

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

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

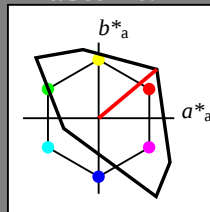
$lab^*ch$  und  $lab^*nch$

D65: Buntton O

LCH\*Ma: 51 100 40

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 158$

%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          |

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

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

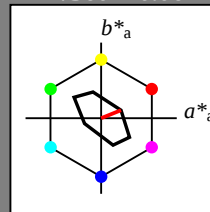
$lab^*ch$  und  $lab^*nch$

D65: Buntton O

LCH\*Ma: 76 28 22

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 16$

%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          |

#### 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 | 0.0 | -   |

#### 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  | 82.56 | 0.0 | 0.0 |
| LAB*LABa | 82.56 | 0.0 | 0.0 |
| LAB*TCa  | 50.0  | 0.0 | -   |

#### 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  | 69.7 | 0.0 | 0.0 |
| LAB*LABa | 69.7 | 0.0 | 0.0 |
| LAB*TCa  | 0.01 | 0.0 | -   |

#### 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 | 0.5 | (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  | 85.92 | 13.13 | 5.28  |
| LAB*LABa | 85.92 | 13.13 | 5.28  |
| LAB*TCa  | 75.0  | 14.16 | 21.92 |

#### relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.631 | 0.464 | 0.187 |
| lab*tch | 0.75  | 0.5   | 0.061 |
| lab*nch | 0.0   | 0.5   | 0.061 |

#### relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lrj | 0.631 | 0.499 | -0.024 |
| lab*tce | 0.75  | 0.5   | 0.992  |
| lab*nce | 0.0   | 0.5   | b96r   |

#### 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  | 73.07 | 13.13 | 5.28  |
| LAB*LABa | 73.07 | 13.13 | 5.28  |
| LAB*TCa  | 25.01 | 14.16 | 21.92 |

#### relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.131 | 0.464 | 0.187 |
| lab*tch | 0.25  | 0.5   | 0.061 |
| lab*nch | 0.5   | 0.5   | 0.061 |

#### relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lrj | 0.131 | 0.499 | -0.024 |
| lab*tce | 0.25  | 0.5   | 0.992  |
| lab*nce | 0.5   | 0.5   | b96r   |

#### 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  | 76.43 | 26.26 | 10.57 |
| LAB*LABa | 76.43 | 26.26 | 10.57 |
| LAB*TCa  | 50.0  | 28.31 | 21.92 |

#### relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.262 | 0.928 | 0.373 |
| lab*tch | 0.5   | 1.0   | 0.061 |
| lab*nch | 0.0   | 1.0   | 0.061 |

#### relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lrj | 0.262 | 0.999 | -0.048 |
| lab*tce | 0.5   | 1.0   | 0.992  |
| lab*nce | 0.0   | 1.0   | b96r   |

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG03/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG03/10Q/Q03G00SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG03/ Form: 1/10, Serie: 1/1, Seite: 1  
Satzanzahlung 1

NG030-7, 3 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

3 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

BAM-Prüfvorlage NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

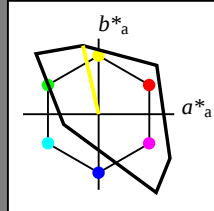
## Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

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          |              |

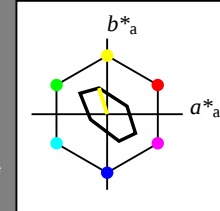
## Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

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          |              |

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 | 0.0 | -   |

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  | 82.56 | 0.0 | 0.0 |
| LAB*LABa | 82.56 | 0.0 | 0.0 |
| LAB*TCHa | 50.0  | 0.0 | -   |

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  | 69.7 | 0.0 | 0.0 |
| LAB*LABa | 69.7 | 0.0 | 0.0 |
| LAB*TCHa | 0.01 | 0.0 | -   |

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  | 94.67 | -5.37 | 17.31  |
| LAB*LABa | 94.67 | -5.37 | 17.31  |
| LAB*TCHa | 75.0  | 18.13 | 107.28 |

relative CIELAB lab\*

|         |       |        |       |
|---------|-------|--------|-------|
| lab*lab | 0.971 | -0.147 | 0.477 |
| lab*tch | 0.75  | 0.5    | 0.298 |
| lab*nch | 0.0   | 0.5    | 0.298 |

relative Natural Colour (NC)

|         |       |        |       |
|---------|-------|--------|-------|
| lab*lrj | 0.971 | -0.164 | 0.472 |
| lab*tce | 0.75  | 0.5    | 0.304 |
| lab*nce | 0.0   | 0.5    | j21g  |

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  | 81.82 | -5.37 | 17.31  |
| LAB*LABa | 81.82 | -5.37 | 17.31  |
| LAB*TCHa | 25.01 | 18.13 | 107.28 |

relative CIELAB lab\*

|         |       |        |       |
|---------|-------|--------|-------|
| lab*lab | 0.471 | -0.147 | 0.477 |
| lab*tch | 0.25  | 0.5    | 0.298 |
| lab*nch | 0.5   | 0.5    | 0.298 |

relative Natural Colour (NC)

|         |       |        |       |
|---------|-------|--------|-------|
| lab*lrj | 0.471 | -0.164 | 0.472 |
| lab*tce | 0.25  | 0.5    | 0.304 |
| lab*nce | 0.5   | 0.5    | j21g  |

