

Eingabe: Farbmimetrisches Offset-Reflektiv-System ORS18

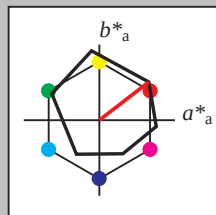
für Buntton  $h^* = lab^*h = 38/360 = 0.105$

$lab^*tch$  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>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          |

Dreiecks-Helligkeit  $t^*$

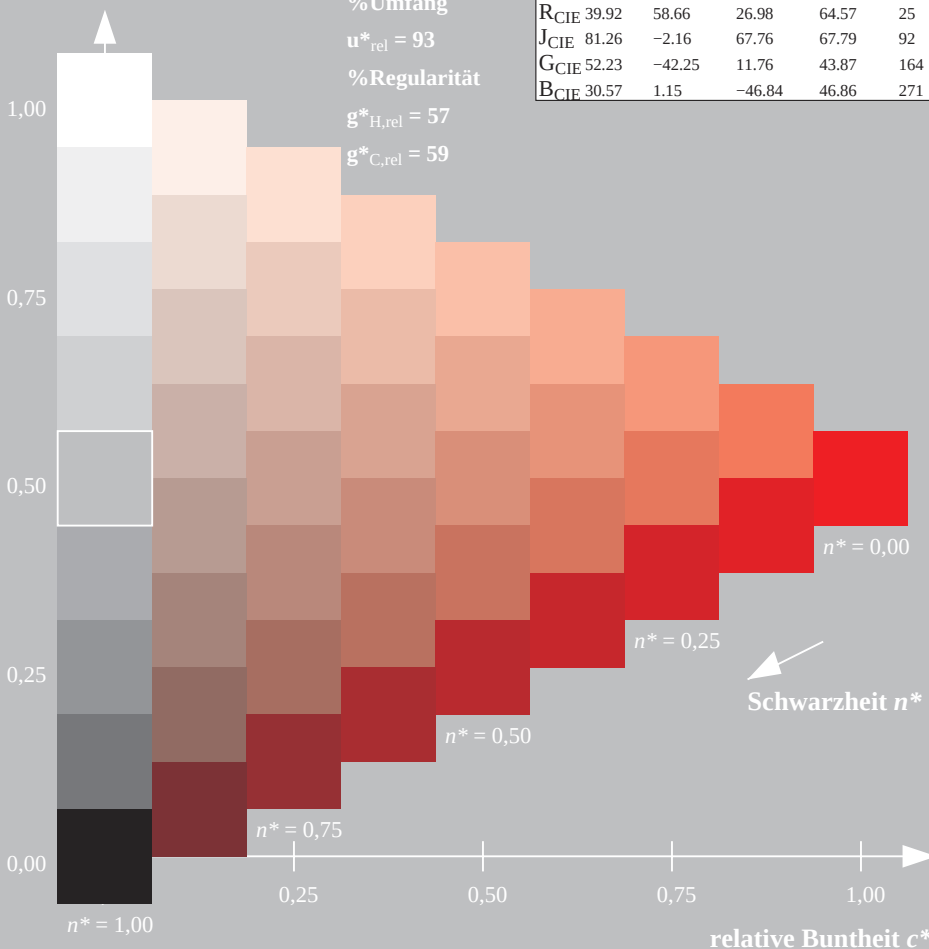
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage OG92; Farbmimetrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

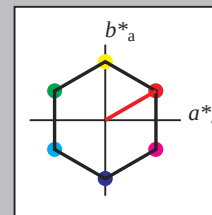
für Buntton  $h^* = lab^*h = 30/360 = 0.083$

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

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

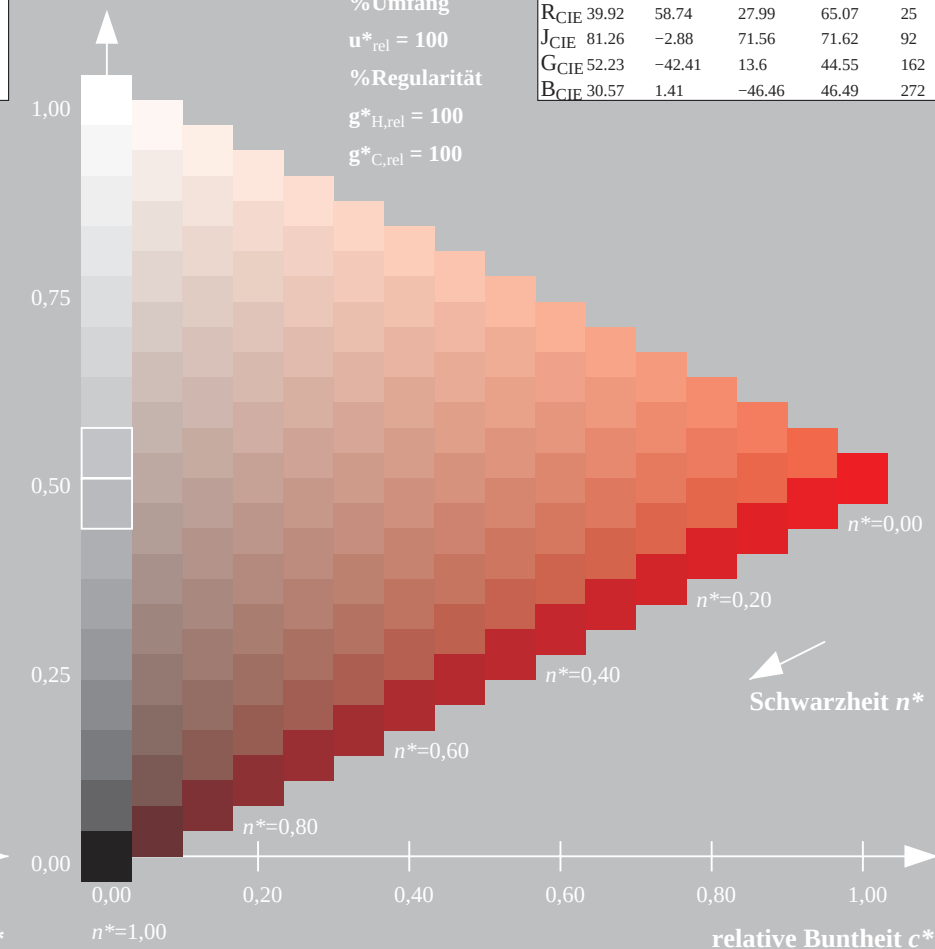
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

output:  $cmY0^* / 000n^* setcmykcolor$

Eingabe: Farbmimetrisches Offset-Reflektiv-System ORS18

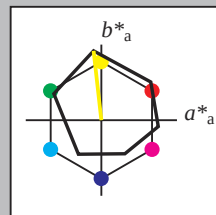
für Buntton  $h^* = lab \cdot h = 96/360 = 0.268$

$lab \cdot tch$  und  $lab \cdot nch$

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>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          |

Dreiecks-Helligkeit  $t^*$

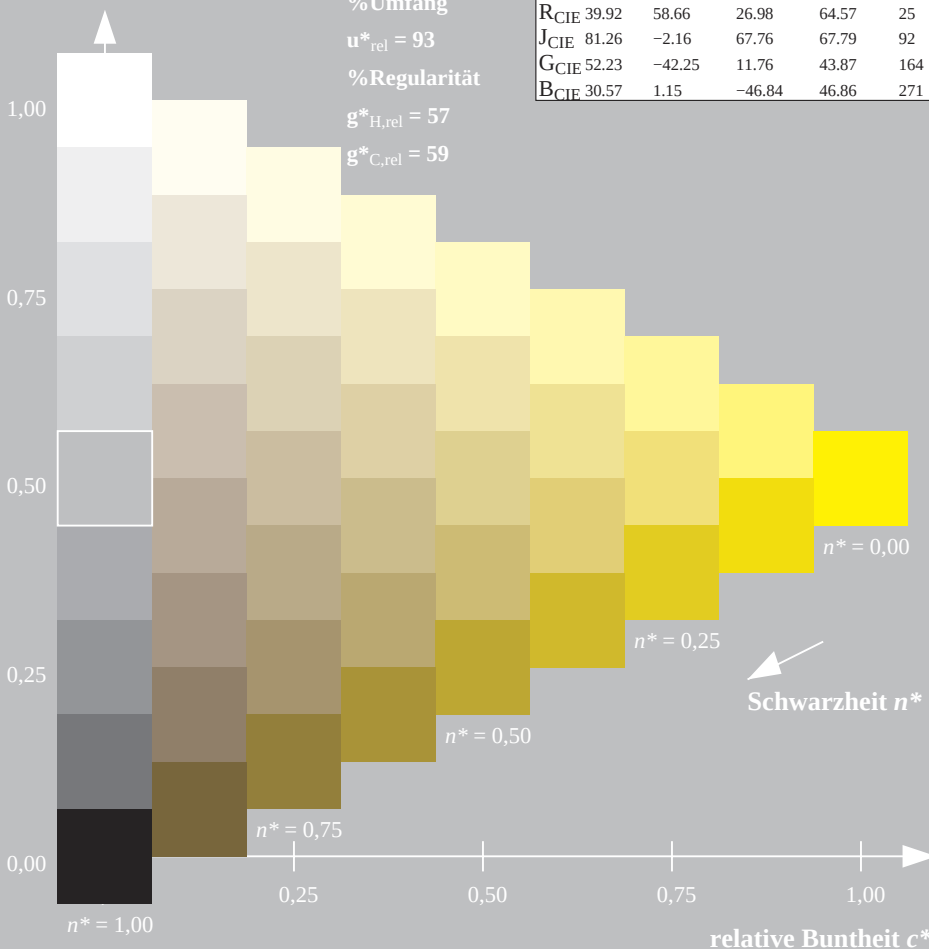
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

