

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

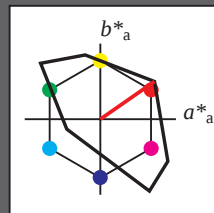
für Buntton  $h^* = lab^*h = 35/360 = 0.097$

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

D65: Buntton O

LCH\*Ma: 53 87 35

olv\*Ma: 1.0 0.0 0.0



#### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub>   | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub>   | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub>   | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub>   | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub>   | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

Dreiecks-Helligkeit  $t^*$

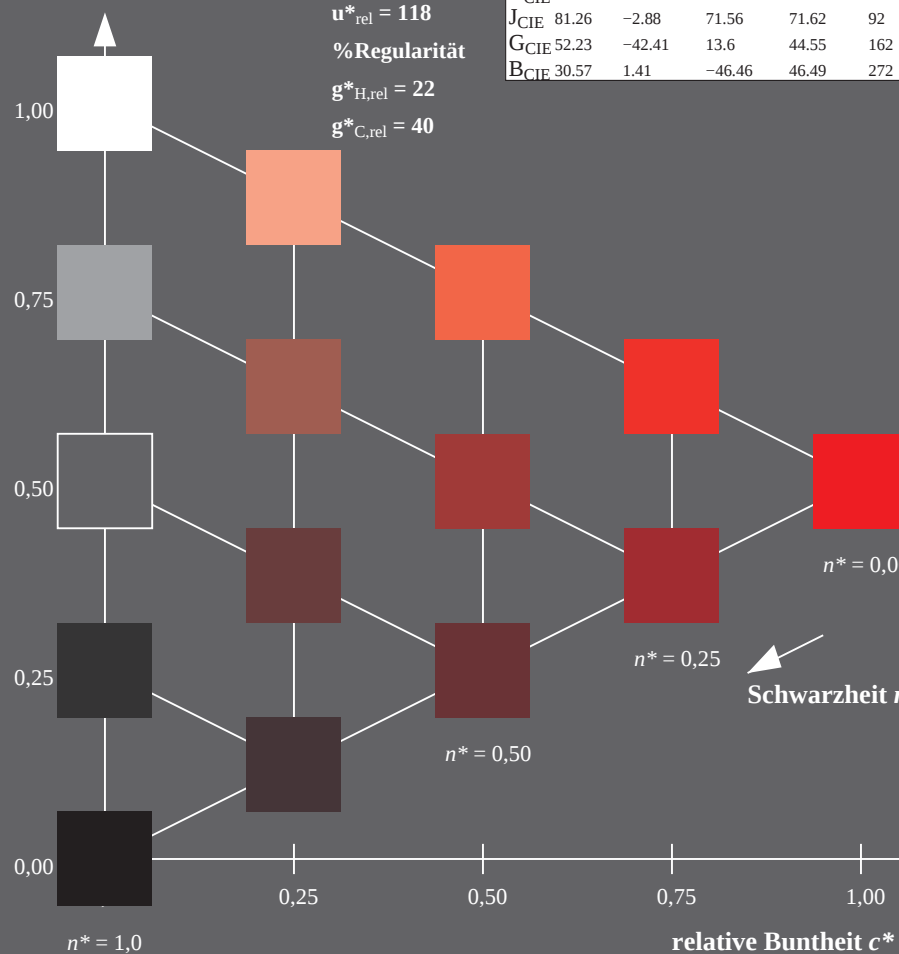
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

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

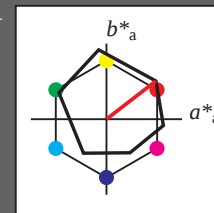
für Buntton  $h^* = lab^*h = 38/360 = 0.105$

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

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          |

CIELAB-Helligkeit  $L^*$

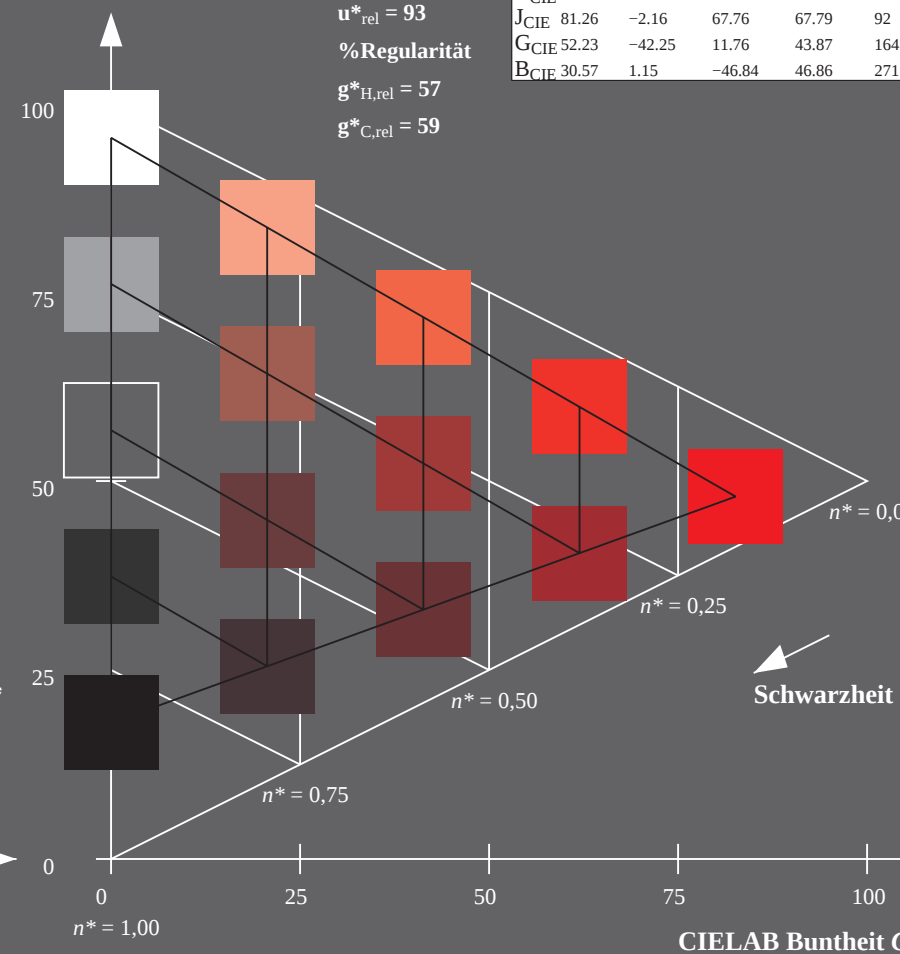
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

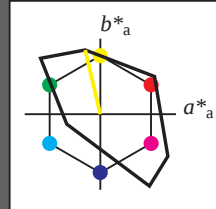
BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmYkcolor$

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

Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab^*h = 103/360 = 0.287$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton Y  
LCH\*Ma: 93 87 103  
olv\*Ma: 1.0 1.0 0.0



TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub>   | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub>   | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub>   | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub>   | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub>   | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

