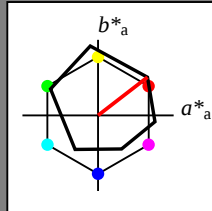


### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab \cdot h = 38/360 = 0.105$   
 $lab \cdot ich$  und  $lab \cdot nch$

D65: Buntton O  
LCH\*Ma: 48 83 38  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



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

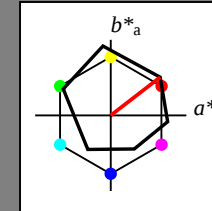
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| O <sub>Ma</sub> 47.94          | 65.39   | 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          |  |

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab \cdot h = 38/360 = 0.105$   
 $lab \cdot ich$  und  $lab \cdot nch$

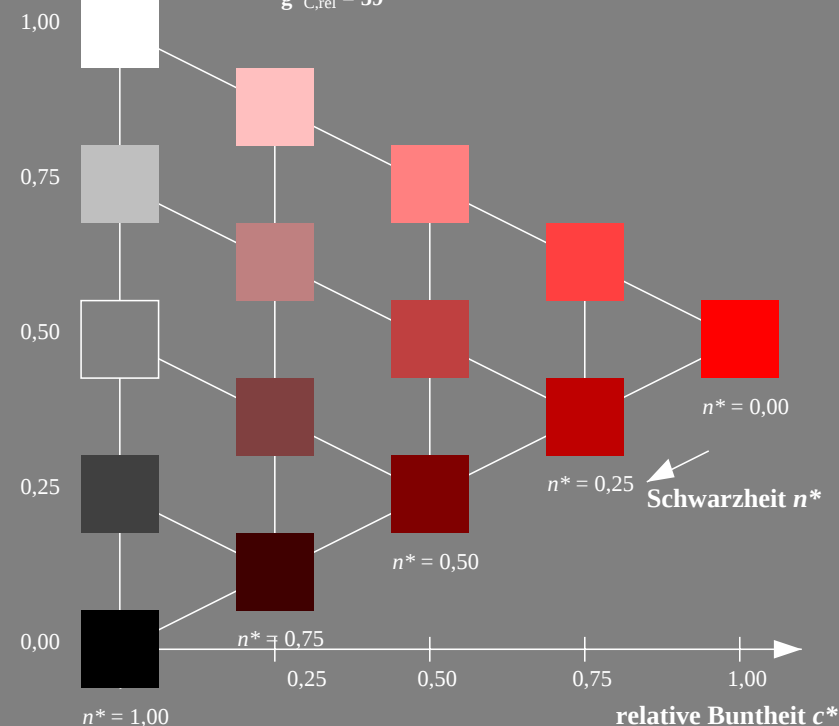
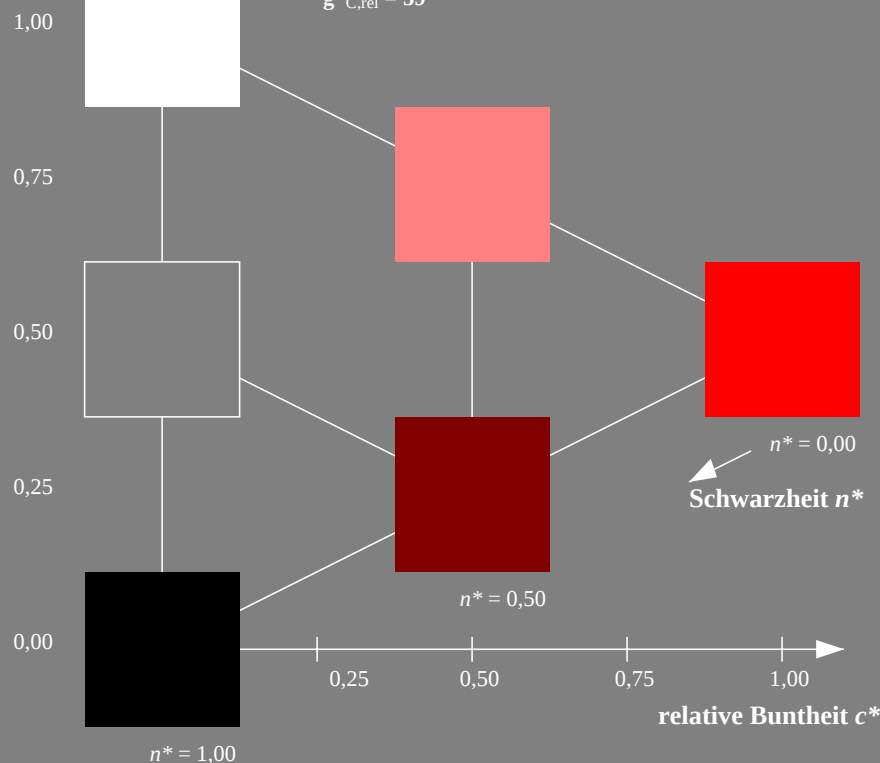
D65: Buntton O  
LCH\*Ma: 48 83 38  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