BAM-Prüfvorlage OG92; Farbmimetrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmYkcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

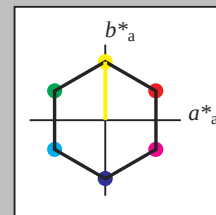
für Buntton  $h^* = lab \cdot h = 90/360 = 0.25$

$lab \cdot tch$  und  $lab \cdot nch$

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

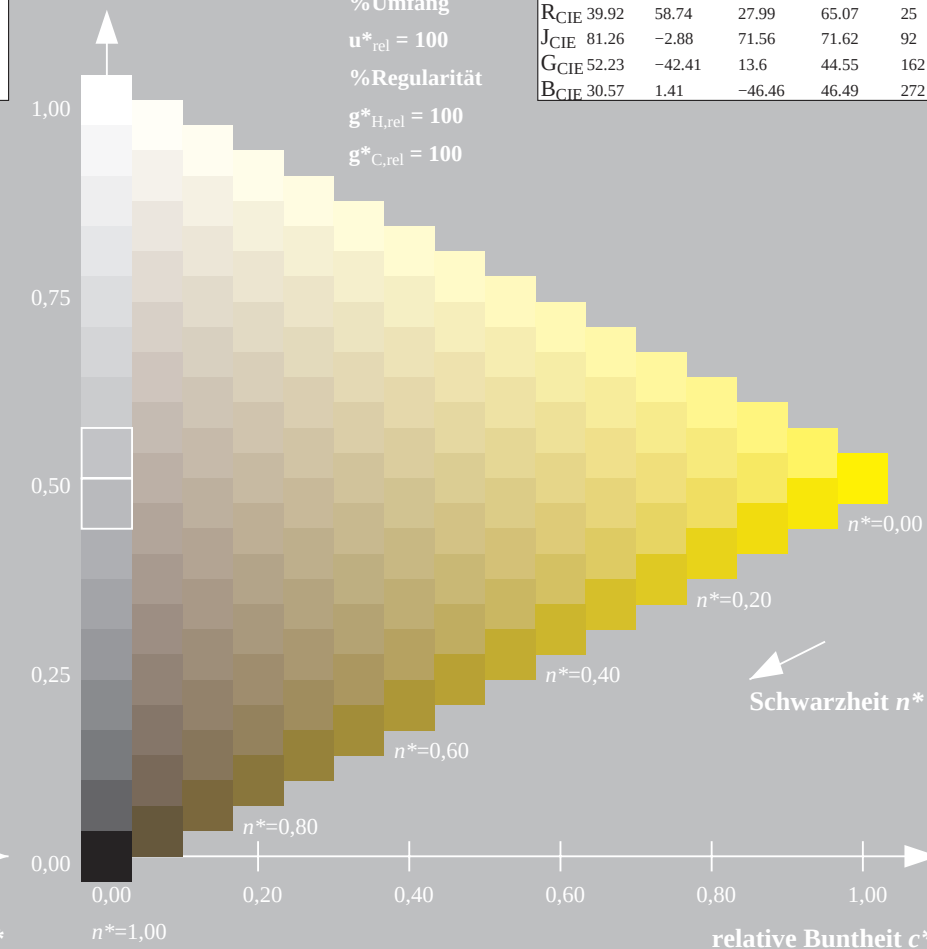
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

output:  $cmY0^* / 000n^* setcmYkcolor$

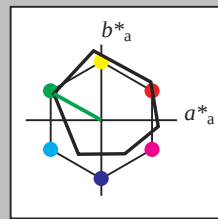
## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

## D65: Buntton L

LCH\*Ma: 51 72 151

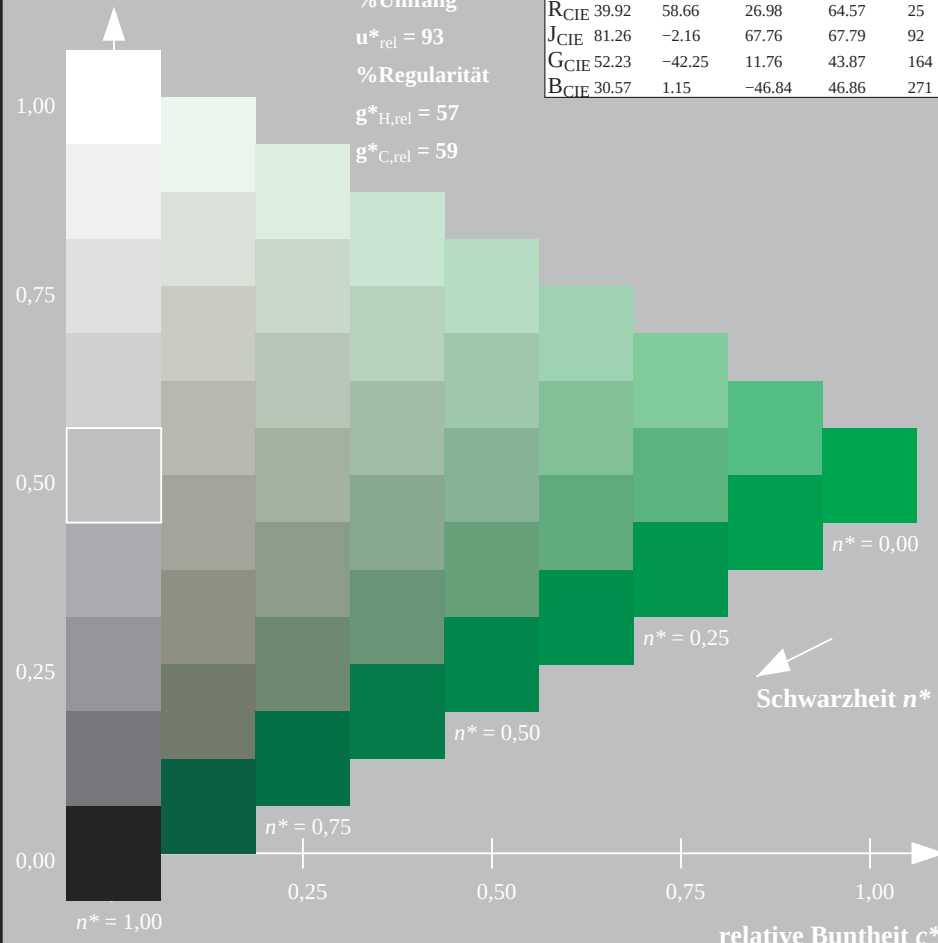
**olv\*Ma: 0.0 1.0 0.0**



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

### Dreiecks-Helligkeit $t^*$

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton  $151/360 = 0.419$  (links)

BAM-Prüfvorlage OG92; Farbmeter-Systeme ORS18 & SRS18 input: *cmy0\* setcmykcolor*

## D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

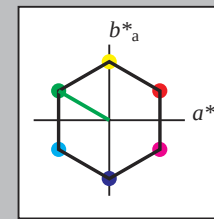
für Buntton  $h^* = lab^*h = 150/360 = 0.417$