Dreiecks-Helligkeit  $t^*$

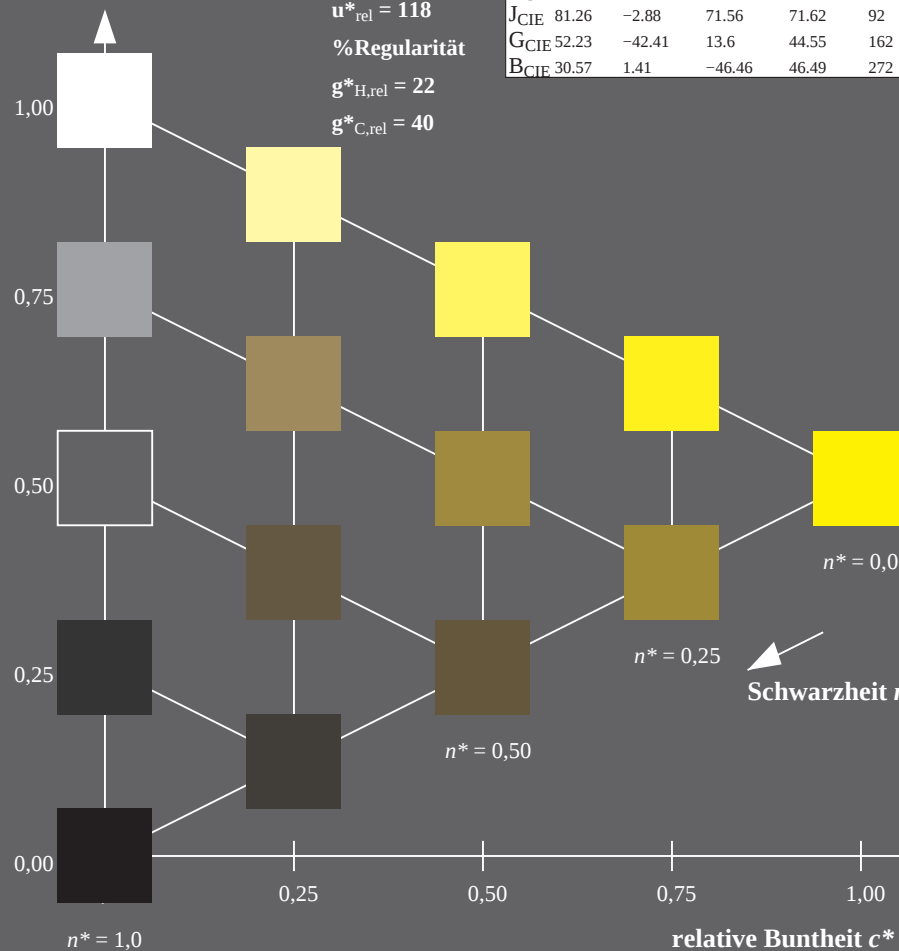
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

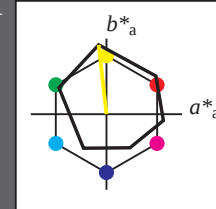


OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 96/360 = 0.268$   
 $LAB^*LCH$ ,  $LAB^*NCH$

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          |

CIELAB-Helligkeit  $L^*$

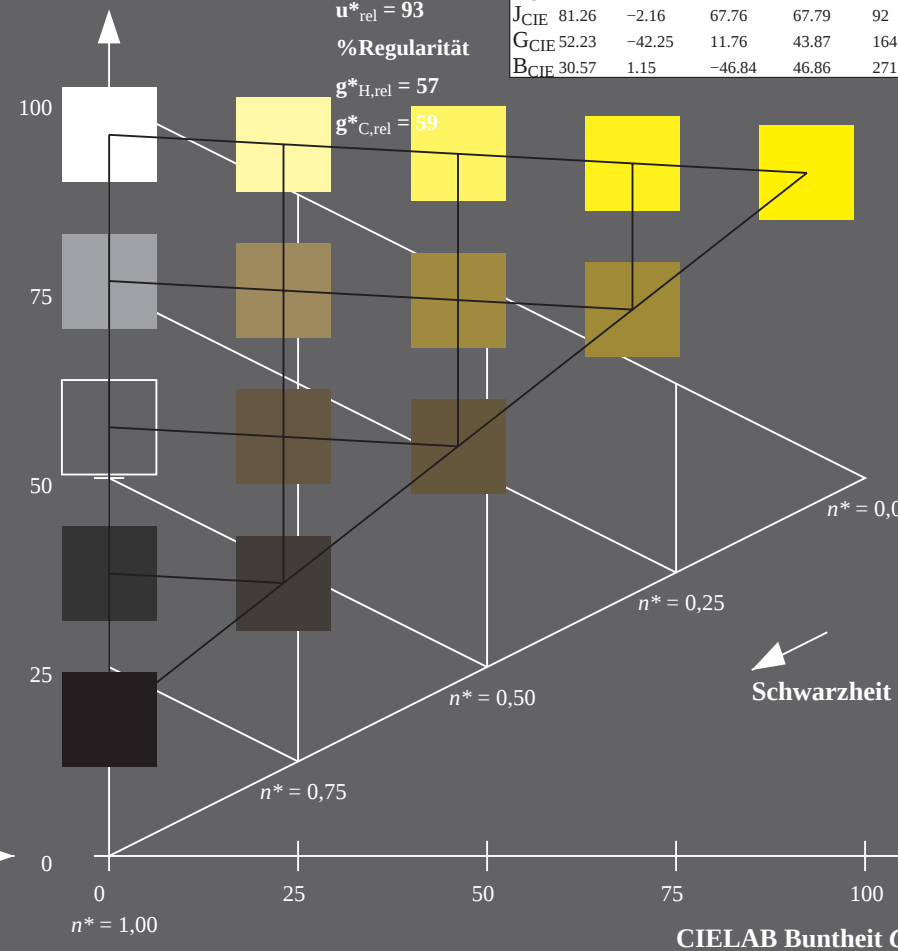
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmykcolor$

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

Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

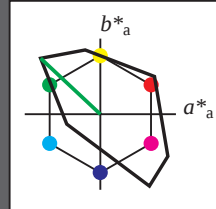
für Buntton  $h^* = lab \cdot h = 137/360 = 0.38$

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

D65: Buntton L

LCH\*Ma: 84 108 137

olv\*Ma: 0.0 1.0 0.0



Dreiecks-Helligkeit  $t^*$

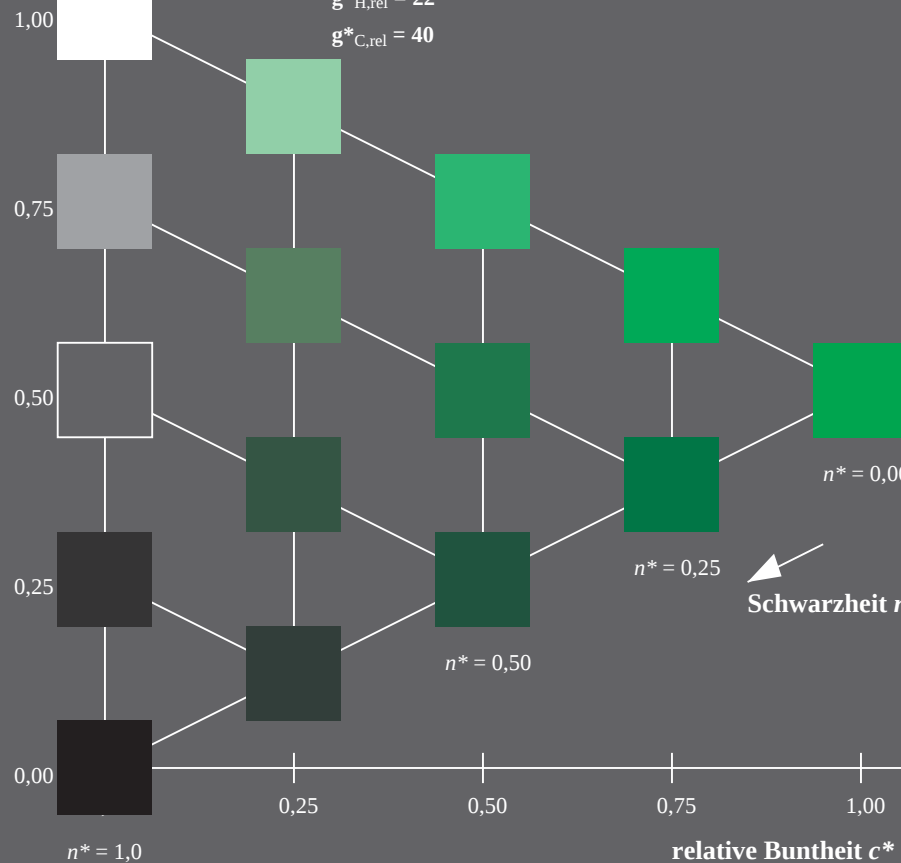
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

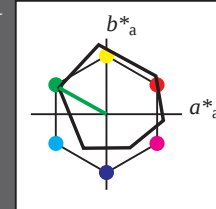
für Buntton  $h^* = lab \cdot h = 151/360 = 0.419$

