

# Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton  $h^* = lab^*h = 22/360 = 0.061$

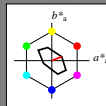
$lab^*ch$  und  $lab^*nh$

D65: Buntton O

LCH\*Ma: 76 28 22

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

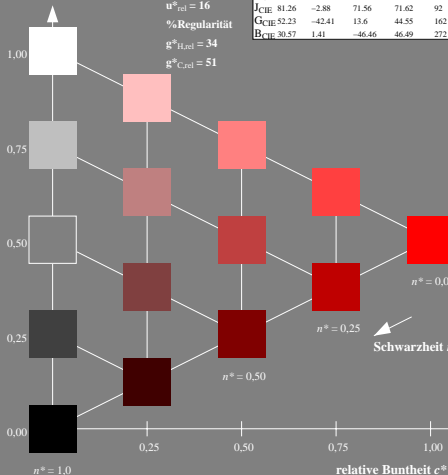
%Regularität

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

## TLS70; adaptierte CIELAB-Daten

|                  | $L^*$ | $a^*$  | $b^*$  | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------|--------|--------|--------------|--------------|
| O <sub>m</sub>   | 76.43 | 26.27  | 10.57  | 28.32        | 22           |
| Y <sub>m</sub>   | 93.93 | -10.76 | 34.63  | 36.27        | 107          |
| L <sub>m</sub>   | 89.32 | -35.8  | 27.64  | 45.24        | 142          |
| C <sub>m</sub>   | 90.93 | -21.95 | -7.07  | 23.07        | 198          |
| V <sub>m</sub>   | 72.1  | 15.76  | -35.63 | 38.97        | 294          |
| M <sub>m</sub>   | 78.5  | 37.52  | -25.23 | 45.22        | 326          |
| N <sub>m</sub>   | 69.7  | 0.0    | 0.0    | 0.0          | 0            |
| W <sub>m</sub>   | 95.41 | 0.0    | 0.0    | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92 | 58.74  | 27.99  | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26 | -2.88  | 71.56  | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23 | -42.41 | 13.6   | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57 | 1.41   | -46.46 | 46.49        | 272          |



NG280-7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

# Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 40/360 = 0.111$

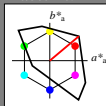
$LAB^*LCH$ ,  $LAB^*NCH$

D65: Buntton O

LCH\*Ma: 51 100 40

olv\*Ma: 1.0 0.0 0.0

CIELAB-Helligkeit  $L^*$



%Umfang

$u^*_{rel} = 158$

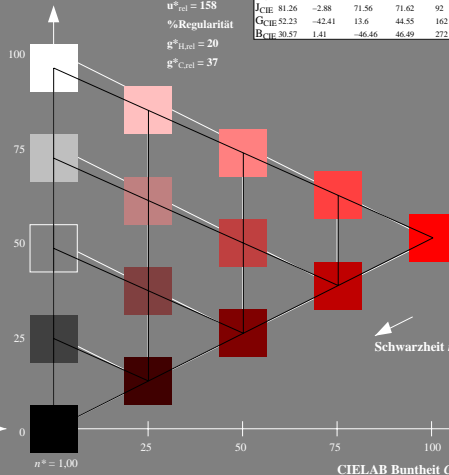
%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

## TLS00; adaptierte CIELAB-Daten

|                  | $L^*$ | $a^*$  | $b^*$   | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------|--------|---------|--------------|--------------|
| O <sub>m</sub>   | 50.5  | 76.92  | 64.55   | 100.42       | 40           |
| Y <sub>m</sub>   | 92.66 | -20.69 | 90.75   | 93.08        | 103          |
| L <sub>m</sub>   | 83.63 | -82.75 | 79.9    | 115.04       | 136          |
| C <sub>m</sub>   | 86.88 | -46.16 | -13.55  | 48.12        | 196          |
| V <sub>m</sub>   | 30.39 | 76.06  | -103.59 | 128.52       | 306          |
| M <sub>m</sub>   | 57.3  | 94.35  | -58.41  | 110.97       | 328          |
| N <sub>m</sub>   | 0.01  | 0.0    | 0.0     | 0.0          | 0            |
| W <sub>m</sub>   | 95.41 | 0.0    | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92 | 58.74  | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26 | -2.88  | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23 | -42.41 | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57 | 1.41   | -46.46  | 46.49        | 272          |



5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

BAM-Prüfvorlage NG28; Farbmetrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input