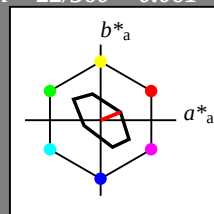


### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

D65: Buntton O  
LCH\*Ma: 76 28 22  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 16$   
%Regularität  
 $g^*_{H,rel} = 34$   
 $g^*_{C,rel} = 51$

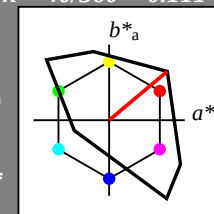
| TLS70; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>                | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>                | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>                | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>                | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>                | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>                | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

D65: Buntton O  
LCH\*Ma: 51 100 40  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 158$   
%Regularität  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

| TLS00; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>                | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>                | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>                | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>                | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>                | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>                | 0.01        | 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          |

| 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 | 0.0  | 0.0 |       |  |
| LAB*LABa                         | 95.41 | 0.0  | 0.0 |       |  |
| LAB*TCHa                         | 99.99 | 0.01 | -   |       |  |
| relative CIELAB lab*             |       |      |     |       |  |
| lab*lab                          | 1.0   | 0.0  | 0.0 |       |  |
| lab*tch                          | 1.0   | 0.0  | -   |       |  |
| lab*nch                          | 0.0   | 0.0  | -   |       |  |
| relative Natural Colour (NC)     |       |      |     |       |  |
| lab*lrj                          | 1.0   | 0.0  | 0.0 |       |  |
| lab*tce                          | 1.0   | 0.0  | -   |       |  |
| lab*nce                          | 0.0   | 0.0  | -   |       |  |

| relative Inform. Technology (IT) |       |       |       |       |  |
|----------------------------------|-------|-------|-------|-------|--|
| olvi3*                           | 1.0   | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0   | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 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*LABa                         | 72.95 | 38.45 | 32.27 |       |  |
| LAB*TCHa                         | 75.0  | 50.2  | 40.0  |       |  |
| relative CIELAB lab*             |       |       |       |       |  |
| lab*lab                          | 0.765 | 0.383 | 0.321 |       |  |
| lab*tch                          | 0.75  | 0.5   | 0.111 |       |  |
| lab*nch                          | 0.0   | 0.5   | 0.111 |       |  |
| relative Natural Colour (NC)     |       |       |       |       |  |
| lab*lrj                          | 0.765 | 0.471 | 0.167 |       |  |
| lab*tce                          | 0.75  | 0.5   | 0.054 |       |  |
| lab*nce                          | 0.0   | 0.5   | r21j  |       |  |

| relative Inform. Technology (IT) |       |       |       |       |  |
|----------------------------------|-------|-------|-------|-------|--|
| olvi3*                           | 1.0   | 0.0   | 0.0   | (1.0) |  |
| cmyn3*                           | 0.0   | 1.0   | 1.0   | (0.0) |  |
| olvi4*                           | 1.0   | 0.0   | 0.0   | 1.0   |  |
| cmyn4*                           | 0.0   | 1.0   | 1.0   | 0.0   |  |
| standard and adapted CIELAB      |       |       |       |       |  |
| LAB*LAB                          | 50.5  | 76.9  | 64.54 |       |  |
| LAB*LABa                         | 50.5  | 76.9  | 64.54 |       |  |
| LAB*TCHa                         | 50.0  | 100.4 | 40.0  |       |  |
| relative CIELAB lab*             |       |       |       |       |  |
| lab*lab                          | 0.529 | 0.766 | 0.643 |       |  |
| lab*tch                          | 0.5   | 1.0   | 0.111 |       |  |
| lab*nch                          | 0.0   | 1.0   | 0.111 |       |  |
| relative Natural Colour (NC)     |       |       |       |       |  |
| lab*lrj                          | 0.529 | 0.942 | 0.335 |       |  |
| lab*tce                          | 0.5   | 1.0   | 0.054 |       |  |
| lab*nce                          | 0.0   | 1.0   | r21j  |       |  |

| 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 | 0.0   |  |
| cmyn4*                           | 0.0  | 0.0  | 0.0 | 1.0   |  |
| standard and adapted CIELAB      |      |      |     |       |  |
| LAB*LAB                          | 0.03 | 0.0  | 0.0 |       |  |
| LAB*LABa                         | 0.03 | 0.0  | 0.0 |       |  |
| LAB*TCHa                         | 0.01 | 0.01 | -   |       |  |
| relative CIELAB lab*             |      |      |     |       |  |
| lab*lab                          | 0.0  | 0.0  | 0.0 |       |  |
| lab*tch                          | 0.0  | 0.0  | -   |       |  |
| lab*nch                          | 1.0  | 0.0  | -   |       |  |
| relative Natural Colour (NC)     |      |      |     |       |  |
| lab*lrj                          | 0.0  | 0.0  | 0.0 |       |  |
| lab*tce                          | 0.0  | 0.0  | -   |       |  |
| lab*nce                          | 1.0  | 0.0  | -   |       |  |

