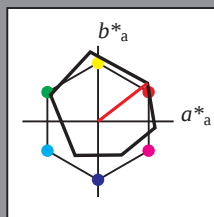


### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

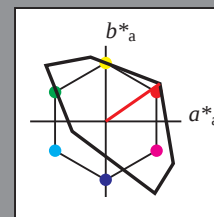
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O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

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab \cdot h = 35/360 = 0.097$   
 $lab \cdot ich$  und  $lab \cdot nch$

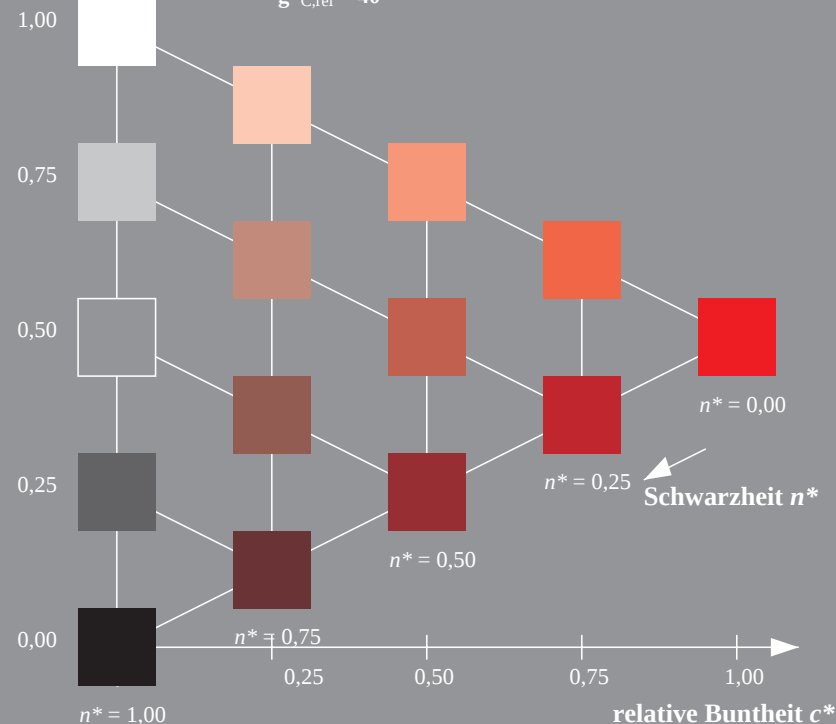
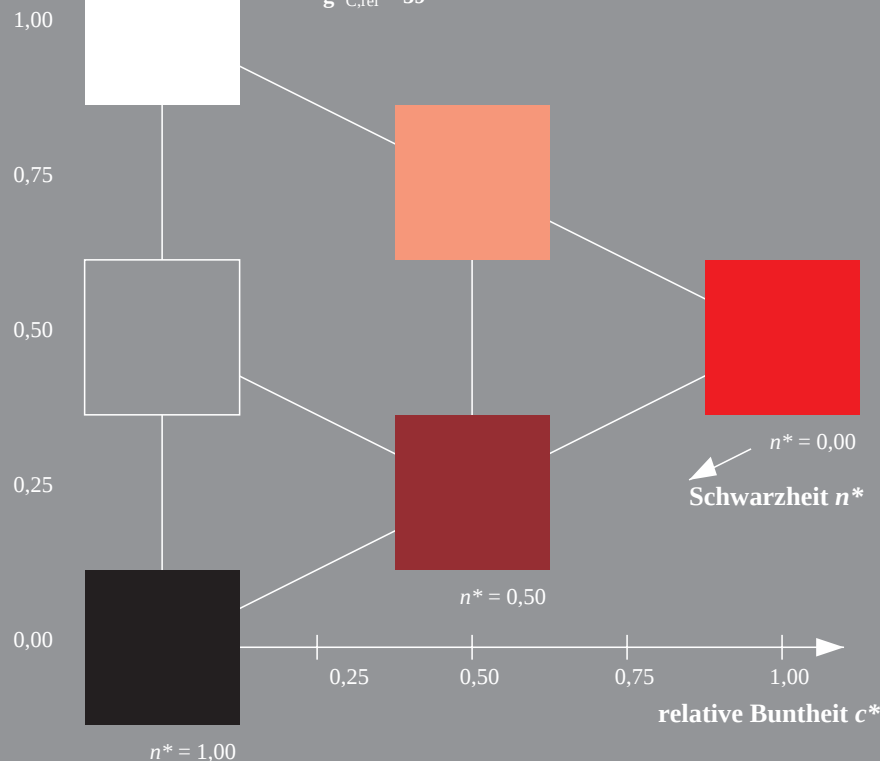
D65: Buntton O  
LCH\*Ma: 53 87 35  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



