

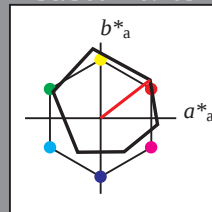
### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

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

D65: Buntton O  
LCH\*Ma: 48 83 38  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

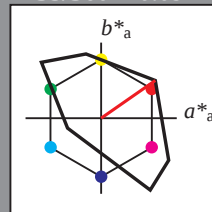
### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

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

D65: Buntton O  
LCH\*Ma: 53 87 35  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>  | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>  | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>  | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>  | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>  | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 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   | 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                          | 74.08 | 35.81 | 24.94 |       |
| LAB*LABa                         | 74.08 | 35.81 | 24.94 |       |
| LAB*TCa                          | 75.0  | 43.63 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.724 | 0.41  | 0.286 |       |
| lab*tch                          | 0.75  | 0.5   | 0.097 |       |
| lab*nch                          | 0.0   | 0.5   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.724 | 0.488 | 0.109 |       |
| lab*tce                          | 0.75  | 0.5   | 0.035 |       |
| lab*nce                          | 0.0   | 0.5   | r14j  |       |

| 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                          | 52.76 | 71.62 | 49.87 |       |
| LAB*LABa                         | 52.76 | 71.62 | 49.87 |       |
| LAB*TCa                          | 50.0  | 87.27 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.449 | 0.82  | 0.571 |       |
| lab*tch                          | 0.5   | 1.0   | 0.097 |       |
| lab*nch                          | 0.0   | 1.0   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.449 | 0.976 | 0.218 |       |
| lab*tce                          | 0.5   | 1.0   | 0.035 |       |
| lab*nce                          | 0.0   | 1.0   | r14j  |       |

| 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                          | 35.39 | 35.81 | 24.94 |       |
| LAB*LABa                         | 35.39 | 35.81 | 24.94 |       |
| LAB*TCa                          | 25.01 | 43.63 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.225 | 0.41  | 0.286 |       |
| lab*tch                          | 0.25  | 0.5   | 0.097 |       |
| lab*nch                          | 0.5   | 0.5   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.225 | 0.488 | 0.109 |       |
| lab*tce                          | 0.25  | 0.5   | 0.035 |       |
| lab*nce                          | 0.5   | 0.5   | r14j  |       |

| 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                          | 52.76 | 71.62 | 49.87 |       |
| LAB*LABa                         | 52.76 | 71.62 | 49.87 |       |
| LAB*TCa                          | 50.0  | 87.27 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.449 | 0.82  | 0.571 |       |
| lab*tch                          | 0.5   | 1.0   | 0.097 |       |
| lab*nch                          | 0.0   | 1.0   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.449 | 0.976 | 0.218 |       |
| lab*tce                          | 0.5   | 1.0   | 0.035 |       |
| lab*nce                          | 0.0   | 1.0   | r14j  |       |

| 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                          | 35.39 | 35.81 | 24.94 |       |
| LAB*LABa                         | 35.39 | 35.81 | 24.94 |       |
| LAB*TCa                          | 25.01 | 43.63 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.225 | 0.41  | 0.286 |       |
| lab*tch                          | 0.25  | 0.5   | 0.097 |       |
| lab*nch                          | 0.5   | 0.5   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.225 | 0.488 | 0.109 |       |
| lab*tce                          | 0.25  | 0.5   | 0.035 |       |
| lab*nce                          | 0.5   | 0.5   | r14j  |       |

| 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                          | 52.76 | 71.62 | 49.87 |       |
| LAB*LABa                         | 52.76 | 71.62 | 49.87 |       |
| LAB*TCa                          | 50.0  | 87.27 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.449 | 0.82  | 0.571 |       |
| lab*tch                          | 0.5   | 1.0   | 0.097 |       |
| lab*nch                          | 0.0   | 1.0   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.449 | 0.976 | 0.218 |       |
| lab*tce                          | 0.5   | 1.0   | 0.035 |       |
| lab*nce                          | 0.0   | 1.0   | r14j  |       |

| 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                          | 35.39 | 35.81 | 24.94 |       |
| LAB*LABa                         | 35.39 | 35.81 | 24.94 |       |
| LAB*TCa                          | 25.01 | 43.63 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.225 | 0.41  | 0.286 |       |
| lab*tch                          | 0.25  | 0.5   | 0.097 |       |
| lab*nch                          | 0.5   | 0.5   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.225 | 0.488 | 0.109 |       |
| lab*tce                          | 0.25  | 0.5   | 0.035 |       |
| lab*nce                          | 0.5   | 0.5   | r14j  |       |

