

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

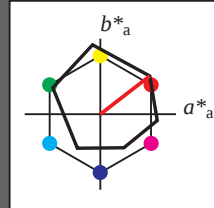
für Buntton  $h^* = lab^*h = 38/360 = 0.105$

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

D65: Buntton O

LCH\*Ma: 48 83 38

olv\*Ma: 1.0 0.0 0.0



#### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>   | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>   | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>   | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>   | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>   | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

Dreiecks-Helligkeit  $t^*$

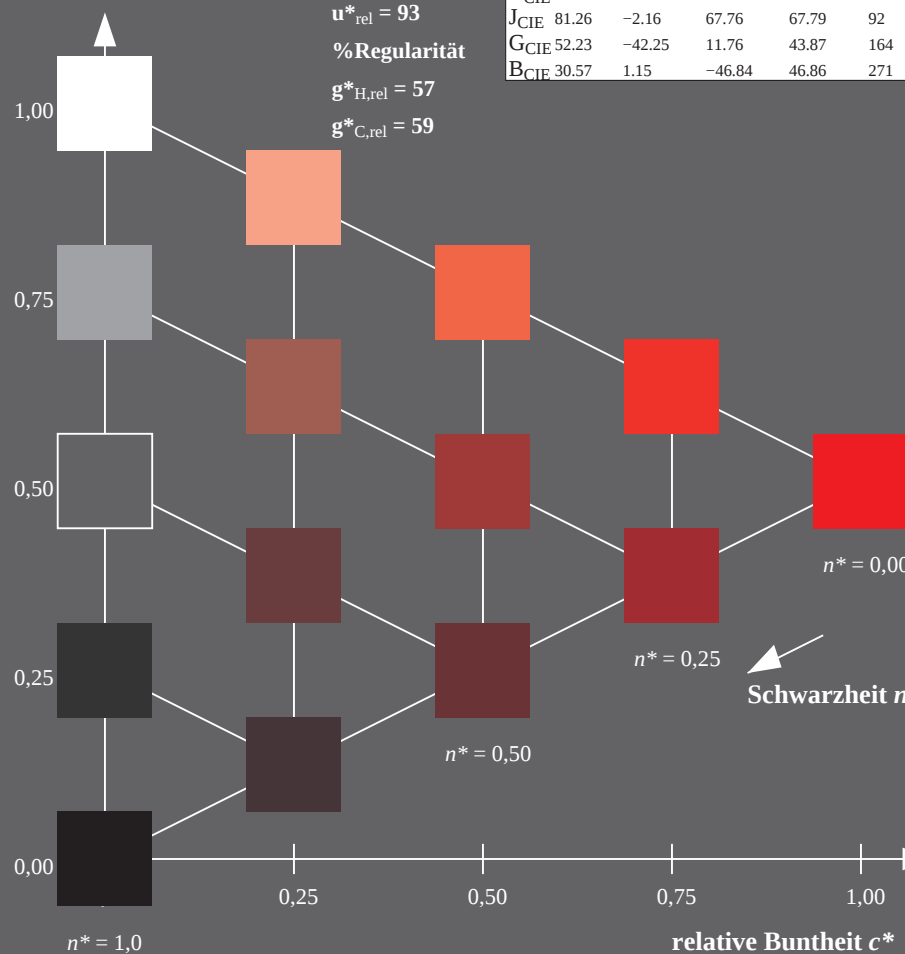
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

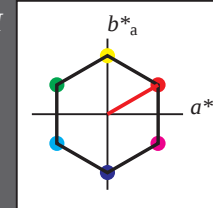
für Buntton  $h^* = lab^*h = 30/360 = 0.083$

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

D65: Buntton O

LCH\*Ma: 57 77 30

olv\*Ma: 1.0 0.0 0.0



#### SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

CIELAB-Helligkeit  $L^*$

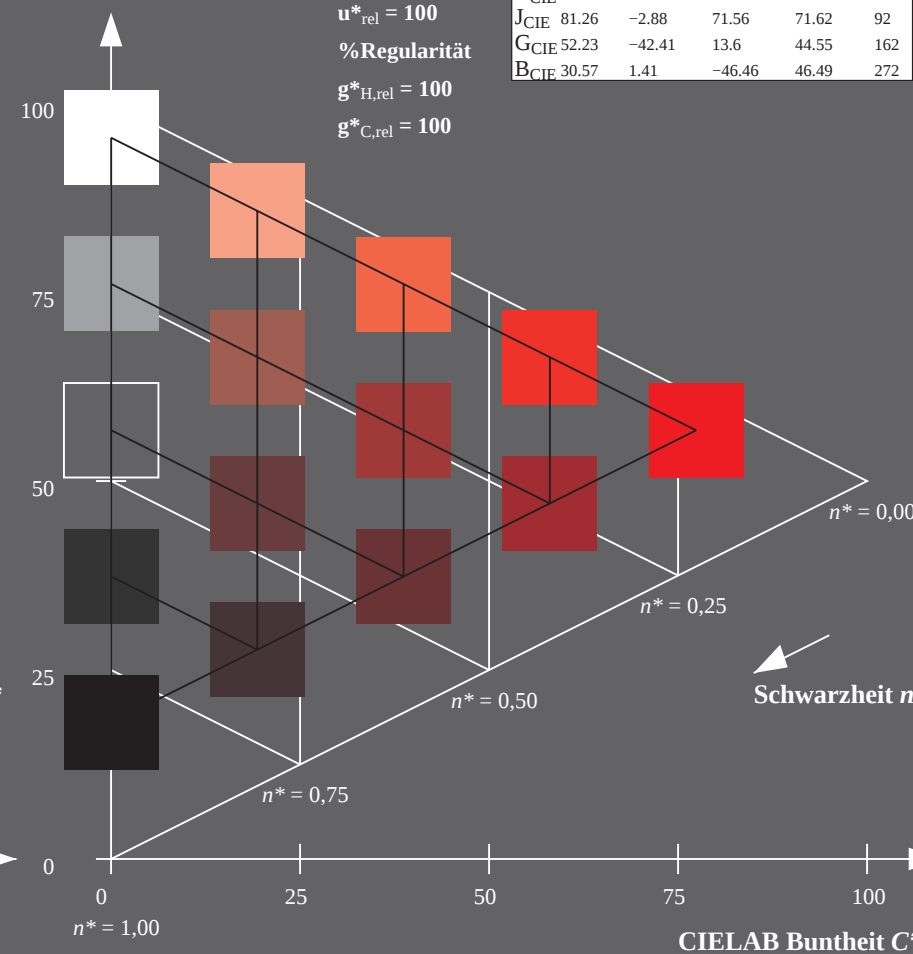
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen input:  $cmY0^* / 000n^* setcmykcolor$

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

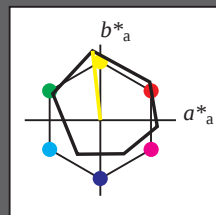
für Buntton  $h^* = lab^*h = 96/360 = 0.268$

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

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0



#### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>   | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>   | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>   | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>   | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>   | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