**lab\*tch und lab\*nch**

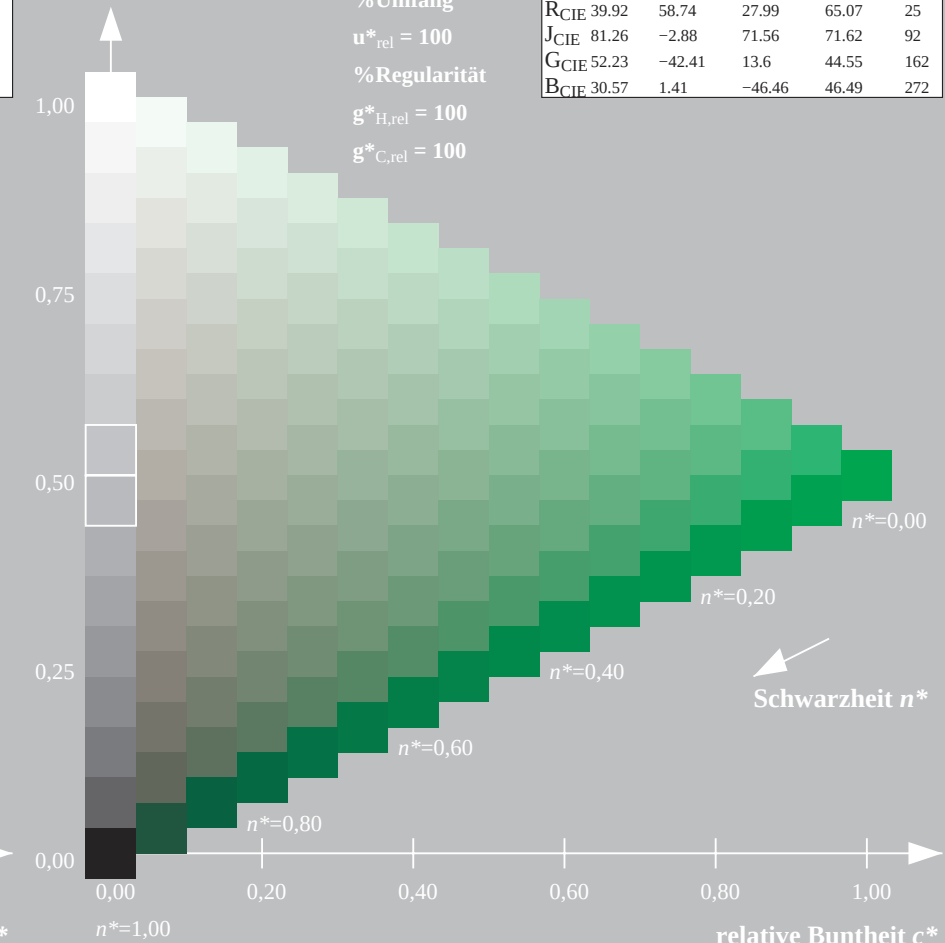
D65: Buntton L

LCH\*Ma: 57 77 150

olv\*Ma: 0.0 1.0 0.0



| SRS18; adaptierte CIELAB-Daten |                  |                  |                  |                     |                     |
|--------------------------------|------------------|------------------|------------------|---------------------|---------------------|
|                                | $L^*_{\text{a}}$ | $a^*_{\text{a}}$ | $b^*_{\text{a}}$ | $C^*_{\text{ab,a}}$ | $h^*_{\text{ab,a}}$ |
| O <sub>Ma</sub>                | 56.71            | 67.03            | 38.7             | 77.4                | 30                  |
| Y <sub>Ma</sub>                | 56.71            | 0.0              | 77.4             | 77.4                | 90                  |
| L <sub>Ma</sub>                | 56.71            | -67.02           | 38.7             | 77.4                | 150                 |
| C <sub>Ma</sub>                | 56.71            | -67.02           | -38.69           | 77.4                | 210                 |
| V <sub>Ma</sub>                | 56.71            | 0.0              | -77.39           | 77.4                | 270                 |
| M <sub>Ma</sub>                | 56.71            | 67.03            | -38.69           | 77.4                | 330                 |
| 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  $t^*$ 16stufige Reihen für konstanten CIELAB Buntton  $150/360 = 0.417$  (rechts)

8 input: *cmy0\** *setcmykcolor*

```
output: cmy0* / 000n* setcmykcolor
```

Eingabe: Farbmimetrisches Offset-Reflektiv-System ORS18

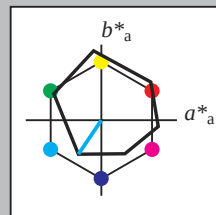
für Buntton  $h^* = lab^*h = 236/360 = 0.656$

$lab^*tch$  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>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          |

Dreiecks-Helligkeit  $t^*$

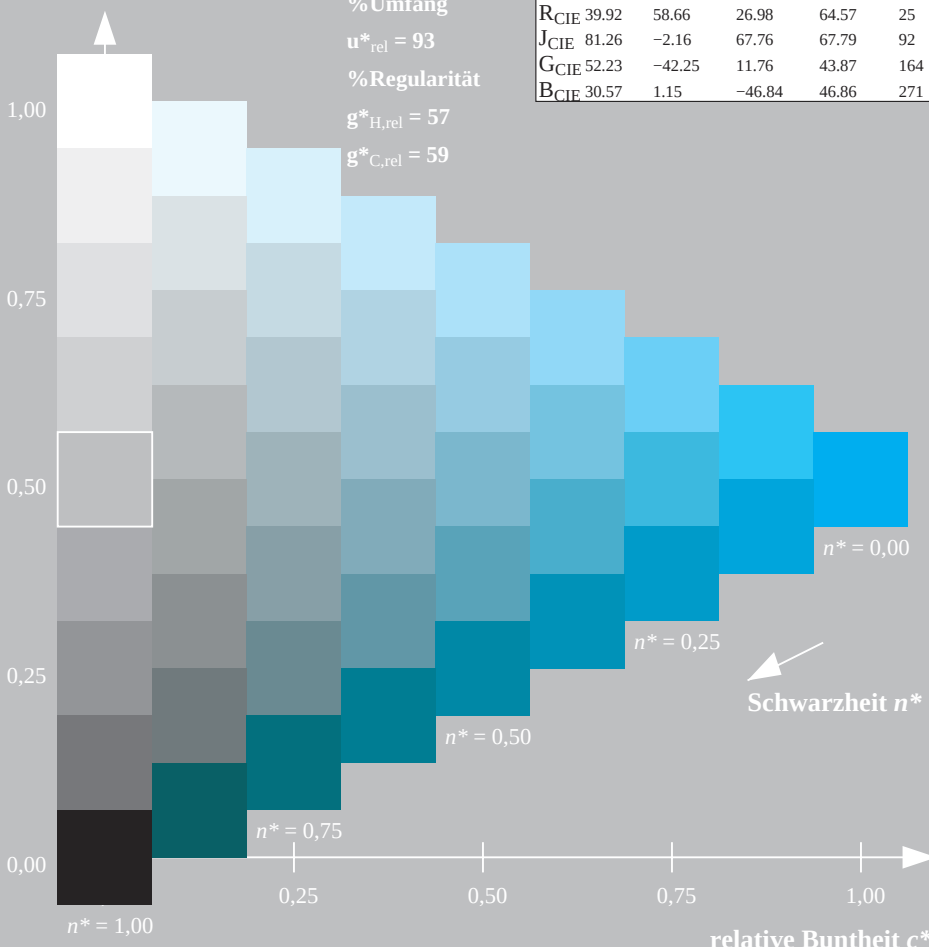
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

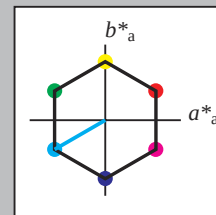
für Buntton  $h^* = lab^*h = 210/360 = 0.583$