| 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                          | 52.76 | 71.62 | 49.87 |       |
| LAB*LABa                         | 52.76 | 71.62 | 49.87 |       |
| LAB*TCa                          | 50.0  | 87.27 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.449 | 0.82  | 0.571 |       |
| lab*tch                          | 0.5   | 1.0   | 0.097 |       |
| lab*nch                          | 0.0   | 1.0   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.449 | 0.976 | 0.218 |       |
| lab*tce                          | 0.5   | 1.0   | 0.035 |       |
| lab*nce                          | 0.0   | 1.0   | r14j  |       |

| 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                          | 35.39 | 35.81 | 24.94 |       |
| LAB*LABa                         | 35.39 | 35.81 | 24.94 |       |
| LAB*TCa                          | 25.01 | 43.63 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.225 | 0.41  | 0.286 |       |
| lab*tch                          | 0.25  | 0.5   | 0.097 |       |
| lab*nch                          | 0.5   | 0.5   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.225 | 0.488 | 0.109 |       |
| lab*tce                          | 0.25  | 0.5   | 0.035 |       |
| lab*nce                          | 0.5   | 0.5   | r14j  |       |

| 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                          | 52.76 | 71.62 | 49.87 |       |
| LAB*LABa                         | 52.76 | 71.62 | 49.87 |       |
| LAB*TCa                          | 50.0  | 87.27 | 34.85 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.449 | 0.82  | 0.571 |       |
| lab*tch                          | 0.5   | 1.0   | 0.097 |       |
| lab*nch                          | 0.0   | 1.0   | 0.097 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.449 | 0.976 | 0.218 |       |
| lab*tce                          | 0.5   | 1.0   | 0.035 |       |
| lab*nce                          | 0.0   | 1.0   | r14j  |       |

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input:  $cmv0^* setcmykcolor$

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmv0^* / 000n^* setcmykcolor$

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG01/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG01/10L/L01G00FP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/OG01/ Form: 1/10, Serie: 1/1, Seite: 1  
Satzanzahlung 1

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 96/360 = 0.268$

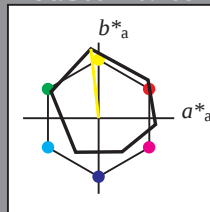
$lab^*tch$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab^*h = 103/360 = 0.287$

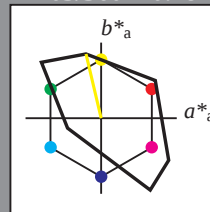
$lab^*tch$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 93 87 103

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>  | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>  | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>  | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>  | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>  | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 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 56.72 0.0 0.0  
LAB\*LABa 56.72 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 18.03 0.0 0.0  
LAB\*LABa 18.03 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 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 94.07 -10.0 42.48  
LAB\*LABa 94.07 -10.0 42.48  
LAB\*TCa 75.0 43.64 103.26

relative CIELAB lab\*  
lab\*lab 0.983 -0.114 0.487  
lab\*tch 0.75 0.5 0.287  
lab\*nch 0.0 0.5 0.287

relative Natural Colour (NC)  
lab\*lrj 0.983 -0.121 0.485  
lab\*tce 0.75 0.5 0.289  
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 55.38 -10.0 42.48  
LAB\*LABa 55.38 -10.0 42.48  
LAB\*TCa 25.01 43.64 103.26

relative CIELAB lab\*  
lab\*lab 0.483 -0.114 0.487  
lab\*tch 0.25 0.5 0.287  
lab\*nch 0.5 0.5 0.287

relative Natural Colour (NC)  
lab\*lrj 0.483 -0.121 0.485  
lab\*tce 0.25 0.5 0.289  
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 92.73 -20.02 84.95  
LAB\*LABa 92.73 -20.02 84.95  
LAB\*TCa 50.0 87.28 103.26

relative CIELAB lab\*  
lab\*lab 0.965 -0.228 0.973  
lab\*tch 0.5 1.0 0.287  
lab\*nch 0.0 1.0 0.287

relative Natural Colour (NC)  
lab\*lrj 0.965 -0.243 0.97  
lab\*tce 0.5 1.0 0.289  
lab\*nce 0.0 1.0 j15g

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG01/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG01/10L/L01G01FP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/OG01/ Form: 2/10, Serie: 1/1, Seite: 2  
Satzanzahlung 2

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input:  $cmv0^* setcmykcolor$

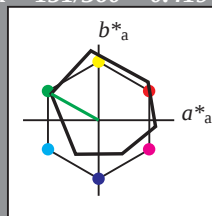
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmv0^* / 000n^* setcmykcolor$

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*ch$  und  $lab^*nch$

D65: Buntton L  
LCH\*Ma: 51 72 151  
olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



#### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

%Umfang

$u^*_{rel} = 93$

%Regularität

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

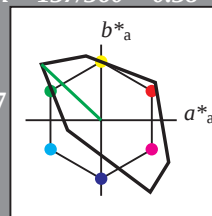
$g^*_{C,rel} = 59$

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab^*h = 137/360 = 0.38$   
 $lab^*ch$  und  $lab^*nch$

