

# Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

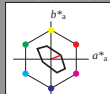
$lab^*ch$  und  $lab^*nch$

D65: Buntton O

LCH\*Ma: 76 28 22

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regulartät

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

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

## TLS70; adaptierte CIELAB-Daten

| $L^* = L^*_a$   | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|---------|---------|--------------|--------------|
| $O_{Ma}$ 76.43  | 26.27   | 10.57   | 28.32        | 22           |
| $Y_{Ma}$ 93.93  | -10.76  | 34.63   | 36.27        | 107          |
| $L_{Ma}$ 89.32  | -35.8   | 27.64   | 45.24        | 142          |
| $C_{Ma}$ 90.93  | -21.95  | -7.07   | 23.07        | 198          |
| $V_{Ma}$ 72.1   | 15.76   | -35.63  | 38.97        | 294          |
| $M_{Ma}$ 78.5   | 37.52   | -25.23  | 45.22        | 326          |
| $N_{Ma}$ 69.7   | 0.0     | 0.0     | 0.0          | 0            |
| $W_{Ma}$ 95.41  | 0.0     | 0.0     | 0.0          | 0            |
| $R_{CIE}$ 39.92 | 58.74   | 27.99   | 65.07        | 25           |
| $J_{CIE}$ 81.26 | -2.88   | 71.56   | 71.62        | 92           |
| $G_{CIE}$ 52.23 | -42.41  | 13.6    | 44.55        | 162          |
| $B_{CIE}$ 30.57 | 1.41    | -46.46  | 46.49        | 272          |

# Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

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

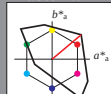
$lab^*ch$  und  $lab^*nch$

D65: Buntton O

LCH\*Ma: 51 100 40

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regulartät

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

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

## TLS00; adaptierte CIELAB-Daten

| $L^* = L^*_a$   | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|---------|---------|--------------|--------------|
| $O_{Ma}$ 50.5   | 76.92   | 64.55   | 100.42       | 40           |
| $Y_{Ma}$ 92.66  | -20.69  | 90.75   | 93.08        | 103          |
| $L_{Ma}$ 83.63  | -82.75  | 79.9    | 115.04       | 136          |
| $C_{Ma}$ 86.88  | -46.16  | -13.55  | 48.12        | 196          |
| $V_{Ma}$ 30.39  | 76.06   | -103.59 | 128.52       | 396          |
| $M_{Ma}$ 57.3   | 94.35   | -58.41  | 110.97       | 328          |
| $N_{Ma}$ 0.01   | 0.0     | 0.0     | 0.0          | 0            |
| $W_{Ma}$ 95.41  | 0.0     | 0.0     | 0.0          | 0            |
| $R_{CIE}$ 39.92 | 58.74   | 27.99   | 65.07        | 25           |
| $J_{CIE}$ 81.26 | -2.88   | 71.56   | 71.62        | 92           |
| $G_{CIE}$ 52.23 | -42.41  | 13.6    | 44.55        | 162          |
| $B_{CIE}$ 30.57 | 1.41    | -46.46  | 46.49        | 272          |

relative Inform. Technology (IT)  
 $olv3^* 1.0 1.0 1.0 (1.0)$   
 $cmyn3^* 0.0 0.0 0.0 (0.0)$   
 $olv4^* 1.0 1.0 1.0 (1.0)$   
 $cmyn4^* 0.0 0.0 0.0 (0.0)$

standard and adapted CIELAB  
 $LAB^*LAB 95.41 0.0 0.0$   
 $LAB^*Lab 95.41 0.0 0.0$   
 $LAB^*TCh 99.99 0.01 -$

relative CIELAB lab\*  
 $lab^*lab 1.0 0.0 0.0$   
 $lab^*ch 1.0 0.0 -$   
 $lab^*nch 0.0 0.0 -$   
 $olv4^* 1.0 0.0 0.5$   
 $cmyn4^* 0.0 0.0 0.5$

standard and adapted CIELAB  
 $LAB^*LAB 72.95 38.45 32.27$   
 $LAB^*Lab 72.95 38.45 32.27$   
 $LAB^*TCh 75.0 50.2 40.0$

relative CIELAB lab\*  
 $lab^*lab 0.765 0.383 0.321$   
 $lab^*ch 0.75 0.5 0.111$   
 $lab^*nch 0.0 0.5 0.111$   
 $olv4^* 1.0 0.0 0.5$   
 $cmyn4^* 0.0 0.5 0.5$