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

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

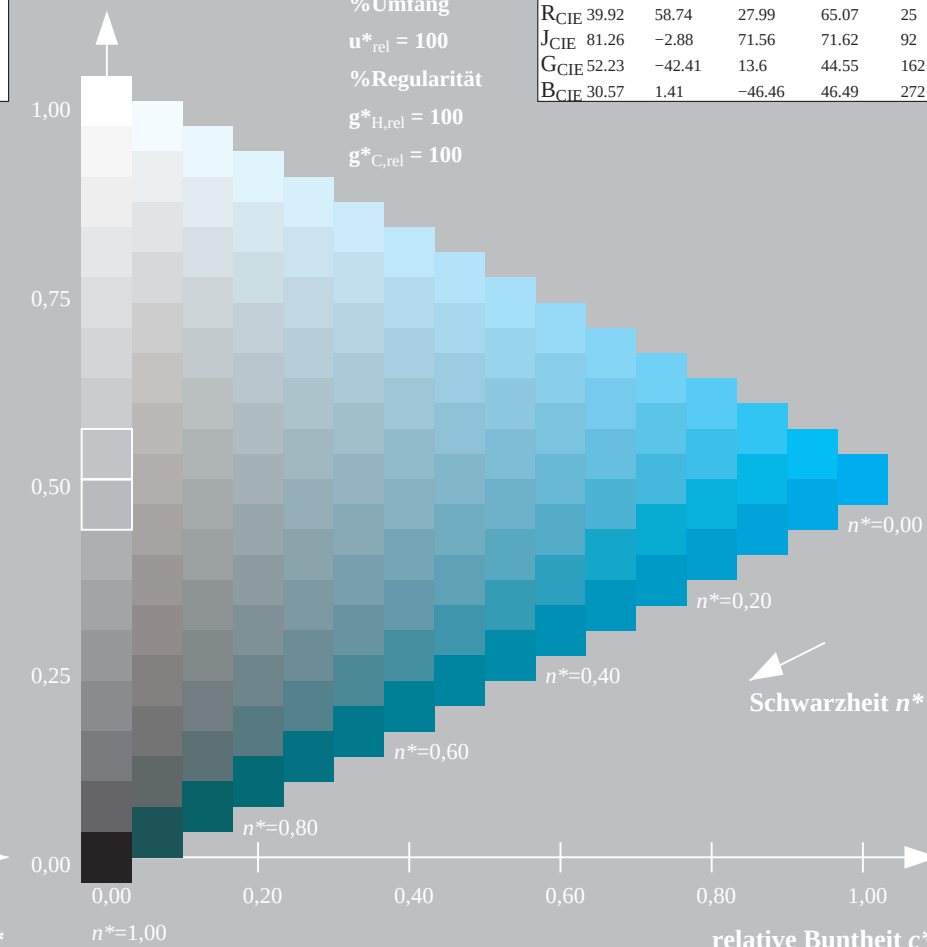
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

16stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

BAM-Prüfvorlage OG92; Farbmimetrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

output:  $cmY0^* / 000n^* setcmykcolor$

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

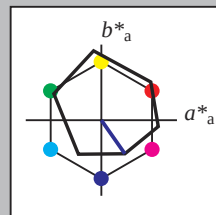
für Buntton  $h^* = lab^*h = 305/360 = 0.847$

$lab^*tch$  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>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          |

Dreiecks-Helligkeit  $t^*$

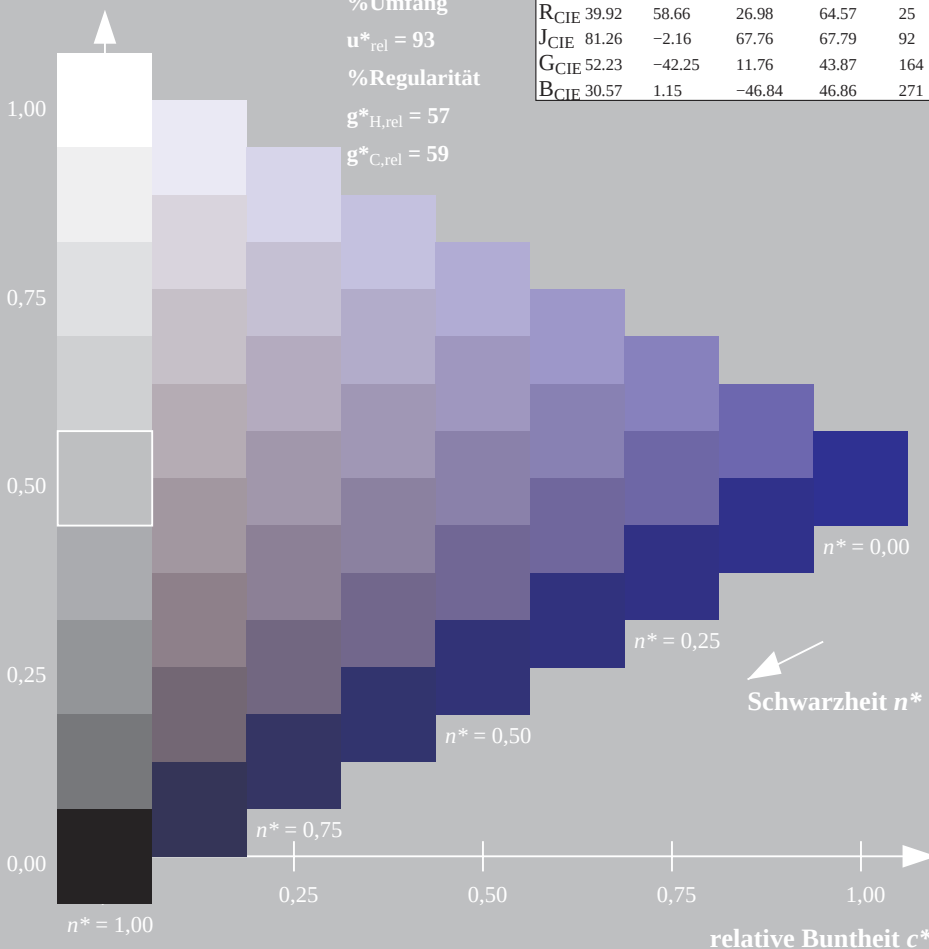
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

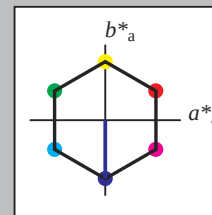
für Buntton  $h^* = lab^*h = 270/360 = 0.75$

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

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

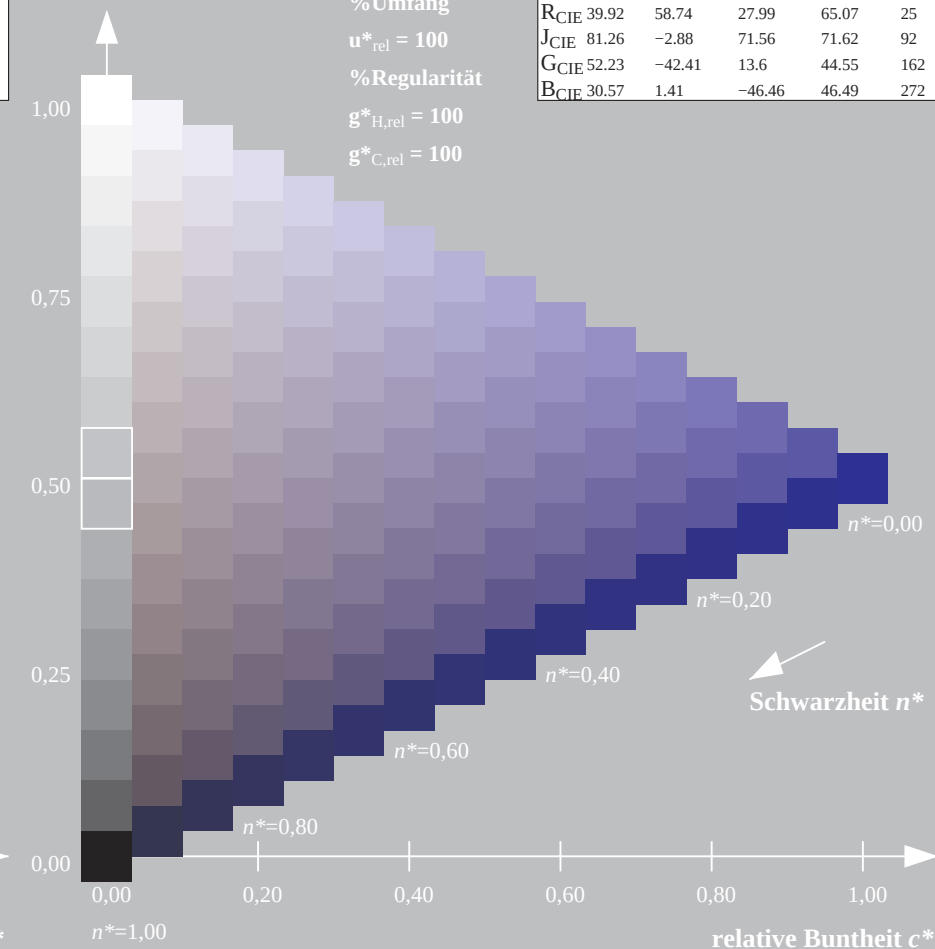
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

16stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

BAM-Prüfvorlage OG92; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

output:  $cmY0^* / 000n^* setcmykcolor$

Eingabe: Farbmimetrisches Offset-Reflektiv-System ORS18

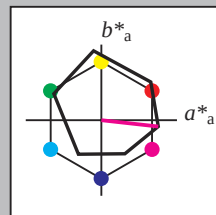
für Buntton  $h^* = lab^*h = 354/360 = 0.982$