D65: Buntton L  
LCH\*Ma: 84 108 137  
olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



#### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>  | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>  | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>  | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>  | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>  | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 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

$u^*_{rel} = 118$

%Regularität

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

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

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 56.72 0.0 0.0  
LAB\*LABa 56.72 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 18.03 0.0 0.0  
LAB\*LABa 18.03 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\* 0.5 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 89.7 -39.48 36.96  
LAB\*LABa 89.7 -39.48 36.96  
LAB\*TCa 75.0 54.09 136.89

relative CIELAB lab\*  
lab\*lab 0.926 -0.364 0.342  
lab\*tch 0.75 0.5 0.38  
lab\*nch 0.0 0.5 0.38

relative Natural Colour (NC)  
lab\*lrj 0.926 -0.42 0.269  
lab\*tce 0.75 0.5 0.409  
lab\*nce 0.0 0.5 163g

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 51.01 -39.48 36.96  
LAB\*LABa 51.01 -39.48 36.96  
LAB\*TCa 25.01 54.09 136.89

relative CIELAB lab\*  
lab\*lab 0.426 -0.364 0.342  
lab\*tch 0.25 0.5 0.38  
lab\*nch 0.5 0.5 0.38

relative Natural Colour (NC)  
lab\*lrj 0.426 -0.42 0.269  
lab\*tce 0.25 0.5 0.409  
lab\*nce 0.5 0.5 163g

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 83.99 -78.96 73.93  
LAB\*LABa 83.99 -78.96 73.93  
LAB\*TCa 50.0 108.18 136.89

relative CIELAB lab\*  
lab\*lab 0.853 -0.729 0.683  
lab\*tch 0.5 1.0 0.38  
lab\*nch 0.0 1.0 0.38

relative Natural Colour (NC)  
lab\*lrj 0.853 -0.841 0.539  
lab\*tce 0.5 1.0 0.409  
lab\*nce 0.0 1.0 163g

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG01/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG01/10L/L01G02FP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/OG01/ Form: 3/0, Serie: 1/1, Seite: 3  
Scheinung 3

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

3 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input: `cmv0* setcmvcolor`

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmv0* / 000n* setcmvcolor`

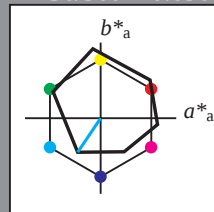
### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = \text{lab}^*h = 236/360 = 0.656$

$\text{lab}^*ch$  und  $\text{lab}^*nch$

D65: Buntton C  
LCH\*Ma: 59 54 236  
olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

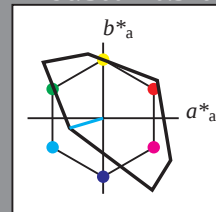
### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = \text{lab}^*h = 196/360 = 0.546$

$\text{lab}^*ch$  und  $\text{lab}^*nch$

D65: Buntton C  
LCH\*Ma: 87 46 196  
olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>  | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>  | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>  | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>  | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>  | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 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

$u^*_{rel} = 118$

%Regularität

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

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

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 56.72 0.0 0.0  
LAB\*LABa 56.72 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 18.03 0.0 0.0  
LAB\*LABa 18.03 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 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 91.27 -22.2 -6.55  
LAB\*LABa 91.27 -22.2 -6.55  
LAB\*TCHa 75.0 23.15 196.46

relative CIELAB lab\*  
lab\*lab 0.946 -0.478 -0.141  
lab\*tch 0.75 0.5 0.546  
lab\*nch 0.0 0.5 0.546

relative Natural Colour (NC)  
lab\*lrj 0.946 -0.44 -0.235  
lab\*tce 0.75 0.5 0.578  
lab\*nce 0.0 0.5 g31b

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 52.58 -22.2 -6.55  
LAB\*LABa 52.58 -22.2 -6.55  
LAB\*TCHa 25.01 23.15 196.46

relative CIELAB lab\*  
lab\*lab 0.447 -0.478 -0.141  
lab\*tch 0.25 0.5 0.546  
lab\*nch 0.5 0.5 0.546

relative Natural Colour (NC)  
lab\*lrj 0.447 -0.44 -0.235  
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 87.13 -44.4 -13.11  
LAB\*LABa 87.13 -44.4 -13.11  
LAB\*TCHa 50.0 46.31 196.46

relative CIELAB lab\*  
lab\*lab 0.893 -0.958 -0.282  
lab\*tch 0.5 1.0 0.546  
lab\*nch 0.0 1.0 0.546

relative Natural Colour (NC)  
lab\*lrj 0.893 -0.881 -0.47  
lab\*tce 0.5 1.0 0.578  
lab\*nce 0.0 1.0 g31b