standard and adapted CIELAB  
 $LAB^*LAB 25.26 38.45 32.27$   
 $LAB^*Lab 25.26 38.45 32.27$   
 $LAB^*TCh 25.01 30.2 40.0$

relative CIELAB lab\*  
 $lab^*lab 0.265 0.383 0.321$   
 $lab^*ch 0.25 0.5 0.111$   
 $lab^*nch 0.0 0.5 0.111$   
 $olv4^* 1.0 0.0 0.5$   
 $cmyn4^* 0.0 0.5 0.5$

standard and adapted CIELAB  
 $LAB^*LAB 0.03 0.0 0.0$   
 $LAB^*Lab 0.03 0.0 0.0$   
 $LAB^*TCh 0.01 0.01 -$

relative Inform. Technology (IT)  
 $olv3^* 1.0 0.5 0.5 (1.0)$   
 $cmyn3^* 0.0 0.5 0.5 (0.0)$   
 $olv4^* 1.0 0.5 0.5 (1.0)$   
 $cmyn4^* 0.0 0.5 0.5 (0.0)$

standard and adapted CIELAB  
 $LAB^*LAB 72.95 38.45 32.27$   
 $LAB^*Lab 72.95 38.45 32.27$   
 $LAB^*TCh 75.0 50.2 40.0$

relative CIELAB lab\*  
 $lab^*lab 0.765 0.471 0.167$   
 $lab^*ch 0.75 0.5 0.054$   
 $lab^*nch 0.0 0.5 0.121$

relative Inform. Technology (IT)  
 $olv3^* 0.5 0.0 0.0 (1.0)$   
 $cmyn3^* 0.5 1.0 1.0 (0.0)$   
 $olv4^* 1.0 0.5 0.5 (1.0)$   
 $cmyn4^* 0.0 0.5 0.5 (0.0)$

standard and adapted CIELAB  
 $LAB^*LAB 25.26 38.45 32.27$   
 $LAB^*Lab 25.26 38.45 32.27$   
 $LAB^*TCh 25.01 30.2 40.0$

relative CIELAB lab\*  
 $lab^*lab 0.265 0.383 0.321$   
 $lab^*ch 0.25 0.5 0.111$   
 $lab^*nch 0.0 0.5 0.111$   
 $olv4^* 1.0 0.0 0.5$   
 $cmyn4^* 0.0 0.5 0.5$

relative Inform. Technology (IT)  
 $olv3^* 0.0 0.0 0.0 (1.0)$   
 $cmyn3^* 0.0 1.0 1.0 (0.0)$   
 $olv4^* 1.0 0.0 0.0 (1.0)$   
 $cmyn4^* 0.0 0.0 0.0 (0.0)$

standard and adapted CIELAB  
 $LAB^*LAB 50.5 76.9 64.54$   
 $LAB^*Lab 50.5 76.9 64.54$   
 $LAB^*TCh 50.0 100.4 40.0$

relative CIELAB lab\*  
 $lab^*lab 0.529 0.766 0.643$   
 $lab^*ch 0.5 1.0 0.111$   
 $lab^*nch 0.0 1.0 0.111$   
 $olv4^* 1.0 0.0 0.5$   
 $cmyn4^* 0.0 1.0 0.5$

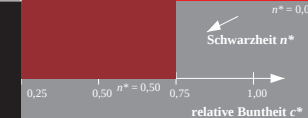
standard and adapted CIELAB  
 $LAB^*LAB 0.03 0.0 0.0$   
 $LAB^*Lab 0.03 0.0 0.0$   
 $LAB^*TCh 0.01 0.01 -$

relative CIELAB lab\*  
 $lab^*lab 0.265 0.383 0.321$   
 $lab^*ch 0.25 0.5 0.111$   
 $lab^*nch 0.0 0.5 0.111$   
 $olv4^* 1.0 0.0 0.5$   
 $cmyn4^* 0.0 0.5 0.5$

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG08/L08G00F1.PS.TXT  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen

BAM-Material: Code=thada  
KOD: Form 1/0, Seite 1/1, Seite 1  
Seite Blatt 1



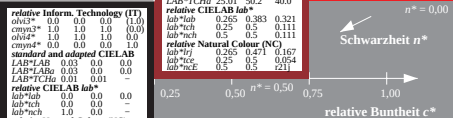
relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 1.0$

OG08-7, 3 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

BAM-Prüfvorlage OG08; Farbmetrik-Systeme TLS70 & TLS00 input:  $cmv0^* setcmkcolor$   
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmv0^* / 000n^* setcmkcolor$



relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

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