$LAB \cdot LCH$ ,  $LAB \cdot NCH$

D65: Buntton L

LCH\*Ma: 51 72 151

olv\*Ma: 0.0 1.0 0.0



CIELAB-Helligkeit  $L^*$

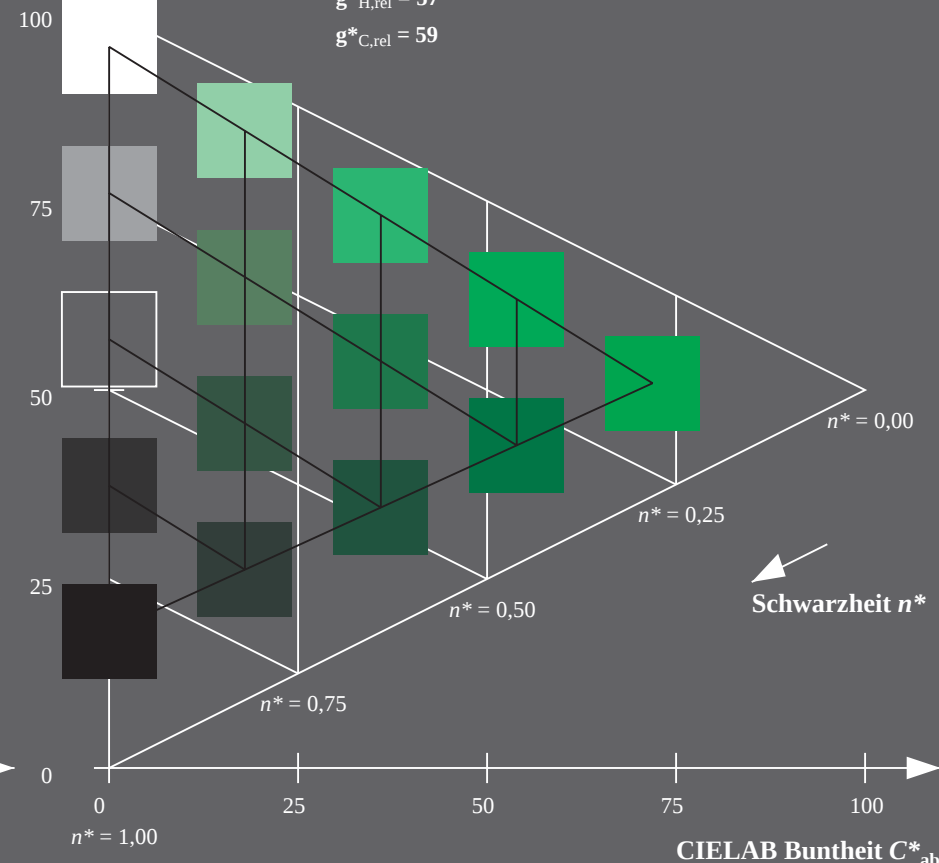
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

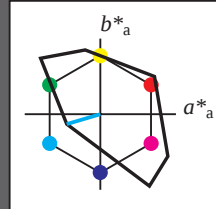
BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmYcolor$

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

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab^*h = 196/360 = 0.546$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton C  
LCH\*Ma: 87 46 196  
olv\*Ma: 0.0 1.0 1.0

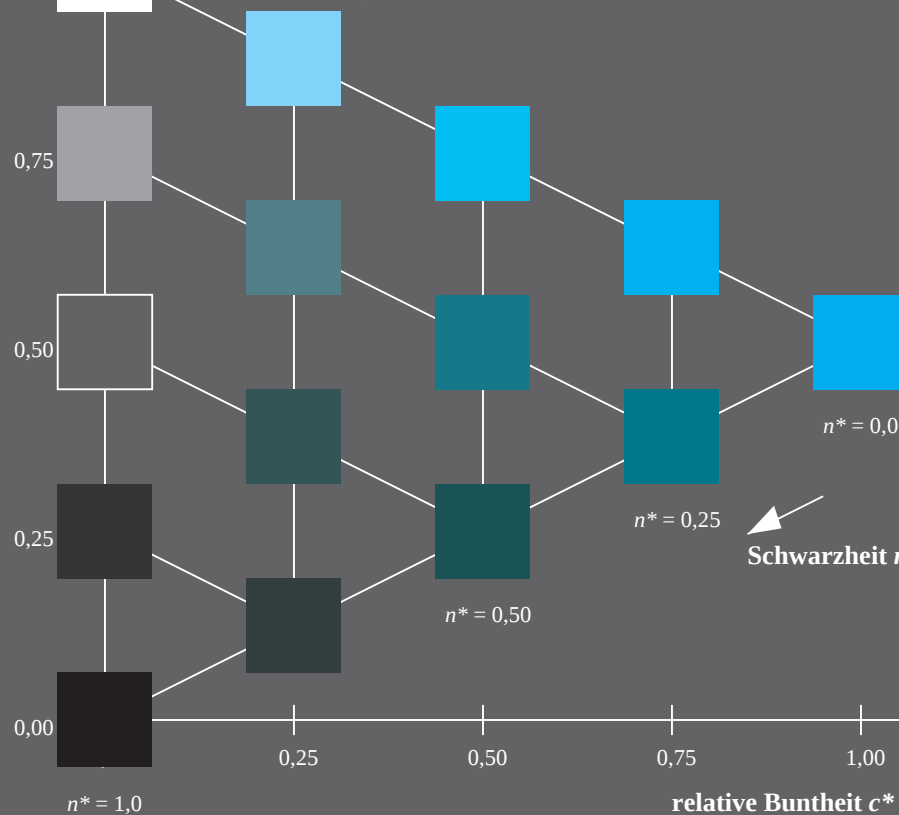


#### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub>   | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub>   | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub>   | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub>   | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub>   | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

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

%Umfang  
 $u^*_{rel} = 118$   
%Regularität  
 $g^*_{H,rel} = 22$   
 $g^*_{C,rel} = 40$

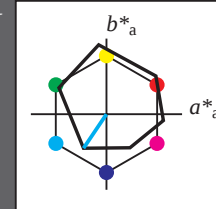


OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

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

für Buntton  $h^* = lab^*h = 236/360 = 0.656$   
 $LAB^*LCH$ ,  $LAB^*NCH$

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

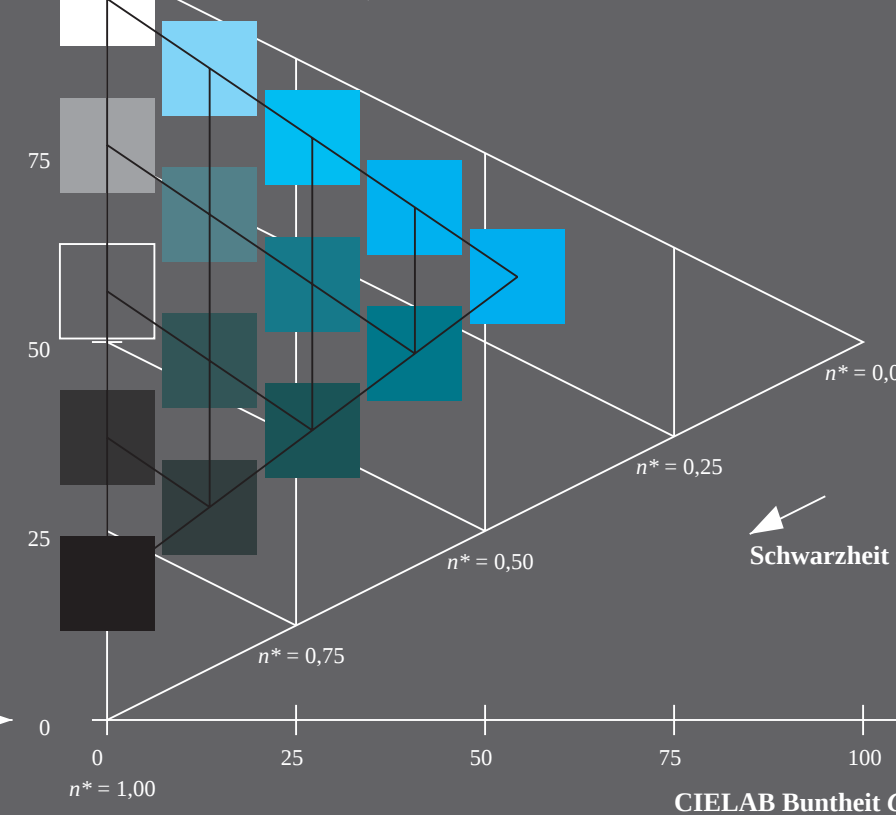


#### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| 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          |

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

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



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

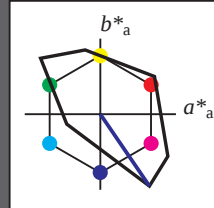
BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmykcolor$

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

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab \cdot h = 304/360 = 0.845$   
 $lab \cdot tch$  und  $lab \cdot nch$

D65: Buntton V  
LCH\*Ma: 35 115 304  
olv\*Ma: 0.0 0.0 1.0

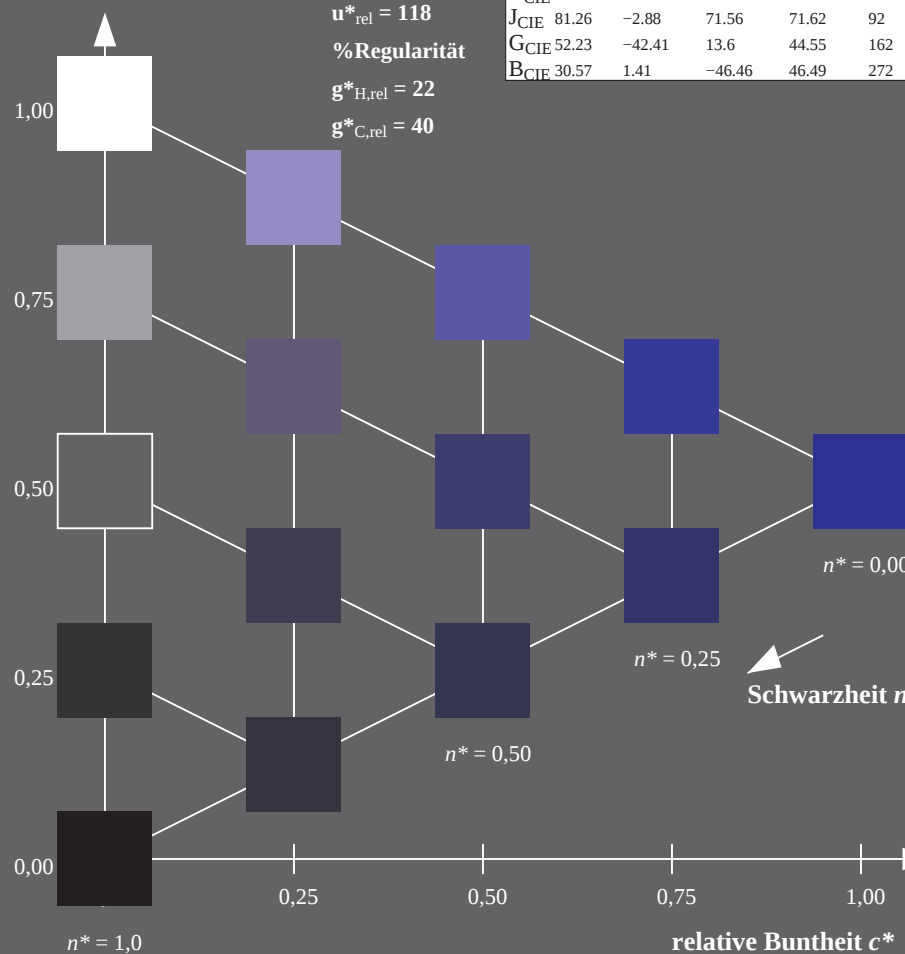


#### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub>   | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub>   | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub>   | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub>   | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub>   | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub>   | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

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

%Umfang  
 $u^*_{rel} = 118$   
%Regularität  
 $g^*_{H,rel} = 22$   
 $g^*_{C,rel} = 40$

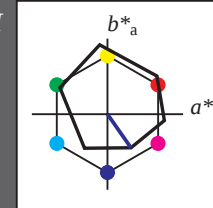


OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

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

für Buntton  $h^* = lab \cdot h = 305/360 = 0.847$   
 $LAB \cdot LCH$ ,  $LAB \cdot NCH$

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

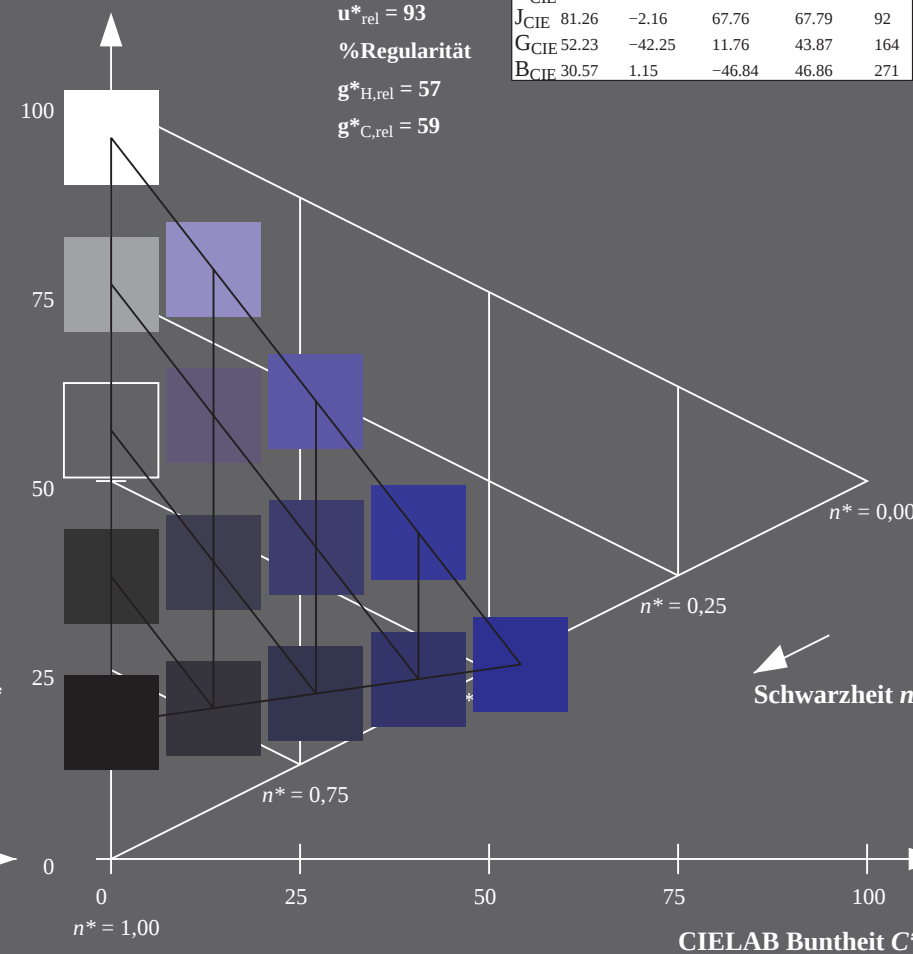


#### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| 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          |

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

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



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

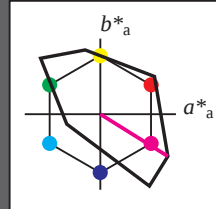
BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cm y0^* set cmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cm y0^* / 000n^* set cmykcolor$

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab \cdot h = 328/360 = 0.911$   
 $lab \cdot tch$  und  $lab \cdot nch$

D65: Buntton M  
LCH\*Ma: 59 105 328  
olv\*Ma: 1.0 0.0 1.0



| TLS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>m</sub>                 | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub>                 | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub>                 | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub>                 | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub>                 | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub>                 | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