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG01/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG01/10L/L01G03FP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/OG01/ Form: 4/10, Serie: 1/1, Seite: 4  
Satzanz hlung 4

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input: `cmv0* setcmvcolor`

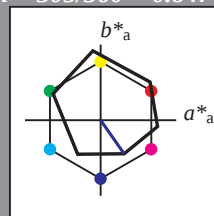
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmv0* / 000n* setcmvcolor`

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 305/360 = 0.847$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton V  
LCH\*Ma: 26 54 305  
olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

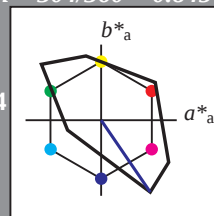
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>                | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>                | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>                | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>                | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>               | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub>               | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub>               | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub>               | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab^*h = 304/360 = 0.845$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton V  
LCH\*Ma: 35 115 304  
olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

| TLS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>                | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>                | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>                | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>                | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>                | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>               | 39.92       | 58.74   | 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 56.72 0.0 0.0  
LAB\*LABa 56.72 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 18.03 0.0 0.0  
LAB\*LABa 18.03 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 65.44 32.45 -47.52  
LAB\*LABa 65.44 32.45 -47.52  
LAB\*TCHa 75.0 57.55 304.33

relative CIELAB lab\*  
lab\*lab 0.613 0.282 -0.412  
lab\*tch 0.75 0.5 0.845  
lab\*nch 0.0 0.5 0.845

relative Natural Colour (NC)  
lab\*lrj 0.613 0.217 -0.449  
lab\*tce 0.75 0.5 0.822  
lab\*nce 0.0 0.5 b28r

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 26.75 32.45 -47.52  
LAB\*LABa 26.75 32.45 -47.52  
LAB\*TCHa 25.01 57.55 304.33

relative CIELAB lab\*  
lab\*lab 0.113 0.282 -0.412  
lab\*tch 0.25 0.5 0.845  
lab\*nch 0.5 0.5 0.845

relative Natural Colour (NC)  
lab\*lrj 0.113 0.217 -0.449  
lab\*tce 0.25 0.5 0.822  
lab\*nce 0.5 0.5 b28r

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 35.47 64.91 -95.04  
LAB\*LABa 35.47 64.91 -95.04  
LAB\*TCHa 50.0 115.1 304.33

relative CIELAB lab\*  
lab\*lab 0.226 0.564 -0.825  
lab\*tch 0.5 1.0 0.845  
lab\*nch 0.0 1.0 0.845

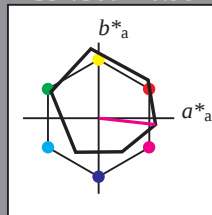
relative Natural Colour (NC)  
lab\*lrj 0.226 0.435 -0.899  
lab\*tce 0.5 1.0 0.822  
lab\*nce 0.0 1.0 b28r

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 354/360 = 0.982$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton M  
LCH\*Ma: 48 76 354  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

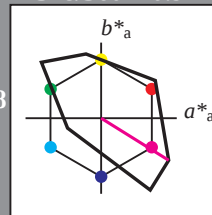
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>                | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>                | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>                | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>                | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>               | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub>               | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub>               | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub>               | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton  $h^* = lab^*h = 328/360 = 0.911$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton M  
LCH\*Ma: 59 105 328  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

| TLS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>                | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>                | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>                | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>                | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>                | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>               | 39.92       | 58.74   | 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 56.72 0.0 0.0  
LAB\*LABa 56.72 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 18.03 0.0 0.0  
LAB\*LABa 18.03 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 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 77.21 44.66 -27.82  
LAB\*LABa 77.21 44.66 -27.82  
LAB\*TCa 75.0 52.62 328.06

relative CIELAB lab\*  
lab\*lab 0.765 0.424 -0.263  
lab\*tch 0.75 0.5 0.911  
lab\*nch 0.0 0.5 0.911

relative Natural Colour (NC)  
lab\*lrj 0.765 0.351 -0.355  
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 38.51 44.66 -27.82  
LAB\*LABa 38.51 44.66 -27.82  
LAB\*TCa 25.01 52.62 328.06

relative CIELAB lab\*  
lab\*lab 0.265 0.424 -0.263  
lab\*tch 0.25 0.5 0.911  
lab\*nch 0.5 0.5 0.911

relative Natural Colour (NC)  
lab\*lrj 0.265 0.351 -0.355  
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 59.01 89.31 -55.66  
LAB\*LABa 59.01 89.31 -55.66  
LAB\*TCa 50.0 105.24 328.06

relative CIELAB lab\*  
lab\*lab 0.53 0.848 -0.528  
lab\*tch 0.5 1.0 0.911  
lab\*nch 0.0 1.0 0.911

relative Natural Colour (NC)  
lab\*lrj 0.53 0.702 -0.711  
lab\*tce 0.5 1.0 0.874  
lab\*nce 0.0 1.0 b49r

