

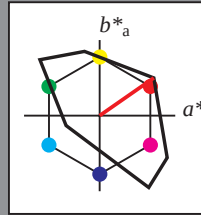
### Eingabe: Farbmatisches Fernseh-Licht-System TLS18

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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit  $c^*$

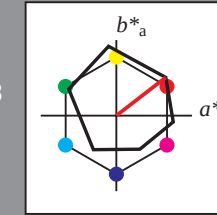
### Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit  $c^*$

OG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

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

BAM-Prüfvorlage OG46; Farbmatrik-Systeme TLS18 & ORS18 input: `cmY0* setcmykcolor`

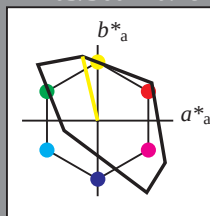
D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmY0* / 000n* setcmykcolor`

## Eingabe: Farbmatisches 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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit  $c^*$

OG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

BAM-Prüfvorlage OG46; Farbmatrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmykcolor$

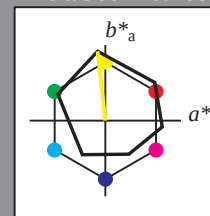
D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmY0^* / 000n^* setcmykcolor$

## Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit  $c^*$

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

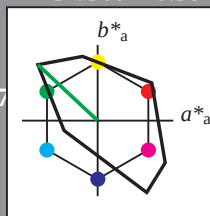
### Eingabe: Farbmatisches Fernseh-Licht-System TLS18

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

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

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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

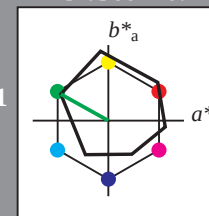
### Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