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  | 93.93 | -10.76 | 34.62  |
| LAB*LABa | 93.93 | -10.76 | 34.62  |
| LAB*TCHa | 50.0  | 36.26  | 107.28 |

relative CIELAB lab\*

|         |       |        |       |
|---------|-------|--------|-------|
| lab*lab | 0.942 | -0.296 | 0.955 |
| lab*tch | 0.5   | 1.0    | 0.298 |
| lab*nch | 0.0   | 1.0    | 0.298 |

relative Natural Colour (NC)

|         |       |        |       |
|---------|-------|--------|-------|
| lab*lrj | 0.942 | -0.329 | 0.944 |
| lab*tce | 0.5   | 1.0    | 0.304 |
| lab*nce | 0.0   | 1.0    | j21g  |

relative Buntheit  $c^*$

$n^* = 0.50$

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.50$

$n^* = 0.00$

Schwarzheit  $n^*$

NG030-7, 3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

3 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

BAM-Prüfvorlage NG03; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

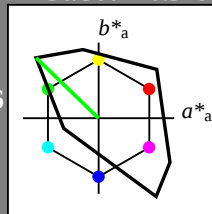
### Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

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          |

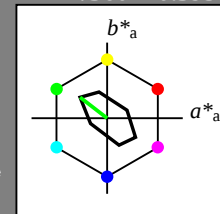
### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

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          |

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 0.0 -

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 82.56 0.0 0.0  
LAB\*LABa 82.56 0.0 0.0  
LAB\*TCa 50.0 0.0 -

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 69.7 0.0 0.0  
LAB\*LABa 69.7 0.0 0.0  
LAB\*TCa 0.01 0.0 -

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 92.36 -17.89 13.82  
LAB\*LABa 92.36 -17.89 13.82  
LAB\*TCa 75.0 22.61 142.34

relative CIELAB lab\*  
lab\*lab 0.881 -0.395 0.305  
lab\*tch 0.75 0.5 0.395  
lab\*nch 0.0 0.5 0.395

relative Natural Colour (NC)  
lab\*lrj 0.881 -0.45 0.216  
lab\*tce 0.75 0.5 0.429  
lab\*nce 0.0 0.5 0.71g

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 79.51 -17.89 13.82  
LAB\*LABa 79.51 -17.89 13.82  
LAB\*TCa 25.01 22.61 142.34

relative CIELAB lab\*  
lab\*lab 0.382 -0.395 0.305  
lab\*tch 0.25 0.5 0.395  
lab\*nch 0.5 0.5 0.395

relative Natural Colour (NC)  
lab\*lrj 0.382 -0.45 0.216  
lab\*tce 0.25 0.5 0.429  
lab\*nce 0.5 0.5 0.71g

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 89.32 -35.79 27.63  
LAB\*LABa 89.32 -35.79 27.63  
LAB\*TCa 50.0 45.23 142.34

relative CIELAB lab\*  
lab\*lab 0.763 -0.79 0.611  
lab\*tch 0.5 1.0 0.395  
lab\*nch 0.0 1.0 0.395

relative Natural Colour (NC)  
lab\*lrj 0.763 -0.901 0.432  
lab\*tce 0.5 1.0 0.429  
lab\*nce 0.0 1.0 0.71g

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG03/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG03/10Q/Q03G02SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG03/ Form: 3/0, Serie: 1/1, Seite: 3  
Satzanz hlung 3

NG030-7, 3 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

3 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

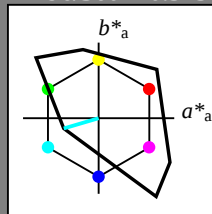
BAM-Prüfvorlage NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

### Eingabe: 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  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

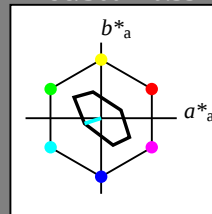
| TLS00; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <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          |