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG01/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG01/10L/L01G05FP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/OG01/ Form: 6/10, Serie: 1/1, Seite: 6  
Satzanzahlung 6

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input: `cmv0* setcmvcolor`

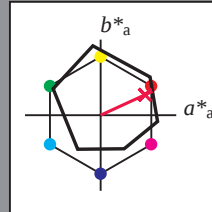
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmv0* / 000n* setcmvcolor`

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 25/360 = 0.069$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton R  
LCH\*Ma: 48 75 25  
olv\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

### ORS18; adaptierte CIELAB-Daten

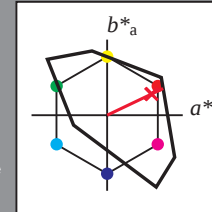
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton R  
LCH\*Ma: 54 82 25  
olv\*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

### TLS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>  | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>  | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>  | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>  | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>  | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 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 56.72 0.0 0.0  
LAB\*LABa 56.72 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 18.03 0.0 0.0  
LAB\*LABa 18.03 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 0.569 (1.0)  
cmyn3\* 0.0 0.5 0.431 (0.0)  
olvi4\* 1.0 0.5 0.569 1.0  
cmyn4\* 0.0 0.5 0.431 0.0

standard and adapted CIELAB  
LAB\*LAB 74.51 37.03 17.64  
LAB\*LABa 74.51 37.03 17.64  
LAB\*TCHa 75.0 41.02 25.48

relative CIELAB lab\*  
lab\*lab 0.73 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 0.73 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 0.069 (1.0)  
cmyn3\* 0.5 1.0 0.931 (0.0)  
olvi4\* 1.0 0.5 0.569 0.5  
cmyn4\* 0.0 0.5 0.431 0.5

standard and adapted CIELAB  
LAB\*LAB 35.82 37.03 17.65  
LAB\*LABa 35.82 37.03 17.65  
LAB\*TCHa 25.01 41.02 25.49

relative CIELAB lab\*  
lab\*lab 0.23 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 0.23 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 0.138 (1.0)  
cmyn3\* 0.0 1.0 0.862 (0.0)  
olvi4\* 1.0 0.0 0.138 1.0  
cmyn4\* 0.0 1.0 0.862 0.0

standard and adapted CIELAB  
LAB\*LAB 53.62 74.06 35.3  
LAB\*LABa 53.62 74.06 35.3  
LAB\*TCHa 50.0 82.04 25.48

relative CIELAB lab\*  
lab\*lab 0.46 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 0.46 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/OG01/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG01/10L/L01G06FP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/OG01/ Form: 7/10, Serie: 1/1, Seite: 7  
Satzanzahlung 7

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input: `cmv0* setcmvcolor`

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmv0* / 000n* setcmvcolor`

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 92/360 = 0.255$

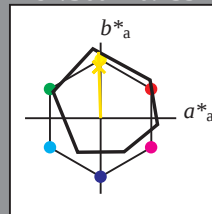
$lab^*ch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

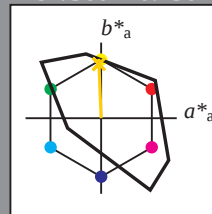
$lab^*ch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 85 79 92