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

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

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

Dreiecks-Helligkeit

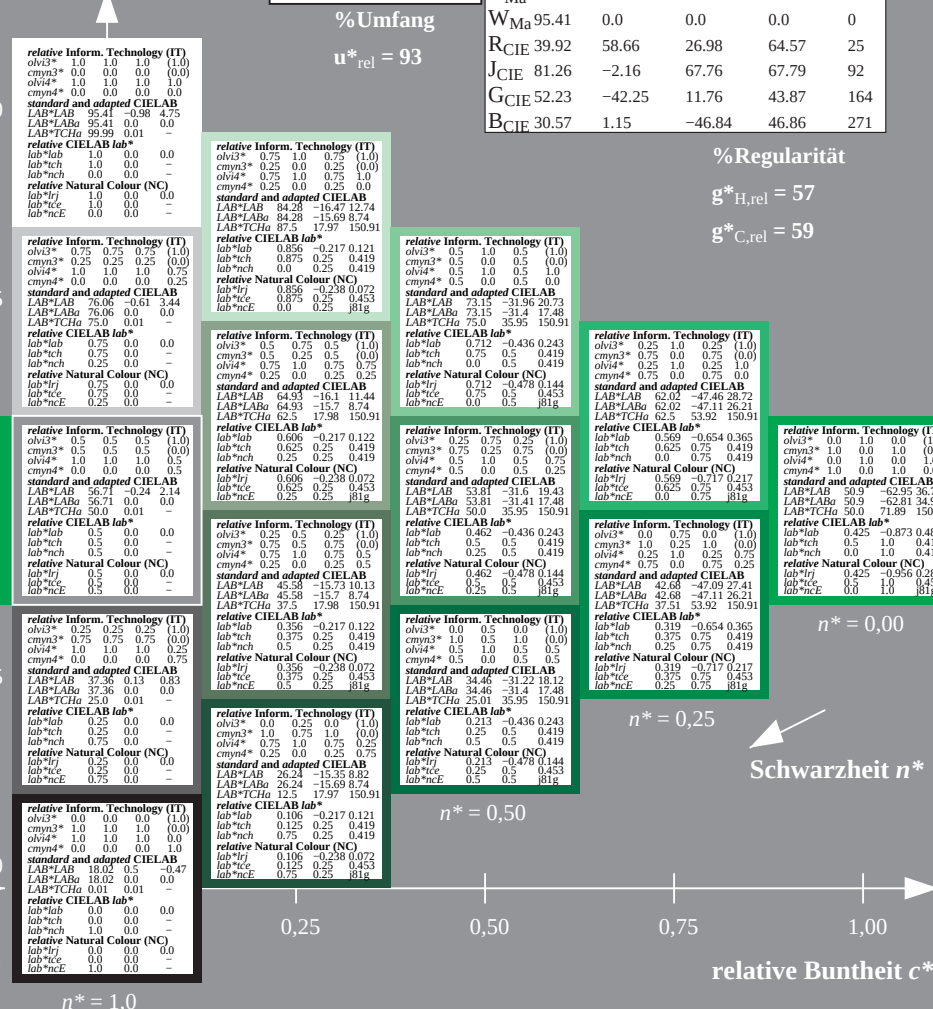
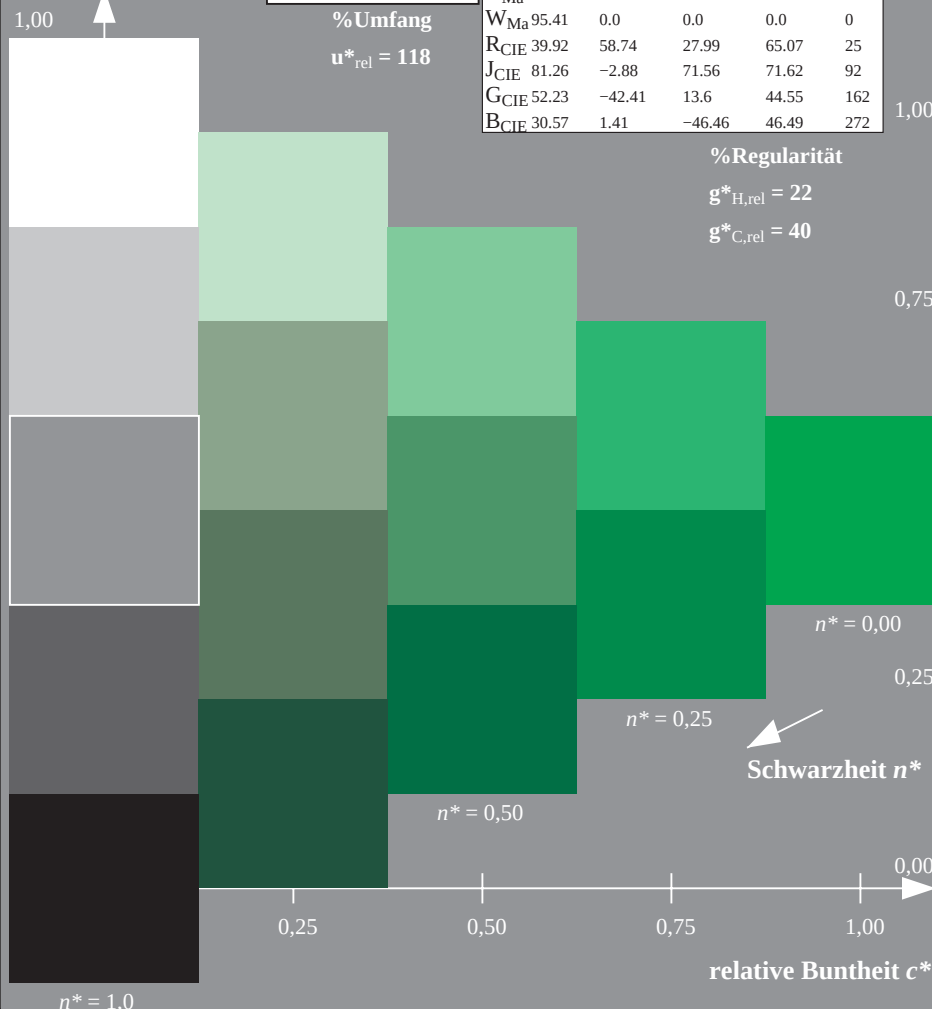


| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O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

%Regularität

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

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



OG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

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

BAM-Prüfvorlage OG46; Farbmatrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmykcolor$