### Ausgabe: 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          |

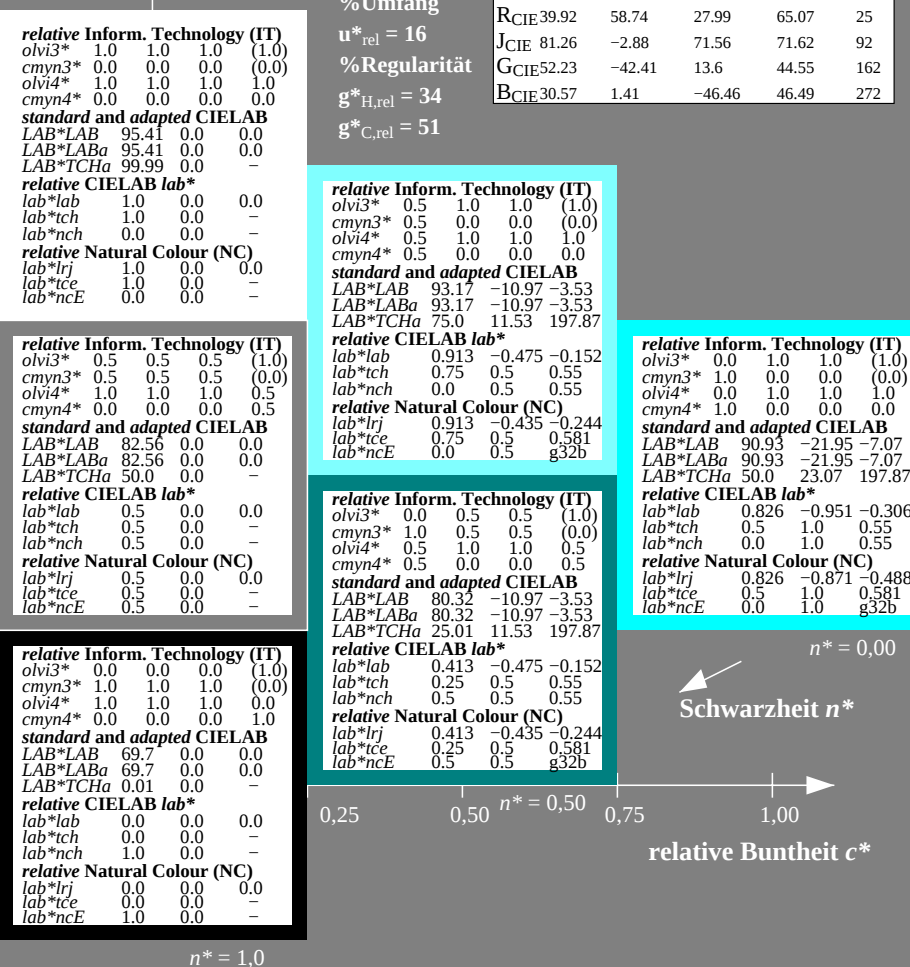
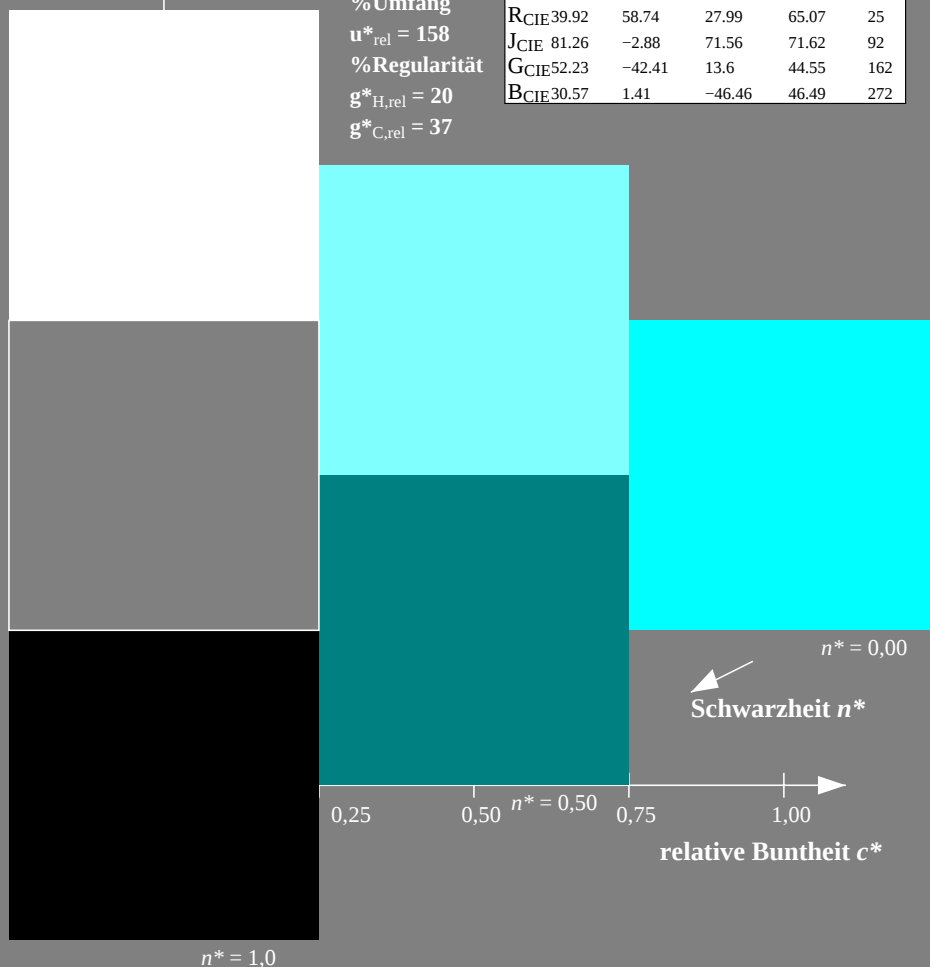
relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 1.0  
cmyn4\* 0.0 0.0 0.0 0.0  
standard and adapted CIELAB  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCa 99.99 0.0 -  
relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 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 93.17 -10.97 -3.53  
LAB\*LABa 93.17 -10.97 -3.53  
LAB\*TCa 75.0 11.53 197.87  
relative CIELAB lab\*  
lab\*lab 0.913 -0.475 -0.152  
lab\*tch 0.75 0.5 0.55  
lab\*nch 0.0 0.5 0.55  
relative Natural Colour (NC)  
lab\*lrj 0.913 -0.435 -0.244  
lab\*tce 0.75 0.5 0.581  
lab\*nce 0.0 0.5 g32b