$lab^*tch$  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>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          |

Dreiecks-Helligkeit  $t^*$

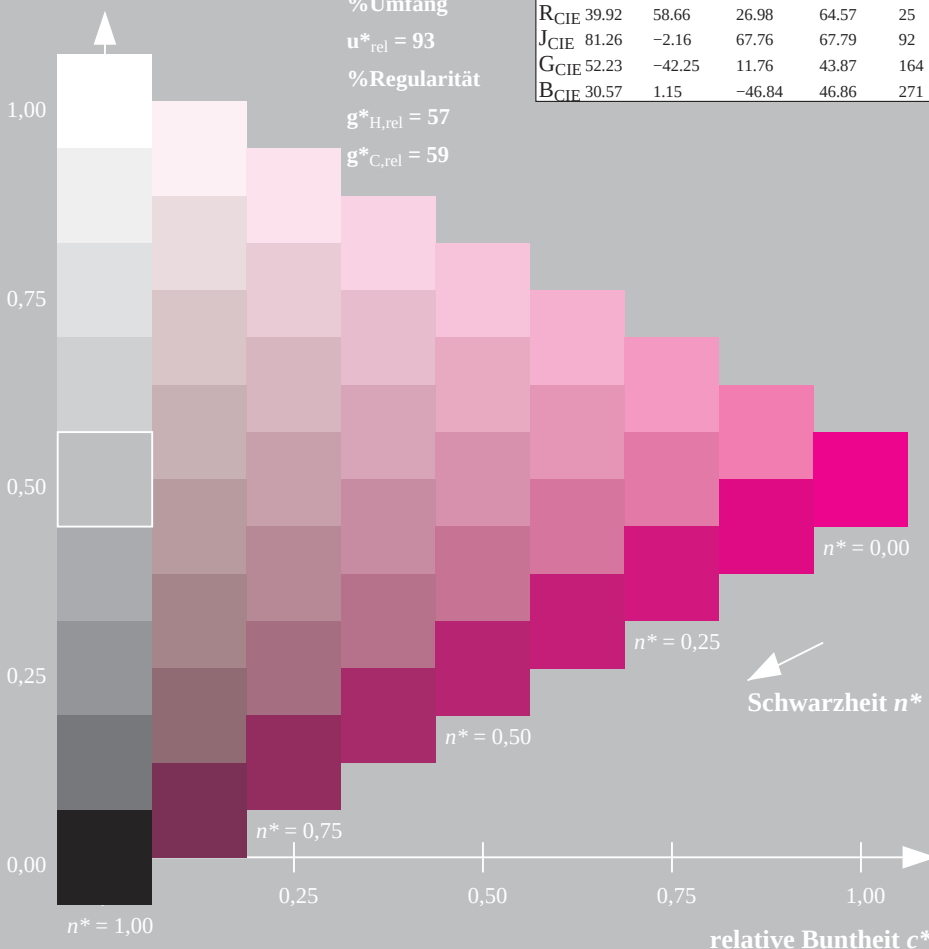
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

BAM-Prüfvorlage OG92; Farbmimetrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

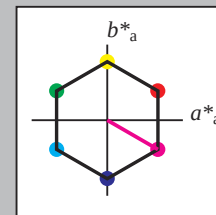
für Buntton  $h^* = lab^*h = 330/360 = 0.917$

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

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

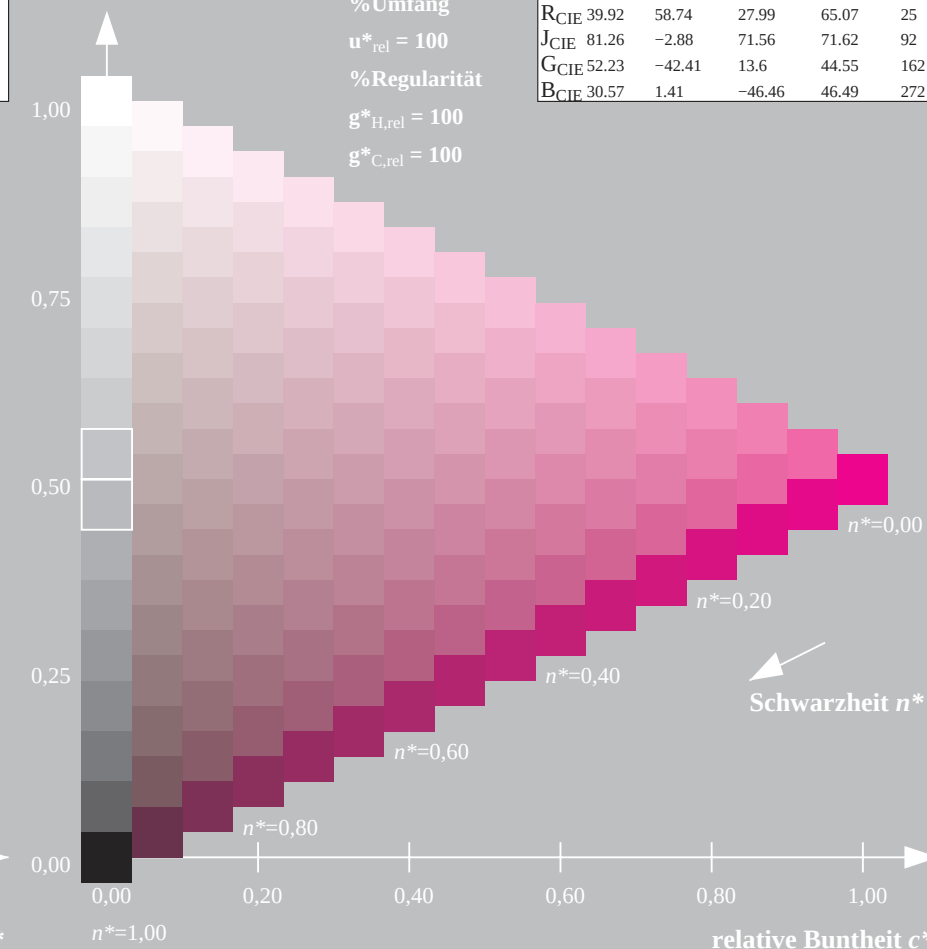
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

output:  $cmY0^* / 000n^* setcmykcolor$

Eingabe: Farbmimetrisches Offset-Reflektiv-System ORS18

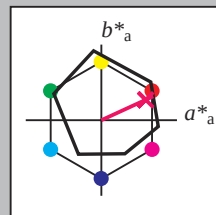
für Buntton  $h^* = lab \cdot h = 25/360 = 0.069$

$lab \cdot tch$  und  $lab \cdot nch$

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>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          |

Dreiecks-Helligkeit  $t^*$

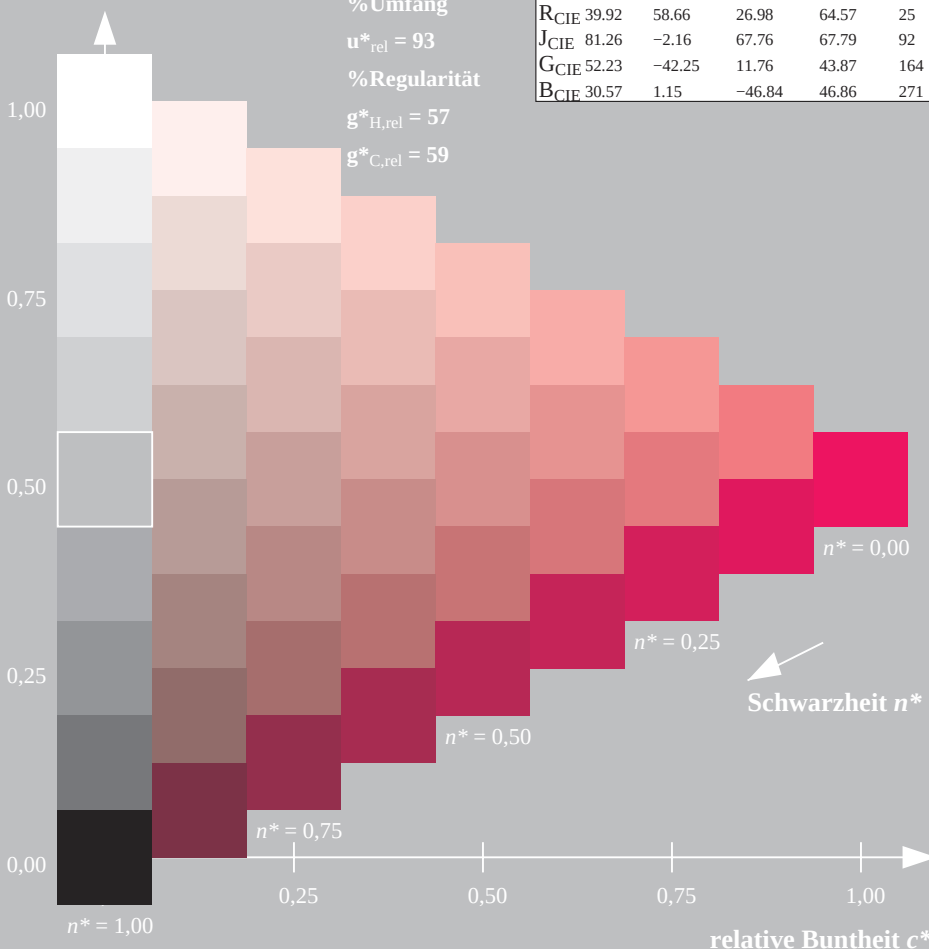
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