Dreiecks-Helligkeit  $t^*$

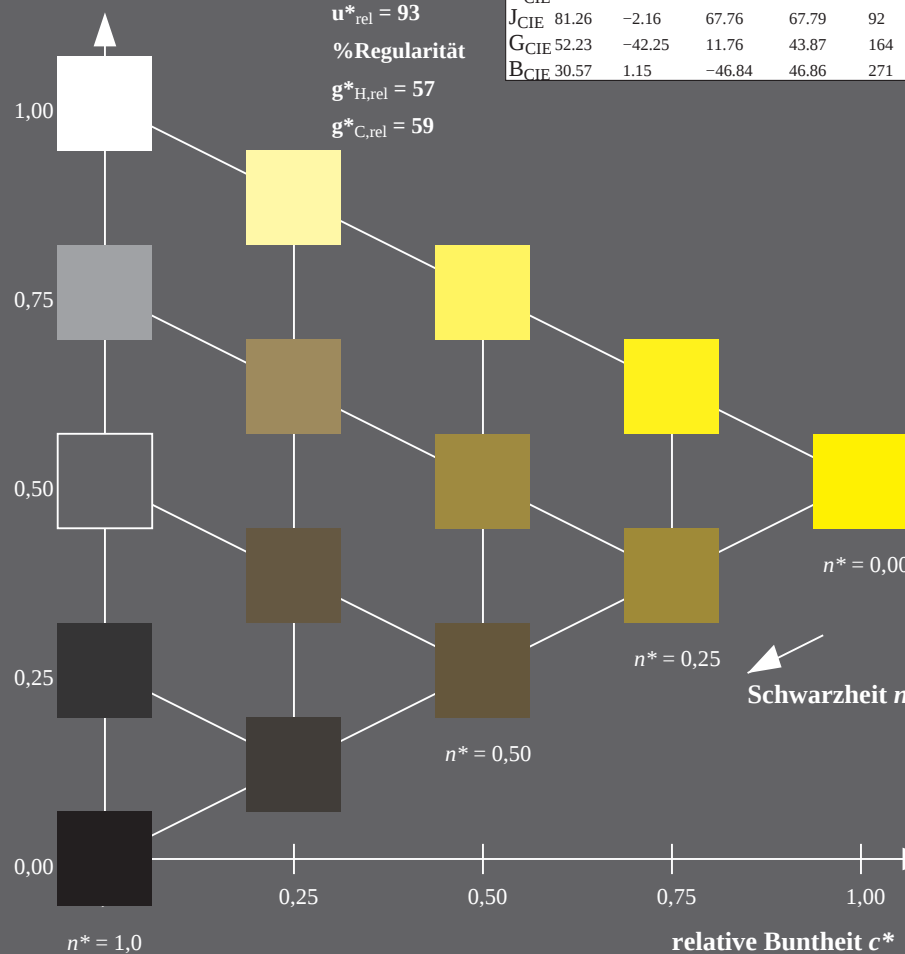
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

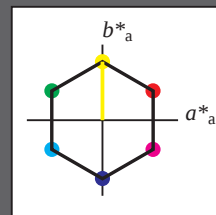
für Buntton  $h^* = lab^*h = 90/360 = 0.25$

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

D65: Buntton Y

LCH\*Ma: 57 77 90

olv\*Ma: 1.0 1.0 0.0



#### SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

CIELAB-Helligkeit  $L^*$

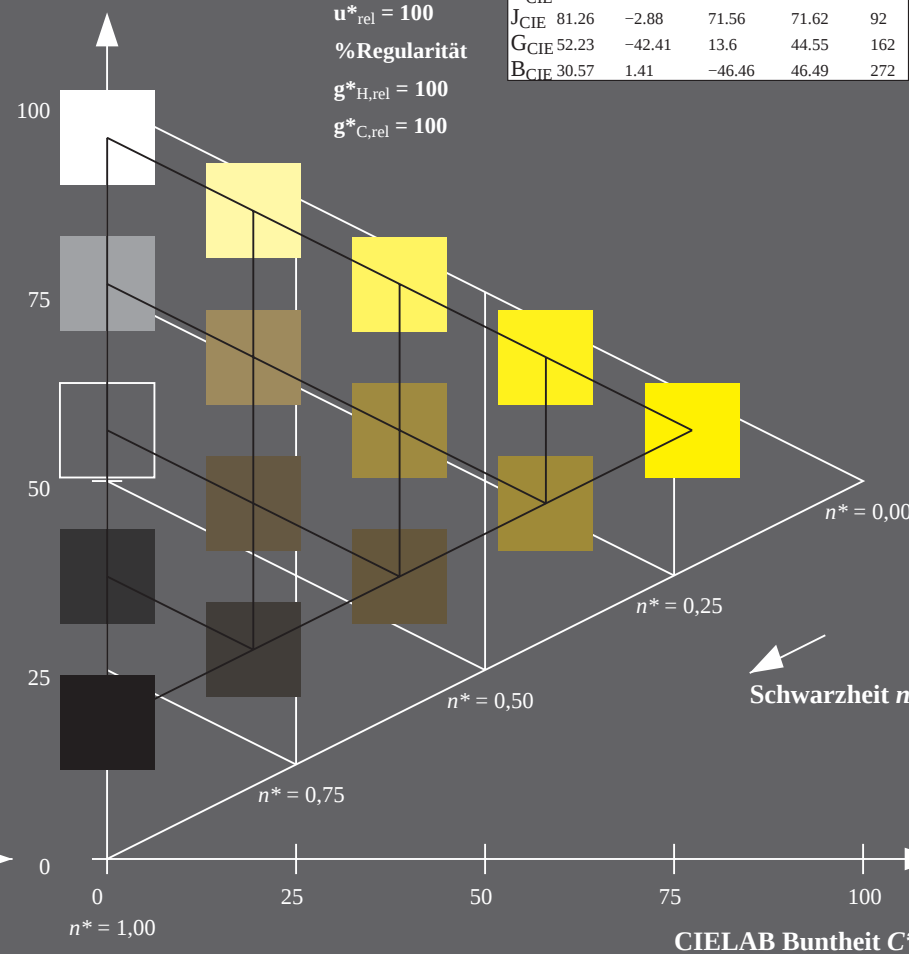
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

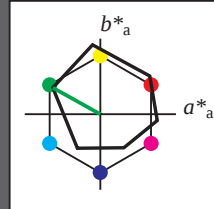
BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen input:  $cmY0^* / 000n^* setcmykcolor$

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

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

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



| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>                 | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>                 | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>                 | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>                 | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>                 | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

Dreiecks-Helligkeit  $t^*$

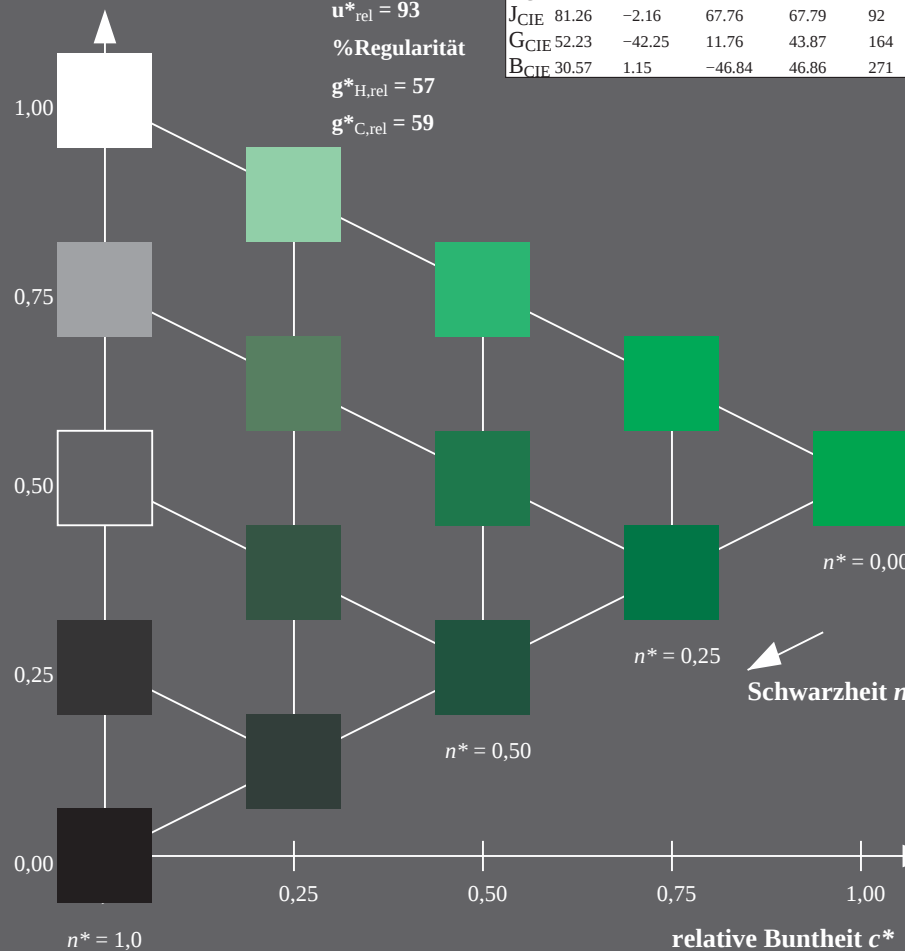
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