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

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



OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

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

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

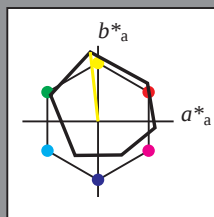
für Buntton  $h^* = lab \cdot h = 96/360 = 0.268$   
 $lab \cdot ich$  und  $lab \cdot nch$

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

#### ORS18; adaptierte CIELAB-Daten

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| NMa  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| JCIE | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

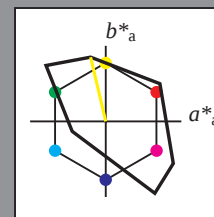
für Buntton  $h^* = lab \cdot h = 103/360 = 0.287$   
 $lab \cdot ich$  und  $lab \cdot nch$

D65: Buntton Y

LCH\*Ma: 93 87 103

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

#### TLS18; adaptierte CIELAB-Daten

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| YMa  | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| LMa  | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| CMa  | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| VMa  | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| MMa  | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| NMa  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

relative Buntheit  $c^*$

$n^* = 0,50$

Schwarzheit  $n^*$

$n^* = 0,00$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

relative Buntheit  $c^*$

Schwarzheit  $n^*$

OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

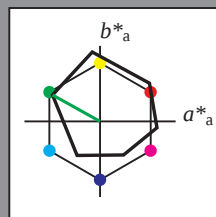
output:  $cmY0^* / 000n^* setcmykcolor$

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

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

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

Dreiecks-Helligkeit  $t^*$



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

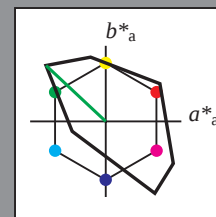
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 47.94   | 65.39   | 50.52        | 82.63        | 38  |
| YMa                            | 90.37   | -10.26  | 91.75        | 92.32        | 96  |
| LMa                            | 50.9    | -62.83  | 34.96        | 71.91        | 151 |
| CMa                            | 58.62   | -30.34  | -45.01       | 54.3         | 236 |
| VMa                            | 25.72   | 31.1    | -44.4        | 54.22        | 305 |
| MMa                            | 48.13   | 75.28   | -8.36        | 75.74        | 354 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.66   | 26.98        | 64.57        | 25  |
| JCIE                           | 81.26   | -2.16   | 67.76        | 67.79        | 92  |
| GCIE                           | 52.23   | -42.25  | 11.76        | 43.87        | 164 |
| BCIE                           | 30.57   | 1.15    | -46.84       | 46.86        | 271 |