| relative Inform. Technology (IT) |       |       |       |       |  |
|----------------------------------|-------|-------|-------|-------|--|
| olvi3*                           | 0.5   | 0.0   | 0.0   | (1.0) |  |
| cmyn3*                           | 0.5   | 1.0   | 1.0   | (0.0) |  |
| olvi4*                           | 1.0   | 0.5   | 0.5   | 0.5   |  |
| cmyn4*                           | 0.0   | 0.5   | 0.5   | 0.5   |  |
| standard and adapted CIELAB      |       |       |       |       |  |
| LAB*LAB                          | 25.26 | 38.45 | 32.27 |       |  |
| LAB*LABa                         | 25.26 | 38.45 | 32.27 |       |  |
| LAB*TCHa                         | 25.01 | 50.2  | 40.0  |       |  |
| relative CIELAB lab*             |       |       |       |       |  |
| lab*lab                          | 0.265 | 0.383 | 0.321 |       |  |
| lab*tch                          | 0.25  | 0.5   | 0.111 |       |  |
| lab*nch                          | 0.5   | 0.5   | 0.111 |       |  |
| relative Natural Colour (NC)     |       |       |       |       |  |
| lab*lrj                          | 0.265 | 0.471 | 0.167 |       |  |
| lab*tce                          | 0.25  | 0.5   | 0.054 |       |  |
| lab*nce                          | 0.5   | 0.5   | r21j  |       |  |

| relative Inform. Technology (IT) |       |       |       |       |  |
|----------------------------------|-------|-------|-------|-------|--|
| olvi3*                           | 1.0   | 0.0   | 0.0   | (1.0) |  |
| cmyn3*                           | 0.0   | 1.0   | 1.0   | (0.0) |  |
| olvi4*                           | 1.0   | 0.0   | 0.0   | 1.0   |  |
| cmyn4*                           | 0.0   | 1.0   | 1.0   | 0.0   |  |
| standard and adapted CIELAB      |       |       |       |       |  |
| LAB*LAB                          | 50.5  | 76.9  | 64.54 |       |  |
| LAB*LABa                         | 50.5  | 76.9  | 64.54 |       |  |
| LAB*TCHa                         | 50.0  | 100.4 | 40.0  |       |  |
| relative CIELAB lab*             |       |       |       |       |  |
| lab*lab                          | 0.529 | 0.766 | 0.643 |       |  |
| lab*tch                          | 0.5   | 1.0   | 0.111 |       |  |
| lab*nch                          | 0.0   | 1.0   | 0.111 |       |  |
| relative Natural Colour (NC)     |       |       |       |       |  |
| lab*lrj                          | 0.529 | 0.942 | 0.335 |       |  |
| lab*tce                          | 0.5   | 1.0   | 0.054 |       |  |
| lab*nce                          | 0.0   | 1.0   | r21j  |       |  |

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton  $h^* = lab^*h = 107/360 = 0.298$

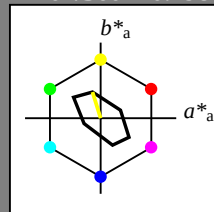
$lab^*tch$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 94 36 107

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 103/360 = 0.286$

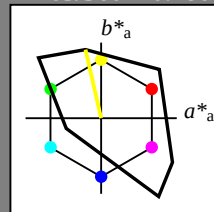
$lab^*tch$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 93 93 103

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCHa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 -  
lab\*nch 0.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCHa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0

standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCHa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 0.5 (1.0)  
cmyn3\* 0.0 0.0 0.5 (0.0)  
olvi4\* 1.0 1.0 0.5 1.0  
cmyn4\* 0.0 0.0 0.5 0.0

standard and adapted CIELAB  
LAB\*LAB 94.03 -10.34 45.37  
LAB\*LABa 94.03 -10.34 45.37  
LAB\*TCHa 75.0 46.53 102.85

relative CIELAB lab\*  
lab\*lab 0.985 -0.11 0.487  
lab\*tch 0.75 0.5 0.286  
lab\*nch 0.0 0.5 0.286

relative Natural Colour (NC)  
lab\*lrj 0.985 -0.116 0.486  
lab\*tce 0.75 0.5 0.288  
lab\*nce 0.0 0.5 j15g

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.0 (1.0)  
cmyn3\* 0.5 0.5 1.0 (0.0)  
olvi4\* 1.0 1.0 0.5 0.5  
cmyn4\* 0.0 0.0 0.5 0.5

standard and adapted CIELAB  
LAB\*LAB 46.34 -10.34 45.37  
LAB\*LABa 46.34 -10.34 45.37  
LAB\*TCHa 25.01 46.53 102.85

relative CIELAB lab\*  
lab\*lab 0.486 -0.11 0.487  
lab\*tch 0.25 0.5 0.286  
lab\*nch 0.5 0.5 0.286

relative Natural Colour (NC)  
lab\*lrj 0.486 -0.116 0.486  
lab\*tce 0.25 0.5 0.288  
lab\*nce 0.5 0.5 j15g

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 1.0 (0.0)  
olvi4\* 1.0 1.0 0.0 1.0  
cmyn4\* 0.0 0.0 1.0 0.0

standard and adapted CIELAB  
LAB\*LAB 92.65 -20.69 90.73  
LAB\*LABa 92.65 -20.69 90.73  
LAB\*TCHa 50.0 93.06 102.85

relative CIELAB lab\*  
lab\*lab 0.971 -0.221 0.975  
lab\*tch 0.5 1.0 0.286  
lab\*nch 0.0 1.0 0.286

relative Natural Colour (NC)  
lab\*lrj 0.971 -0.233 0.972  
lab\*tce 0.5 1.0 0.288  
lab\*nce 0.0 1.0 j15g