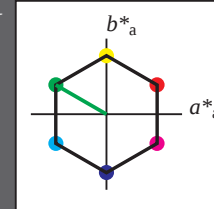


OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 150/360 = 0.417$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton L  
LCH\*Ma: 57 77 150  
olv\*Ma: 0.0 1.0 0.0



| SRS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>                 | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>                 | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>                 | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>                 | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>                 | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

CIELAB-Helligkeit  $L^*$

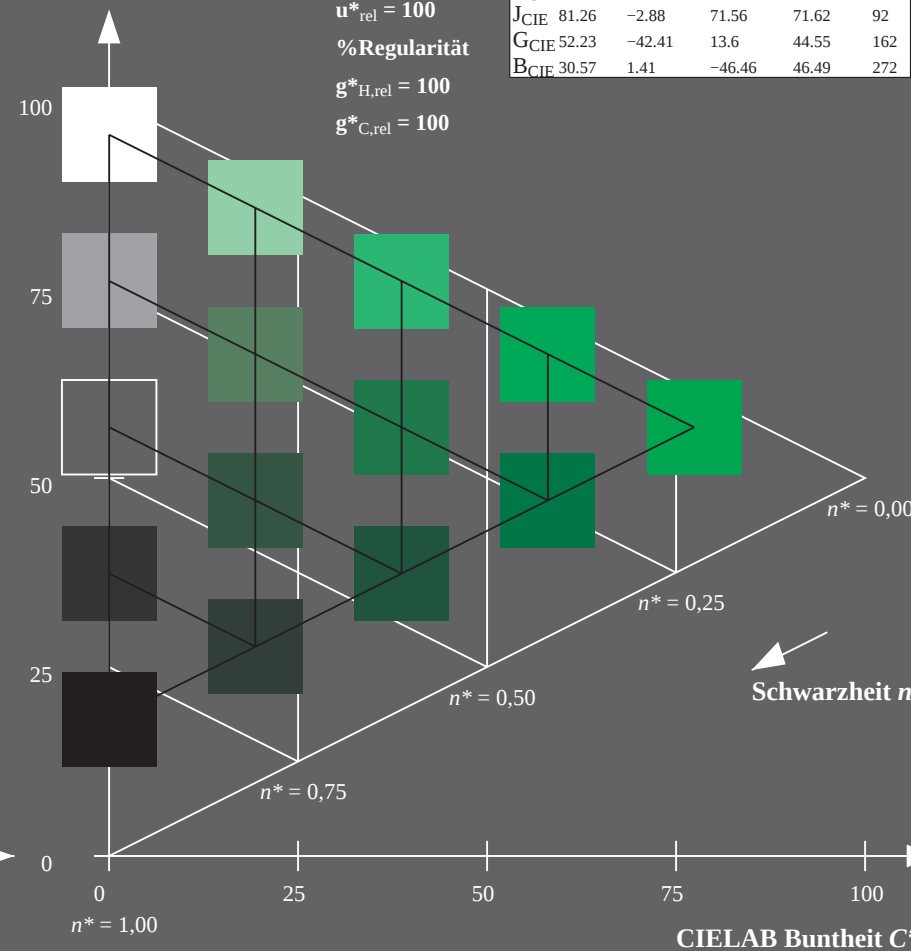
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

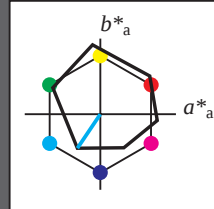
BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmYcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cmY0^* / 000n^* setcmYcolor$

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

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

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



| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>                 | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>                 | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>                 | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>                 | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>                 | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

Dreiecks-Helligkeit  $t^*$

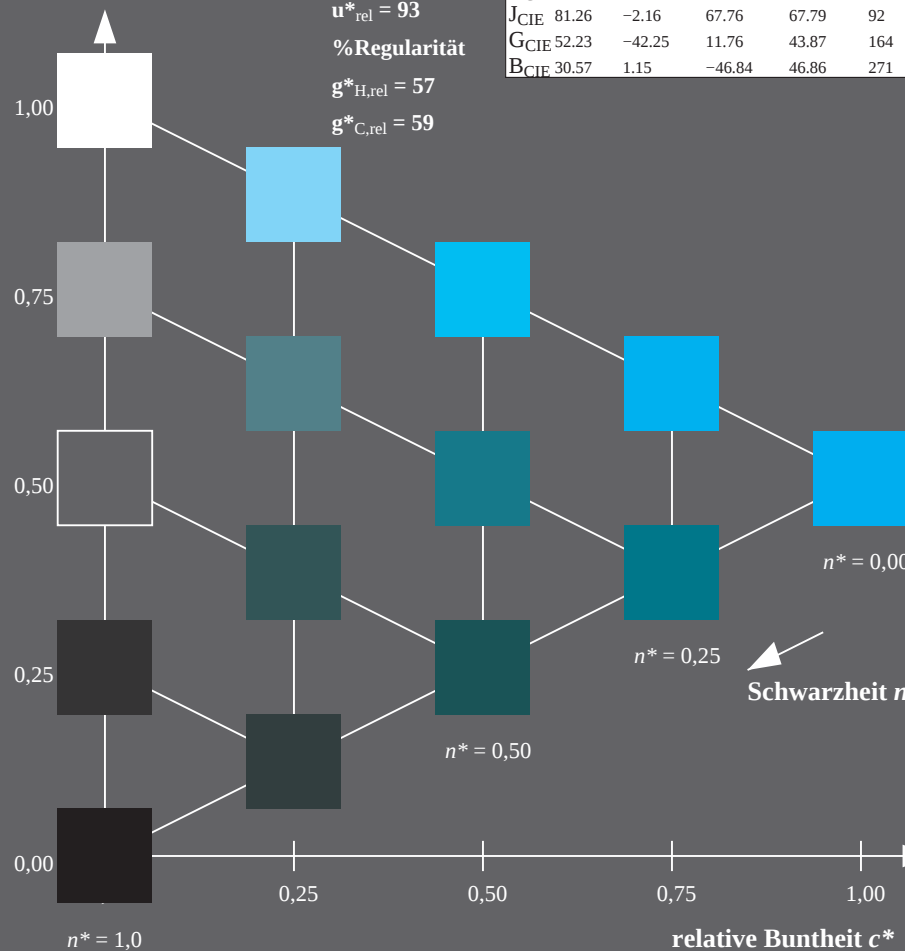
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

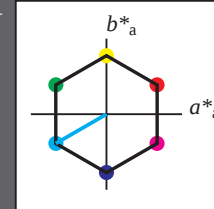


OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 210/360 = 0.583$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton C  
LCH\*Ma: 57 77 210  
olv\*Ma: 0.0 1.0 1.0



| SRS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>                 | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>                 | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>                 | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>                 | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>                 | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

CIELAB-Helligkeit  $L^*$

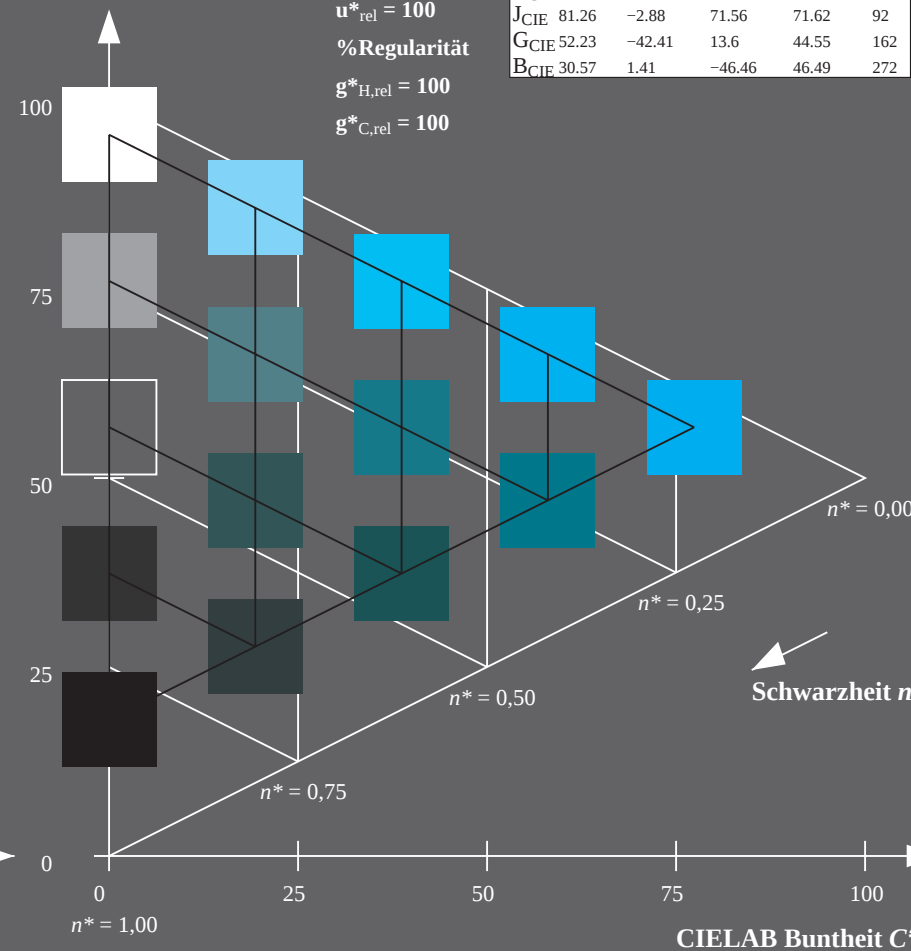
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