BAM-Prüfvorlage OG92; Farbmimetrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

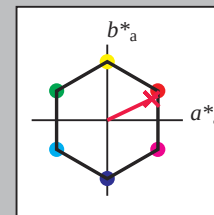
für Buntton  $h^* = lab \cdot h = 25/360 = 0.071$

$lab \cdot tch$  und  $lab \cdot nch$

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

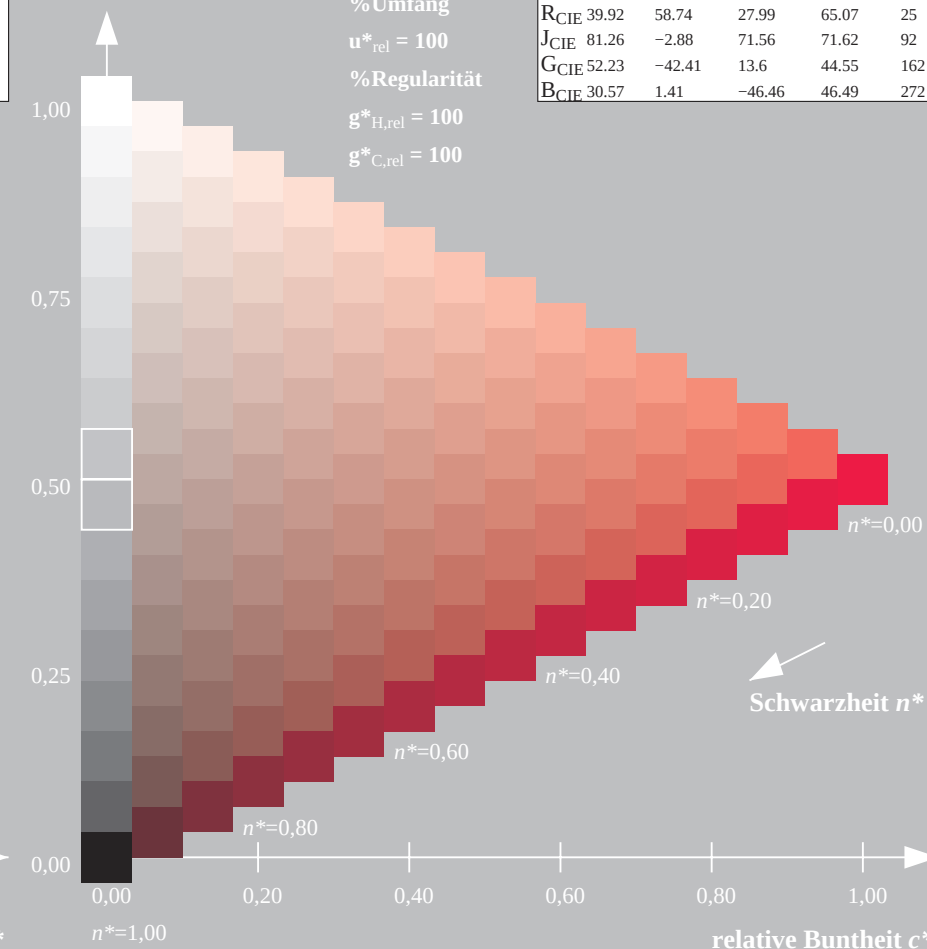
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

output:  $cmY0^* / 000n^* setcmykcolor$



Eingabe: Farbmimetrisches Offset-Reflektiv-System ORS18

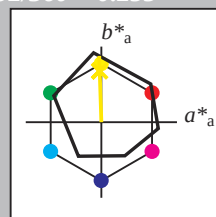
für Buntton  $h^* = lab^*h = 92/360 = 0.255$

$lab^*tch$  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>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          |

Dreiecks-Helligkeit  $t^*$

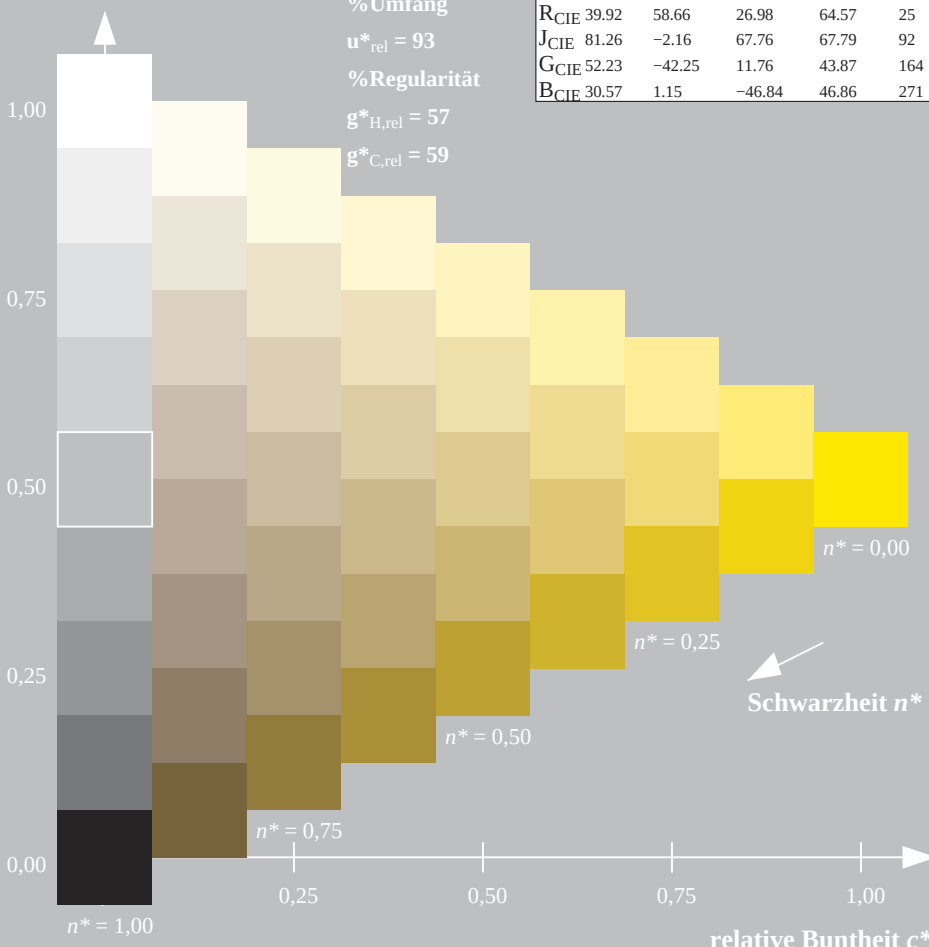
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage OG92; Farbmimetrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmimetrisches Standard-Reflektiv-System SRS18

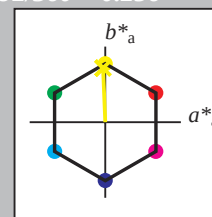
für Buntton  $h^* = lab^*h = 92/360 = 0.256$