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 82.56 0.0 0.0  
LAB\*LABa 82.56 0.0 0.0  
LAB\*TCa 50.0 0.0 -  
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 0.5 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 80.32 -10.97 -3.53  
LAB\*LABa 80.32 -10.97 -3.53  
LAB\*TCa 25.01 11.53 197.87  
relative CIELAB lab\*  
lab\*lab 0.413 -0.475 -0.152  
lab\*tch 0.25 0.5 0.55  
lab\*nch 0.5 0.5 0.55  
relative Natural Colour (NC)  
lab\*lrj 0.413 -0.435 -0.244  
lab\*tce 0.25 0.5 0.581  
lab\*nce 0.5 0.5 g32b

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 90.93 -21.95 -7.07  
LAB\*LABa 90.93 -21.95 -7.07  
LAB\*TCa 50.0 23.07 197.87  
relative CIELAB lab\*  
lab\*lab 0.826 -0.951 -0.306  
lab\*tch 0.5 1.0 0.55  
lab\*nch 0.0 1.0 0.55  
relative Natural Colour (NC)  
lab\*lrj 0.826 -0.871 -0.488  
lab\*tce 0.5 1.0 0.581  
lab\*nce 0.0 1.0 g32b



NG030-7, 3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

3 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

BAM-Prüfvorlage NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

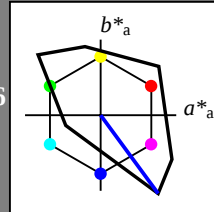
## Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

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          |              |

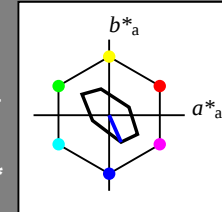
## Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

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          |              |

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 0.0 -

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 82.56 0.0 0.0  
LAB\*LABa 82.56 0.0 0.0  
LAB\*TCHa 50.0 0.0 -

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 69.7 0.0 0.0  
LAB\*LABa 69.7 0.0 0.0  
LAB\*TCHa 0.01 0.0 -

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 83.75 7.88 -17.81  
LAB\*LABa 83.75 7.88 -17.81  
LAB\*TCHa 75.0 19.48 293.86

relative CIELAB lab\*  
lab\*lab 0.547 0.202 -0.456  
lab\*tch 0.75 0.5 0.816  
lab\*nch 0.0 0.5 0.816

relative Natural Colour (NC)  
lab\*lrj 0.547 0.15 -0.476  
lab\*tce 0.75 0.5 0.799  
lab\*nce 0.0 0.5 b19r

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 70.9 7.88 -17.81  
LAB\*LABa 70.9 7.88 -17.81  
LAB\*TCHa 25.01 19.48 293.86

relative CIELAB lab\*  
lab\*lab 0.047 0.202 -0.456  
lab\*tch 0.25 0.5 0.816  
lab\*nch 0.5 0.5 0.816

relative Natural Colour (NC)  
lab\*lrj 0.047 0.15 -0.476  
lab\*tce 0.25 0.5 0.799  
lab\*nce 0.5 0.5 b19r

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 72.1 15.76 -35.62  
LAB\*LABa 72.1 15.76 -35.62  
LAB\*TCHa 50.0 38.96 293.86

relative CIELAB lab\*  
lab\*lab 0.093 0.404 -0.913  
lab\*tch 0.5 1.0 0.816  
lab\*nch 0.0 1.0 0.816

relative Natural Colour (NC)  
lab\*lrj 0.093 0.301 -0.953  
lab\*tce 0.5 1.0 0.799  
lab\*nce 0.0 1.0 b19r

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG03/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?BAM-Registrierung: 20060101-NG03/10Q/Q03G04SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG03/ Form: 5/10, Serie: 1/1, Seite: 5  
Satzanz hlung 5

NG030-7, 3 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

3 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

BAM-Prüfvorlage NG03; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

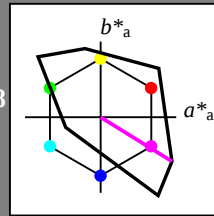
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data depend

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

für Buntton  $h^* = lab^*h = 328/360 = 0.912$   
 $lab^*ch$  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  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

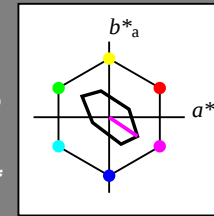
| TLS00; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <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          |              |

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

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

| 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 | 0.0 | -   |       |
| 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   | 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                          | 86.95 | 18.76 | -12.61 |       |
| LAB*LABa                         | 86.95 | 18.76 | -12.61 |       |
| LAB*TCa                          | 75.0  | 22.61 | 326.07 |       |
| relative CIELAB lab*             |       |       |        |       |
| lab*lab                          | 0.671 | 0.415 | -0.278 |       |
| lab*tch                          | 0.75  | 0.5   | 0.906  |       |
| lab*nch                          | 0.0   | 0.5   | 0.906  |       |
| relative Natural Colour (NC)     |       |       |        |       |
| lab*lrj                          | 0.671 | 0.341 | -0.365 |       |
| lab*tce                          | 0.75  | 0.5   | 0.869  |       |
| lab*nce                          | 0.0   | 0.5   | b47r   |       |