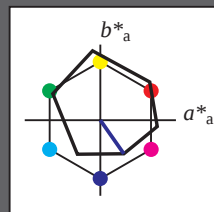
BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cmY0^* / 000n^* setcmykcolor$

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

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

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

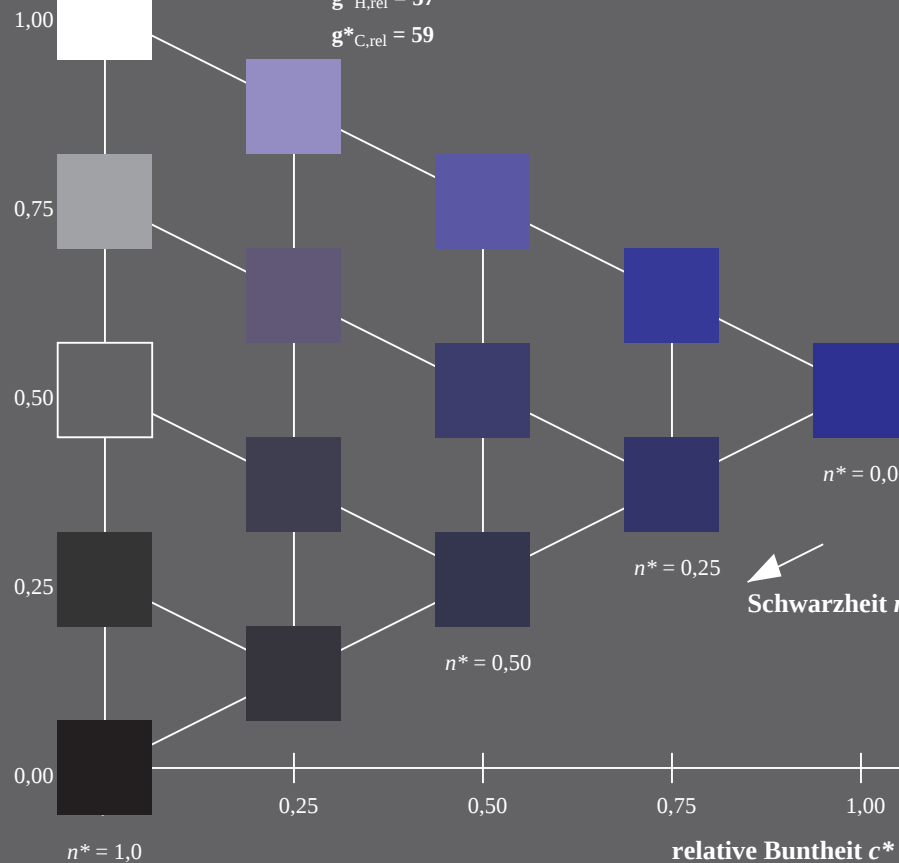


#### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>   | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>   | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>   | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>   | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>   | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

#### Dreiecks-Helligkeit $t^*$

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

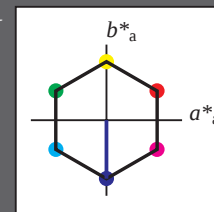


OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

### Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 270/360 = 0.75$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton V  
LCH\*Ma: 57 77 270  
olv\*Ma: 0.0 0.0 1.0

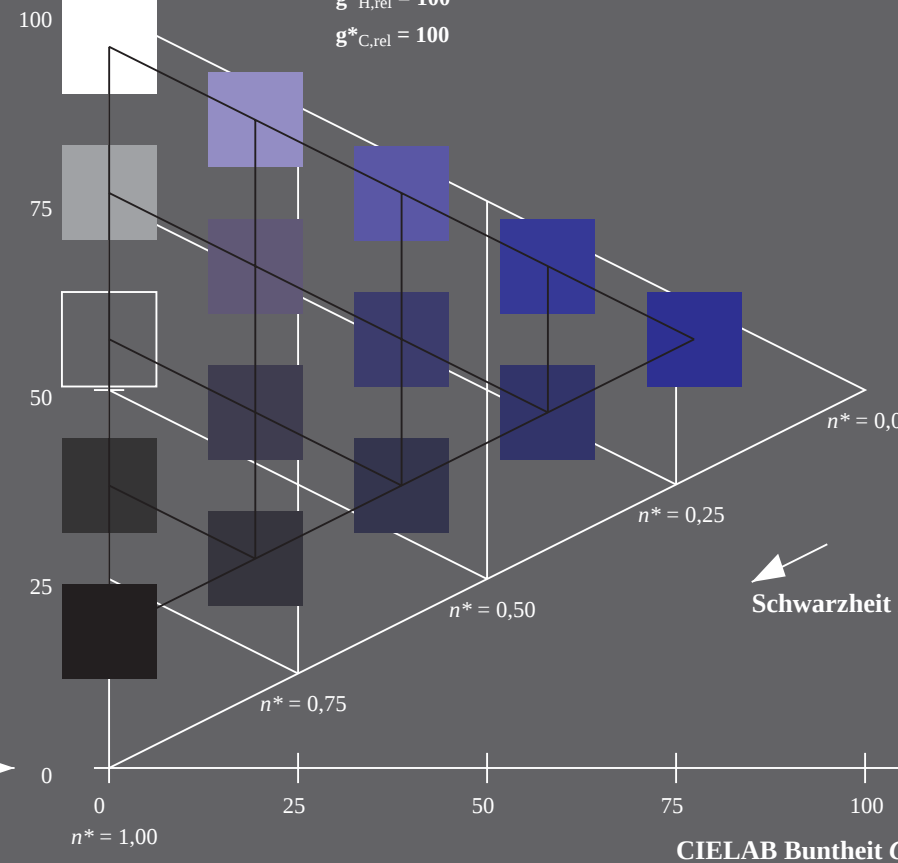


#### SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

#### CIELAB-Helligkeit $L^*$

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



5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

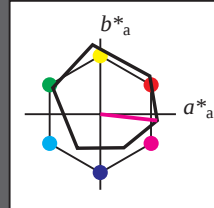
BAM-Prüfvorlage OG22; Farbmimetrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmYkcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen input:  $cmY0^* / 000n^* setcmYkcolor$

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

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

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



| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>                 | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>                 | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>                 | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>                 | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>                 | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