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG08/10Q/Q08G01NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG08/ Form: 2/10, Serie: 1/1, Seite: 2  
Satzanzahlung 2

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton  $h^* = lab^*h = 142/360 = 0.395$

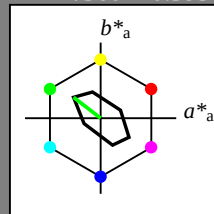
$lab^*tch$  und  $lab^*nch$

D65: Buntton L

LCH\*Ma: 89 45 142

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 136/360 = 0.378$

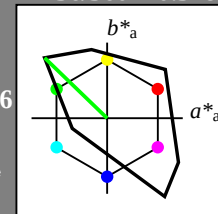
$lab^*tch$  und  $lab^*nch$

D65: Buntton L

LCH\*Ma: 84 115 136

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCHa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 -  
lab\*nch 0.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCHa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0

standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCHa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 0.5 1.0 0.5 (1.0)  
cmyn3\* 0.5 0.0 0.5 (0.0)  
olvi4\* 0.5 1.0 0.5 1.0  
cmyn4\* 0.5 0.0 0.5 0.0

standard and adapted CIELAB  
LAB\*LAB 89.51 -41.36 39.94  
LAB\*LABa 89.51 -41.36 39.94  
LAB\*TCHa 75.0 57.51 136.01

relative CIELAB lab\*  
lab\*lab 0.938 -0.359 0.347  
lab\*tch 0.75 0.5 0.378  
lab\*nch 0.0 0.5 0.378

relative Natural Colour (NC)  
lab\*lrj 0.938 -0.415 0.278  
lab\*tce 0.75 0.5 0.406  
lab\*nce 0.0 0.5 0.62g

relative Inform. Technology (IT)  
olvi3\* 0.0 0.5 0.0 (1.0)  
cmyn3\* 1.0 0.5 1.0 (0.0)  
olvi4\* 0.5 1.0 0.5 0.5  
cmyn4\* 0.5 0.0 0.5 0.5

standard and adapted CIELAB  
LAB\*LAB 41.82 -41.36 39.94  
LAB\*LABa 41.82 -41.36 39.94  
LAB\*TCHa 25.01 57.51 136.01

relative CIELAB lab\*  
lab\*lab 0.438 -0.359 0.347  
lab\*tch 0.25 0.5 0.378  
lab\*nch 0.5 0.5 0.378

relative Natural Colour (NC)  
lab\*lrj 0.438 -0.415 0.278  
lab\*tce 0.25 0.5 0.406  
lab\*nce 0.5 0.5 0.62g

relative Inform. Technology (IT)  
olvi3\* 0.0 1.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 1.0 (0.0)  
olvi4\* 0.0 1.0 0.0 1.0  
cmyn4\* 1.0 0.0 1.0 0.0

standard and adapted CIELAB  
LAB\*LAB 83.62 -82.73 79.88  
LAB\*LABa 83.62 -82.73 79.88  
LAB\*TCHa 50.0 115.01 136.01

relative CIELAB lab\*  
lab\*lab 0.876 -0.718 0.694  
lab\*tch 0.5 1.0 0.378  
lab\*nch 0.0 1.0 0.378

relative Natural Colour (NC)  
lab\*lrj 0.876 -0.83 0.555  
lab\*tce 0.5 1.0 0.406  
lab\*nce 0.0 1.0 0.62g

relative Buntheit  $c^*$

Schwarzheit  $n^*$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

relative Buntheit  $c^*$

Schwarzheit  $n^*$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

3 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

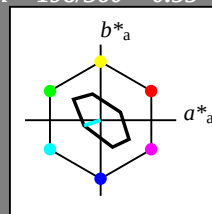
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton  $h^* = lab^*h = 198/360 = 0.55$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton C  
LCH\*Ma: 91 23 198  
olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 16$   
%Regularität  
 $g^*_{H,rel} = 34$   
 $g^*_{C,rel} = 51$

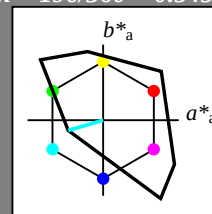
| TLS70; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>                | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>                | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>                | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>                | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>                | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>                | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 196/360 = 0.545$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton C  
LCH\*Ma: 87 48 196  
olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang  
 $u^*_{rel} = 158$   
%Regularität  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

| TLS00; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>                | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>                | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>                | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>                | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>                | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>                | 0.01        | 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          |

| 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 | 0.0  | 0.0 |       |  |
| LAB*LABa                         | 95.41 | 0.0  | 0.0 |       |  |
| LAB*TCa                          | 99.99 | 0.01 | -   |       |  |
| relative CIELAB lab*             |       |      |     |       |  |
| lab*lab                          | 1.0   | 0.0  | 0.0 |       |  |
| lab*tch                          | 1.0   | 0.0  | -   |       |  |
| lab*nch                          | 0.0   | 0.0  | -   |       |  |
| relative Natural Colour (NC)     |       |      |     |       |  |
| lab*lrj                          | 1.0   | 0.0  | 0.0 |       |  |
| lab*tce                          | 1.0   | 0.0  | -   |       |  |
| lab*nce                          | 0.0   | 0.0  | -   |       |  |