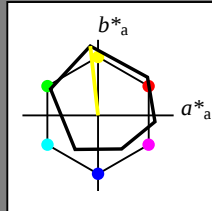
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

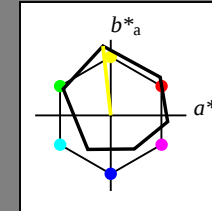
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| O <sub>Ma</sub> 47.94          | 65.39   | 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          |  |

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

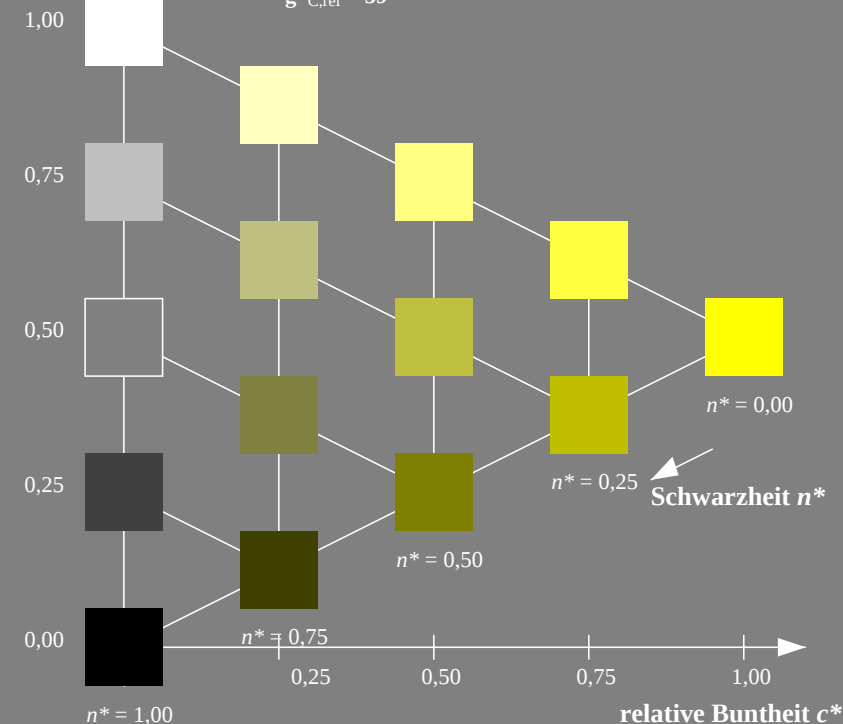
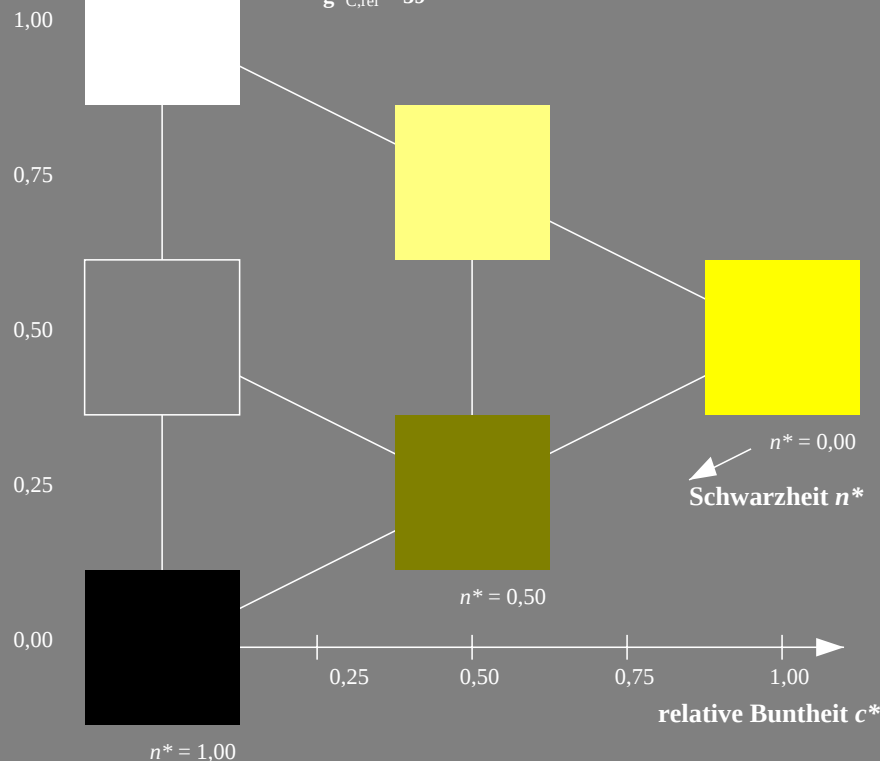
D65: Buntton Y  
LCH\*Ma: 90 92 96  
olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

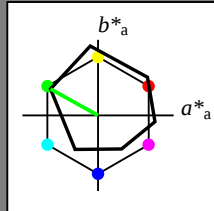
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