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

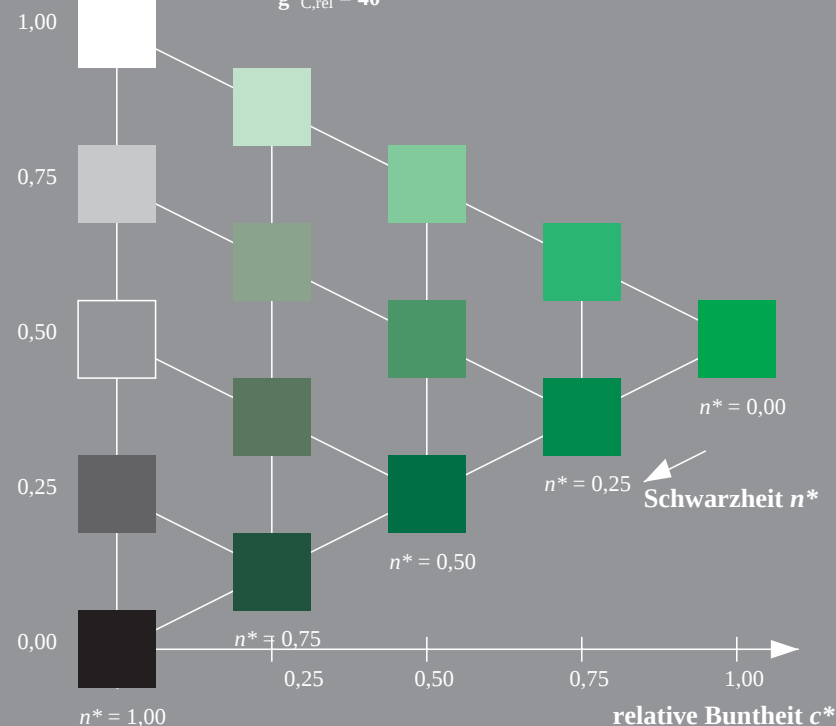
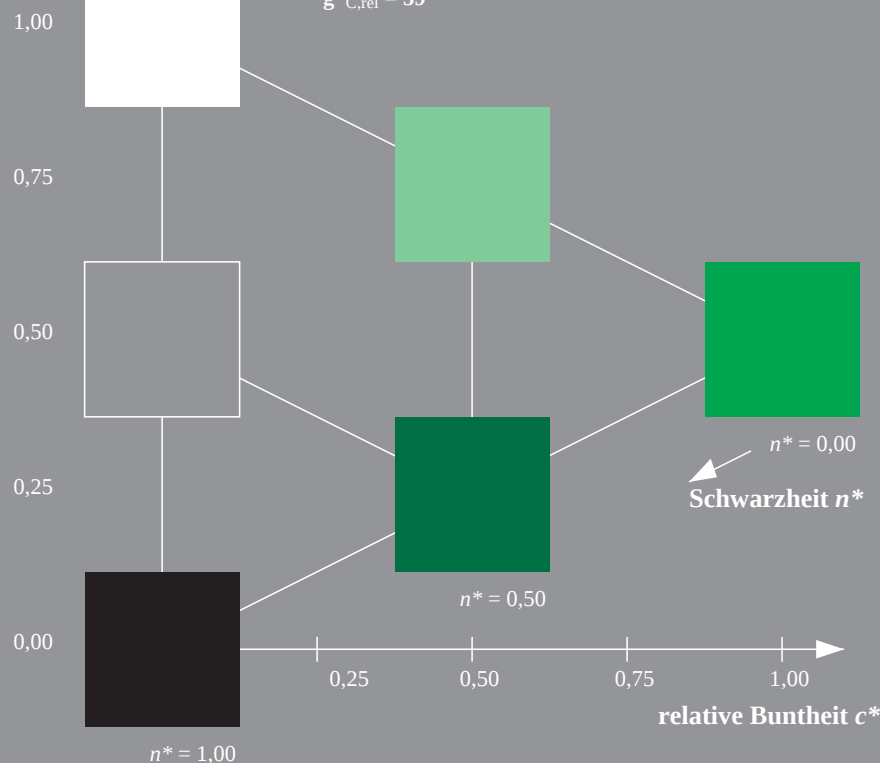
D65: Buntton L  
LCH\*Ma: 84 108 137  
olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



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

| TLS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 52.76   | 71.63   | 49.88        | 87.29        | 35  |
| YMa                            | 92.74   | -20.02  | 84.97        | 87.3         | 103 |
| LMa                            | 84.0    | -78.98  | 73.94        | 108.2        | 137 |
| CMa                            | 87.14   | -44.41  | -13.11       | 46.32        | 196 |
| VMa                            | 35.47   | 64.92   | -95.06       | 115.12       | 304 |
| MMa                            | 59.01   | 89.33   | -55.67       | 105.26       | 328 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.74   | 27.99        | 65.07        | 25  |
| JCIE                           | 81.26   | -2.88   | 71.56        | 71.62        | 92  |
| GCIE                           | 52.23   | -42.41  | 13.6         | 44.55        | 162 |
| BCIE                           | 30.57   | 1.41    | -46.46       | 46.49        | 272 |



OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

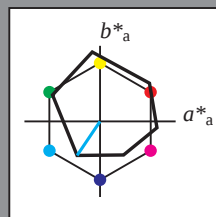
output:  $cmY0^* / 000n^* setcmykcolor$

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

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

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

Dreiecks-Helligkeit  $t^*$



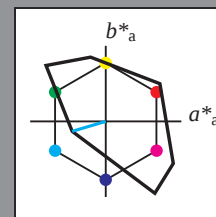
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| O <sub>Ma</sub> 47.94          | 65.39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

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

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

Dreiecks-Helligkeit  $t^*$



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

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

$n^* = 0,00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

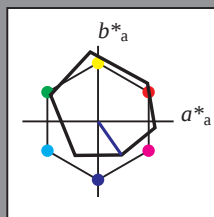
output:  $cmY0^* / 000n^* setcmykcolor$

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

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

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

Dreiecks-Helligkeit  $t^*$



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

#### ORS18; adaptierte CIELAB-Daten

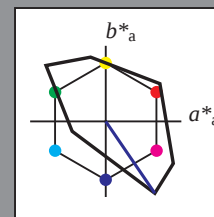
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75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

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

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

Dreiecks-Helligkeit  $t^*$



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

#### TLS18; adaptierte CIELAB-Daten

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

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

relative Buntheit  $c^*$

Schwarzheit  $n^*$

$n^* = 0,00$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

relative Buntheit  $c^*$

Schwarzheit  $n^*$

OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

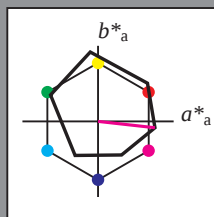
output:  $cmY0^* / 000n^* setcmykcolor$

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

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

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

Dreiecks-Helligkeit  $t^*$



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

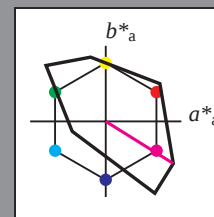
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| OMa                            | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa                            | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa                            | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa                            | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa                            | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa                            | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| NMa                            | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                            | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                           | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| JCIE                           | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE                           | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE                           | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

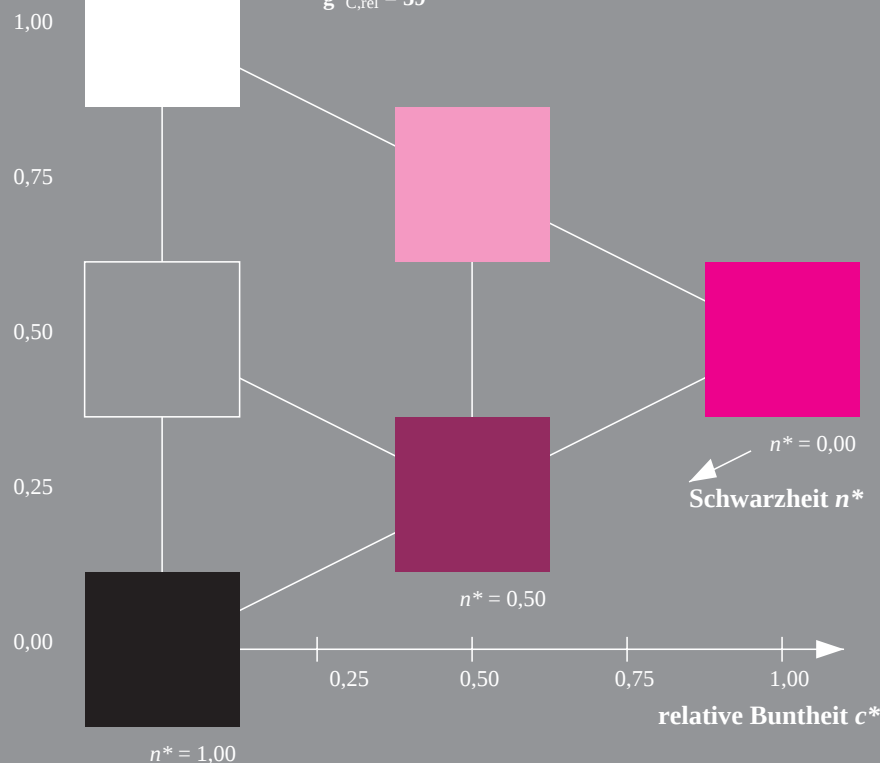
D65: Buntton M  
LCH\*Ma: 59 105 328  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