| 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                          | 78.5  | 37.51 | -25.22 |       |
| LAB*LABa                         | 78.5  | 37.51 | -25.22 |       |
| LAB*TCa                          | 50.0  | 45.21 | 326.07 |       |
| relative CIELAB lab*             |       |       |        |       |
| lab*lab                          | 0.342 | 0.83  | -0.557 |       |
| lab*tch                          | 0.5   | 1.0   | 0.906  |       |
| lab*nch                          | 0.0   | 1.0   | 0.906  |       |
| relative Natural Colour (NC)     |       |       |        |       |
| lab*lrj                          | 0.342 | 0.682 | -0.73  |       |
| lab*tce                          | 0.5   | 1.0   | 0.869  |       |
| lab*nce                          | 0.0   | 1.0   | b47r   |       |

| 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                          | 69.7 | 0.0 | 0.0 |       |
| LAB*LABa                         | 69.7 | 0.0 | 0.0 |       |
| LAB*TCa                          | 0.01 | 0.0 | -   |       |
| 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   | 0.5    | (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                          | 74.1  | 18.76 | -12.61 |       |
| LAB*LABa                         | 74.1  | 18.76 | -12.61 |       |
| LAB*TCa                          | 25.01 | 22.61 | 326.07 |       |
| relative CIELAB lab*             |       |       |        |       |
| lab*lab                          | 0.171 | 0.415 | -0.278 |       |
| lab*tch                          | 0.25  | 0.5   | 0.906  |       |
| lab*nch                          | 0.5   | 0.5   | 0.906  |       |
| relative Natural Colour (NC)     |       |       |        |       |
| lab*lrj                          | 0.171 | 0.341 | -0.365 |       |
| lab*tce                          | 0.25  | 0.5   | 0.869  |       |
| lab*nce                          | 0.5   | 0.5   | b47r   |       |

| 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                          | 78.5  | 37.51 | -25.22 |       |
| LAB*LABa                         | 78.5  | 37.51 | -25.22 |       |
| LAB*TCa                          | 50.0  | 45.21 | 326.07 |       |
| relative CIELAB lab*             |       |       |        |       |
| lab*lab                          | 0.342 | 0.83  | -0.557 |       |
| lab*tch                          | 0.5   | 1.0   | 0.906  |       |
| lab*nch                          | 0.0   | 1.0   | 0.906  |       |
| relative Natural Colour (NC)     |       |       |        |       |
| lab*lrj                          | 0.342 | 0.682 | -0.73  |       |
| lab*tce                          | 0.5   | 1.0   | 0.869  |       |
| lab*nce                          | 0.0   | 1.0   | b47r   |       |

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG03/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG03/10Q/Q03G05SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG03/ Form: 6/10, Serie: 1/1, Seite: 6  
Satzanz hlung 6

NG030-7, 3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

3 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

BAM-Prüfvorlage NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

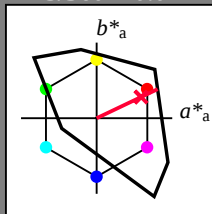
### Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

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

$lab^*tch$  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          |              |

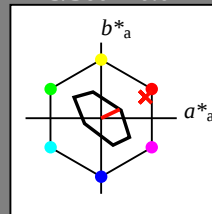
### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

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

$lab^*tch$  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          |              |

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 0.0 -

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 82.56 0.0 0.0  
LAB\*LABa 82.56 0.0 0.0  
LAB\*TCHa 50.0 0.0 -

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 69.7 0.0 0.0  
LAB\*LABa 69.7 0.0 0.0  
LAB\*TCHa 0.01 0.0 -

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 0.523 0.5 (1.0)  
cmyn3\* 0.0 0.477 0.5 (0.0)  
olvi4\* 1.0 0.523 0.5 1.0  
cmyn4\* 0.0 0.477 0.5 0.0

standard and adapted CIELAB  
LAB\*LAB 86.33 12.27 5.85  
LAB\*LABa 86.33 12.27 5.85  
LAB\*TCHa 75.0 13.59 25.48

relative CIELAB lab\*  
lab\*lab 0.647 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 0.647 0.5 0.0  
lab\*tce 0.75 0.5 0.0  
lab\*nce 0.0 0.5 0.071

relative Inform. Technology (IT)  
olvi3\* 0.5 0.023 0.0 (1.0)  
cmyn3\* 0.5 0.977 1.0 (0.0)  
olvi4\* 1.0 0.523 0.5 0.5  
cmyn4\* 0.0 0.477 0.5 0.5

standard and adapted CIELAB  
LAB\*LAB 73.47 12.27 5.84  
LAB\*LABa 73.47 12.27 5.84  
LAB\*TCHa 25.01 13.59 25.46

relative CIELAB lab\*  
lab\*lab 0.147 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 0.147 0.5 0.0  
lab\*tce 0.25 0.5 1.0  
lab\*nce 0.5 0.5 0.071

relative Inform. Technology (IT)  
olvi3\* 1.0 0.047 0.0 (1.0)  
cmyn3\* 0.0 0.953 1.0 (0.0)  
olvi4\* 1.0 0.047 0.0 1.0  
cmyn4\* 0.0 0.953 1.0 0.0

standard and adapted CIELAB  
LAB\*LAB 77.25 24.54 11.69  
LAB\*LABa 77.25 24.54 11.69  
LAB\*TCHa 50.0 27.18 25.47

relative CIELAB lab\*  
lab\*lab 0.294 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 0.294 1.0 0.0  
lab\*tce 0.5 1.0 1.0  
lab\*nce 0.0 1.0 0.071