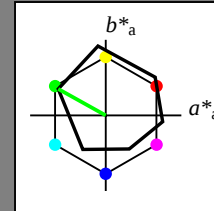
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| O <sub>Ma</sub> 47.94          | 65.39   | 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          |  |

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

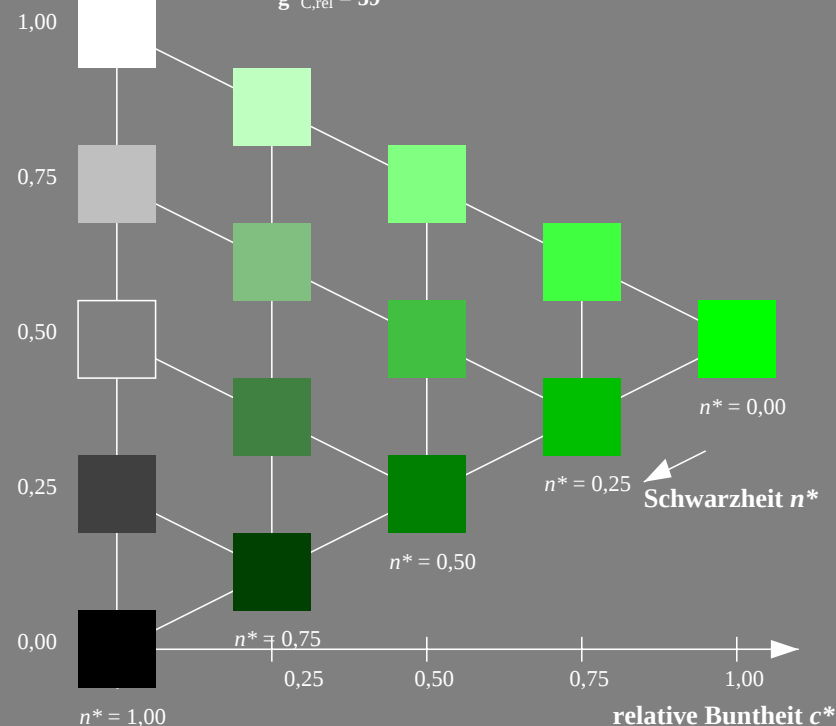
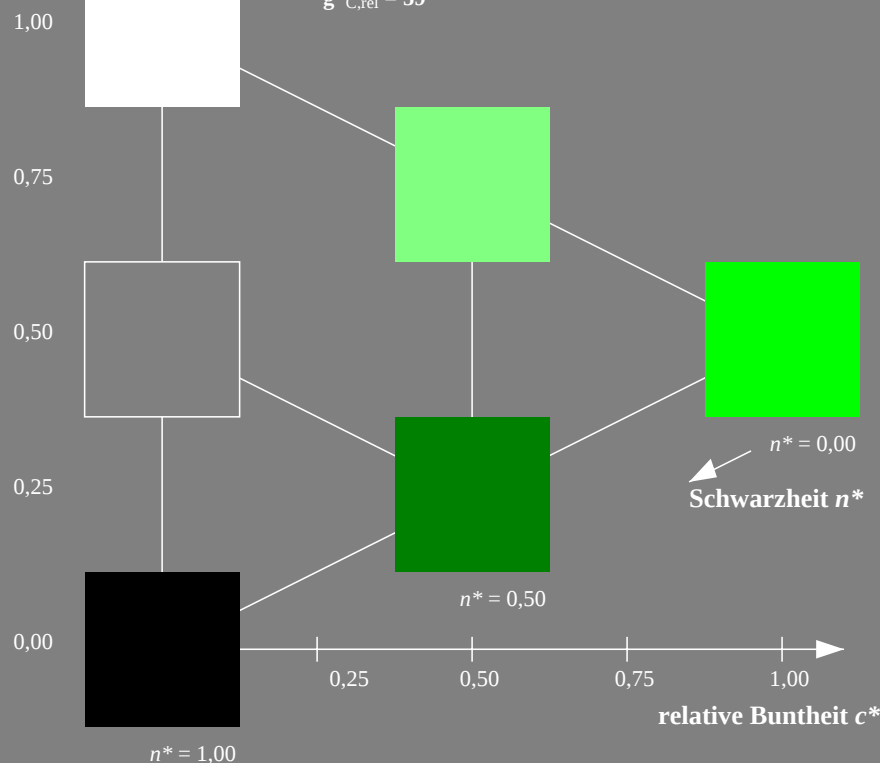
D65: Buntton L  
LCH\*Ma: 51 72 151  
olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

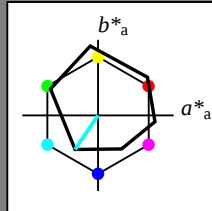
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton C  
LCH\*Ma: 59 54 236  
olv\*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 |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