olv\*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

### TLS18; adaptierte CIELAB-Daten

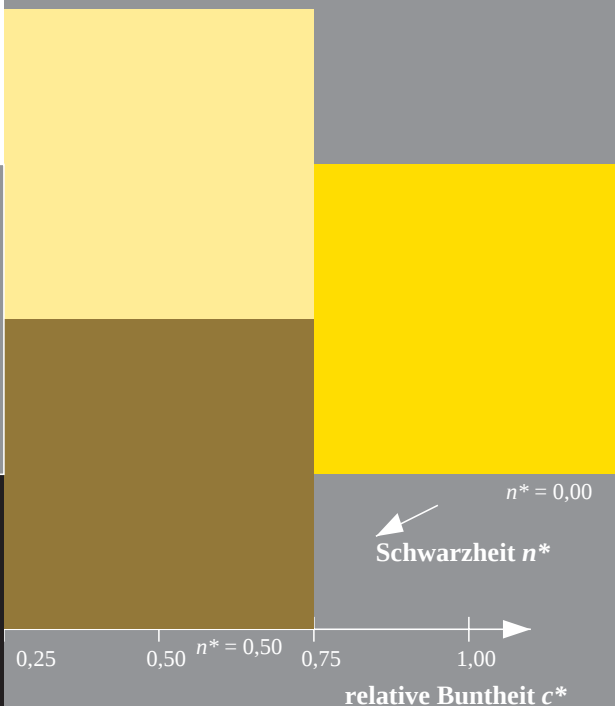
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>  | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>  | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>  | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>  | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>  | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 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   | 0.908 | 0.5 | (1.0) |
| cmyn3*                           | 0.0   | 0.092 | 0.5 | (0.0) |
| olvi4*                           | 1.0   | 0.908 | 0.5 | 1.0   |
| cmyn4*                           | 0.0   | 0.092 | 0.5 | 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*                           | 1.0   | 0.908  | 0.5   | (1.0) |
| cmyn3*                           | 0.0   | 0.092  | 0.5   | (0.0) |
| olvi4*                           | 1.0   | 0.908  | 0.5   | 1.0   |
| cmyn4*                           | 0.0   | 0.092  | 0.5   | 0.0   |
| standard and adapted CIELAB      |       |        |       |       |
| LAB*LAB                          | 90.39 | -1.58  | 39.25 |       |
| LAB*LABa                         | 90.39 | -1.58  | 39.25 |       |
| LAB*TCa                          | 75.0  | 39.29  | 92.32 |       |
| relative CIELAB lab*             |       |        |       |       |
| lab*lab                          | 0.935 | -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                          | 0.935 | 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   | 0.408  | 0.0   | (1.0) |
| cmyn3*                           | 0.5   | 0.592  | 1.0   | (0.0) |
| olvi4*                           | 1.0   | 0.908  | 0.5   | 0.5   |
| cmyn4*                           | 0.0   | 0.092  | 0.5   | 0.5   |
| standard and adapted CIELAB      |       |        |       |       |
| LAB*LAB                          | 51.7  | -1.57  | 39.25 |       |
| LAB*LABa                         | 51.7  | -1.57  | 39.25 |       |
| LAB*TCa                          | 25.01 | 39.28  | 92.31 |       |
| relative CIELAB lab*             |       |        |       |       |
| lab*lab                          | 0.435 | -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                          | 0.435 | 0.0    | 0.5   |       |
| lab*tce                          | 0.25  | 0.5    | 0.25  |       |
| lab*nce                          | 0.5   | 0.5    | j99j  |       |

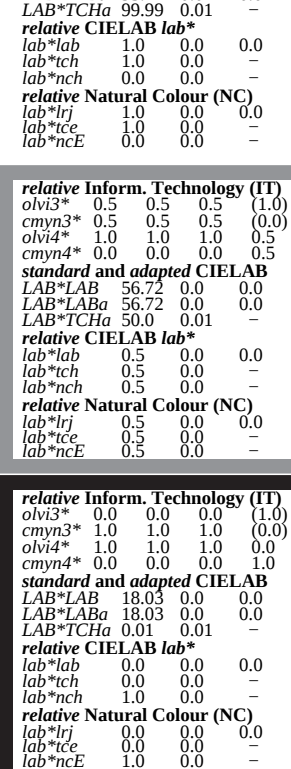
| relative Inform. Technology (IT) |       |        |       |       |
|----------------------------------|-------|--------|-------|-------|
| olvi3*                           | 1.0   | 0.816  | 0.0   | (1.0) |
| cmyn3*                           | 0.0   | 0.184  | 1.0   | (0.0) |
| olvi4*                           | 1.0   | 0.816  | 0.0   | 1.0   |
| cmyn4*                           | 0.0   | 0.184  | 1.0   | 0.0   |
| standard and adapted CIELAB      |       |        |       |       |
| LAB*LAB                          | 85.38 | -3.17  | 78.5  |       |
| LAB*LABa                         | 85.38 | -3.17  | 78.5  |       |
| LAB*TCa                          | 50.0  | 78.57  | 92.32 |       |
| relative CIELAB lab*             |       |        |       |       |
| lab*lab                          | 0.87  | -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                          | 0.87  | 0.0    | 1.0   |       |
| lab*tce                          | 0.5   | 1.0    | 0.25  |       |
| lab*nce                          | 0.0   | 1.0    | j00g  |       |



$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$



$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input:  $cmv0^* setcmykcolor$

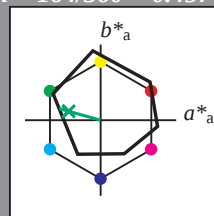
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmv0^* / 000n^* setcmykcolor$

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 164/360 = 0.457$   
 $lab^*ch$  und  $lab^*nch$

D65: Buntton G  
LCH\*Ma: 53 57 164  
olv\*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

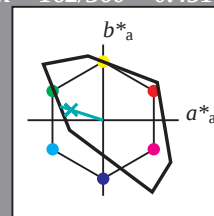
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>                | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>                | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>                | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>                | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>                | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>               | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub>               | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub>               | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub>               | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton G  
LCH\*Ma: 86 60 162  
olv\*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

| TLS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>                | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>                | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>                | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>                | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>                | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>Ma</sub>                | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>               | 39.92       | 58.74   | 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 56.72 0.0 0.0  
LAB\*LABa 56.72 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 18.03 0.0 0.0  
LAB\*LABa 18.03 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 0.82 (1.0)  
cmyn3\* 0.5 0.0 0.18 (0.0)  
olvi4\* 0.5 1.0 0.82 1.0  
cmyn4\* 0.5 0.0 0.18 0.0  
standard and adapted CIELAB  
LAB\*LAB 90.7 -28.42 9.11  
LAB\*LABa 90.7 -28.42 9.11  
LAB\*TCHa 75.0 29.85 162.23

relative CIELAB lab\*  
lab\*lab 0.939 -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 0.939 -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 0.32 (1.0)  
cmyn3\* 1.0 0.5 0.68 (0.0)  
olvi4\* 0.5 1.0 0.82 0.5  
cmyn4\* 0.5 0.0 0.18 0.5  
standard and adapted CIELAB  
LAB\*LAB 52.01 -28.42 9.12  
LAB\*LABa 52.01 -28.42 9.12  
LAB\*TCHa 25.01 29.86 162.22

relative CIELAB lab\*  
lab\*lab 0.439 -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 0.439 -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 0.64 (1.0)  
cmyn3\* 1.0 0.0 0.36 (0.0)  
olvi4\* 0.0 1.0 0.64 1.0  
cmyn4\* 1.0 0.0 0.36 0.0  
standard and adapted CIELAB  
LAB\*LAB 86.0 -56.85 18.23  
LAB\*LABa 86.0 -56.85 18.23  
LAB\*TCHa 50.0 59.71 162.23

relative CIELAB lab\*  
lab\*lab 0.878 -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 0.878 -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/OG01/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0, CIELAB

BAM-Registrierung: 20060101-OG01/10L/L01G08FP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/OG01/ Form: 9/10, Serie: 1/1, Seite: 9  
Satzanzahlung 9

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

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

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input: `cmv0* setcmvcolor`

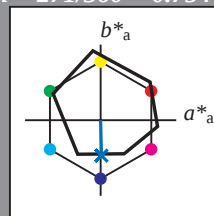
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: `cmv0* / 000n* setcmvcolor`

### Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 271/360 = 0.754$   
 $lab^*ch$  und  $lab^*nch$

D65: Buntton B  
LCH\*Ma: 42 45 271  
olv\*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

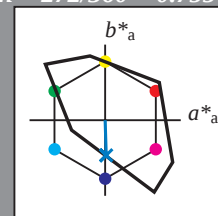
| ORS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| OMa 47.94                      | 65.39   | 50.52   | 82.63        | 38           |  |
| YMa 90.37                      | -10.26  | 91.75   | 92.32        | 96           |  |
| LMa 50.9                       | -62.83  | 34.96   | 71.91        | 151          |  |
| CMa 58.62                      | -30.34  | -45.01  | 54.3         | 236          |  |
| VMa 25.72                      | 31.1    | -44.4   | 54.22        | 305          |  |
| MMa 48.13                      | 75.28   | -8.36   | 75.74        | 354          |  |
| NMa 18.01                      | 0.0     | 0.0     | 0.0          | 0            |  |
| WMa 95.41                      | 0.0     | 0.0     | 0.0          | 0            |  |
| RCIE 39.92                     | 58.66   | 26.98   | 64.57        | 25           |  |
| JCIE 81.26                     | -2.16   | 67.76   | 67.79        | 92           |  |
| GCIE 52.23                     | -42.25  | 11.76   | 43.87        | 164          |  |
| BCIE 30.57                     | 1.15    | -46.84  | 46.86        | 271          |  |

### Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton B  
LCH\*Ma: 65 48 272  
olv\*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

| TLS18; adaptierte CIELAB-Daten |         |         |              |              |  |
|--------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| OMa 52.76                      | 71.63   | 49.88   | 87.29        | 35           |  |
| YMa 92.74                      | -20.02  | 84.97   | 87.3         | 103          |  |
| LMa 84.0                       | -78.98  | 73.94   | 108.2        | 137          |  |
| CMa 87.14                      | -44.41  | -13.11  | 46.32        | 196          |  |
| VMa 35.47                      | 64.92   | -95.06  | 115.12       | 304          |  |
| MMa 59.01                      | 89.33   | -55.67  | 105.26       | 328          |  |
| NMa 18.01                      | 0.0     | 0.0     | 0.0          | 0            |  |
| WMa 95.41                      | 0.0     | 0.0     | 0.0          | 0            |  |
| RCIE 39.92                     | 58.74   | 27.99   | 65.07        | 25           |  |
| JCIE 81.26                     | -2.88   | 71.56   | 71.62        | 92           |  |
| GCIE 52.23                     | -42.41  | 13.6    | 44.55        | 162          |  |
| BCIE 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  | -   |       |  |