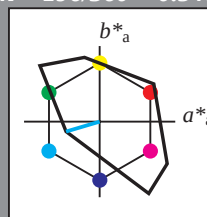
D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmY0^* / 000n^* setcmykcolor$

## Eingabe: Farbmimetrisches 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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

OG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

BAM-Prüfvorlage OG46; Farbmimetrik-Systeme TLS18 & ORS18 input: `cmv0* setcmvcolor`

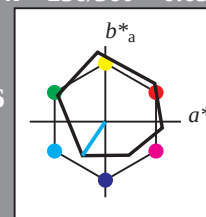
D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmv0* / 000n* setcmvcolor`

## Ausgabe: 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

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

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



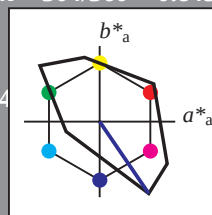
Eingabe: Farbmatisches Fernseh-Licht-System TLS18

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

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

Dreiecks-Helligkeit

1,00



% Umfang

$u^*_{rel} = 118$

| 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          |

%Regularität

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

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

1,00

| relative Inform. Technology (IT) |       |       |      |       |  |
|----------------------------------|-------|-------|------|-------|--|
| olvi3*                           | 1.0   | 1.0   | 1.0  | (1.0) |  |
| cmyn3*                           | 0.0   | 0.0   | 0.0  | (0.0) |  |
| olvi4*                           | 1.0   | 1.0   | 1.0  | (1.0) |  |
| cmyn4*                           | 0.0   | 0.0   | 0.0  | (0.0) |  |
| standard and adapted CIELAB      |       |       |      |       |  |
| LAB*LAB                          | 95.41 | -0.98 | 4.75 |       |  |
| LAB*LABa                         | 95.41 | 0.0   | 0.0  |       |  |
| LAB*LABb                         | 98.99 | 0.01  | 0.0  |       |  |
| relative CIELAB lab*             |       |       |      |       |  |
| lab*lab                          | 1.0   | 0.0   | 0.0  |       |  |
| lab*tch                          | 1.0   | 0.0   | 0.0  |       |  |
| lab*nch                          | 0.0   | 0.0   | 0.0  |       |  |
| lab*trj                          | 1.0   | 0.0   | 0.0  |       |  |
| lab*tce                          | 1.0   | 0.0   | 0.0  |       |  |
| lab*nce                          | 0.0   | 0.0   | 0.0  |       |  |
| relative Natural Colour (NC)     |       |       |      |       |  |
| lab*trj                          | 1.0   | 0.0   | 0.0  |       |  |
| lab*tce                          | 1.0   | 0.0   | 0.0  |       |  |
| lab*nce                          | 0.0   | 0.0   | 0.0  |       |  |

| relative Inform. Technology (IT) |       |       |      |       |  |
|----------------------------------|-------|-------|------|-------|--|
| olvi3*                           | 0.75  | 0.75  | 0.75 | (1.0) |  |
| cmyn3*                           | 0.25  | 0.25  | 0.25 | (0.0) |  |
| olvi4*                           | 1.0   | 1.0   | 1.0  | (1.0) |  |
| cmyn4*                           | 0.0   | 0.0   | 0.0  | (0.0) |  |
| standard and adapted CIELAB      |       |       |      |       |  |
| LAB*LAB                          | 76.06 | -0.61 | 3.44 |       |  |
| LAB*LABa                         | 76.06 | 0.0   | 0.0  |       |  |
| LAB*LABb                         | 75.0  | 0.01  | 0.0  |       |  |
| relative CIELAB lab*             |       |       |      |       |  |
| lab*lab                          | 0.75  | 0.0   | 0.0  |       |  |
| lab*tch                          | 0.75  | 0.0   | 0.0  |       |  |
| lab*nch                          | 0.25  | 0.0   | 0.0  |       |  |
| lab*trj                          | 0.75  | 0.0   | 0.0  |       |  |
| lab*tce                          | 0.75  | 0.0   | 0.0  |       |  |
| lab*nce                          | 0.25  | 0.0   | 0.0  |       |  |
| relative Natural Colour (NC)     |       |       |      |       |  |
| lab*trj                          | 0.75  | 0.0   | 0.0  |       |  |
| lab*tce                          | 0.75  | 0.0   | 0.0  |       |  |
| lab*nce                          | 0.25  | 0.0   | 0.0  |       |  |