0,25

$n^* = 0,50$

relative Buntheit  $c^*$

$n^* = 0,00$

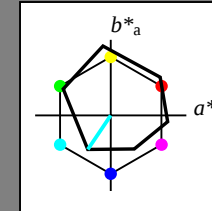
Schwarzheit  $n^*$

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton C  
LCH\*Ma: 59 54 236  
olv\*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 |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

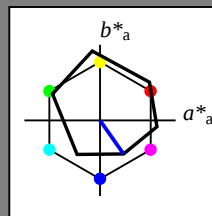
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

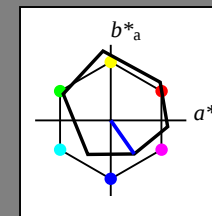
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| O <sub>Ma</sub> 47.94          | 65.39   | 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          |  |

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

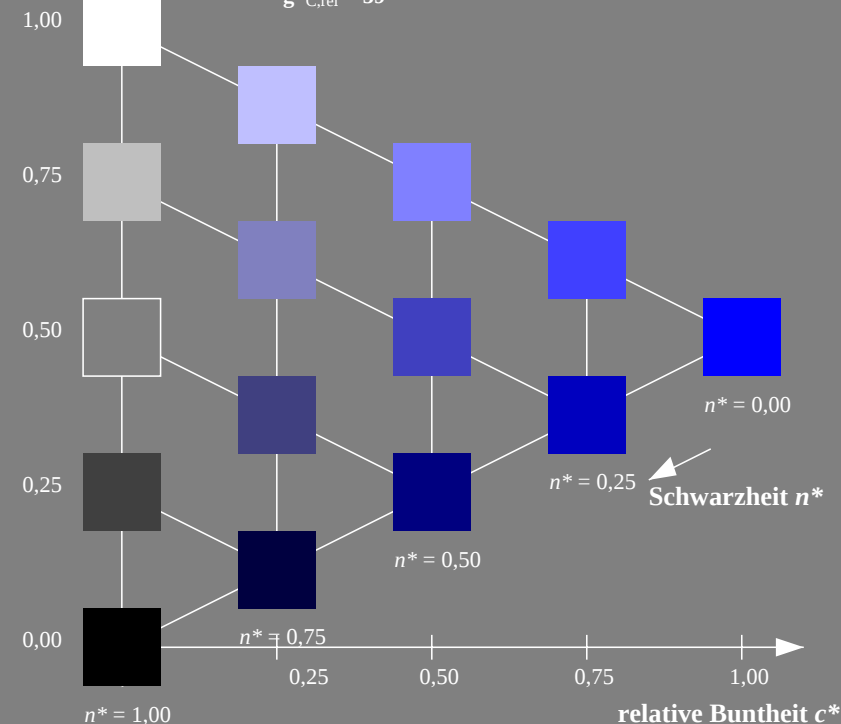
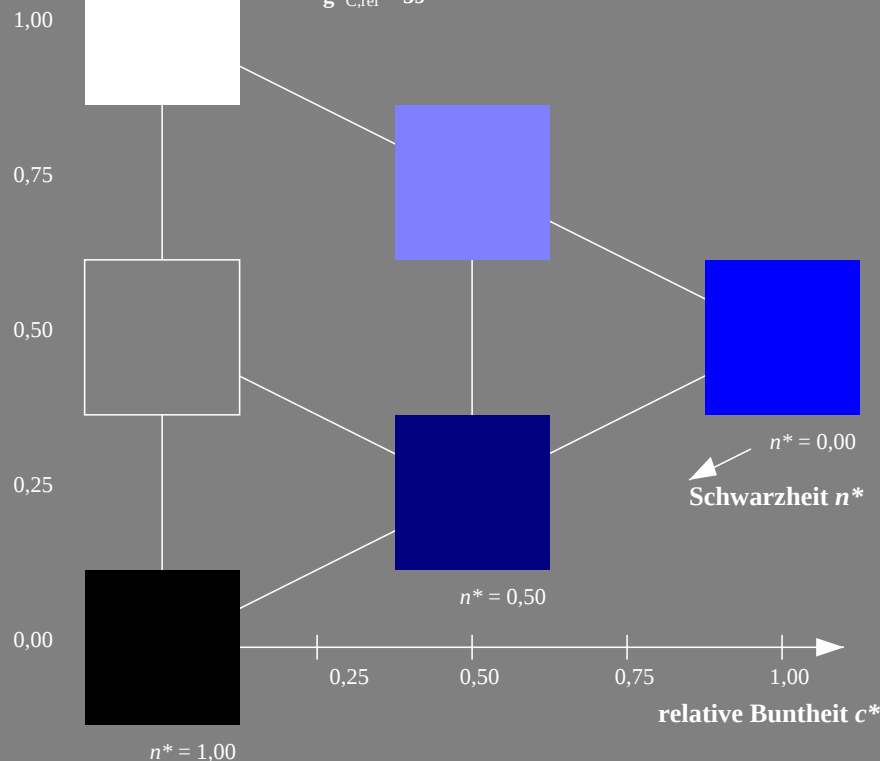
D65: Buntton V  
LCH\*Ma: 26 54 305  
olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