| relative Inform. Technology (IT) |       |        |        |       |  |
|----------------------------------|-------|--------|--------|-------|--|
| olvi3*                           | 0.5   | 1.0    | 1.0    | (1.0) |  |
| cmyn3*                           | 0.5   | 0.0    | 0.0    | (0.0) |  |
| olvi4*                           | 0.5   | 1.0    | 1.0    | 1.0   |  |
| cmyn4*                           | 0.5   | 0.0    | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |        |        |       |  |
| LAB*LAB                          | 91.14 | -23.07 | -6.77  |       |  |
| LAB*LABa                         | 91.14 | -23.07 | -6.77  |       |  |
| LAB*TCa                          | 75.0  | 24.06  | 196.37 |       |  |
| relative CIELAB lab*             |       |        |        |       |  |
| lab*lab                          | 0.955 | -0.479 | -0.14  |       |  |
| lab*tch                          | 0.75  | 0.5    | 0.545  |       |  |
| lab*nch                          | 0.0   | 0.5    | 0.545  |       |  |
| relative Natural Colour (NC)     |       |        |        |       |  |
| lab*lrj                          | 0.955 | -0.44  | -0.234 |       |  |
| lab*tce                          | 0.75  | 0.5    | 0.578  |       |  |
| lab*nce                          | 0.0   | 0.5    | g31b   |       |  |

| relative Inform. Technology (IT) |       |        |        |       |  |
|----------------------------------|-------|--------|--------|-------|--|
| olvi3*                           | 0.0   | 1.0    | 1.0    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.0    | 0.0    | (0.0) |  |
| olvi4*                           | 0.0   | 1.0    | 1.0    | 1.0   |  |
| cmyn4*                           | 1.0   | 0.0    | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |        |        |       |  |
| LAB*LAB                          | 86.87 | -46.15 | -13.55 |       |  |
| LAB*LABa                         | 86.87 | -46.15 | -13.55 |       |  |
| LAB*TCa                          | 50.0  | 48.11  | 196.37 |       |  |
| relative CIELAB lab*             |       |        |        |       |  |
| lab*lab                          | 0.911 | -0.958 | -0.281 |       |  |
| lab*tch                          | 0.5   | 1.0    | 0.545  |       |  |
| lab*nch                          | 0.0   | 1.0    | 0.545  |       |  |
| relative Natural Colour (NC)     |       |        |        |       |  |
| lab*lrj                          | 0.911 | -0.881 | -0.469 |       |  |
| lab*tce                          | 0.5   | 1.0    | 0.578  |       |  |
| lab*nce                          | 0.0   | 1.0    | g31b   |       |  |

| 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 | 0.5   |  |
| cmyn4*                           | 0.0   | 0.0  | 0.0 | 0.5   |  |
| standard and adapted CIELAB      |       |      |     |       |  |
| LAB*LAB                          | 47.72 | 0.0  | 0.0 |       |  |
| LAB*LABa                         | 47.72 | 0.0  | 0.0 |       |  |
| LAB*TCa                          | 50.0  | 0.01 | -   |       |  |
| relative CIELAB lab*             |       |      |     |       |  |
| lab*lab                          | 0.5   | 0.0  | 0.0 |       |  |
| lab*tch                          | 0.5   | 0.0  | -   |       |  |
| lab*nch                          | 0.5   | 0.0  | -   |       |  |
| relative Natural Colour (NC)     |       |      |     |       |  |
| lab*lrj                          | 0.5   | 0.0  | 0.0 |       |  |
| lab*tce                          | 0.5   | 0.0  | -   |       |  |
| lab*nce                          | 0.5   | 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 | 0.0   |  |
| cmyn4*                           | 0.0  | 0.0  | 0.0 | 1.0   |  |
| standard and adapted CIELAB      |      |      |     |       |  |
| LAB*LAB                          | 0.03 | 0.0  | 0.0 |       |  |
| LAB*LABa                         | 0.03 | 0.0  | 0.0 |       |  |
| LAB*TCa                          | 0.01 | 0.01 | -   |       |  |
| relative CIELAB lab*             |      |      |     |       |  |
| lab*lab                          | 0.0  | 0.0  | 0.0 |       |  |
| lab*tch                          | 0.0  | 0.0  | -   |       |  |
| lab*nch                          | 1.0  | 0.0  | -   |       |  |
| relative Natural Colour (NC)     |      |      |     |       |  |
| lab*lrj                          | 0.0  | 0.0  | 0.0 |       |  |
| lab*tce                          | 0.0  | 0.0  | -   |       |  |
| lab*nce                          | 1.0  | 0.0  | -   |       |  |

| relative Inform. Technology (IT) |       |        |        |       |  |
|----------------------------------|-------|--------|--------|-------|--|
| olvi3*                           | 0.0   | 0.5    | 0.5    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.5    | 0.5    | (0.0) |  |
| olvi4*                           | 0.5   | 1.0    | 1.0    | 0.5   |  |
| cmyn4*                           | 0.5   | 0.0    | 0.0    | 0.5   |  |
| standard and adapted CIELAB      |       |        |        |       |  |
| LAB*LAB                          | 43.45 | -23.07 | -6.77  |       |  |
| LAB*LABa                         | 43.45 | -23.07 | -6.77  |       |  |
| LAB*TCa                          | 25.01 | 24.06  | 196.37 |       |  |
| relative CIELAB lab*             |       |        |        |       |  |
| lab*lab                          | 0.455 | -0.479 | -0.14  |       |  |
| lab*tch                          | 0.25  | 0.5    | 0.545  |       |  |
| lab*nch                          | 0.5   | 0.5    | 0.545  |       |  |
| relative Natural Colour (NC)     |       |        |        |       |  |
| lab*lrj                          | 0.455 | -0.44  | -0.234 |       |  |
| lab*tce                          | 0.25  | 0.5    | 0.578  |       |  |
| lab*nce                          | 0.5   | 0.5    | g31b   |       |  |