Dreiecks-Helligkeit  $t^*$

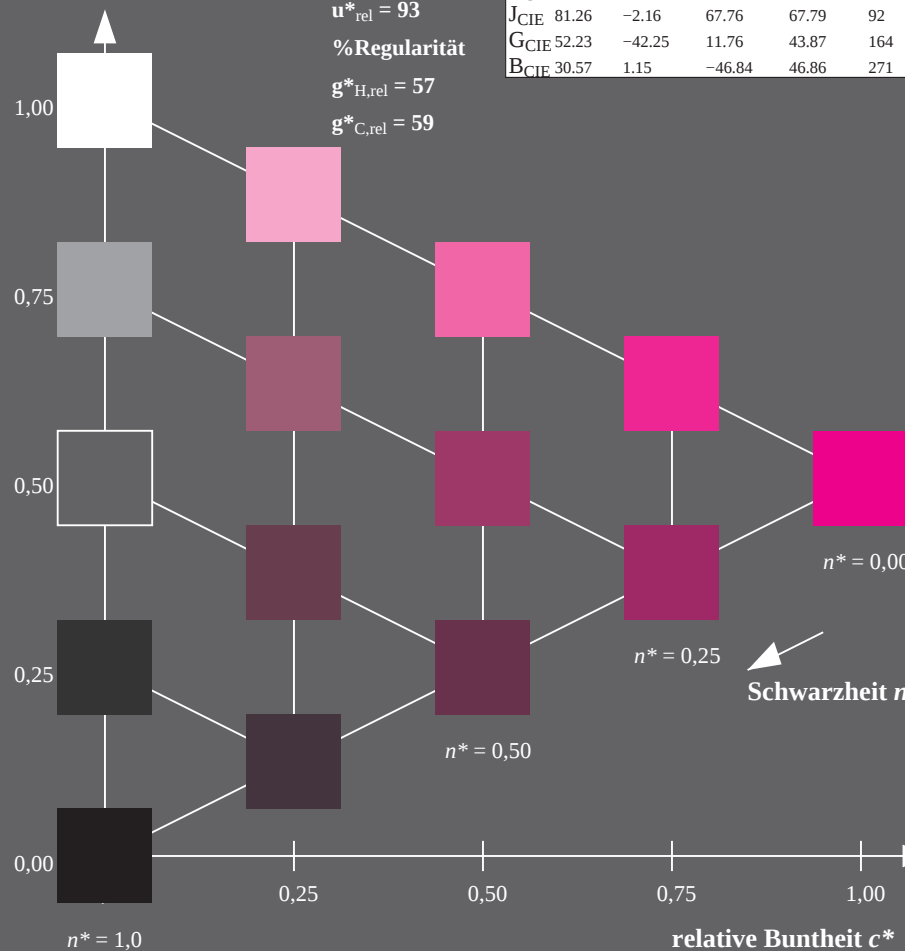
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

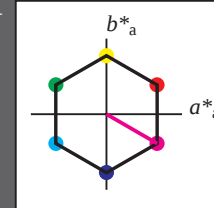


OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 330/360 = 0.917$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton M  
LCH\*Ma: 57 77 330  
olv\*Ma: 1.0 0.0 1.0



| SRS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>                 | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>                 | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>                 | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>                 | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>                 | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</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          |

CIELAB-Helligkeit  $L^*$

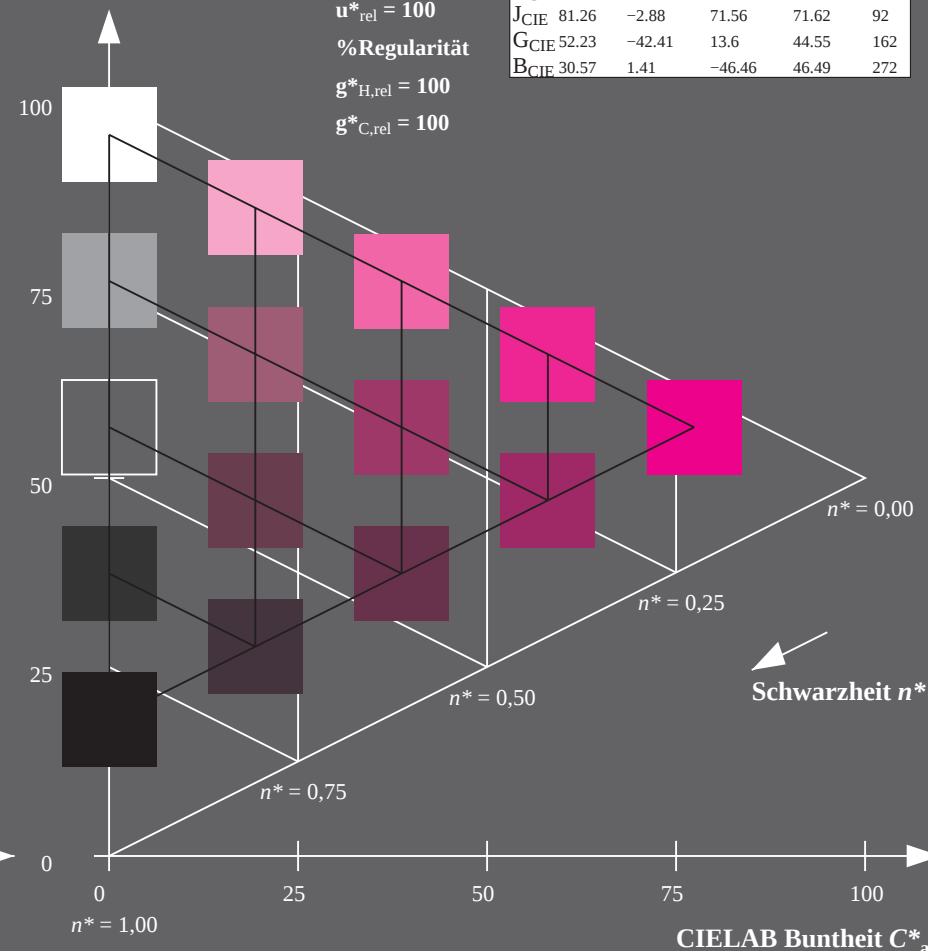
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cmY0^* / 000n^* setcmykcolor$

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

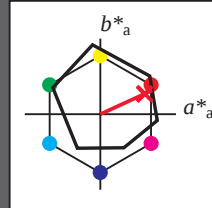
für Buntton  $h^* = lab^*h = 25/360 = 0.069$

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

D65: Buntton R

LCH\*Ma: 48 75 25

olv\*Ma: 1.0 0.0 0.32



#### ORS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub> | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub> | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub> | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub> | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub> | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub> | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub> | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>m</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>m</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>m</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

Dreiecks-Helligkeit  $t^*$

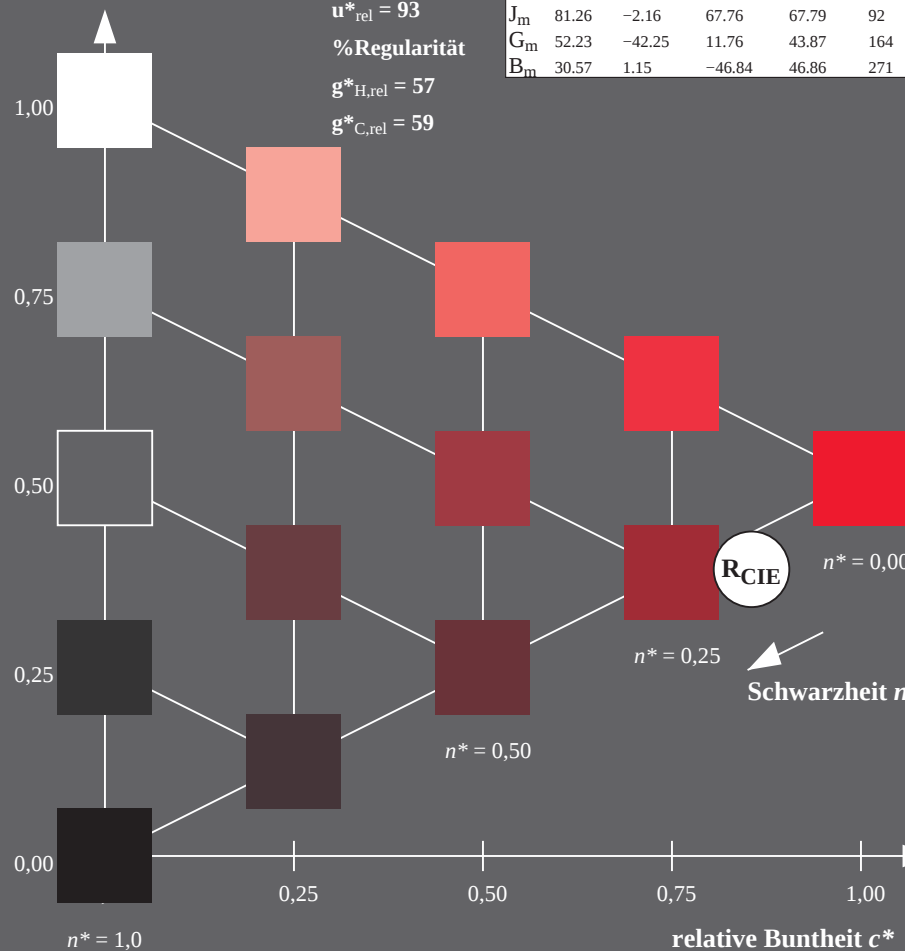
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