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

| TLS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| OMa                            | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| YMa                            | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| LMa                            | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| CMa                            | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| VMa                            | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| MMa                            | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| NMa                            | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                            | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                           | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE                           | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE                           | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE                           | 30.57       | 1.41    | -46.46  | 46.49        | 272          |



OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

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

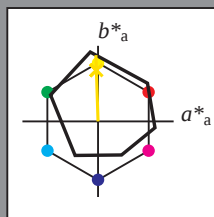
Seitenzahl 7

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

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

D65: Buntton J  
LCH\*Ma: 86 88 92  
olv\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit  $t^*$



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

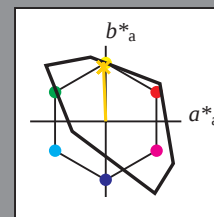
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 47.94   | 65.39   | 50.52        | 82.63        | 38  |
| YMa                            | 90.37   | -10.26  | 91.75        | 92.32        | 96  |
| LMa                            | 50.9    | -62.83  | 34.96        | 71.91        | 151 |
| CMa                            | 58.62   | -30.34  | -45.01       | 54.3         | 236 |
| VMa                            | 25.72   | 31.1    | -44.4        | 54.22        | 305 |
| MMa                            | 48.13   | 75.28   | -8.36        | 75.74        | 354 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.66   | 26.98        | 64.57        | 25  |
| JCIE                           | 81.26   | -2.16   | 67.76        | 67.79        | 92  |
| GCIE                           | 52.23   | -42.25  | 11.76        | 43.87        | 164 |
| BCIE                           | 30.57   | 1.15    | -46.84       | 46.86        | 271 |