| relative Inform. Technology (IT) |       |        |        |       |  |
|----------------------------------|-------|--------|--------|-------|--|
| olvi3*                           | 0.0   | 1.0    | 1.0    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.0    | 0.0    | (0.0) |  |
| olvi4*                           | 0.0   | 1.0    | 1.0    | 1.0   |  |
| cmyn4*                           | 1.0   | 0.0    | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |        |        |       |  |
| LAB*LAB                          | 86.87 | -46.15 | -13.55 |       |  |
| LAB*LABa                         | 86.87 | -46.15 | -13.55 |       |  |
| LAB*TCa                          | 50.0  | 48.11  | 196.37 |       |  |
| relative CIELAB lab*             |       |        |        |       |  |
| lab*lab                          | 0.911 | -0.958 | -0.281 |       |  |
| lab*tch                          | 0.5   | 1.0    | 0.545  |       |  |
| lab*nch                          | 0.0   | 1.0    | 0.545  |       |  |
| relative Natural Colour (NC)     |       |        |        |       |  |
| lab*lrj                          | 0.911 | -0.881 | -0.469 |       |  |
| lab*tce                          | 0.5   | 1.0    | 0.578  |       |  |
| lab*nce                          | 0.0   | 1.0    | g31b   |       |  |



### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton  $h^* = lab^*h = 294/360 = 0.816$

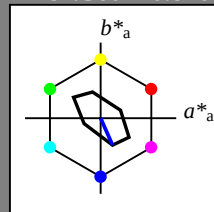
$lab^*tch$  und  $lab^*nch$

D65: Buntton V

LCH\*Ma: 72 39 294

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 306/360 = 0.851$

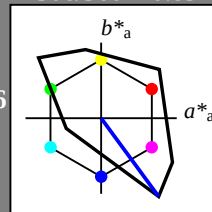
$lab^*tch$  und  $lab^*nch$

D65: Buntton V

LCH\*Ma: 30 129 306

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCHa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 -  
lab\*nch 0.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCHa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0

standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCHa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 1.0 (1.0)  
cmyn3\* 0.5 0.5 0.0 (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 62.9 38.02 -51.78  
LAB\*LABa 62.9 38.02 -51.78  
LAB\*TCHa 75.0 64.25 306.29

relative CIELAB lab\*  
lab\*lab 0.659 0.296 -0.402  
lab\*tch 0.75 0.5 0.851  
lab\*nch 0.0 0.5 0.851

relative Natural Colour (NC)  
lab\*lrj 0.659 0.23 -0.443  
lab\*tce 0.75 0.5 0.826  
lab\*nce 0.0 0.5 b30r

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.5 (1.0)  
cmyn3\* 1.0 1.0 0.5 (0.0)  
olvi4\* 0.5 0.5 1.0 0.5  
cmyn4\* 0.5 0.5 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 15.21 38.02 -51.78  
LAB\*LABa 15.21 38.02 -51.78  
LAB\*TCHa 25.01 64.25 306.29

relative CIELAB lab\*  
lab\*lab 0.159 0.296 -0.402  
lab\*tch 0.25 0.5 0.851  
lab\*nch 0.5 0.5 0.851

relative Natural Colour (NC)  
lab\*lrj 0.159 0.23 -0.443  
lab\*tce 0.25 0.5 0.826  
lab\*nce 0.5 0.5 b30r

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 1.0 (1.0)  
cmyn3\* 1.0 1.0 0.0 (0.0)  
olvi4\* 0.0 0.0 1.0 1.0  
cmyn4\* 1.0 1.0 0.0 0.0

standard and adapted CIELAB  
LAB\*LAB 30.39 76.04 -103.57  
LAB\*LABa 30.39 76.04 -103.57  
LAB\*TCHa 50.0 128.5 306.29

relative CIELAB lab\*  
lab\*lab 0.318 0.592 -0.805  
lab\*tch 0.5 1.0 0.851  
lab\*nch 0.0 1.0 0.851

relative Natural Colour (NC)  
lab\*lrj 0.318 0.459 -0.887  
lab\*tce 0.5 1.0 0.826  
lab\*nce 0.0 1.0 b30r

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG08/10Q/Q08G04NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG08/ Form: 5/10, Serie: 1/1, Seite: 5  
Satzanz hlung 5

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

3 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton  $h^* = lab^*h = 326/360 = 0.906$