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG03/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG03/10Q/Q03G06SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG03/ Form: 7/10, Serie: 1/1, Seite: 7  
Satzanz hlung 7

NG030-7, 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 NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

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

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

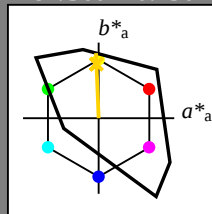
$lab^*ch$  und  $lab^*nch$

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          |

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

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

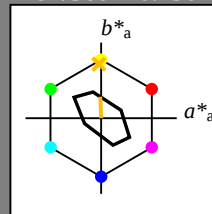
$lab^*ch$  und  $lab^*nch$

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          |

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 0.0 -

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 82.56 0.0 0.0  
LAB\*LABa 82.56 0.0 0.0  
LAB\*TCHa 50.0 0.0 -

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 69.7 0.0 0.0  
LAB\*LABa 69.7 0.0 0.0  
LAB\*TCHa 0.01 0.0 -

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 0.87 0.5 (1.0)  
cmyn3\* 0.0 0.13 0.5 (0.0)  
olvi4\* 1.0 0.87 0.5 1.0  
cmyn4\* 0.0 0.13 0.5 0.0

standard and adapted CIELAB  
LAB\*LAB 92.4 -0.57 14.19  
LAB\*LABa 92.4 -0.57 14.19  
LAB\*TCHa 75.0 14.2 92.32

relative CIELAB lab\*  
lab\*lab 0.883 -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 0.883 0.0 0.5  
lab\*tce 0.75 0.5 0.25  
lab\*nce 0.0 0.5 0.00g

relative Inform. Technology (IT)  
olvi3\* 0.5 0.37 0.0 (1.0)  
cmyn3\* 0.5 0.63 1.0 (0.0)  
olvi4\* 1.0 0.87 0.5 0.5  
cmyn4\* 0.0 0.13 0.5 0.5

standard and adapted CIELAB  
LAB\*LAB 79.54 -0.56 14.19  
LAB\*LABa 79.54 -0.56 14.19  
LAB\*TCHa 25.01 14.2 92.31

relative CIELAB lab\*  
lab\*lab 0.383 -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 0.383 0.0 0.5  
lab\*tce 0.25 0.5 0.25  
lab\*nce 0.5 0.5 0.00g

relative Inform. Technology (IT)  
olvi3\* 1.0 0.74 0.0 (1.0)  
cmyn3\* 0.0 0.26 1.0 (0.0)  
olvi4\* 1.0 0.74 0.0 1.0  
cmyn4\* 0.0 0.26 1.0 0.0

standard and adapted CIELAB  
LAB\*LAB 89.38 -1.14 28.37  
LAB\*LABa 89.38 -1.14 28.37  
LAB\*TCHa 50.0 28.4 92.32

relative CIELAB lab\*  
lab\*lab 0.766 -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 0.766 0.0 1.0  
lab\*tce 0.5 1.0 0.25  
lab\*nce 0.0 1.0 0.00g

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG03/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG03/10Q/Q03G07SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG03/ Form: 8/10, Serie: 1/1, Set: 8  
Satzzeichnung 8

NG030-7, 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 NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

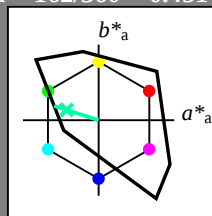
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

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

für Buntton  $h^* = lab^*h = 162/360 = 0.451$   
 $lab^*tch$  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  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

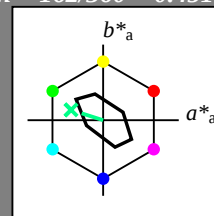
| TLS00; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <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          |

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

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

**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 0.0 -  
**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 -