Dreiecks-Helligkeit  $t^*$

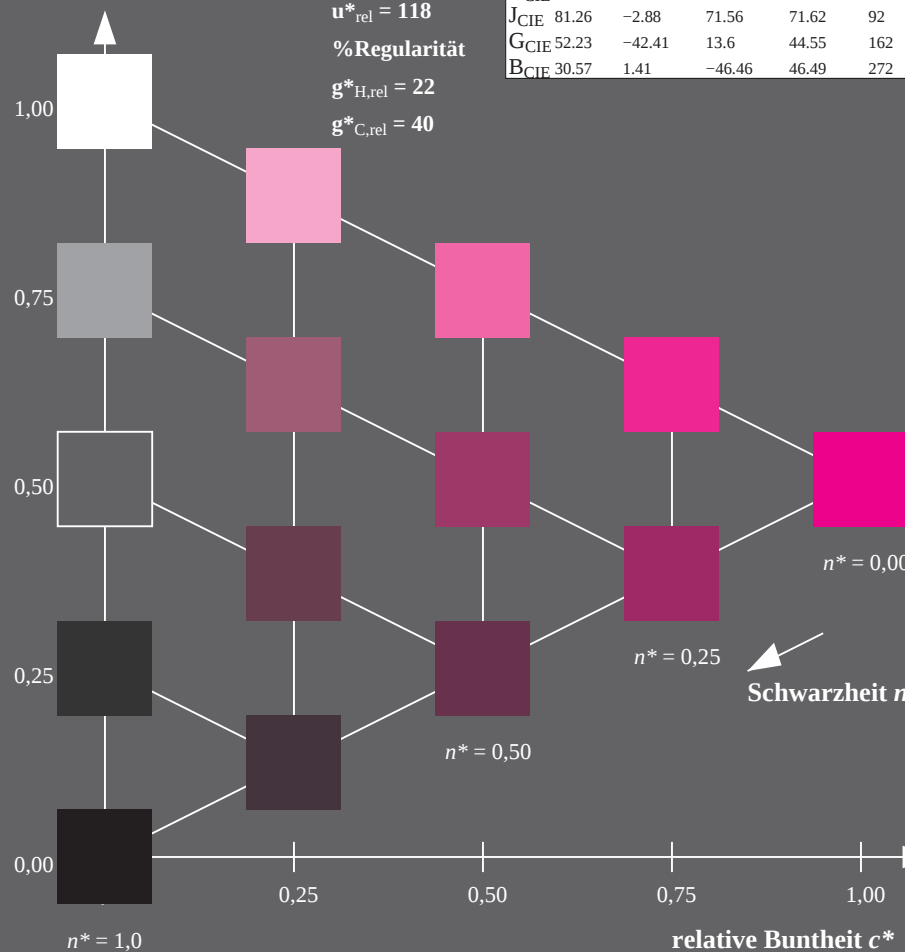
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

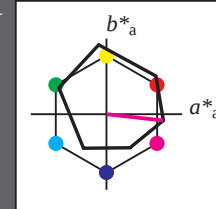


OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

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

für Buntton  $h^* = lab \cdot h = 354/360 = 0.982$   
 $LAB \cdot LCH$ ,  $LAB \cdot NCH$

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          |

CIELAB-Helligkeit  $L^*$

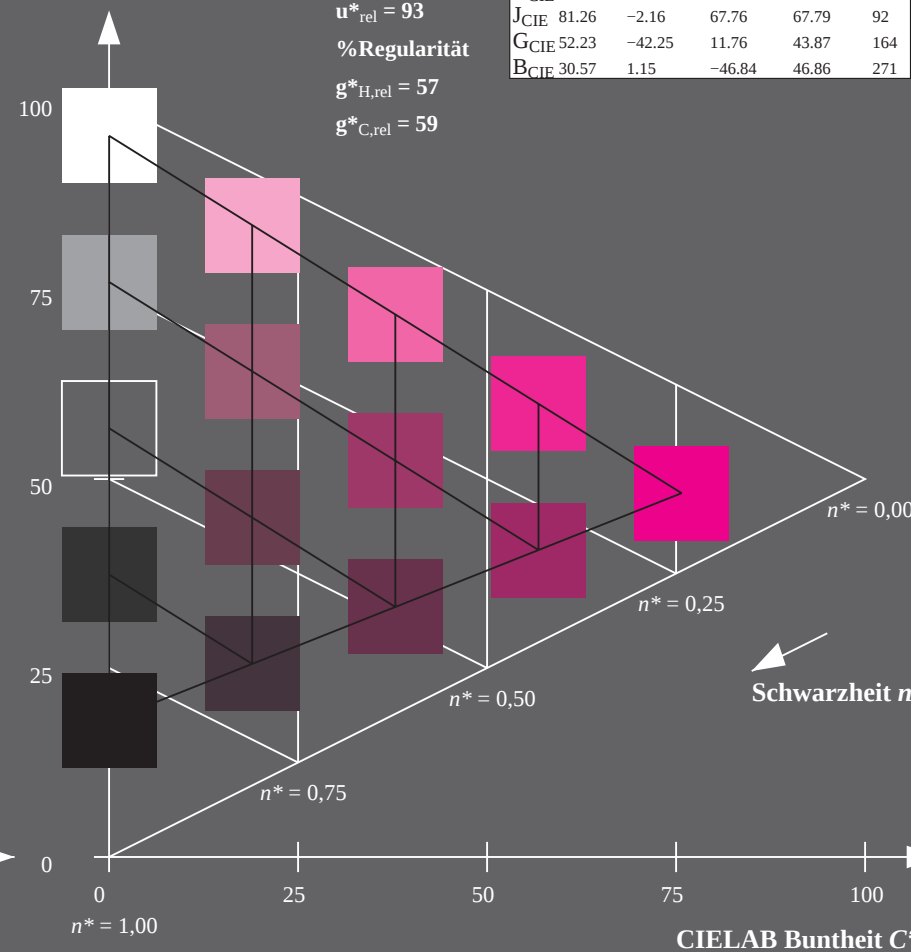
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmYcolor$

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

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

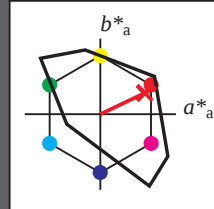
für Buntton  $h^* = lab \cdot h = 25/360 = 0.071$

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

D65: Buntton R

LCH\*Ma: 54 82 25

olv\*Ma: 1.0 0.0 0.14



#### TLS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub> | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub> | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub> | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub> | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub> | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

Dreiecks-Helligkeit  $t^*$

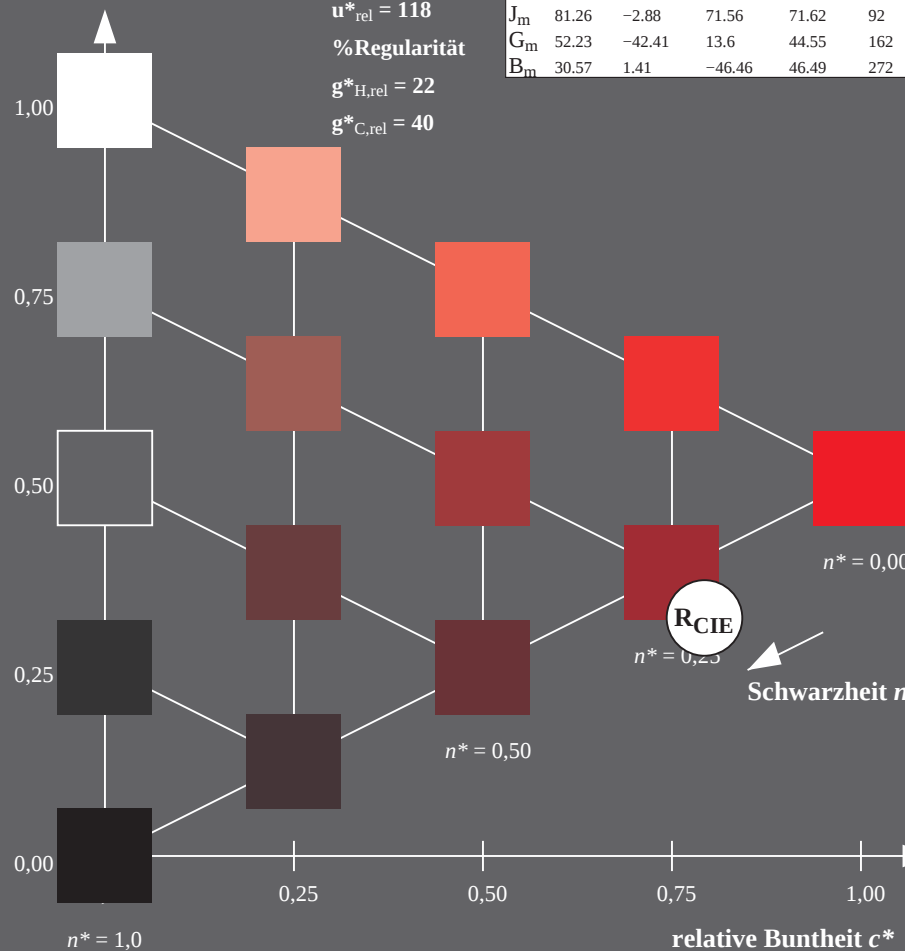
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