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

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

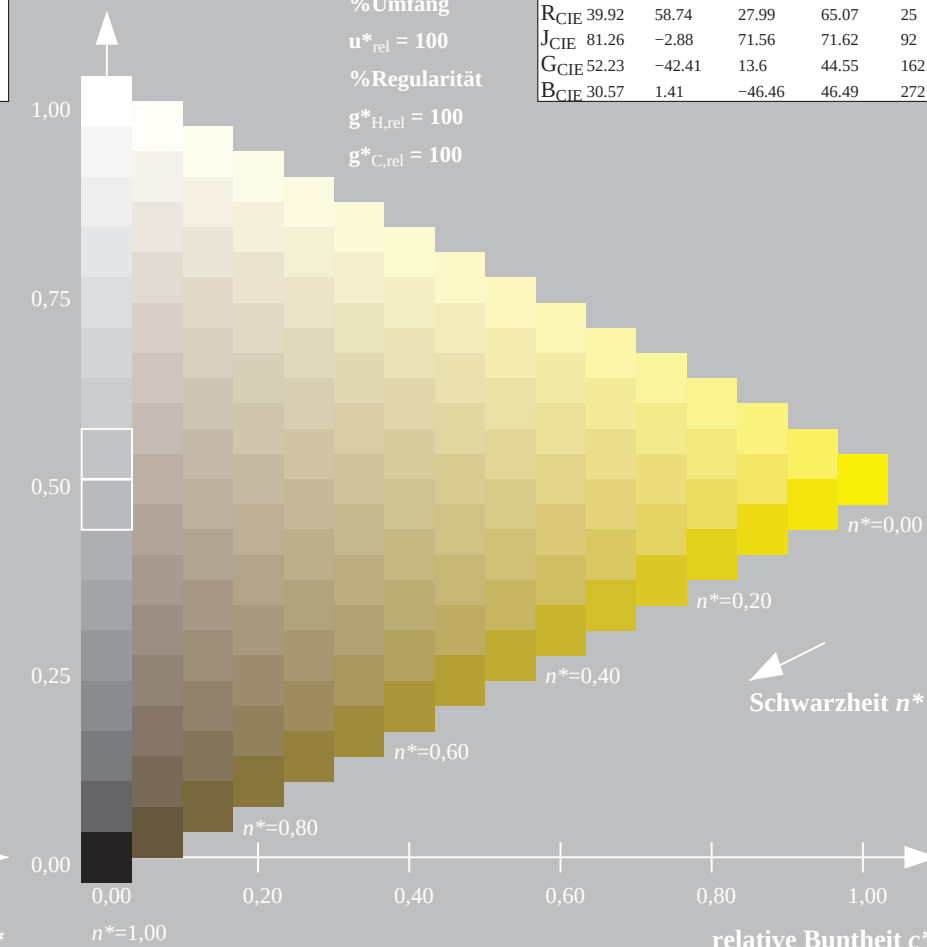
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

output:  $cmY0^* / 000n^* setcmykcolor$



Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

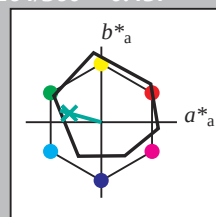
für Buntton  $h^* = lab^*h = 164/360 = 0.457$

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

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>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          |

Dreiecks-Helligkeit  $t^*$

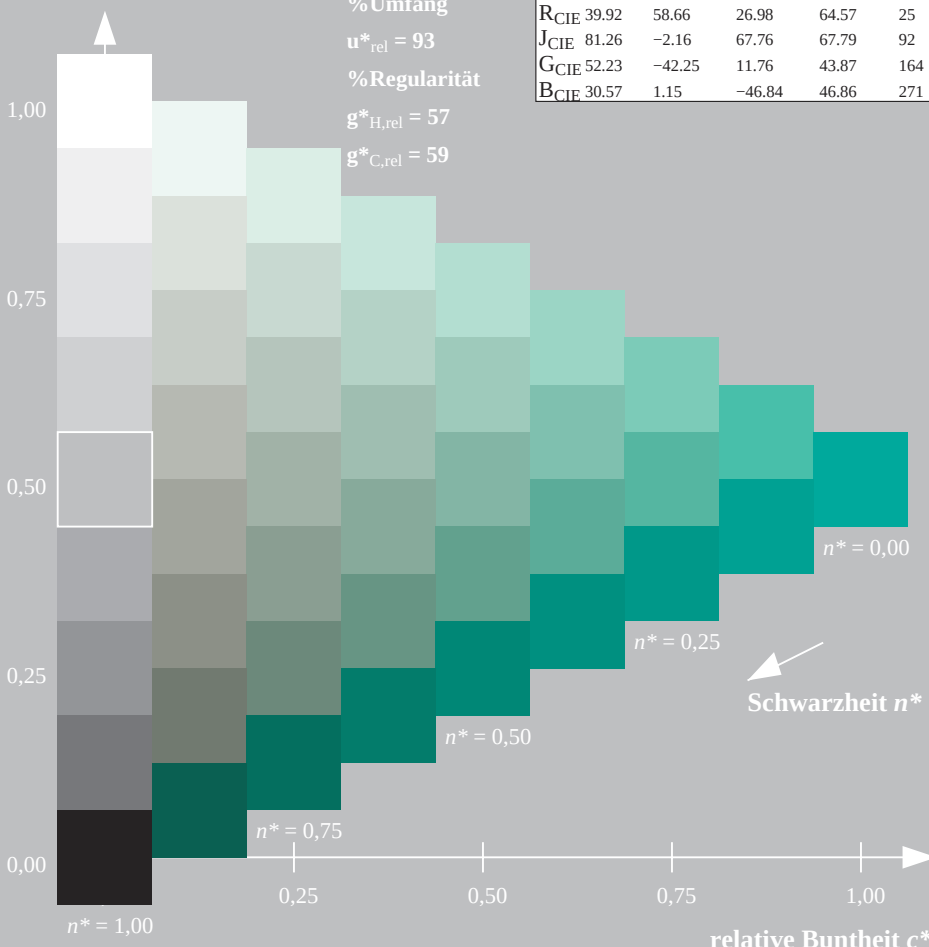
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

BAM-Prüfvorlage OG92; Farbmétrik-Systeme ORS18 & SRS18 input:  $cmY0^* setcmykcolor$

D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

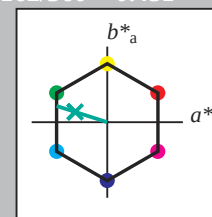
für Buntton  $h^* = lab^*h = 162/360 = 0.451$

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

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>Ma</sub>                | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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  $t^*$