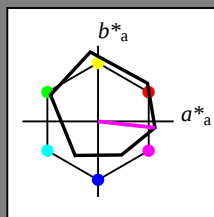
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

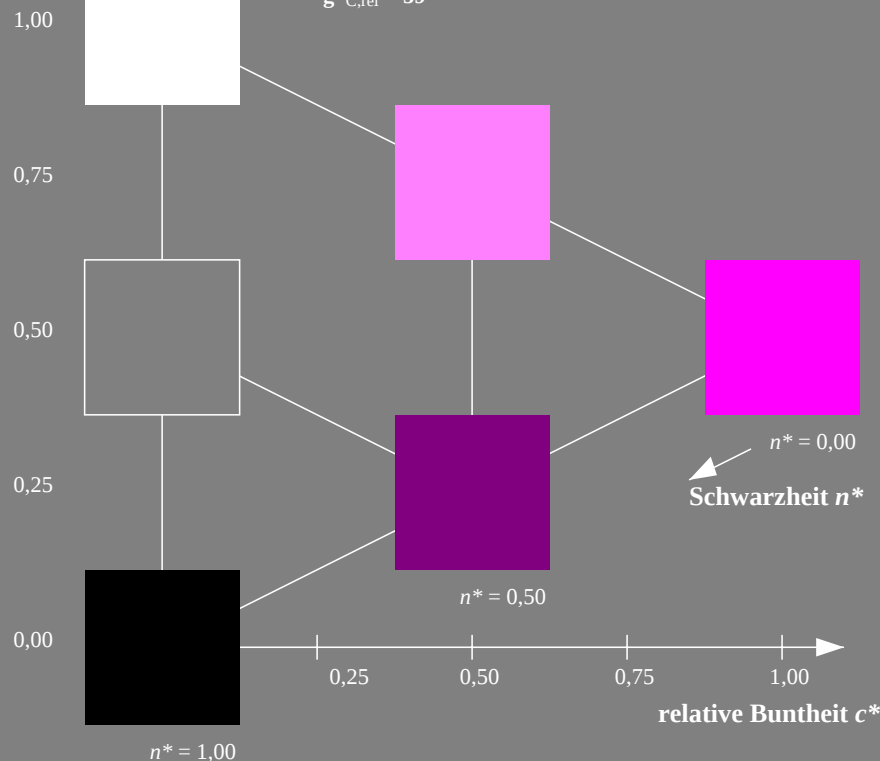
D65: Buntton M  
LCH\*Ma: 48 76 354  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |

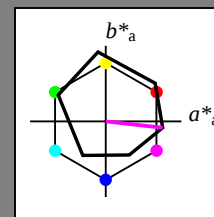


### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

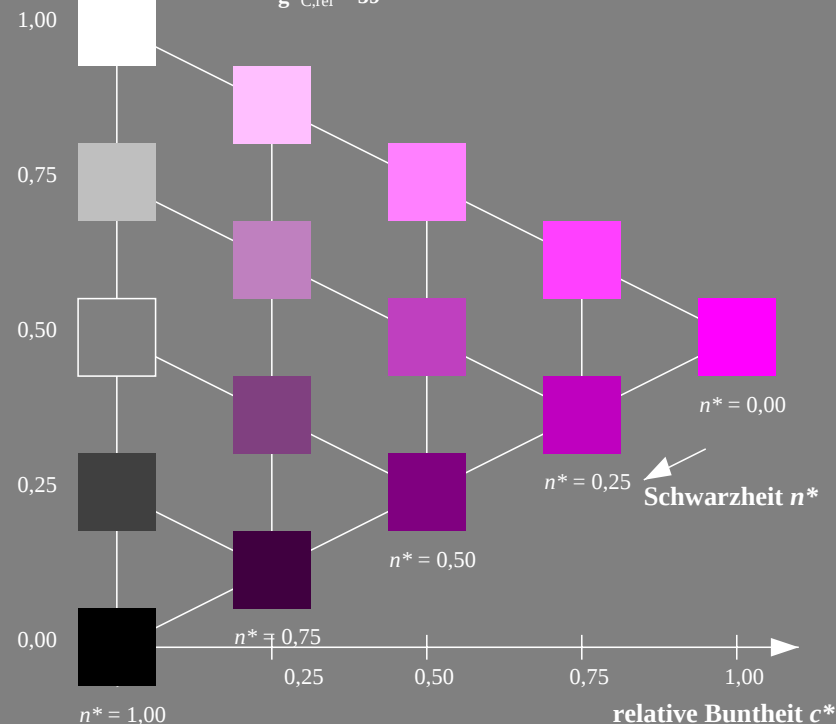
D65: Buntton M  
LCH\*Ma: 48 76 354  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

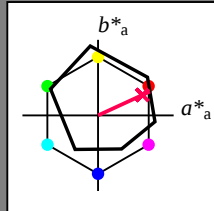
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

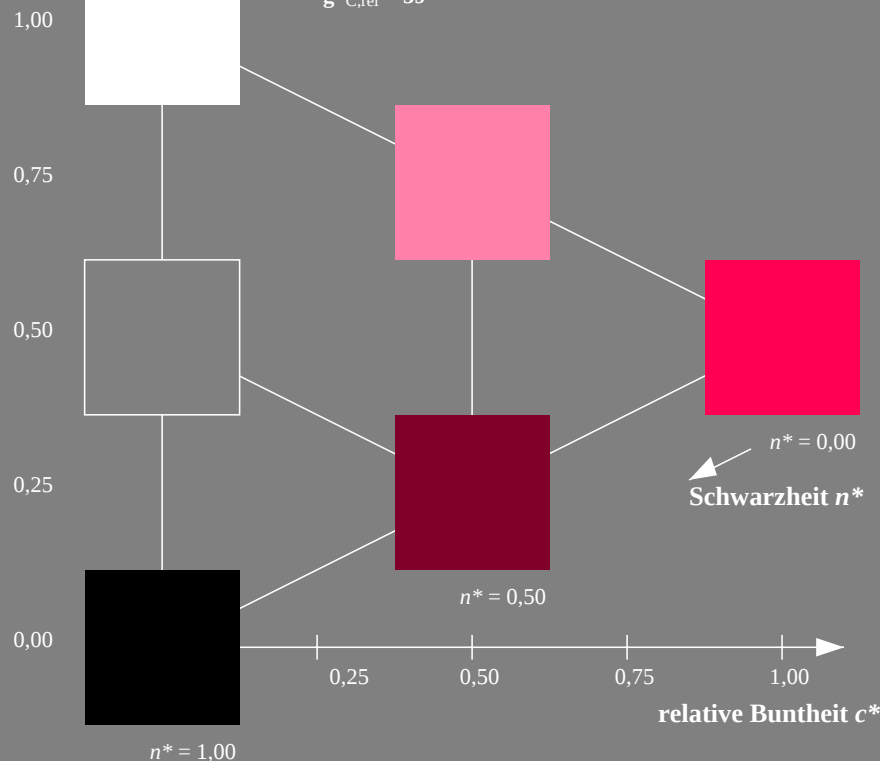
D65: Buntton R  
LCH\*Ma: 48 75 25  
olv\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |

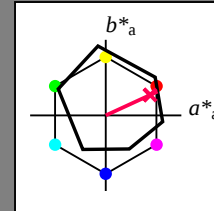


### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

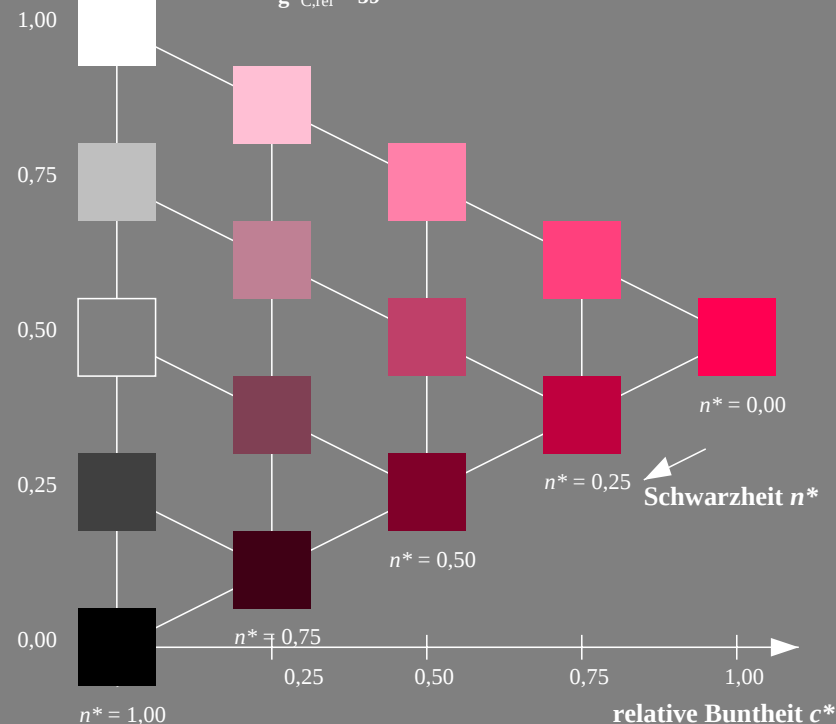
D65: Buntton R  
LCH\*Ma: 48 75 25  
olv\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