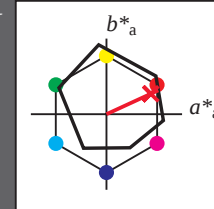
für Buntton  $h^* = lab \cdot h = 25/360 = 0.069$

$LAB \cdot LCH$ ,  $LAB \cdot NCH$

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>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          |

CIELAB-Helligkeit  $L^*$

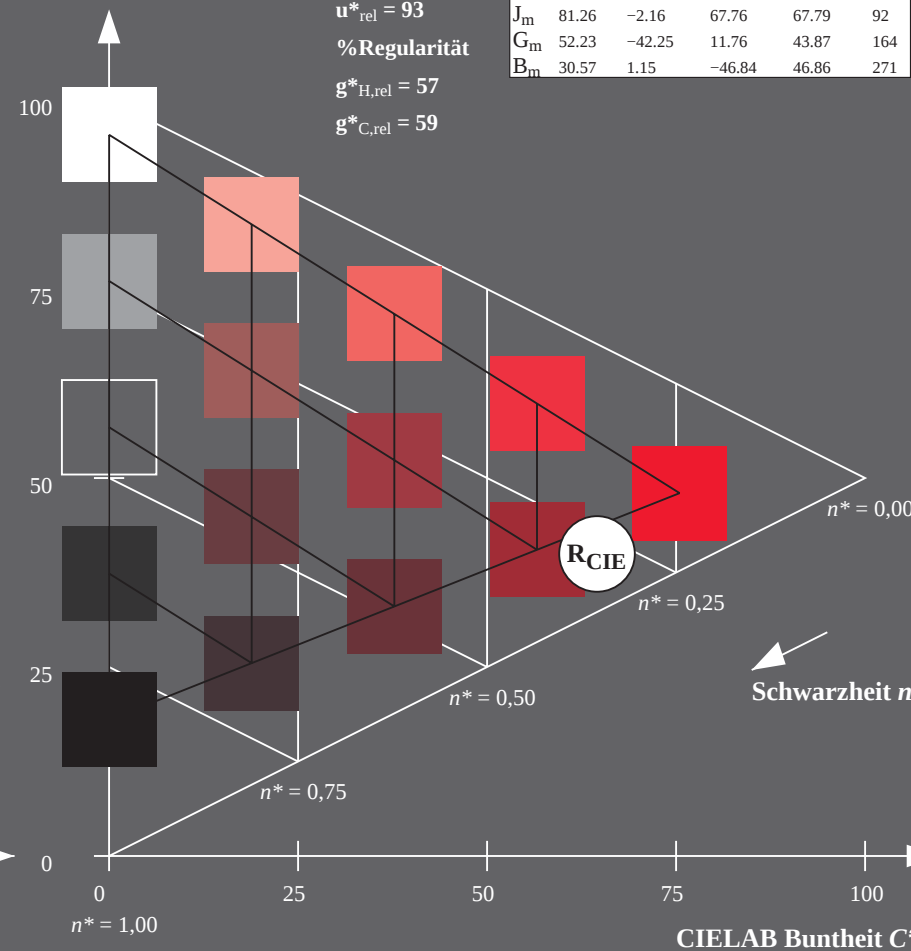
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cm y0^* set cmykcolor$

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cm y0^* / 000n^* set cmykcolor$

Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

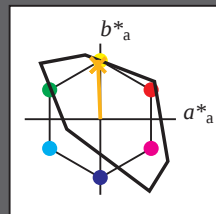
für Buntton  $h^* = lab \cdot h = 92/360 = 0.256$

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

D65: Buntton J

LCH\*Ma: 85 79 92

olv\*Ma: 1.0 0.82 0.0



TLS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub> | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub> | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub> | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub> | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub> | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

Dreiecks-Helligkeit  $t^*$

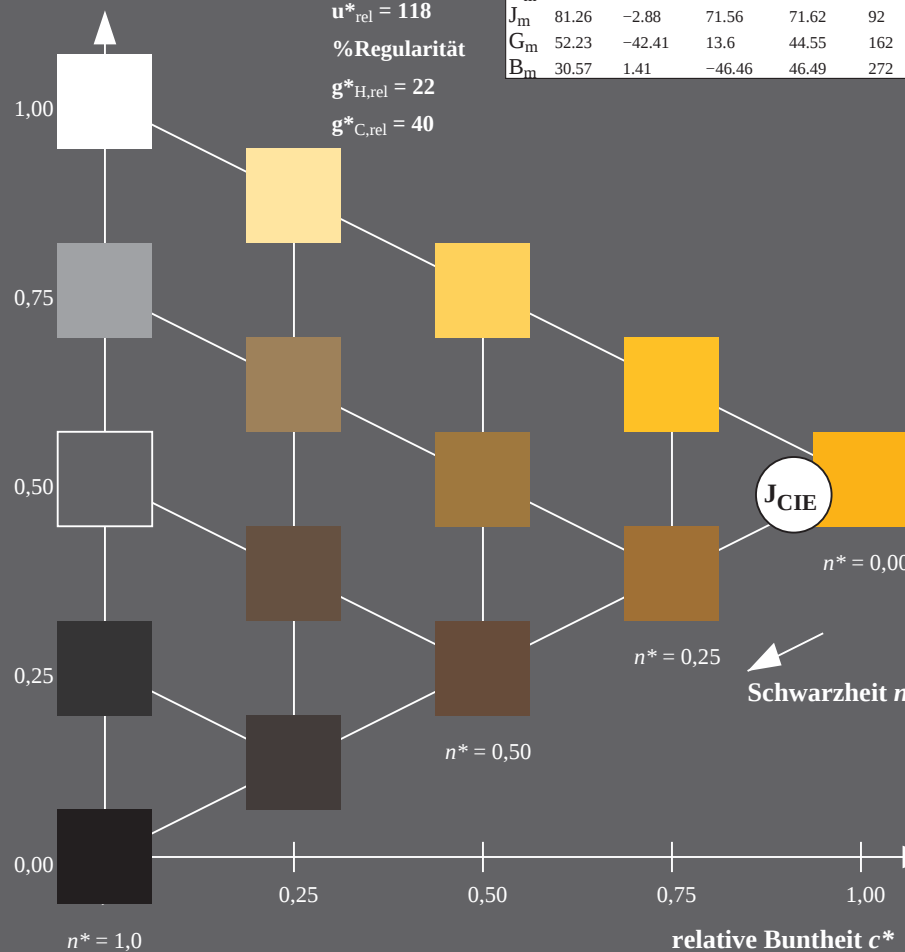
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

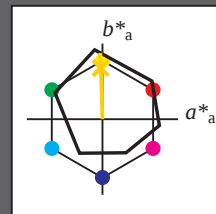
für Buntton  $h^* = lab \cdot h = 92/360 = 0.255$