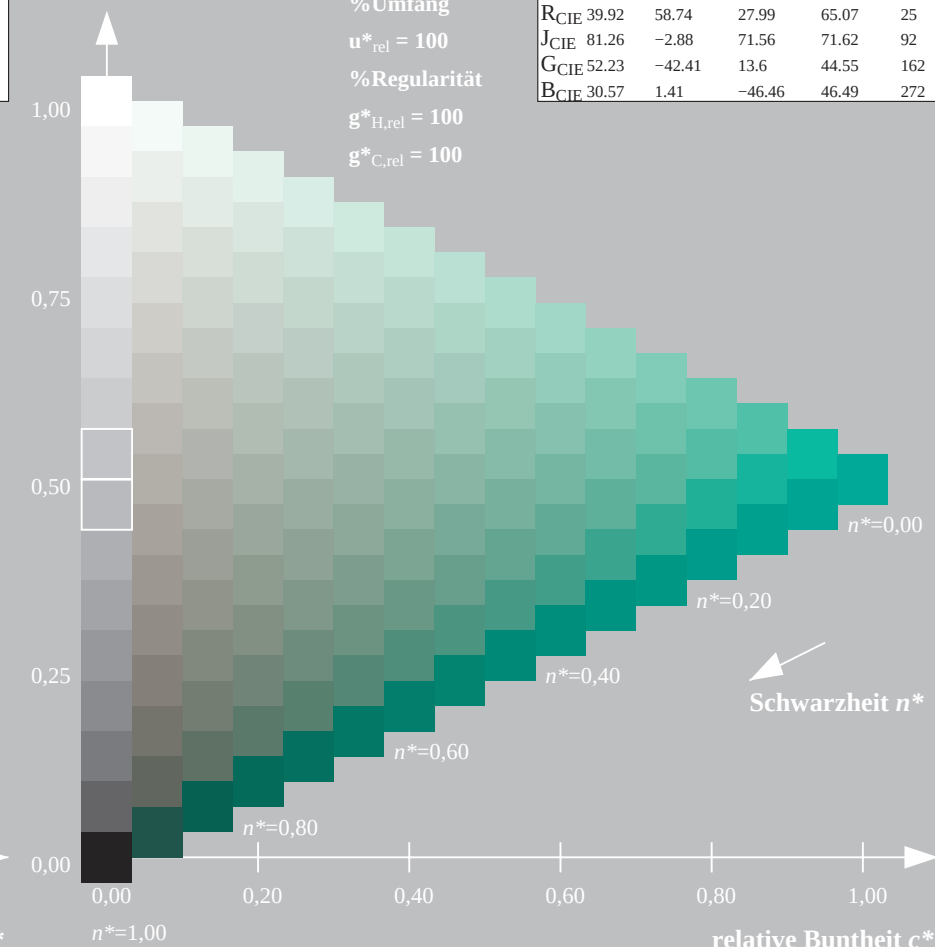
%Umfang

$u^*_{rel} = 100$

%Regularität

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

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



16stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

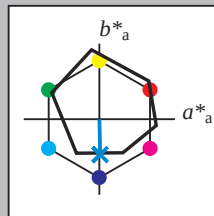
output:  $cmY0^* / 000n^* setcmykcolor$

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

## D65: Buntton B

**LCH\*Ma: 42 45 271**

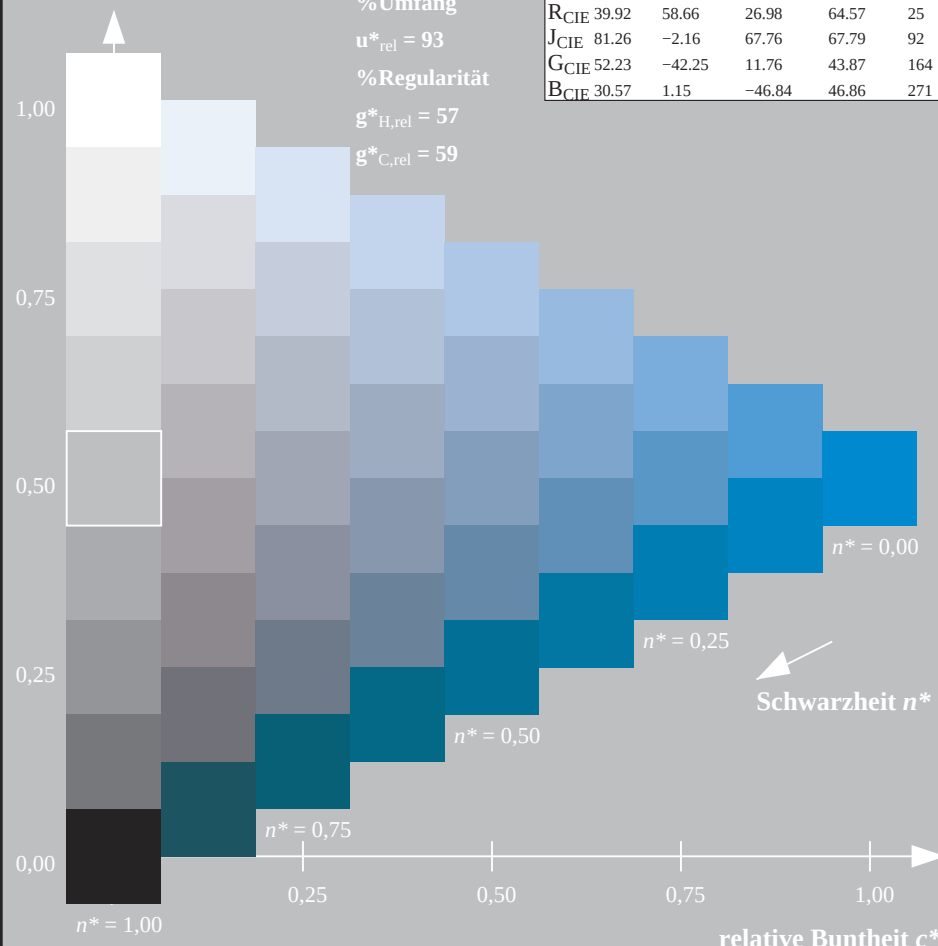
olv\*Ma: 0.0 0.49 1.0



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

### Dreiecks-Helligkeit $t^*$

**g\*<sub>C,rel</sub> = 59**



OG920-7, 9stufige Reihen für konstanten CIELAB Buntton  $271/360 = 0.754$  (links)

BAM-Prüfvorlage OG92; Farbmeter-Systeme ORS18 & SRS18 input: *cmy0\* setcmykcolor*

## D65: 9 und 16stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

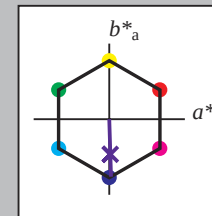
für Buntton  $h^* = lab^*h = 272/360 = 0.755$

**lab\*tch** und **lab\*nch**

D65: Buntton B

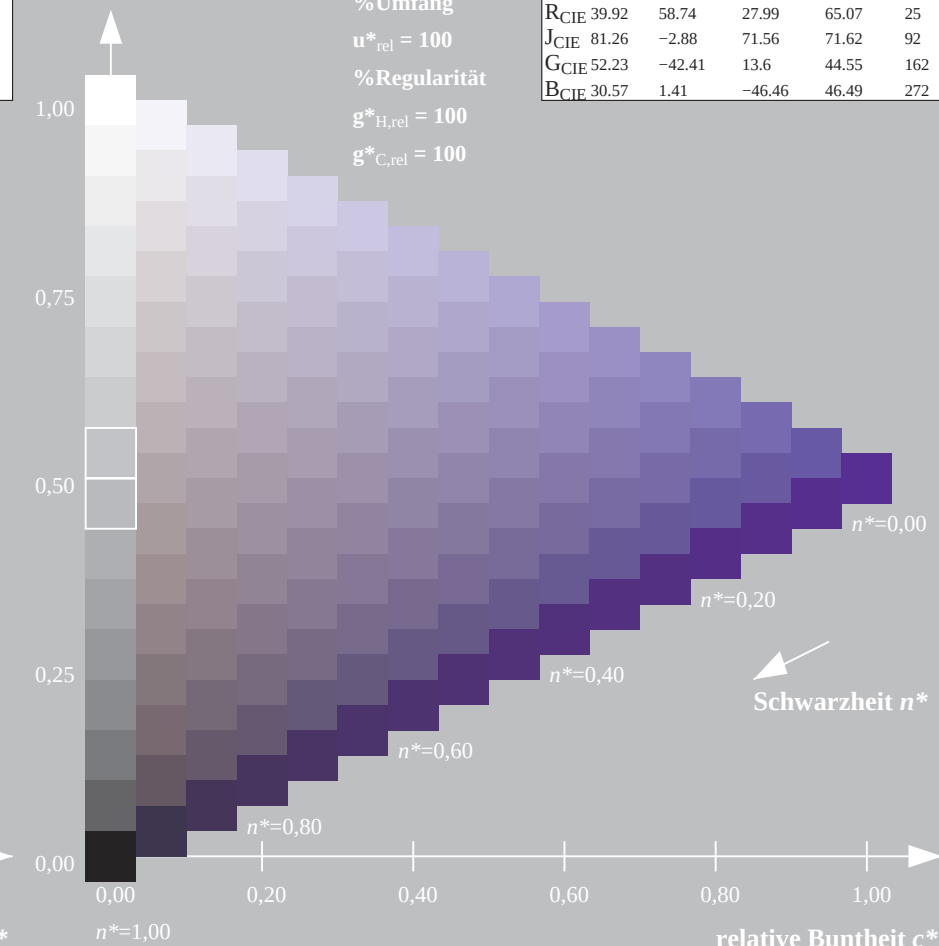
LCH\*Ma: 57 76 272

olv\*Ma: 0.03 0.0 1.0



| SRS18; adaptierte CIELAB-Daten |            |            |            |              |              |
|--------------------------------|------------|------------|------------|--------------|--------------|
|                                | $L^*_{*a}$ | $a^*_{*a}$ | $b^*_{*a}$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| Q <sub>Ma</sub>                | 56.71      | 67.03      | 38.7       | 77.4         | 30           |
| Y <sub>Ma</sub>                | 56.71      | 0.0        | 77.4       | 77.4         | 90           |
| L <sub>Ma</sub>                | 56.71      | -67.02     | 38.7       | 77.4         | 150          |
| C <sub>Ma</sub>                | 56.71      | -67.02     | -38.69     | 77.4         | 210          |
| V <sub>Ma</sub>                | 56.71      | 0.0        | -77.39     | 77.4         | 270          |
| M <sub>Ma</sub>                | 56.71      | 67.03      | -38.69     | 77.4         | 330          |
| 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 $t^*$

16stufige Reihen für konstanten CIELAB Buntton  $272/360 = 0.755$  (rechts)

8 input: *cmy0\** *setcmykcolor*

```
output: cmy0* / 000n* setcmykcolor
```