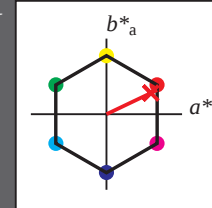
für Buntton  $h^* = lab^*h = 25/360 = 0.071$

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

D65: Buntton R

LCH\*Ma: 57 74 25

olv\*Ma: 1.0 0.0 0.09



#### SRS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub> | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub> | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub> | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub> | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub> | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub> | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub> | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>m</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>m</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>m</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

CIELAB-Helligkeit  $L^*$

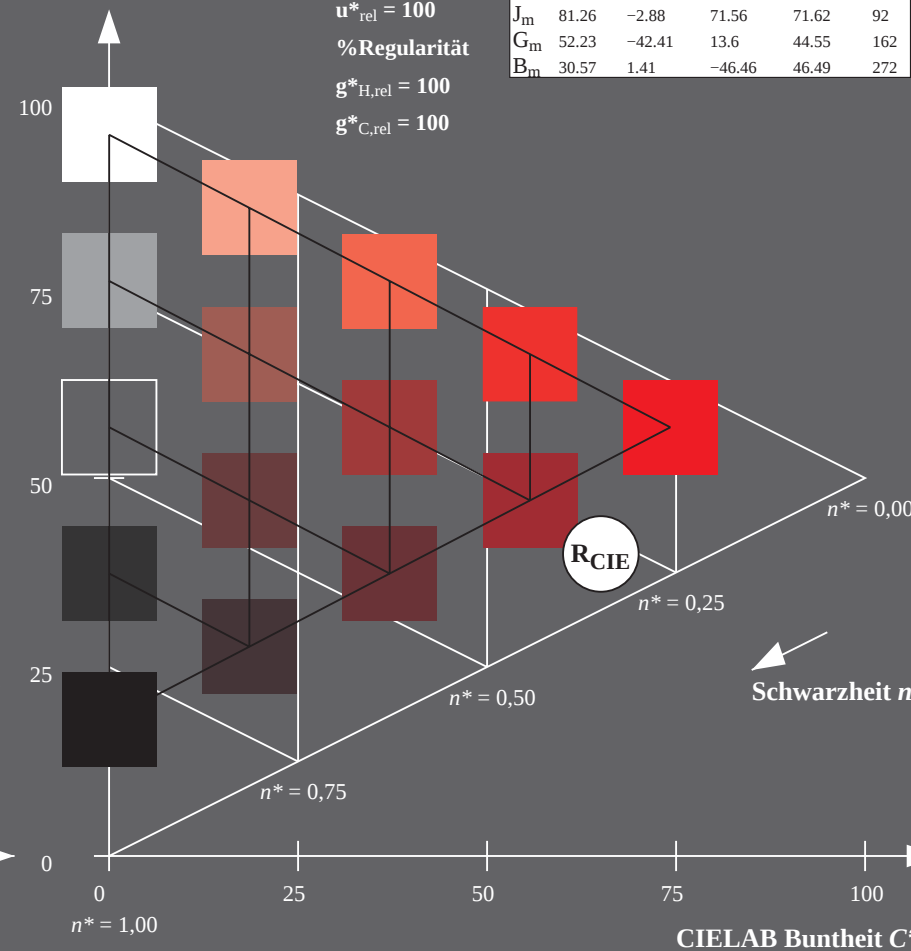
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



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

BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cmY0^* / 000n^* setcmykcolor$

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

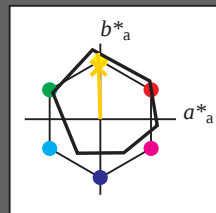
für Buntton  $h^* = lab^*h = 92/360 = 0.255$

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

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0



#### ORS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub> | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub> | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub> | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub> | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub> | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub> | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub> | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>m</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>m</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>m</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

Dreiecks-Helligkeit  $t^*$

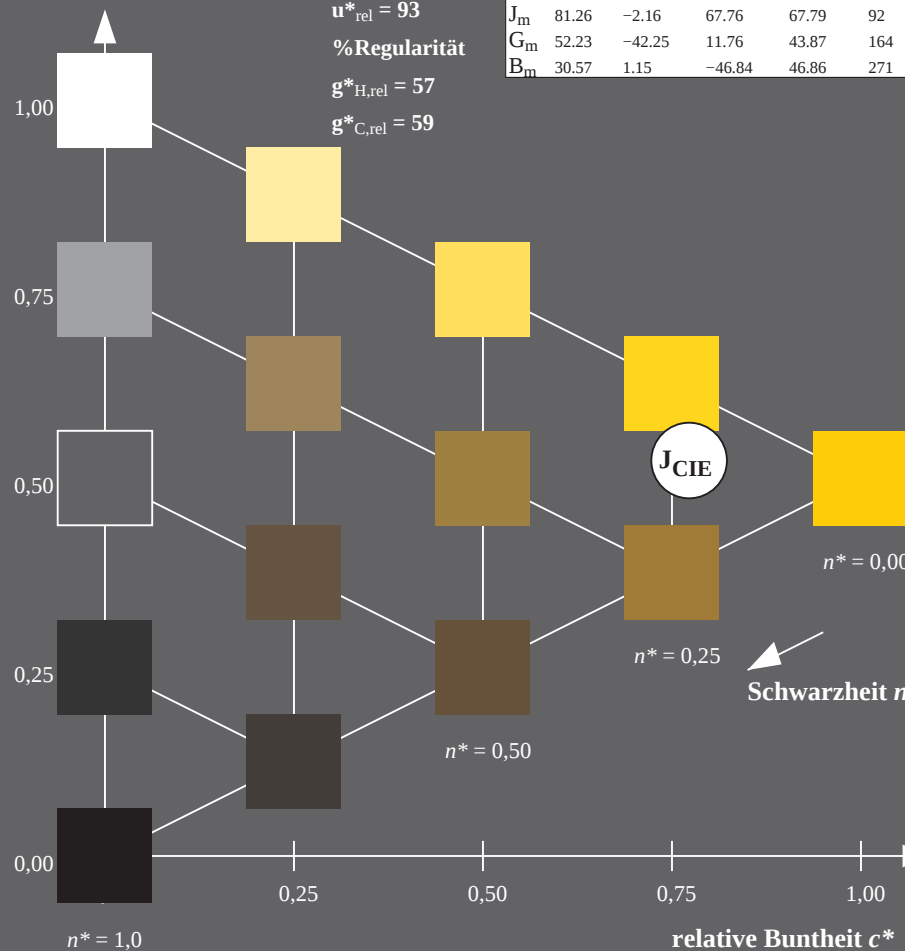
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

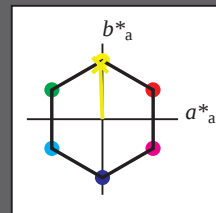
für Buntton  $h^* = lab^*h = 92/360 = 0.256$

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

D65: Buntton J

LCH\*Ma: 57 76 92

olv\*Ma: 0.95 1.0 0.0



#### SRS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub> | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub> | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub> | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub> | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub> | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub> | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub> | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>m</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>m</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>m</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