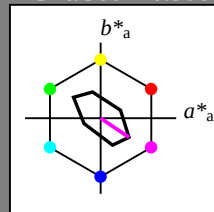
$lab^*tch$  und  $lab^*nch$

D65: Buntton M

LCH\*Ma: 79 45 326

olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 328/360 = 0.912$

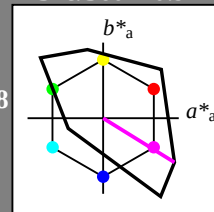
$lab^*tch$  und  $lab^*nch$

D65: Buntton M

LCH\*Ma: 57 111 328

olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCHa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 -  
lab\*nch 0.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCHa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0

standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCHa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 1.0 0.5 1.0 (1.0)  
cmyn3\* 0.0 0.5 0.0 (0.0)  
olvi4\* 1.0 0.5 1.0 1.0  
cmyn4\* 0.0 0.5 0.0 0.0

standard and adapted CIELAB  
LAB\*LAB 76.35 47.17 -29.19  
LAB\*LABa 76.35 47.17 -29.19  
LAB\*TCHa 75.0 55.47 328.23

relative CIELAB lab\*  
lab\*lab 0.8 0.425 -0.262  
lab\*tch 0.75 0.5 0.912  
lab\*nch 0.0 0.5 0.912

relative Natural Colour (NC)  
lab\*lrj 0.8 0.352 -0.354  
lab\*tce 0.75 0.5 0.874  
lab\*nce 0.0 0.5 b49r

relative Inform. Technology (IT)  
olvi3\* 0.5 0.0 0.5 (1.0)  
cmyn3\* 0.5 1.0 0.5 (0.0)  
olvi4\* 1.0 0.5 1.0 0.5  
cmyn4\* 0.0 0.5 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 28.66 47.17 -29.19  
LAB\*LABa 28.66 47.17 -29.19  
LAB\*TCHa 25.01 55.47 328.23

relative CIELAB lab\*  
lab\*lab 0.3 0.425 -0.262  
lab\*tch 0.25 0.5 0.912  
lab\*nch 0.5 0.5 0.912

relative Natural Colour (NC)  
lab\*lrj 0.3 0.352 -0.354  
lab\*tce 0.25 0.5 0.874  
lab\*nce 0.5 0.5 b49r

relative Inform. Technology (IT)  
olvi3\* 1.0 0.0 1.0 (1.0)  
cmyn3\* 0.0 1.0 0.0 (0.0)  
olvi4\* 1.0 0.0 1.0 1.0  
cmyn4\* 0.0 1.0 0.0 0.0

standard and adapted CIELAB  
LAB\*LAB 57.3 94.33 -58.4  
LAB\*LABa 57.3 94.33 -58.4  
LAB\*TCHa 50.0 110.95 328.23

relative CIELAB lab\*  
lab\*lab 0.601 0.85 -0.525  
lab\*tch 0.5 1.0 0.912  
lab\*nch 0.0 1.0 0.912

relative Natural Colour (NC)  
lab\*lrj 0.601 0.703 -0.71  
lab\*tce 0.5 1.0 0.874  
lab\*nce 0.0 1.0 b49r

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG08/10Q/Q08G05NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG08/ Form: 6/10, Serie: 1/1, Seite: 6  
Satzanzahlung 6

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton  $h^* = lab^*h = 25/360 = 0.071$

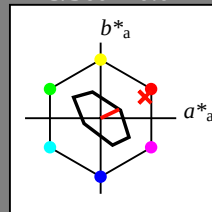
$lab^*ch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 77 27 25

olv\*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 25/360 = 0.071$

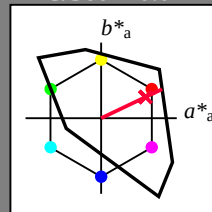
$lab^*ch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 52 89 25

olv\*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 -  
lab\*nch 0.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5  
standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0  
standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 1.0 0.5 0.606 (1.0)  
cmyn3\* 0.0 0.5 0.394 (0.0)  
olvi4\* 1.0 0.5 0.606 1.0  
cmyn4\* 0.0 0.5 0.394 0.0  
standard and adapted CIELAB  
LAB\*LAB 73.67 40.3 19.2  
LAB\*LABa 73.67 40.3 19.2  
LAB\*TCa 75.0 44.64 25.47

relative CIELAB lab\*  
lab\*lab 0.772 0.451 0.215  
lab\*tch 0.75 0.5 0.071  
lab\*nch 0.0 0.5 0.071

relative Natural Colour (NC)  
lab\*lrj 0.772 0.5 0.0  
lab\*tce 0.75 0.5 1.0  
lab\*nce 0.0 0.5 0.99r

relative Inform. Technology (IT)  
olvi3\* 0.5 0.0 0.106 (1.0)  
cmyn3\* 0.5 1.0 0.894 (0.0)  
olvi4\* 1.0 0.5 0.606 0.5  
cmyn4\* 0.0 0.5 0.394 0.5  
standard and adapted CIELAB  
LAB\*LAB 25.98 40.3 19.21  
LAB\*LABa 25.98 40.3 19.21  
LAB\*TCa 25.01 44.65 25.49

relative CIELAB lab\*  
lab\*lab 0.272 0.451 0.215  
lab\*tch 0.25 0.5 0.071  
lab\*nch 0.5 0.5 0.071

relative Natural Colour (NC)  
lab\*lrj 0.272 0.5 0.0  
lab\*tce 0.25 0.5 0.0  
lab\*nce 0.5 0.5 0.00j

relative Inform. Technology (IT)  
olvi3\* 1.0 0.0 0.213 (1.0)  
cmyn3\* 0.0 1.0 0.787 (0.0)  
olvi4\* 1.0 0.0 0.213 1.0  
cmyn4\* 0.0 1.0 0.787 0.0  
standard and adapted CIELAB  
LAB\*LAB 51.94 80.61 38.42  
LAB\*LABa 51.94 80.61 38.42  
LAB\*TCa 50.0 89.29 25.48

relative CIELAB lab\*  
lab\*lab 0.544 0.903 0.43  
lab\*tch 0.5 1.0 0.071  
lab\*nch 0.0 1.0 0.071

relative Natural Colour (NC)  
lab\*lrj 0.544 1.0 0.0  
lab\*tce 0.5 1.0 0.0  
lab\*nce 0.0 1.0 0.00j