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

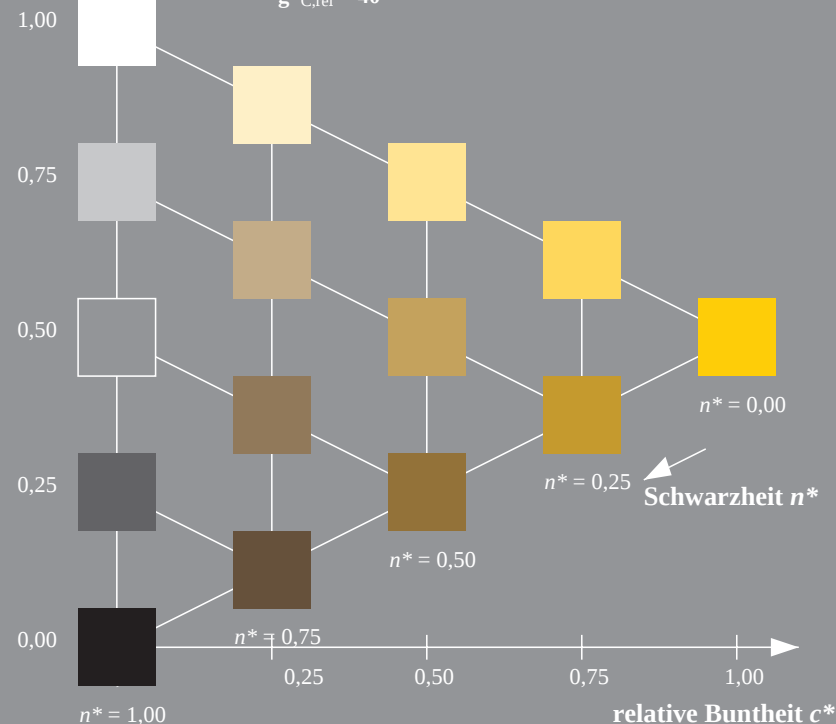
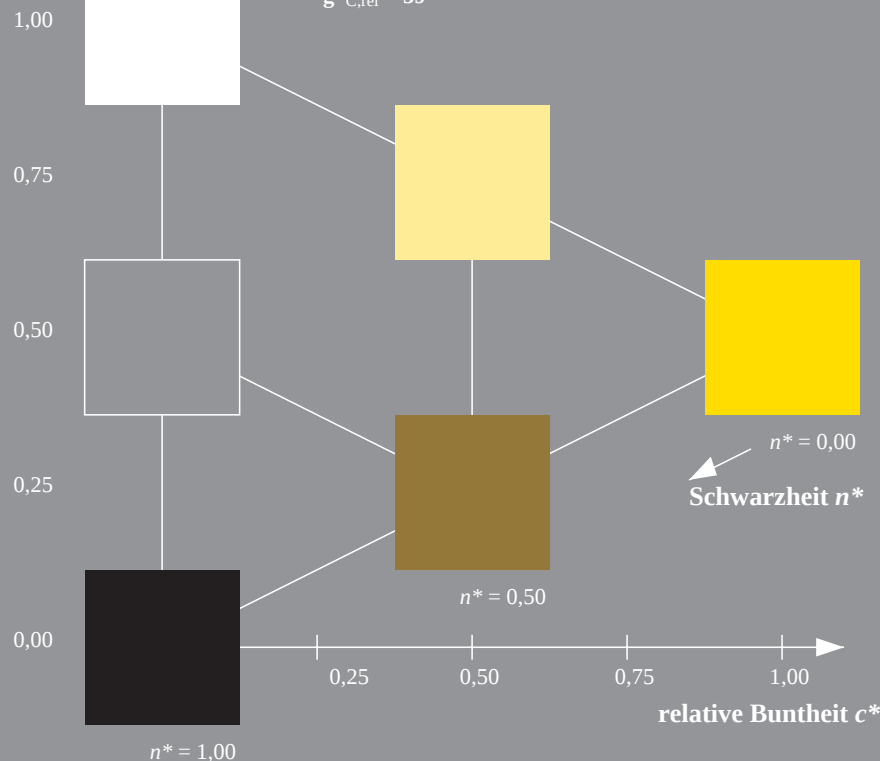
D65: Buntton J  
LCH\*Ma: 85 79 92  
olv\*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit  $t^*$



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

| TLS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^* = L^*_a$                  | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 52.76   | 71.63   | 49.88        | 87.29        | 35  |
| YMa                            | 92.74   | -20.02  | 84.97        | 87.3         | 103 |
| LMa                            | 84.0    | -78.98  | 73.94        | 108.2        | 137 |
| CMa                            | 87.14   | -44.41  | -13.11       | 46.32        | 196 |
| VMa                            | 35.47   | 64.92   | -95.06       | 115.12       | 304 |
| MMa                            | 59.01   | 89.33   | -55.67       | 105.26       | 328 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.74   | 27.99        | 65.07        | 25  |
| JCIE                           | 81.26   | -2.88   | 71.56        | 71.62        | 92  |
| GCIE                           | 52.23   | -42.41  | 13.6         | 44.55        | 162 |
| BCIE                           | 30.57   | 1.41    | -46.46       | 46.49        | 272 |



OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

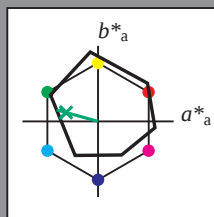
output:  $cmY0^* / 000n^* setcmykcolor$

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

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

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

Dreiecks-Helligkeit  $t^*$



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

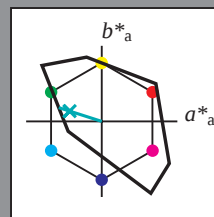
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 47.94   | 65.39   | 50.52        | 82.63        | 38  |
| YMa                            | 90.37   | -10.26  | 91.75        | 92.32        | 96  |
| LMa                            | 50.9    | -62.83  | 34.96        | 71.91        | 151 |
| CMa                            | 58.62   | -30.34  | -45.01       | 54.3         | 236 |
| VMa                            | 25.72   | 31.1    | -44.4        | 54.22        | 305 |
| MMa                            | 48.13   | 75.28   | -8.36        | 75.74        | 354 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.66   | 26.98        | 64.57        | 25  |
| JCIE                           | 81.26   | -2.16   | 67.76        | 67.79        | 92  |
| GCIE                           | 52.23   | -42.25  | 11.76        | 43.87        | 164 |
| BCIE                           | 30.57   | 1.15    | -46.84       | 46.86        | 271 |

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

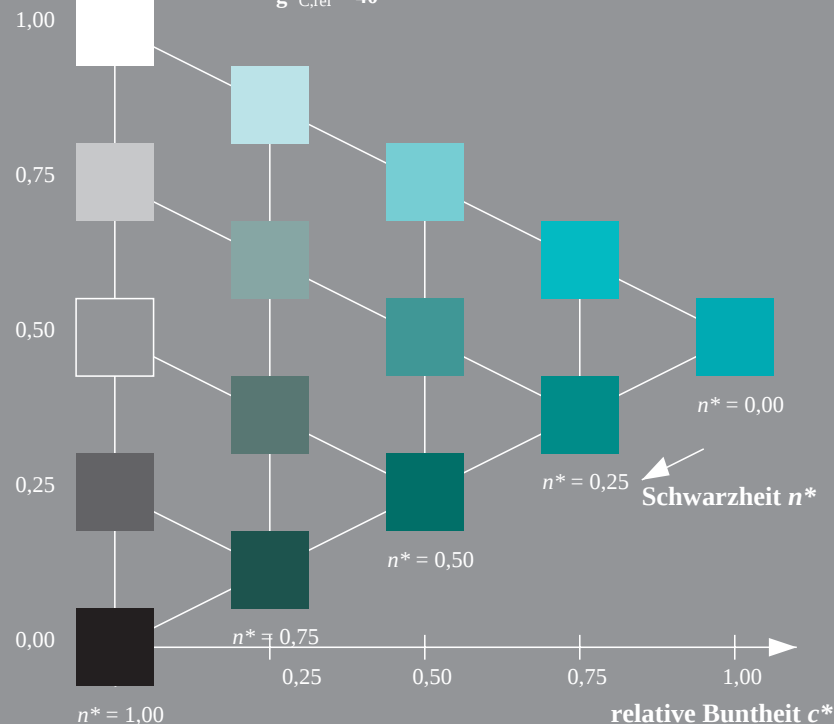
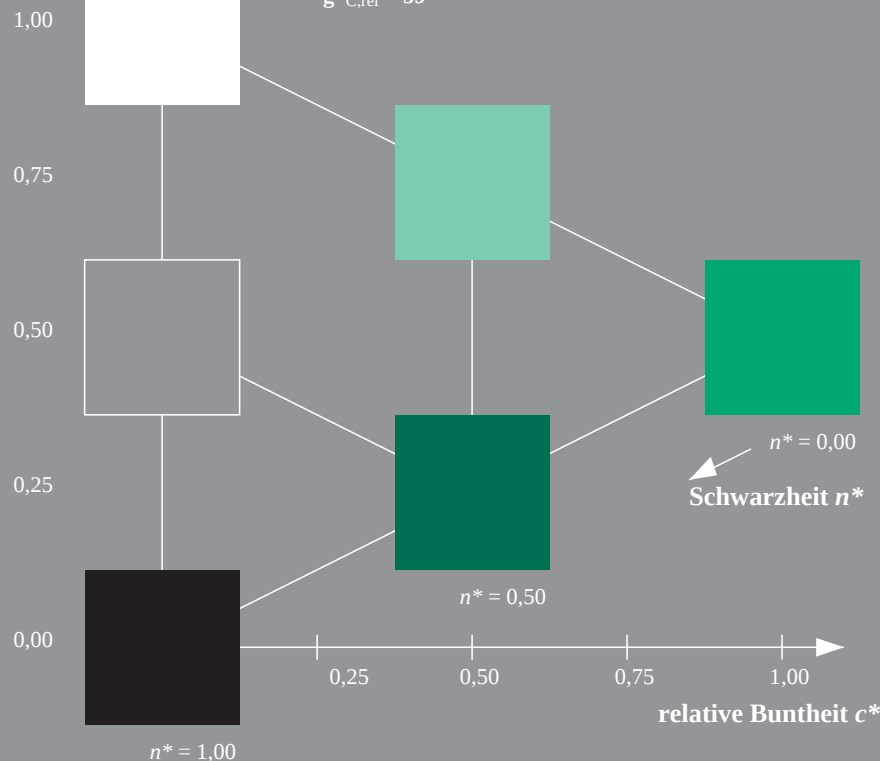
D65: Buntton G  
LCH\*Ma: 86 60 162  
olv\*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit  $t^*$



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

| TLS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 52.76   | 71.63   | 49.88        | 87.29        | 35  |
| YMa                            | 92.74   | -20.02  | 84.97        | 87.3         | 103 |
| LMa                            | 84.0    | -78.98  | 73.94        | 108.2        | 137 |
| CMa                            | 87.14   | -44.41  | -13.11       | 46.32        | 196 |
| VMa                            | 35.47   | 64.92   | -95.06       | 115.12       | 304 |
| MMa                            | 59.01   | 89.33   | -55.67       | 105.26       | 328 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.74   | 27.99        | 65.07        | 25  |
| JCIE                           | 81.26   | -2.88   | 71.56        | 71.62        | 92  |
| GCIE                           | 52.23   | -42.41  | 13.6         | 44.55        | 162 |
| BCIE                           | 30.57   | 1.41    | -46.46       | 46.49        | 272 |



OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

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

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

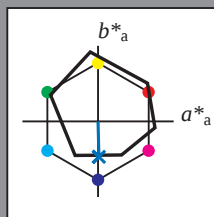
output:  $cmY0^* / 000n^* setcmykcolor$

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

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

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

Dreiecks-Helligkeit  $t^*$



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

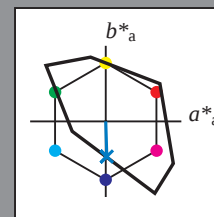
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 47.94   | 65.39   | 50.52        | 82.63        | 38  |
| YMa                            | 90.37   | -10.26  | 91.75        | 92.32        | 96  |
| LMa                            | 50.9    | -62.83  | 34.96        | 71.91        | 151 |
| CMa                            | 58.62   | -30.34  | -45.01       | 54.3         | 236 |
| VMa                            | 25.72   | 31.1    | -44.4        | 54.22        | 305 |
| MMa                            | 48.13   | 75.28   | -8.36        | 75.74        | 354 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.66   | 26.98        | 64.57        | 25  |
| JCIE                           | 81.26   | -2.16   | 67.76        | 67.79        | 92  |
| GCIE                           | 52.23   | -42.25  | 11.76        | 43.87        | 164 |
| BCIE                           | 30.57   | 1.15    | -46.84       | 46.86        | 271 |

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

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

Dreiecks-Helligkeit  $t^*$



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

| TLS18; adaptierte CIELAB-Daten |         |         |              |              |     |
|--------------------------------|---------|---------|--------------|--------------|-----|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |
| OMa                            | 52.76   | 71.63   | 49.88        | 87.29        | 35  |
| YMa                            | 92.74   | -20.02  | 84.97        | 87.3         | 103 |
| LMa                            | 84.0    | -78.98  | 73.94        | 108.2        | 137 |
| CMa                            | 87.14   | -44.41  | -13.11       | 46.32        | 196 |
| VMa                            | 35.47   | 64.92   | -95.06       | 115.12       | 304 |
| MMa                            | 59.01   | 89.33   | -55.67       | 105.26       | 328 |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| RCIE                           | 39.92   | 58.74   | 27.99        | 65.07        | 25  |
| JCIE                           | 81.26   | -2.88   | 71.56        | 71.62        | 92  |
| GCIE                           | 52.23   | -42.41  | 13.6         | 44.55        | 162 |
| BCIE                           | 30.57   | 1.41    | -46.46       | 46.49        | 272 |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

$n^* = 0,00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

OG610-7, 3stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

BAM-Prüfvorlage OG61; Farbmetrik-Systeme ORS18 & TLS18 input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

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