| relative Inform. Technology (IT) |       |      |      |       |  |
|----------------------------------|-------|------|------|-------|--|
| olvi3*                           | 0.5   | 0.5  | 0.5  | (1.0) |  |
| cmyn3*                           | 0.5   | 0.5  | 0.5  | (0.0) |  |
| olvi4*                           | 1.0   | 1.0  | 1.0  | (1.0) |  |
| cmyn4*                           | 0.0   | 0.0  | 0.0  | (0.0) |  |
| standard and adapted CIELAB      |       |      |      |       |  |
| LAB*LAB                          | 56.71 | 0.24 | 2.14 |       |  |
| LAB*LABa                         | 56.71 | 0.0  | 0.0  |       |  |
| LAB*LABb                         | 50.0  | 0.01 | 0.0  |       |  |
| relative CIELAB lab*             |       |      |      |       |  |
| lab*lab                          | 0.5   | 0.0  | 0.0  |       |  |
| lab*tch                          | 0.5   | 0.0  | 0.0  |       |  |
| lab*nch                          | 0.5   | 0.0  | 0.0  |       |  |
| lab*trj                          | 0.5   | 0.0  | 0.0  |       |  |
| lab*tce                          | 0.5   | 0.0  | 0.0  |       |  |
| lab*nce                          | 0.5   | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |       |      |      |       |  |
| lab*trj                          | 0.5   | 0.0  | 0.0  |       |  |
| lab*tce                          | 0.5   | 0.0  | 0.0  |       |  |
| lab*nce                          | 0.5   | 0.0  | 0.0  |       |  |

| relative Inform. Technology (IT) |       |      |      |       |  |
|----------------------------------|-------|------|------|-------|--|
| olvi3*                           | 0.25  | 0.25 | 0.25 | (1.0) |  |
| cmyn3*                           | 0.75  | 0.75 | 0.75 | (0.0) |  |
| olvi4*                           | 1.0   | 1.0  | 1.0  | (1.0) |  |
| cmyn4*                           | 0.0   | 0.0  | 0.0  | (0.0) |  |
| standard and adapted CIELAB      |       |      |      |       |  |
| LAB*LAB                          | 37.36 | 0.13 | 0.83 |       |  |
| LAB*LABa                         | 37.36 | 0.0  | 0.0  |       |  |
| LAB*LABb                         | 25.0  | 0.01 | 0.0  |       |  |
| relative CIELAB lab*             |       |      |      |       |  |
| lab*lab                          | 0.25  | 0.0  | 0.0  |       |  |
| lab*tch                          | 0.25  | 0.0  | 0.0  |       |  |
| lab*nch                          | 0.75  | 0.0  | 0.0  |       |  |
| lab*trj                          | 0.25  | 0.0  | 0.0  |       |  |
| lab*tce                          | 0.25  | 0.0  | 0.0  |       |  |
| lab*nce                          | 0.75  | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |       |      |      |       |  |
| lab*trj                          | 0.25  | 0.0  | 0.0  |       |  |
| lab*tce                          | 0.25  | 0.0  | 0.0  |       |  |
| lab*nce                          | 0.75  | 0.0  | 0.0  |       |  |

| relative Inform. Technology (IT) |       |      |      |       |  |
|----------------------------------|-------|------|------|-------|--|
| olvi3*                           | 0.0   | 0.0  | 0.0  | (1.0) |  |
| cmyn3*                           | 1.0   | 1.0  | 1.0  | (0.0) |  |
| olvi4*                           | 1.0   | 1.0  | 1.0  | (1.0) |  |
| cmyn4*                           | 0.0   | 0.0  | 0.0  | (0.0) |  |
| standard and adapted CIELAB      |       |      |      |       |  |
| LAB*LAB                          | 18.02 | 0.5  | 0.47 |       |  |
| LAB*LABa                         | 18.02 | 0.0  | 0.0  |       |  |
| LAB*LABb                         | 0.01  | 0.01 | 0.0  |       |  |
| relative CIELAB lab*             |       |      |      |       |  |
| lab*lab                          | 0.0   | 0.0  | 0.0  |       |  |
| lab*tch                          | 0.0   | 0.0  | 0.0  |       |  |
| lab*nch                          | 1.0   | 0.0  | 0.0  |       |  |
| lab*trj                          | 0.0   | 0.0  | 0.0  |       |  |
| lab*tce                          | 0.0   | 0.0  | 0.0  |       |  |
| lab*nce                          | 1.0   | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |       |      |      |       |  |
| lab*trj                          | 0.0   | 0.0  | 0.0  |       |  |
| lab*tce                          | 0.0   | 0.0  | 0.0  |       |  |
| lab*nce                          | 1.0   | 0.0  | 0.0  |       |  |

$n^* = 1,0$

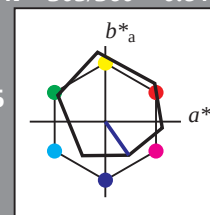
Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

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

Dreiecks-Helligkeit

1,00



% Umfang

$u^*_{rel} = 93$

| 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          |

%Regularität

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

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

| relative Inform. Technology (IT) |       |       |        |       |  |
|----------------------------------|-------|-------|--------|-------|--|
| olvi3*                           | 0.75  | 0.75  | 1.0    | (1.0) |  |
| cmyn3*                           | 0.25  | 0.25  | 0.0    | (0.0) |  |
| olvi4*                           | 0.75  | 0.75  | 1.0    | (1.0) |  |
| cmyn4*                           | 0.25  | 0.25  | 0.0    | (0.0) |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 77.99 | 7.12  | -7.51  |       |  |
| LAB*LABa                         | 77.99 | 7.77  | -11.09 |       |  |
| LAB*LABb                         | 87.5  | 13.55 | 305.0  |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.75  | 0.75  | 1.0    |       |  |
| lab*tch                          | 0.75  | 0.25  | 0.847  |       |  |
| lab*nch                          | 0.0   | 0.25  | 0.847  |       |  |
| lab*trj                          | 0.75  | 0.112 | -0.222 |       |  |
| lab*tce                          | 0.75  | 0.25  | 0.824  |       |  |
| lab*nce                          | 0.0   | 0.25  | 0.824  |       |  |
| relative Natural Colour (NC)     |       |       |        |       |  |
| lab*trj                          | 0.75  | 0.112 | -0.222 |       |  |
| lab*tce                          | 0.75  | 0.25  | 0.824  |       |  |
| lab*nce                          | 0.0   | 0.25  | 0.824  |       |  |

| relative Inform. Technology (IT) |       |       |        |       |  |
|----------------------------------|-------|-------|--------|-------|--|
| olvi3*                           | 0.5   | 0.5   | 0.75   | (1.0) |  |
| cmyn3*                           | 0.5   | 0.5   | 0.25   | (0.0) |  |
| olvi4*                           | 0.75  | 0.75  | 1.0    | (1.0) |  |
| cmyn4*                           | 0.5   | 0.5   | 0.0    | (0.0) |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 58.64 | 7.49  | -8.82  |       |  |
| LAB*LABa                         | 58.64 | 7.77  | -11.09 |       |  |
| LAB*LABb                         | 62.5  | 13.55 | 305.0  |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.5   | 0.5   | 0.75   |       |  |
| lab*tch                          | 0.5   | 0.25  | 0.847  |       |  |
| lab*nch                          | 0.5   | 0.25  | 0.847  |       |  |
| lab*trj                          | 0.5   | 0.225 | -0.446 |       |  |
| lab*tce                          | 0.5   | 0.25  | 0.824  |       |  |
| lab*nce                          | 0.5   | 0.25  | 0.824  |       |  |
| relative Natural Colour (NC)     |       |       |        |       |  |
| lab*trj                          | 0.5   | 0.225 | -0.446 |       |  |
| lab*tce                          | 0.5   | 0.25  | 0.824  |       |  |
| lab*nce                          | 0.5   | 0.25  | 0.824  |       |  |