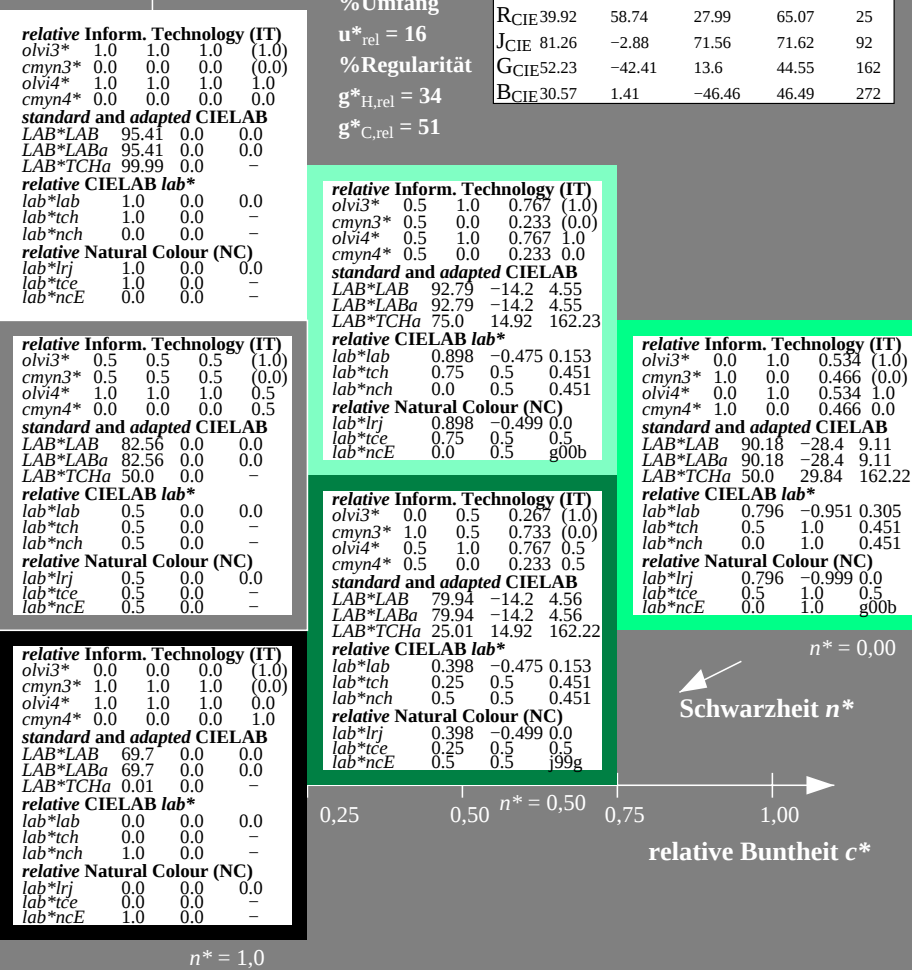
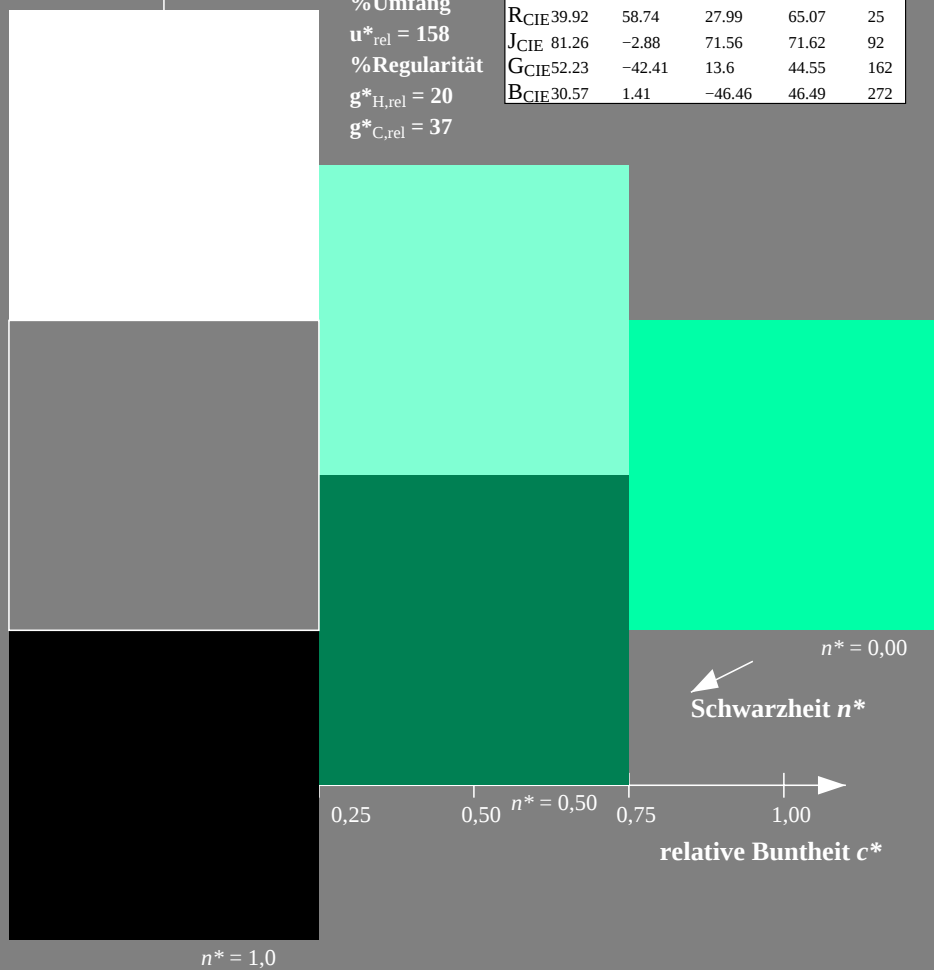
**relative Inform. Technology (IT)**  
olvi3\* 0.5 1.0 0.767 (1.0)  
cmyn3\* 0.5 0.0 0.233 (0.0)  
olvi4\* 0.5 1.0 0.767 1.0  
cmyn4\* 0.5 0.0 0.233 0.0  
**standard and adapted CIELAB**  
LAB\*LAB 92.79 -14.2 4.55  
LAB\*LABa 92.79 -14.2 4.55  
LAB\*TCHa 75.0 14.92 162.23  
**relative CIELAB lab\***  
lab\*lab 0.898 -0.475 0.153  
lab\*tch 0.75 0.5 0.451  
lab\*nch 0.0 0.5 0.451  
**relative Natural Colour (NC)**  
lab\*lrj 0.898 -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 1.0 0.534 (1.0)  
cmyn3\* 1.0 0.0 0.466 (0.0)  
olvi4\* 0.0 1.0 0.534 1.0  
cmyn4\* 1.0 0.0 0.466 0.0  
**standard and adapted CIELAB**  
LAB\*LAB 90.18 -28.4 9.11  
LAB\*LABa 90.18 -28.4 9.11  
LAB\*TCHa 50.0 29.84 162.22  
**relative CIELAB lab\***  
lab\*lab 0.796 -0.951 0.305  
lab\*tch 0.5 1.0 0.451  
lab\*nch 0.0 1.0 0.451  
**relative Natural Colour (NC)**  
lab\*lrj 0.796 -0.999 0.0  
lab\*tce 0.5 1.0 0.5  
lab\*nce 0.0 1.0 g00b