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG08/10Q/Q08G06NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG08/ Form: 7/10, Serie: 1/1, Seite: 7  
Satzanzahlung 7

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

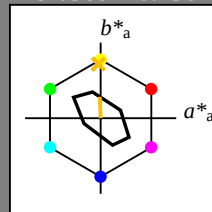
$lab^*ch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 89 28 92

olv\*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

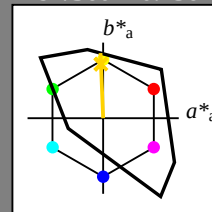
$lab^*ch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 85 86 92

olv\*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCHa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 -  
lab\*nch 0.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCHa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0

standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCHa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 1.0 0.912 0.5 (1.0)  
cmyn3\* 0.0 0.088 0.5 (0.0)  
olvi4\* 1.0 0.912 0.5 1.0  
cmyn4\* 0.0 0.088 0.5 0.0

standard and adapted CIELAB  
LAB\*LAB 90.31 -1.74 43.06  
LAB\*LABa 90.31 -1.74 43.06  
LAB\*TCHa 75.0 43.09 92.32

relative CIELAB lab\*  
lab\*lab 0.947 -0.019 0.499  
lab\*tch 0.75 0.5 0.256  
lab\*nch 0.0 0.5 0.256

relative Natural Colour (NC)  
lab\*lrj 0.947 0.0 0.5  
lab\*tce 0.75 0.5 0.25  
lab\*nce 0.0 0.5 j00g

relative Inform. Technology (IT)  
olvi3\* 0.5 0.412 0.0 (1.0)  
cmyn3\* 0.5 0.588 1.0 (0.0)  
olvi4\* 1.0 0.912 0.5 0.5  
cmyn4\* 0.0 0.088 0.5 0.5

standard and adapted CIELAB  
LAB\*LAB 42.62 -1.73 43.05  
LAB\*LABa 42.62 -1.73 43.05  
LAB\*TCHa 25.01 43.09 92.31

relative CIELAB lab\*  
lab\*lab 0.447 -0.019 0.499  
lab\*tch 0.25 0.5 0.256  
lab\*nch 0.5 0.5 0.256

relative Natural Colour (NC)  
lab\*lrj 0.447 0.0 0.5  
lab\*tce 0.25 0.5 0.25  
lab\*nce 0.5 0.5 j99j

relative Inform. Technology (IT)  
olvi3\* 1.0 0.824 0.0 (1.0)  
cmyn3\* 0.0 0.176 1.0 (0.0)  
olvi4\* 1.0 0.824 0.0 1.0  
cmyn4\* 0.0 0.176 1.0 0.0

standard and adapted CIELAB  
LAB\*LAB 85.22 -3.47 86.11  
LAB\*LABa 85.22 -3.47 86.11  
LAB\*TCHa 50.0 86.18 92.32

relative CIELAB lab\*  
lab\*lab 0.893 -0.039 0.999  
lab\*tch 0.5 1.0 0.256  
lab\*nch 0.0 1.0 0.256

relative Natural Colour (NC)  
lab\*lrj 0.893 0.0 1.0  
lab\*tce 0.5 1.0 0.25  
lab\*nce 0.0 1.0 j00g

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG08/10Q/Q08G07NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG08/ Form: 8/10, Serie: 1/1, Seite: 8  
Satzanz hlung 8

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input



### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

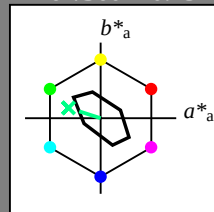
$lab^*ch$  und  $lab^*nch$

D65: Buntton G

LCH\*Ma: 90 30 162

olv\*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

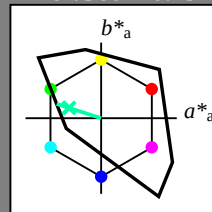
$lab^*ch$  und  $lab^*nch$

D65: Buntton G

LCH\*Ma: 86 62 162

olv\*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCa 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 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0

standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 0.5 1.0 0.826 (1.0)  
cmyn3\* 0.5 0.0 0.174 (0.0)  
olvi4\* 0.5 1.0 0.827 1.0  
cmyn4\* 0.5 0.0 0.173 0.0

standard and adapted CIELAB  
LAB\*LAB 90.57 -29.42 9.43  
LAB\*LABa 90.57 -29.42 9.43  
LAB\*TCa 75.0 30.9 162.23

relative CIELAB lab\*  
lab\*lab 0.949 -0.475 0.153  
lab\*ch 0.75 0.5 0.451  
lab\*nch 0.0 0.5 0.451

relative Natural Colour (NC)  
lab\*lrj 0.949 -0.499 0.0  
lab\*tce 0.75 0.5 0.5  
lab\*nce 0.0 0.5 g00b

relative Inform. Technology (IT)  
olvi3\* 0.0 0.5 0.326 (1.0)  
cmyn3\* 1.0 0.5 0.674 (0.0)  
olvi4\* 0.5 1.0 0.826 0.5  
cmyn4\* 0.5 0.0 0.174 0.5

standard and adapted CIELAB  
LAB\*LAB 42.88 -29.42 9.44  
LAB\*LABa 42.88 -29.42 9.44  
LAB\*TCa 25.01 30.91 162.22

relative CIELAB lab\*  
lab\*lab 0.449 -0.475 0.153  
lab\*ch 0.25 0.5 0.451  
lab\*nch 0.5 0.5 0.451

relative Natural Colour (NC)  
lab\*lrj 0.449 -0.499 0.0  
lab\*tce 0.25 0.5 0.5  
lab\*nce 0.5 0.5 g99g

relative Inform. Technology (IT)  
olvi3\* 0.0 1.0 0.653 (1.0)  
cmyn3\* 1.0 0.0 0.347 (0.0)  
olvi4\* 0.0 1.0 0.653 1.0  
cmyn4\* 1.0 0.0 0.347 0.0

standard and adapted CIELAB  
LAB\*LAB 85.74 -58.84 18.87  
LAB\*LABa 85.74 -58.84 18.87  
LAB\*TCa 50.0 61.8 162.23

relative CIELAB lab\*  
lab\*lab 0.899 -0.951 0.305  
lab\*ch 0.5 1.0 0.451  
lab\*nch 0.0 1.0 0.451

relative Natural Colour (NC)  
lab\*lrj 0.899 -0.999 0.0  
lab\*tce 0.5 1.0 0.5  
lab\*nce 0.0 1.0 g00b

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG08/10Q/Q08G08NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG08/ Form: 9/10, Serie: 1/1, Seite: 9  
Satzanz hlung 9

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

### Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

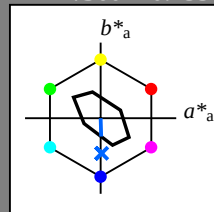
$lab^*ch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 80 24 272

olv\*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

### TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

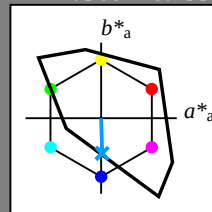
$lab^*ch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 65 49 272

olv\*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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          |

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 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCHa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 -  
lab\*nch 0.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*nce 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 0.5  
cmyn4\* 0.0 0.0 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LABa 47.72 0.0 0.0  
LAB\*TCHa 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 -  
lab\*nch 0.5 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*nce 0.5 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 0.0  
cmyn4\* 0.0 0.0 0.0 1.0

standard and adapted CIELAB  
LAB\*LAB 0.03 0.0 0.0  
LAB\*LABa 0.03 0.0 0.0  
LAB\*TCHa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 -  
lab\*nch 1.0 0.0 -

relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 0.5 0.805 1.0 (1.0)  
cmyn3\* 0.5 0.195 0.0 (0.0)  
olvi4\* 0.5 0.805 1.0 1.0  
cmyn4\* 0.5 0.195 0.0 0.0

standard and adapted CIELAB  
LAB\*LAB 80.13 0.73 -24.31  
LAB\*LABa 80.13 0.73 -24.31  
LAB\*TCHa 75.0 24.33 271.72

relative CIELAB lab\*  
lab\*lab 0.84 0.015 -0.499  
lab\*tch 0.75 0.5 0.755  
lab\*nch 0.0 0.5 0.755

relative Natural Colour (NC)  
lab\*lrj 0.84 0.0 -0.499  
lab\*tce 0.75 0.5 0.75  
lab\*nce 0.0 0.5 g99b

relative Inform. Technology (IT)  
olvi3\* 0.0 0.305 0.5 (1.0)  
cmyn3\* 1.0 0.695 0.5 (0.0)  
olvi4\* 0.5 0.805 1.0 0.5  
cmyn4\* 0.5 0.195 0.0 0.5

standard and adapted CIELAB  
LAB\*LAB 32.44 0.74 -24.32  
LAB\*LABa 32.44 0.74 -24.32  
LAB\*TCHa 25.01 24.34 271.75

relative CIELAB lab\*  
lab\*lab 0.34 0.015 -0.499  
lab\*tch 0.25 0.5 0.755  
lab\*nch 0.5 0.5 0.755

relative Natural Colour (NC)  
lab\*lrj 0.34 0.0 -0.499  
lab\*tce 0.25 0.5 0.75  
lab\*nce 0.5 0.5 b00r

relative Inform. Technology (IT)  
olvi3\* 0.0 0.61 1.0 (1.0)  
cmyn3\* 1.0 0.39 0.0 (0.0)  
olvi4\* 0.0 0.61 1.0 1.0  
cmyn4\* 1.0 0.39 0.0 0.0

standard and adapted CIELAB  
LAB\*LAB 64.86 1.47 -48.64  
LAB\*LABa 64.86 1.47 -48.64  
LAB\*TCHa 50.0 48.67 271.74

relative CIELAB lab\*  
lab\*lab 0.68 0.03 -0.998  
lab\*tch 0.5 1.0 0.755  
lab\*nch 0.0 1.0 0.755

relative Natural Colour (NC)  
lab\*lrj 0.68 0.0 -0.999  
lab\*tce 0.5 1.0 0.75  
lab\*nce 0.0 1.0 g99b

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG08/10Q/Q08G09NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG08/ Form: 10/10 Serie: 1/1, Seite: 10  
Satzanzahlung 10

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input