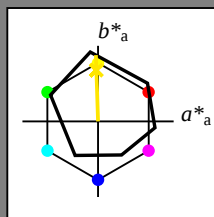
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton J  
LCH\*Ma: 86 88 92  
olv\*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 |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

relative Buntheit  $c^*$

Schwarzheit  $n^*$

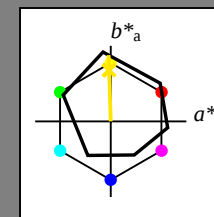
$n^* = 0,00$

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton J  
LCH\*Ma: 86 88 92  
olv\*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 |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

relative Buntheit  $c^*$

Schwarzheit  $n^*$

NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

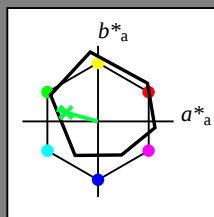
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

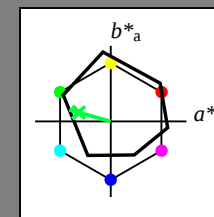
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| O <sub>Ma</sub> 47.94          | 65.39   | 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          |  |

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

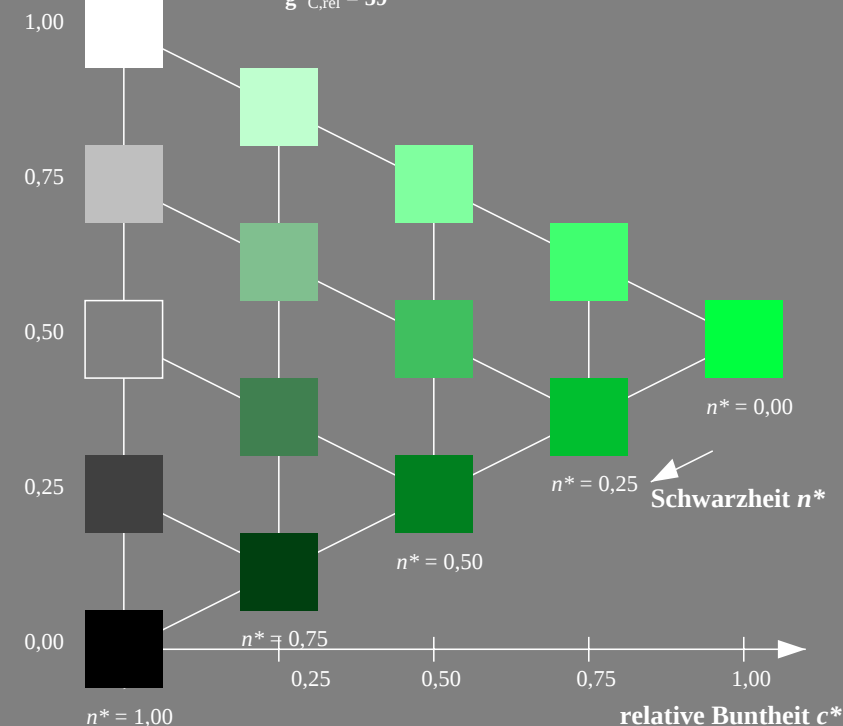
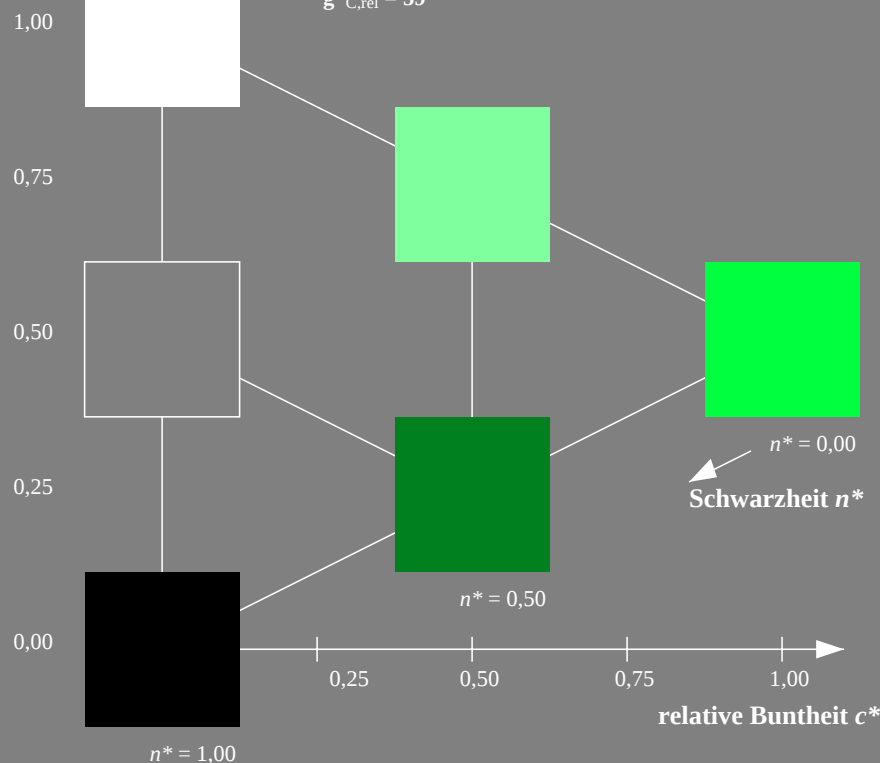
D65: Buntton G  
LCH\*Ma: 53 57 164  
olv\*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