**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 82.56 0.0 0.0  
LAB\*LABa 82.56 0.0 0.0  
LAB\*TCHa 50.0 0.0 -  
**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 0.5 0.267 (1.0)  
cmyn3\* 1.0 0.5 0.733 (0.0)  
olvi4\* 0.5 1.0 0.767 0.5  
cmyn4\* 0.5 0.0 0.233 0.5  
**standard and adapted CIELAB**  
LAB\*LAB 79.94 -14.2 4.56  
LAB\*LABa 79.94 -14.2 4.56  
LAB\*TCHa 25.01 14.92 162.22  
**relative CIELAB lab\***  
lab\*lab 0.398 -0.475 0.153  
lab\*tch 0.25 0.5 0.451  
lab\*nch 0.5 0.5 0.451  
**relative Natural Colour (NC)**  
lab\*lrj 0.398 -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 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 69.7 0.0 0.0  
LAB\*LABa 69.7 0.0 0.0  
LAB\*TCHa 0.01 0.0 -  
**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 -



NG030-7, 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 NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

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

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

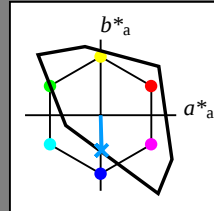
$lab^*tch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 65 49 272

olv\*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit  $t^*$



| 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          |

%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

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

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

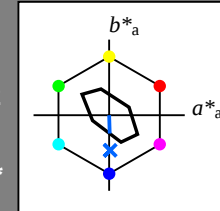
$lab^*tch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 80 24 272

olv\*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit  $t^*$



| 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          |

%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

| 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 | 0.0 | -   |       |  |
| 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   | 0.699 | 1.0    | (1.0) |  |
| cmyn3*                           | 0.5   | 0.301 | 0.0    | (0.0) |  |
| olvi4*                           | 0.5   | 0.699 | 1.0    | 1.0   |  |
| cmyn4*                           | 0.5   | 0.301 | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 87.5  | 0.37  | -12.12 |       |  |
| LAB*LABa                         | 87.5  | 0.37  | -12.12 |       |  |
| LAB*TCHa                         | 75.0  | 12.13 | 271.73 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.693 | 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                          | 0.693 | 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   | 0.398 | 1.0    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.602 | 0.0    | (0.0) |  |
| olvi4*                           | 0.0   | 0.398 | 1.0    | 1.0   |  |
| cmyn4*                           | 1.0   | 0.602 | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 79.6  | 0.74  | -24.25 |       |  |
| LAB*LABa                         | 79.6  | 0.74  | -24.25 |       |  |
| LAB*TCHa                         | 50.0  | 24.27 | 271.74 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.385 | 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                          | 0.385 | 0.0   | -0.999 |       |  |
| lab*tce                          | 0.5   | 1.0   | 0.75   |       |  |
| lab*nce                          | 0.0   | 1.0   | b00r   |       |  |

| 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                          | 82.56 | 0.0 | 0.0 |       |  |
| LAB*LABa                         | 82.56 | 0.0 | 0.0 |       |  |
| LAB*TCHa                         | 50.0  | 0.0 | -   |       |  |
| 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                          | 69.7 | 0.0 | 0.0 |       |  |
| LAB*LABa                         | 69.7 | 0.0 | 0.0 |       |  |
| LAB*TCHa                         | 0.01 | 0.0 | -   |       |  |
| 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   | 0.199 | 0.5    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.801 | 0.5    | (0.0) |  |
| olvi4*                           | 0.5   | 0.699 | 1.0    | 0.5   |  |
| cmyn4*                           | 0.5   | 0.301 | 0.0    | 0.5   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 74.65 | 0.37  | -12.12 |       |  |
| LAB*LABa                         | 74.65 | 0.37  | -12.12 |       |  |
| LAB*TCHa                         | 25.01 | 12.14 | 271.75 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.193 | 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                          | 0.193 | 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   | 0.398 | 1.0    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.602 | 0.0    | (0.0) |  |
| olvi4*                           | 0.0   | 0.398 | 1.0    | 1.0   |  |
| cmyn4*                           | 1.0   | 0.602 | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 79.6  | 0.74  | -24.25 |       |  |
| LAB*LABa                         | 79.6  | 0.74  | -24.25 |       |  |
| LAB*TCHa                         | 50.0  | 24.27 | 271.74 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.385 | 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                          | 0.385 | 0.0   | -0.999 |       |  |
| lab*tce                          | 0.5   | 1.0   | 0.75   |       |  |
| lab*nce                          | 0.0   | 1.0   | b00r   |       |  |

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG03/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG03/10Q/Q03G09SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG03/ Form: 10105 Serie: 1/1, Seite: 10  
Satzanzahlung 10

NG030-7, 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 NG03; Farbmétrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend