

# Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

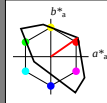
für Buntton  $h^* = lab^*h = 35/360 = 0.097$

LAB\*LCH, LAB\*NCH

D65: Buntton O

LCH\*Ma: 53 87 35

olv\*Ma: 1.0 0.0 0.0



## TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_{ab}$ | $a^*_{ab}$ | $b^*_{ab}$ | $C^*_{ab}$ | $h^*_{ab}$ |
|------------------|----------------|------------|------------|------------|------------|
| O <sub>Md</sub>  | 52.76          | 71.63      | 49.88      | 87.29      | 35         |
| Y <sub>Md</sub>  | 92.74          | -20.02     | 84.97      | 87.3       | 103        |
| L <sub>Md</sub>  | 84.0           | -78.98     | 73.94      | 108.2      | 137        |
| C <sub>Md</sub>  | 87.14          | -44.41     | -13.11     | 46.32      | 196        |
| V <sub>Md</sub>  | 35.47          | 64.92      | -95.06     | 115.12     | 304        |
| M <sub>Md</sub>  | 59.01          | 89.33      | -55.67     | 105.26     | 328        |
| N <sub>Md</sub>  | 18.01          | 0.0        | 0.0        | 0.0        | 0          |
| W <sub>Md</sub>  | 95.41          | 0.0        | 0.0        | 0.0        | 0          |
| R <sub>CIE</sub> | 39.92          | 58.74      | 27.99      | 65.07      | 25         |
| J <sub>CIE</sub> | 81.26          | -2.88      | 71.56      | 71.62      | 92         |
| G <sub>CIE</sub> | 52.23          | -42.41     | 13.6       | 44.55      | 162        |
| B <sub>CIE</sub> | 30.57          | 1.41       | -46.46     | 46.49      | 272        |

CIELAB-Helligkeit  $L^*$

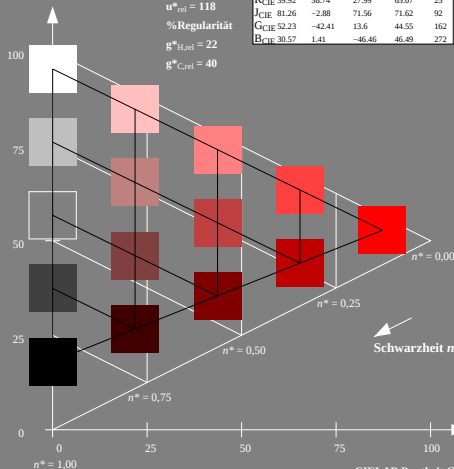
%Umfang

$u^*_{rel} = 118$

%Regularität

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

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



NG360-7, 5-stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

# Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

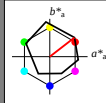
für Buntton  $h^* = lab^*h = 38/360 = 0.105$

LAB\*LCH, LAB\*NCH

D65: Buntton O

LCH\*Ma: 48 83 38

olv\*Ma: 1.0 0.0 0.0



## ORS18; adaptierte CIELAB-Daten

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

CIELAB-Helligkeit  $L^*$

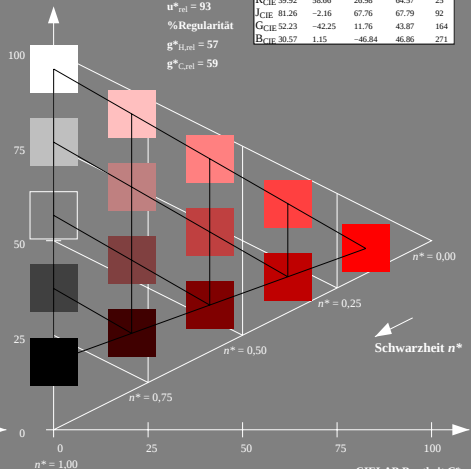
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage NG36; Farbmetrik-Systeme TLS18 & ORS18 input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: olv\* setrgbcolor / w\* setgray