CIELAB-Helligkeit  $L^*$

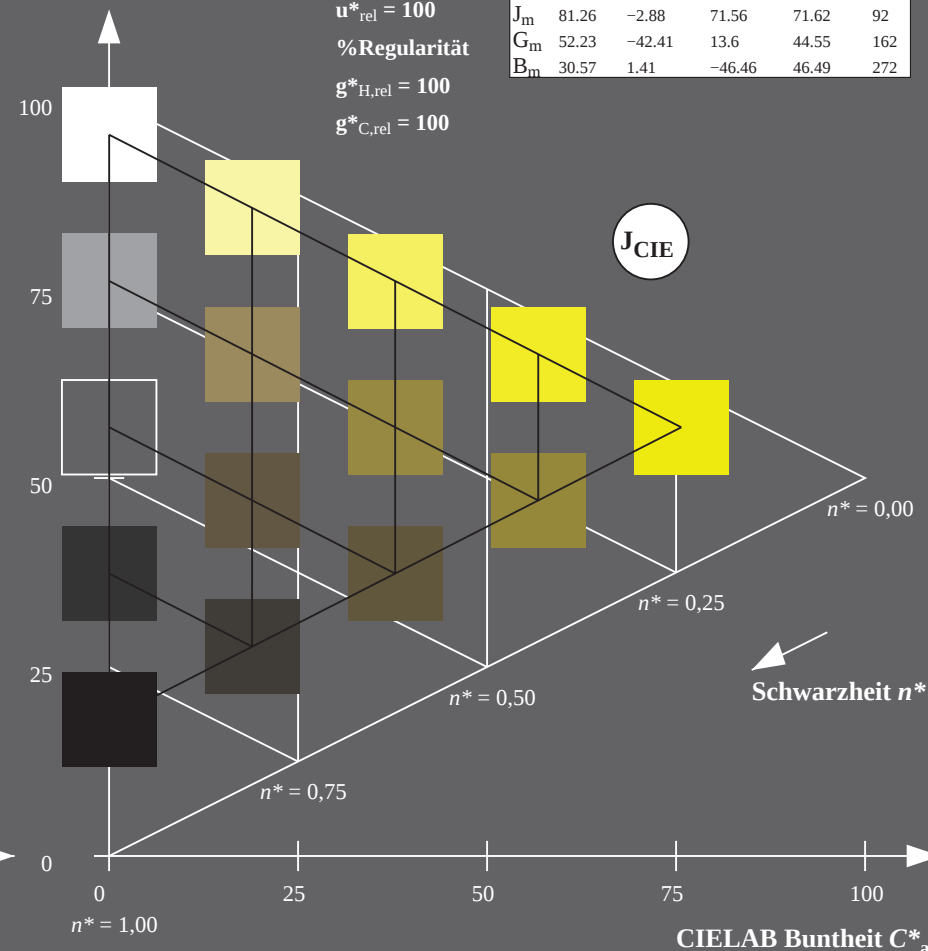
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



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

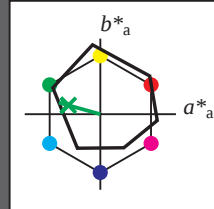
BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cmY0^* / 000n^* setcmykcolor$

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

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

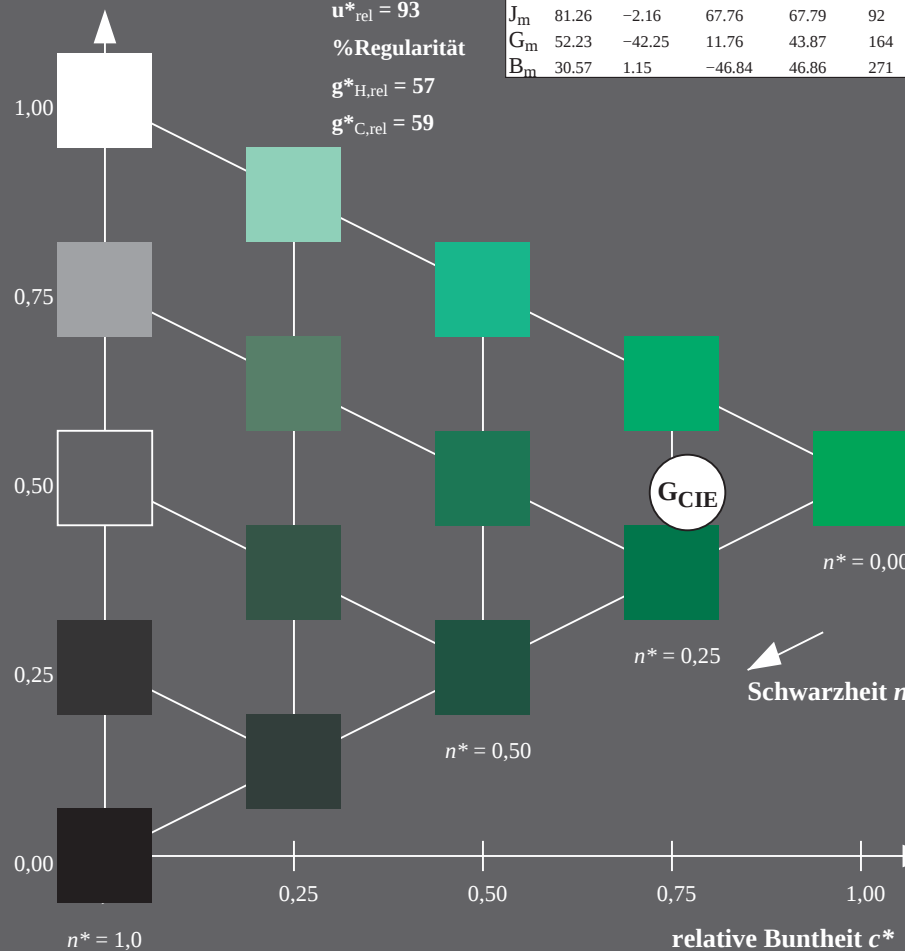
D65: Buntton G  
LCH\*Ma: 53 57 164  
olv\*Ma: 0.0 1.0 0.25



| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>                 | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>                 | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>                 | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>                 | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>                 | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub>                 | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>m</sub>                 | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>m</sub>                 | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>m</sub>                 | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

Dreiecks-Helligkeit  $t^*$

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

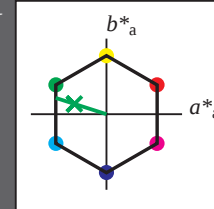


OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

### Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

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

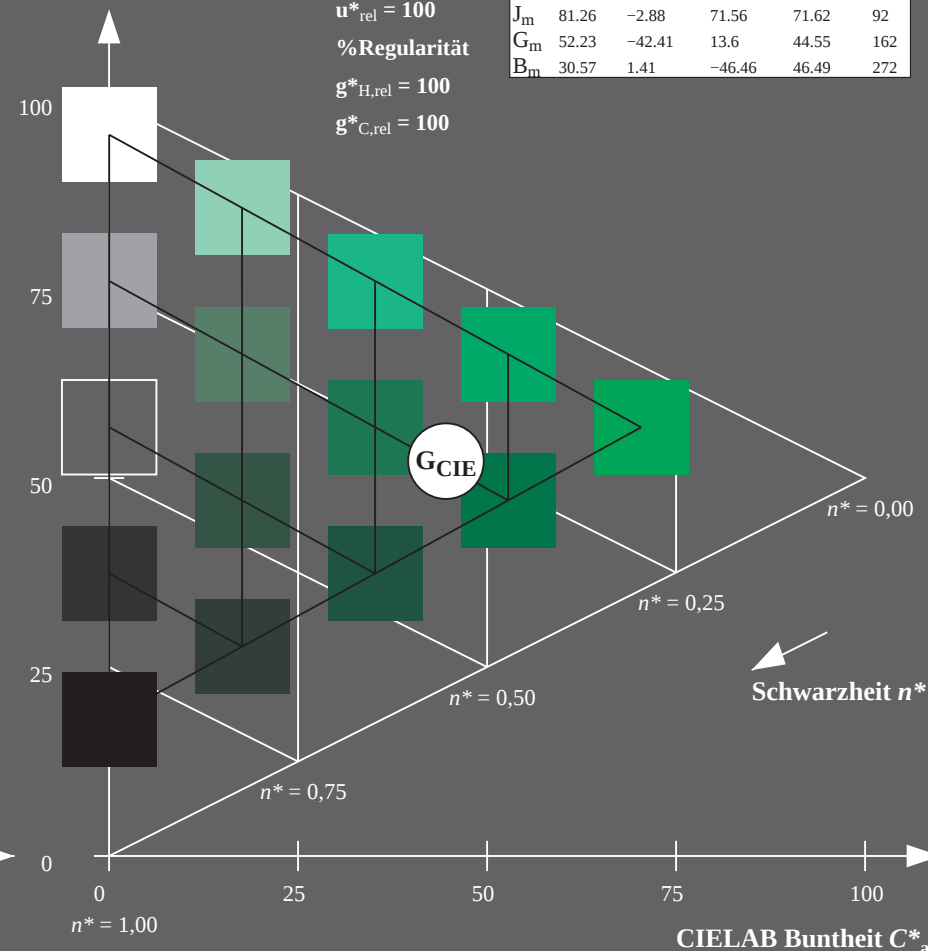
D65: Buntton G  
LCH\*Ma: 57 70 162  
olv\*Ma: 0.0 1.0 0.22



| SRS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>                 | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>                 | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>                 | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>                 | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>                 | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub>                 | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>m</sub>                 | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>m</sub>                 | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>m</sub>                 | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