| relative Inform. Technology (IT) |       |       |        |       |  |
|----------------------------------|-------|-------|--------|-------|--|
| olvi3*                           | 0.25  | 0.25  | 0.5    | (1.0) |  |
| cmyn3*                           | 0.75  | 0.75  | 0.25   | (0.0) |  |
| olvi4*                           | 0.5   | 0.5   | 1.0    | (1.0) |  |
| cmyn4*                           | 0.5   | 0.5   | 0.0    | (0.0) |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 41.22 | 15.6  | -21.1  |       |  |
| LAB*LABa                         | 41.22 | 15.55 | -22.2  |       |  |
| LAB*LABb                         | 50.0  | 27.1  | 305.0  |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.25  | 0.25  | 0.5    |       |  |
| lab*tch                          | 0.25  | 0.5   | 0.847  |       |  |
| lab*nch                          | 0.25  | 0.5   | 0.847  |       |  |
| lab*trj                          | 0.25  | 0.225 | -0.446 |       |  |
| lab*tce                          | 0.25  | 0.5   | 0.824  |       |  |
| lab*nce                          | 0.25  | 0.5   | 0.824  |       |  |
| relative Natural Colour (NC)     |       |       |        |       |  |
| lab*trj                          | 0.25  | 0.225 | -0.446 |       |  |
| lab*tce                          | 0.25  | 0.5   | 0.824  |       |  |
| lab*nce                          | 0.25  | 0.5   | 0.824  |       |  |

| relative CIELAB lab*             |       |       |            |
|----------------------------------|-------|-------|------------|
| lab*lab                          | 0.275 | 0.143 | -0.204     |
| lab*tch                          | 0.375 | 0.25  | 0.847      |
| lab*nch                          | 0.375 | 0.25  | 0.847      |
| relative Natural Color (NC)      |       |       |            |
| lab*lrj                          | 0.275 | 0.112 | -0.222     |
| lab*tce                          | 0.375 | 0.25  | 0.824      |
| lab*nce                          | 0.5   | 0.25  | 0.829      |
| relative Inform. Technology (IT) |       |       |            |
| olvi3*                           | 0.0   | 0.0   | 0.25 (1.0) |
| cmyn3*                           | 1.0   | 1.0   | 0.75 (0.0) |
| olvi4*                           | 0.75  | 0.75  | 1.0 0.25   |
| cmyn4*                           | 0.25  | 0.25  | 0.0 0.75   |
| standard and adapted CIELAB      |       |       |            |
| LAB*LAB                          | 19.94 | 8.23  | -11.43     |
| LAB*LABa                         | 19.94 | 7.77  | -11.09     |
| LAB*LABb                         | 25.01 | 27.1  | 305.0      |
| LAB*Lab                          | 12.1  | 13.55 | -30.0      |

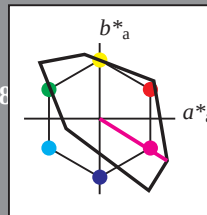
Eingabe: Farbmatisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab^*h = 328/360 = 0.911$

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

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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

OG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

BAM-Prüfvorlage OG46; Farbmatrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmY0^* / 000n^* setcmykcolor$

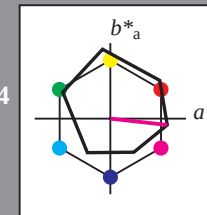
Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

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



## Eingabe: Farbmatisches Fernseh-Licht-System TLS18

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

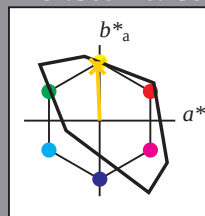
$lab^*tch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 85 79 92

olv\*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit  $c^*$

OG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

BAM-Prüfvorlage OG46; Farbmatrik-Systeme TLS18 & ORS18 input:  $cmY0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmY0^* / 000n^* setcmykcolor$

## Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

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

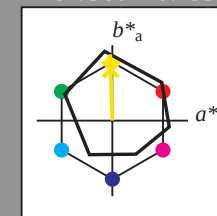
$lab^*tch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit  $c^*$

