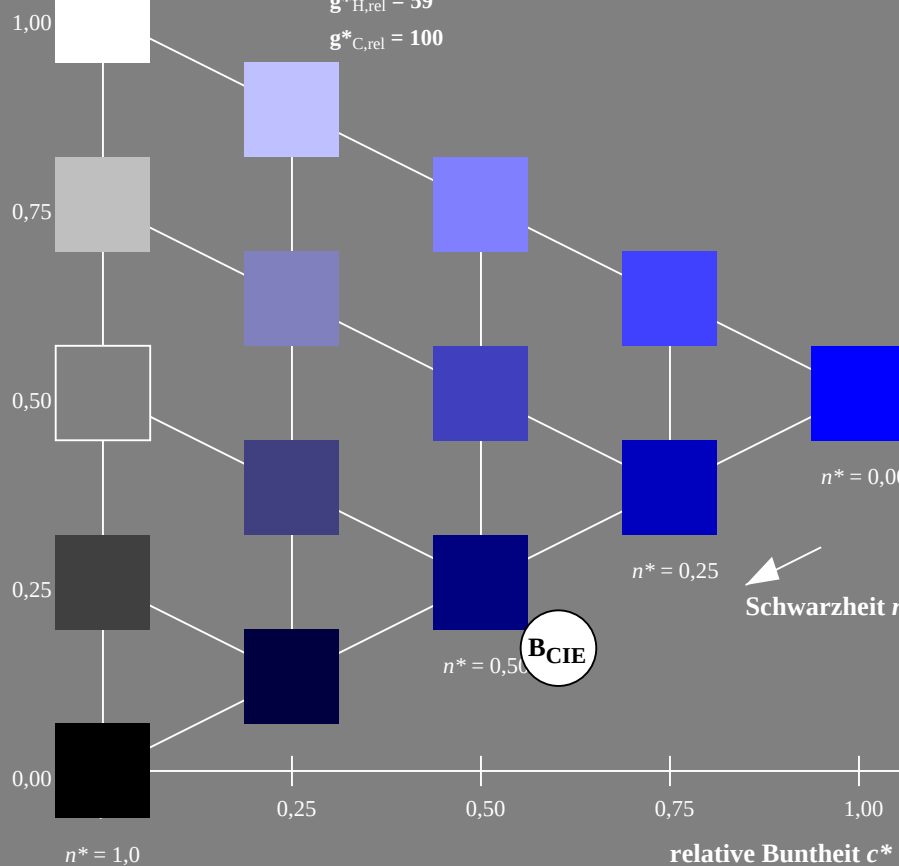
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



VG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

$LAB^*LCH$ ,  $LAB^*NCH$

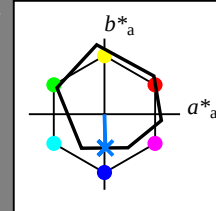
D65: Buntton B

LCH\*Ma: 42 45 272

olv\*Ma: 0.0 0.48 1.0

ORS18; adaptierte CIELAB-Daten

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa  | 48.13       | 75.28   | -8.36   | 75.74        | 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   | 64.57        | 25           |
| JCIE | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.86        | 271          |



CIELAB-Helligkeit  $L^*$

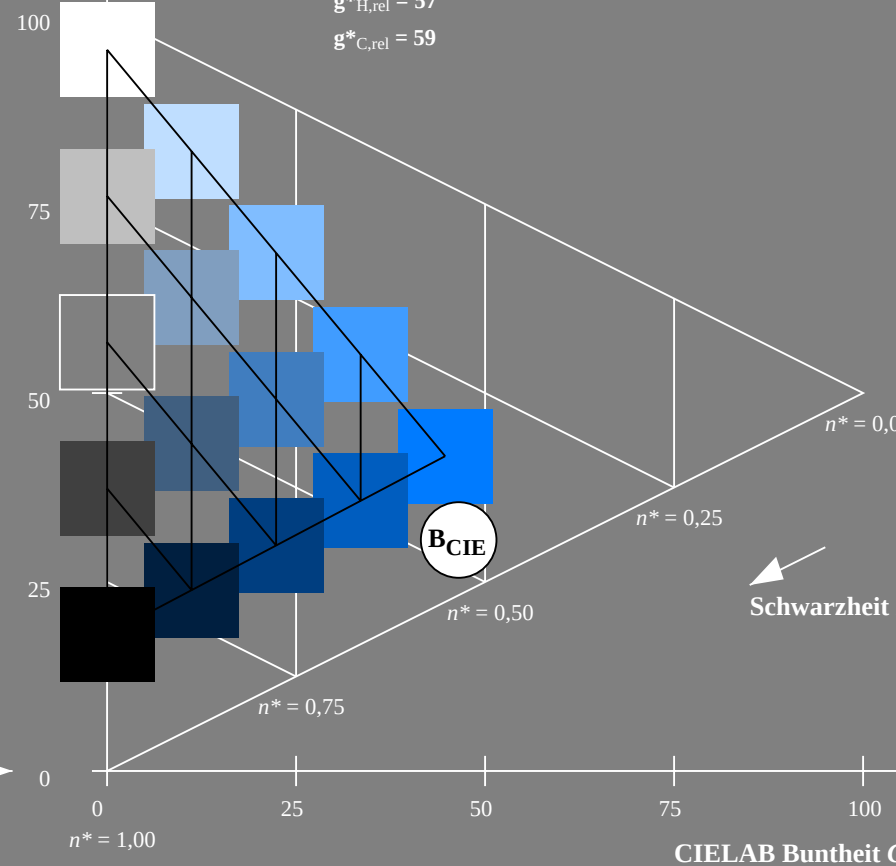
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage VG42; Farbmétrik-Systeme CNS18 & ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input