$LAB \cdot LCH$ ,  $LAB \cdot NCH$

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          |

CIELAB-Helligkeit  $L^*$

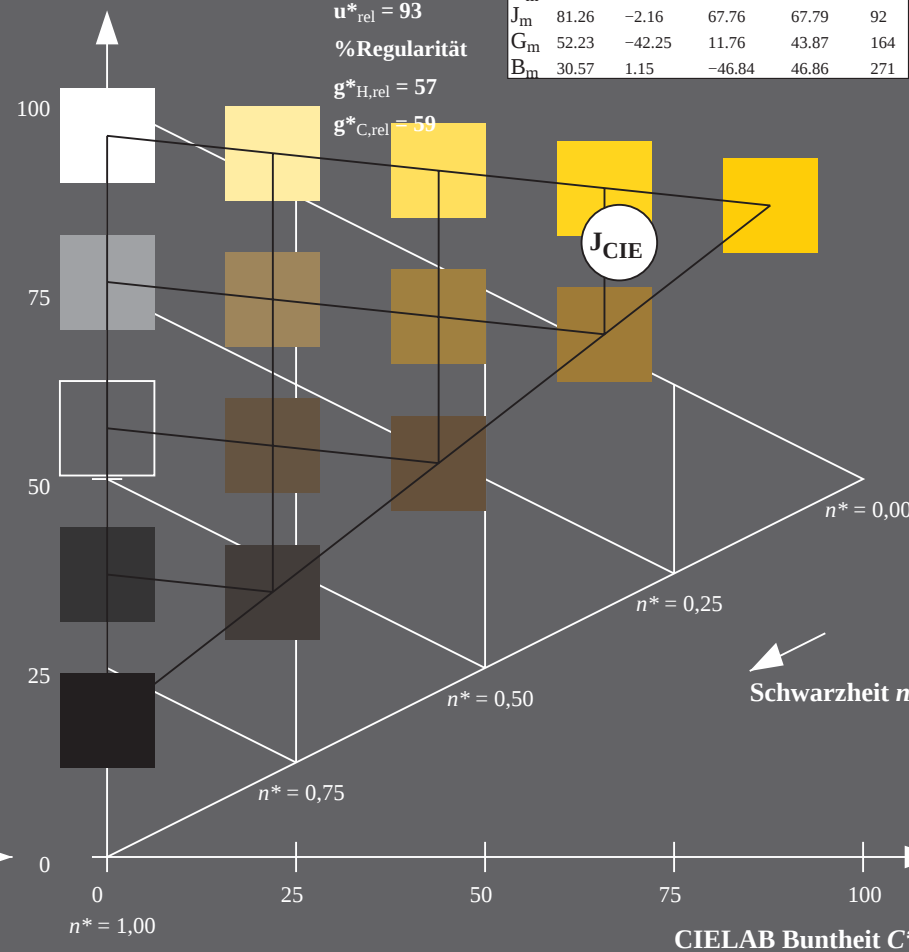
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

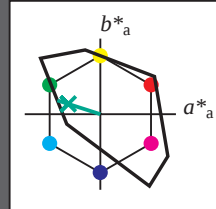
BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmykcolor$

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

Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton G  
LCH\*Ma: 86 60 162  
olv\*Ma: 0.0 1.0 0.64



TLS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub> | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub> | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub> | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub> | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub> | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

Dreiecks-Helligkeit  $t^*$

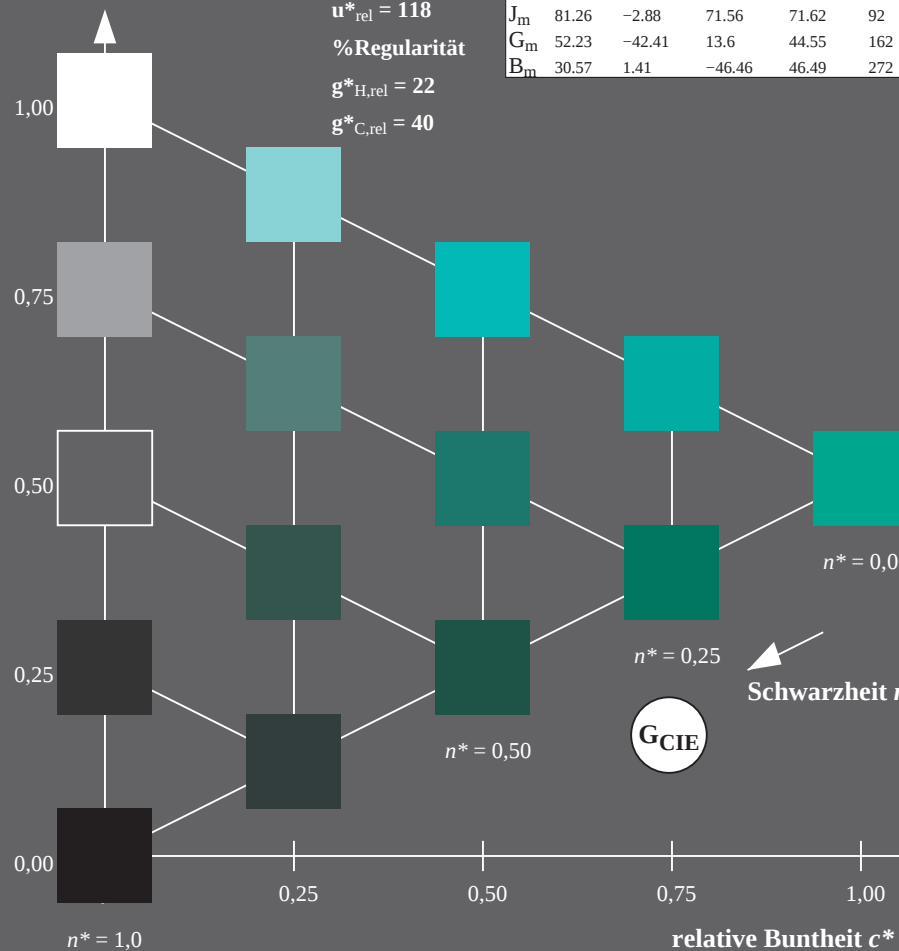
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

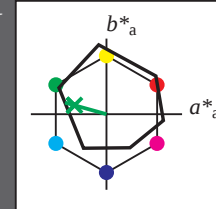


OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab \cdot h = 164/360 = 0.457$   
 $LAB \cdot LCH$ ,  $LAB \cdot NCH$

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          |

CIELAB-Helligkeit  $L^*$

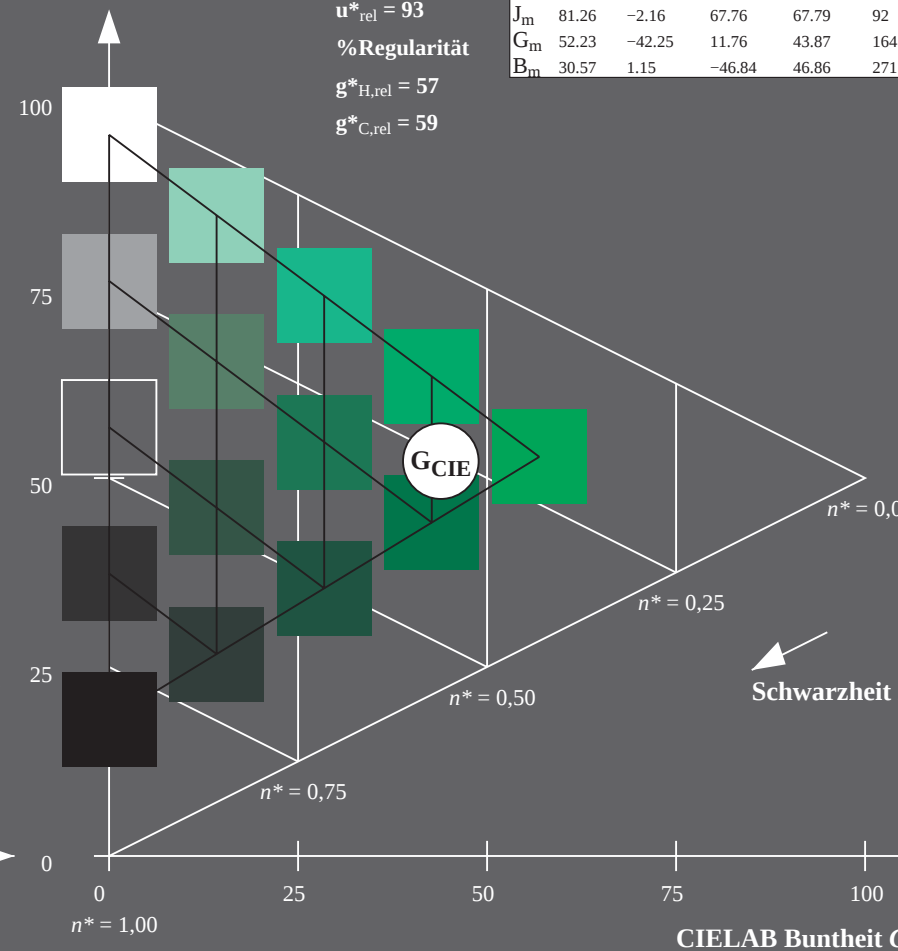
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