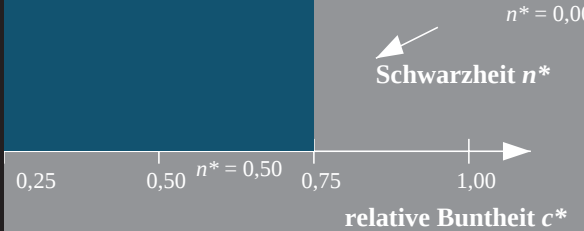
| relative Inform. Technology (IT) |       |       |        |       |  |
|----------------------------------|-------|-------|--------|-------|--|
| olvi3*                           | 0.5   | 0.79  | 1.0    | (1.0) |  |
| cmyn3*                           | 0.5   | 0.21  | 0.0    | (0.0) |  |
| olvi4*                           | 0.5   | 0.79  | 1.0    | 1.0   |  |
| cmyn4*                           | 0.5   | 0.21  | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 80.44 | 0.71  | -23.73 |       |  |
| LAB*LABa                         | 80.44 | 0.71  | -23.73 |       |  |
| LAB*TCa                          | 75.0  | 23.75 | 271.72 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.807 | 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                          | 0.807 | 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   | 0.581 | 1.0    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.419 | 0.0    | (0.0) |  |
| olvi4*                           | 0.0   | 0.581 | 1.0    | 1.0   |  |
| cmyn4*                           | 1.0   | 0.419 | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 65.47 | 1.44  | -47.47 |       |  |
| LAB*LABa                         | 65.47 | 1.44  | -47.47 |       |  |
| LAB*TCa                          | 50.0  | 47.5  | 271.74 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.613 | 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                          | 0.613 | 0.0   | -0.999 |       |  |
| lab*tce                          | 0.5   | 1.0   | 0.75   |       |  |
| lab*nce                          | 0.0   | 1.0   | g99b   |       |  |

| 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                          | 56.72 | 0.0  | 0.0 |       |  |
| LAB*LABa                         | 56.72 | 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  | -   |       |  |

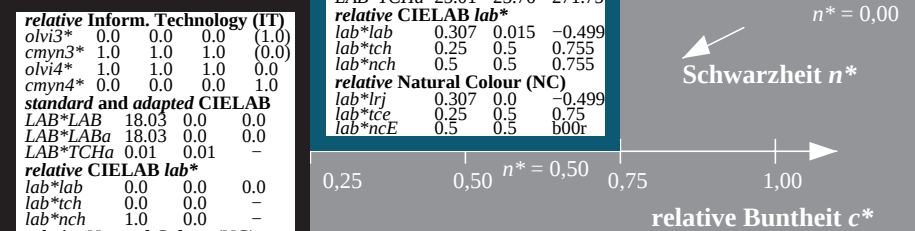
| relative Inform. Technology (IT) |       |       |        |       |  |
|----------------------------------|-------|-------|--------|-------|--|
| olvi3*                           | 0.0   | 0.29  | 0.5    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.71  | 0.5    | (0.0) |  |
| olvi4*                           | 0.5   | 0.79  | 1.0    | 0.5   |  |
| cmyn4*                           | 0.5   | 0.21  | 0.0    | 0.5   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 41.74 | 0.72  | -23.74 |       |  |
| LAB*LABa                         | 41.74 | 0.72  | -23.74 |       |  |
| LAB*TCa                          | 25.01 | 23.76 | 271.75 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.307 | 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                          | 0.307 | 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   | 0.581 | 1.0    | (1.0) |  |
| cmyn3*                           | 1.0   | 0.419 | 0.0    | (0.0) |  |
| olvi4*                           | 0.0   | 0.581 | 1.0    | 1.0   |  |
| cmyn4*                           | 1.0   | 0.419 | 0.0    | 0.0   |  |
| standard and adapted CIELAB      |       |       |        |       |  |
| LAB*LAB                          | 65.47 | 1.44  | -47.47 |       |  |
| LAB*LABa                         | 65.47 | 1.44  | -47.47 |       |  |
| LAB*TCa                          | 50.0  | 47.5  | 271.74 |       |  |
| relative CIELAB lab*             |       |       |        |       |  |
| lab*lab                          | 0.613 | 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                          | 0.613 | 0.0   | -0.999 |       |  |
| lab*tce                          | 0.5   | 1.0   | 0.75   |       |  |
| lab*nce                          | 0.0   | 1.0   | g99b   |       |  |



Schwarzheit  $n^*$

relative Buntheit  $c^*$



Schwarzheit  $n^*$

relative Buntheit  $c^*$

OG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

BAM-Prüfvorlage OG01; Farbmétrik-Systeme ORS18 & TLS18 input:  $cmv0^* setcmykcolor$

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output:  $cmv0^* / 000n^* setcmykcolor$