CIELAB-Helligkeit  $L^*$

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



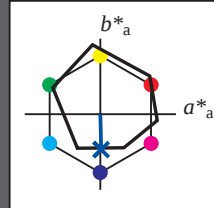
5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Prüfvorlage OG22; Farbmétrik-Systeme ORS18 & SRS18 input:  $cm y0^* set cmykcolor$   
D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cm y0^* / 000n^* set cmykcolor$

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

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

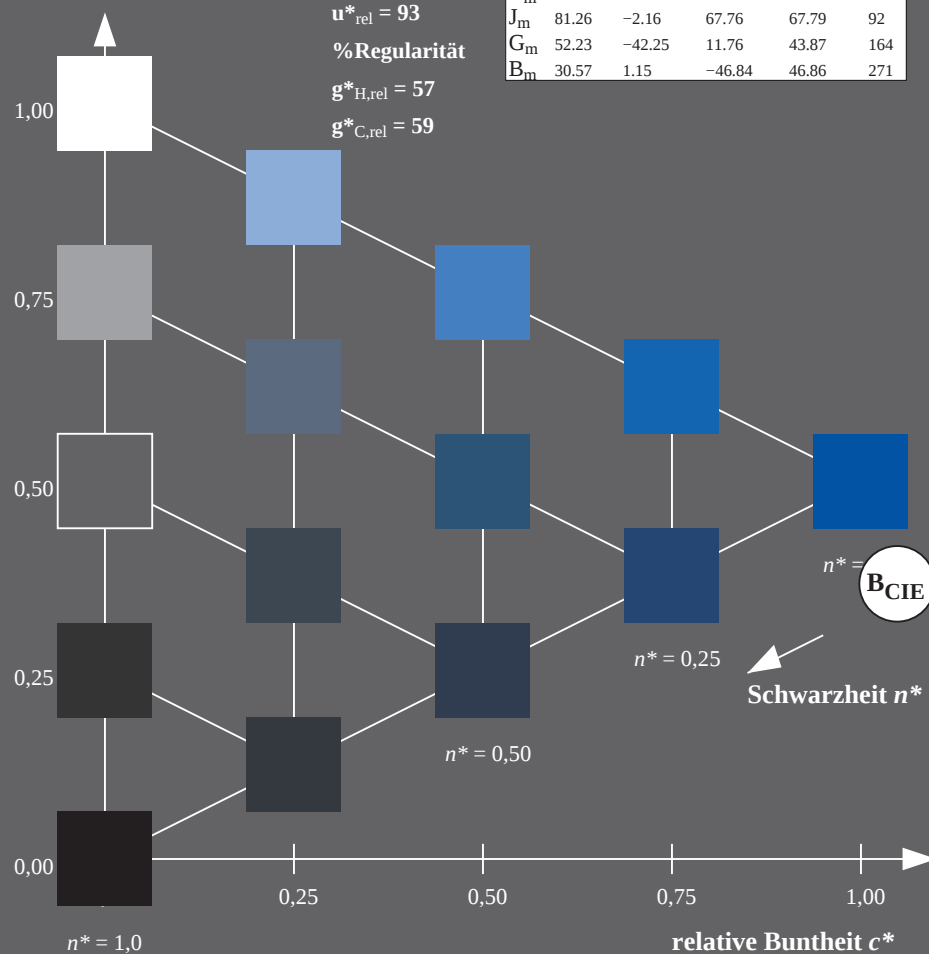
D65: Buntton B  
LCH\*Ma: 42 45 271  
olv\*Ma: 0.0 0.49 1.0



| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>m</sub>                 | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>m</sub>                 | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>m</sub>                 | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>m</sub>                 | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>m</sub>                 | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub>                 | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>m</sub>                 | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>m</sub>                 | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>m</sub>                 | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

Dreiecks-Helligkeit  $t^*$

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

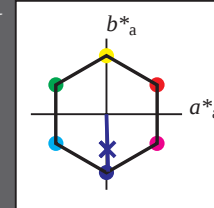


OG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

### Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 272/360 = 0.755$   
 $LAB^*LCH$ ,  $LAB^*NCH$

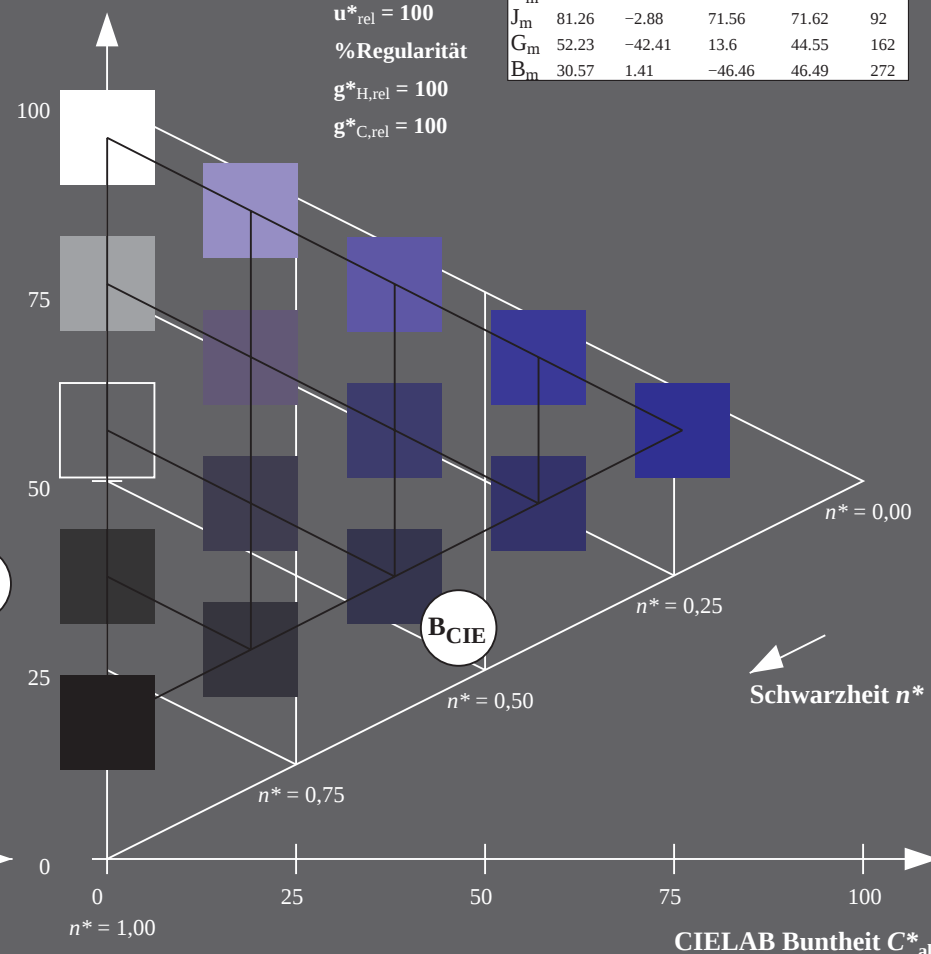
D65: Buntton B  
LCH\*Ma: 57 76 272  
olv\*Ma: 0.03 0.0 1.0



| SRS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>m</sub>                 | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>m</sub>                 | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>m</sub>                 | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>m</sub>                 | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>m</sub>                 | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>m</sub>                 | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>m</sub>                 | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>m</sub>                 | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>m</sub>                 | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>m</sub>                 | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>m</sub>                 | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

CIELAB-Helligkeit  $L^*$

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



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