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



## Eingabe: Farbmatisches Fernseh-Licht-System TLS18

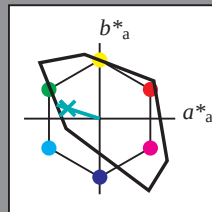
für Buntton  $h^* = lab^*h = 162/360 = 0.451$

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

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

Dreiecks-Helligkeit

1,00



| 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          |

%Regularität

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

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

1,00

| relative Inform. Technology (IT) |     |     |     |       |  |
|----------------------------------|-----|-----|-----|-------|--|
| olvi3*                           | 1.0 | 1.0 | 1.0 | (1.0) |  |
| olvi4*                           | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi5*                           | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi6*                           | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi7*                           | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi8*                           | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi9*                           | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi10*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi11*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi12*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi13*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi14*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi15*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi16*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi17*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi18*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi19*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi20*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi21*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi22*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi23*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi24*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi25*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi26*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi27*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi28*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi29*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi30*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi31*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi32*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi33*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi34*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi35*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi36*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi37*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi38*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi39*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi40*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi41*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi42*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi43*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi44*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi45*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi46*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi47*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi48*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi49*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi50*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi51*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi52*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi53*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi54*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi55*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi56*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi57*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi58*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi59*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi60*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi61*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi62*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi63*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi64*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi65*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi66*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi67*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi68*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi69*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi70*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi71*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi72*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi73*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi74*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi75*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi76*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi77*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi78*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi79*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi80*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi81*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi82*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi83*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi84*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi85*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi86*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi87*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi88*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi89*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi90*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi91*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi92*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi93*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi94*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi95*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi96*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi97*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi98*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi99*                          | 0.0 | 0.0 | 0.0 | (0.0) |  |
| olvi100*                         | 0.0 | 0.0 | 0.0 | (0.0) |  |

## Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

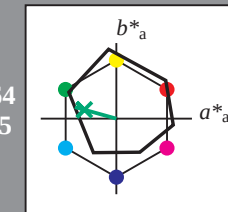
für Buntton  $h^* = lab^*h = 164/360 = 0.457$

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

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

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 93$

| 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          |

%Regularität

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

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

1,00

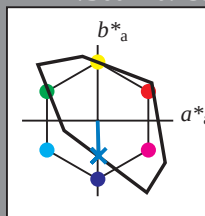
| relative Inform. Technology (IT) |       |       |      |       |
|----------------------------------|-------|-------|------|-------|
| olvi3*                           | 1.0   | 1.0   | 1.0  | (1.0) |
| olvi3*                           | 0.0   | 0.0   | 0.0  | (0.0) |
| olvi4*                           | 1.0   | 1.0   | 1.0  | (1.0) |
| olvi4*                           | 0.0   | 0.0   | 0.0  | (0.0) |
| olvi5*                           | 0.0   | 0.0   | 0.0  | (0.0) |
| standard and adapted CIELAB      |       |       |      |       |
| LAB*LAB                          | 95.41 | -0.98 | 4.75 |       |
| LAB*LAB                          | 95.41 | 0.0   | 0.0  |       |
| LAB*TCa                          | 99.99 | 0.01  | -    |       |
| relative CIELAB lab*             |       |       |      |       |
| lab*lab                          | 1.0   | 0.0   | 0.0  |       |
| lab*ich                          | 1.0   | 0.0   | -    |       |
| lab*nc                           | 0.0   | 0.0   | 0.0  |       |
| relative Natural Colour (NC)     |       |       |      |       |
| lab*lrj                          | 1.0   | 0.0   | 0.0  |       |
| lab*ice                          | 1.0   | 0.0   | -    |       |
| lab*nCe                          | 0.0   | 0.0   | -    |       |

## Eingabe: Farbmatisches 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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

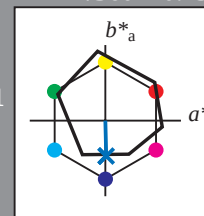
relative Buntheit  $c^*$

## Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

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

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

Dreiecks-Helligkeit



| 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          |

%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit  $c^*$

OG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage OG46; Farbmatrik-Systeme TLS18 & ORS18 input: `cmY0* setcmykcolor`

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmY0* / 000n* setcmykcolor`