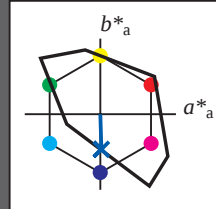
5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmYkcolor$   
D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Buntton input:  $cmY0^* / 000n^* setcmYkcolor$

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton B  
LCH\*Ma: 65 48 272  
olv\*Ma: 0.0 0.58 1.0

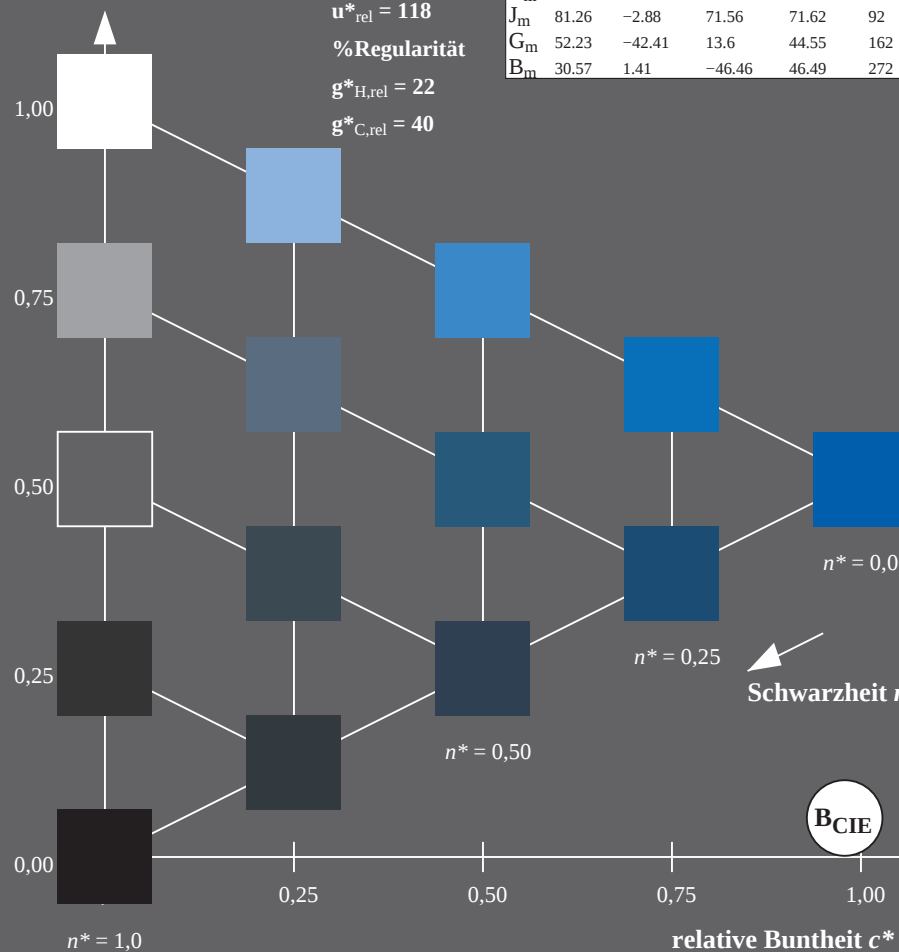


#### TLS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| O <sub>m</sub> | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>m</sub> | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>m</sub> | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>m</sub> | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>m</sub> | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>m</sub> | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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          |

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

%Umfang  
 $u^*_{rel} = 118$   
%Regularität  
 $g^*_{H,rel} = 22$   
 $g^*_{C,rel} = 40$

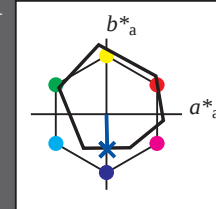


OG260-7, 5 stufige Reihen für konstanten CIELAB Buntton  $272/360 = 0.755$  (links)

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

für Buntton  $h^* = lab^*h = 271/360 = 0.754$   
 $LAB^*LCH$ ,  $LAB^*NCH$

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

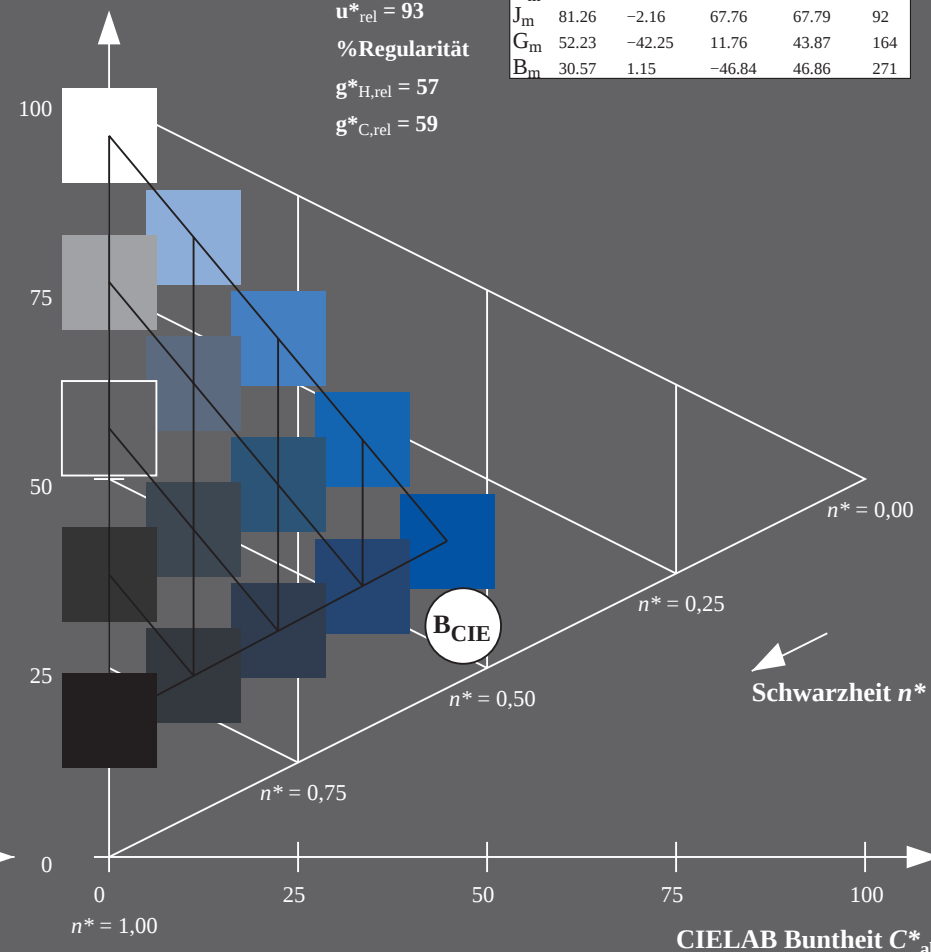


#### ORS18; adaptierte CIELAB-Daten

|                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| 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          |

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

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



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

BAM-Prüfvorlage OG26; Farbmétrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmYkcolor$

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