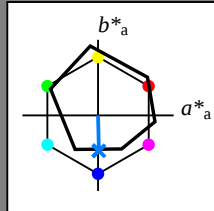
output: no change compared to input

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

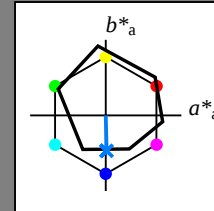
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| O <sub>Ma</sub> 47.94          | 65.39   | 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          |  |

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

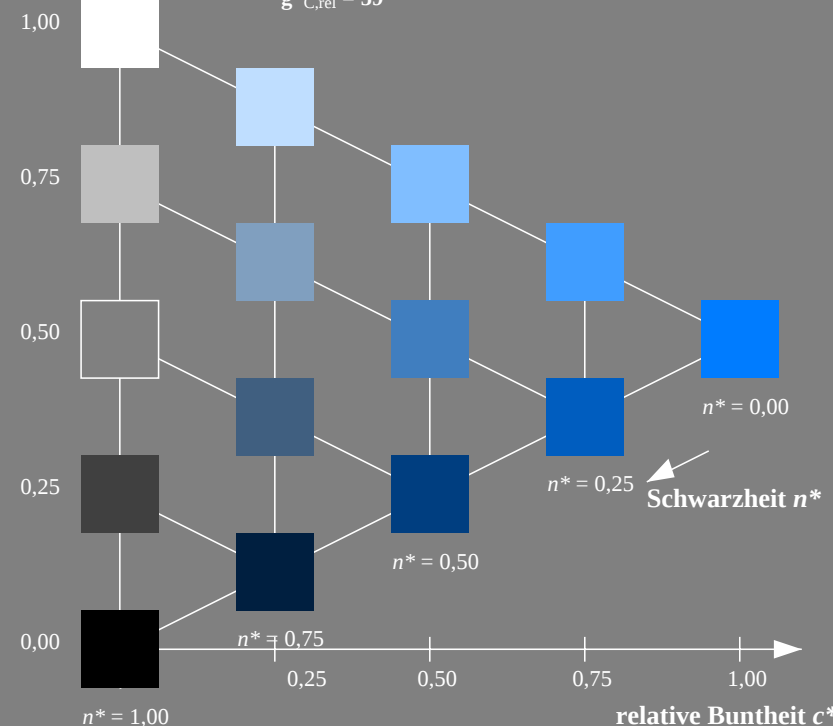
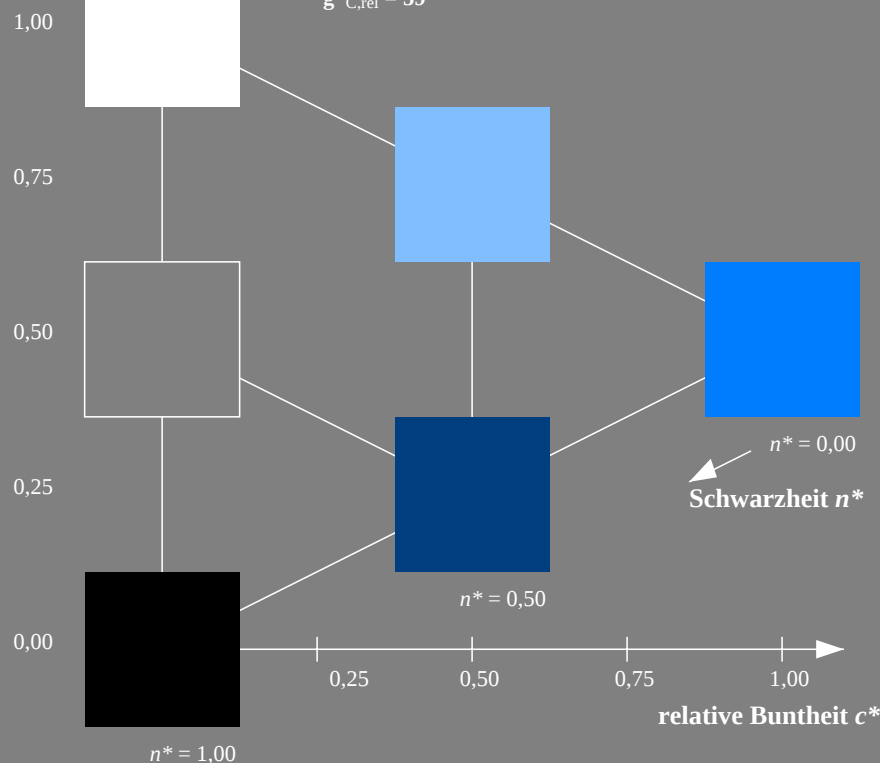
D65: Buntton B  
LCH\*Ma: 42 45 271  
olv\*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit  $t^*$



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

| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| 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          |  |



NG640-7, 3stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

BAM-Prüfvorlage NG64; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

output: no change compared to input