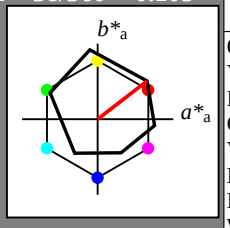
## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

**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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

***n** = 1,0*

***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* 71.67 32.15 28.41
*LAB*LABa* 71.67 32.69 25.25
*LAB*TCHa* 75.0 41.31 37.69
***relative* CIELAB *lab****
*lab*lab* 0.693 0.396 0.306
*lab*tch* 0.75 0.5 0.105
*lab*nch* 0.0 0.5 0.105
***relative* Natural Colour (NC)**
*lab*lrj* 0.693 0.477 0.15
*lab*tce* 0.75 0.5 0.048
*lab*ncE* 0.0 0.5 r19j

***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* 32.98 32.9 25.8
*LAB*LABa* 32.98 32.69 25.25
*LAB*TCHa* 25.01 41.31 37.69
***relative* CIELAB *lab****
*lab*lab* 0.193 0.396 0.306
*lab*tch* 0.25 0.5 0.105
*lab*nch* 0.5 0.5 0.105
***relative* Natural Colour (NC)**
*lab*lrj* 0.193 0.477 0.15
*lab*tce* 0.25 0.5 0.048
*lab*ncE* 0.5 0.5 r19j

***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* 47.94 65.3 52.06
*LAB*LABa* 47.94 65.37 50.51
*LAB*TCHa* 50.0 82.61 37.69
***relative* CIELAB *lab****
*lab*lab* 0.387 0.791 0.611
*lab*tch* 0.5 1.0 0.105
*lab*nch* 0.0 1.0 0.105
***relative* Natural Colour (NC)**
*lab*lrj* 0.387 0.954 0.299
*lab*tce* 0.5 1.0 0.048
*lab*ncE* 0.0 1.0 r19j

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

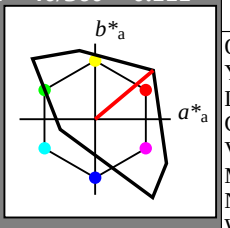
NG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

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

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

**Dreiecks-Helligkeit *t****




**%Umfang**
**u*rel = 158**
**%Regularität**
**g*H,rel = 20**
**g*C,rel = 37**

**TLS00; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 1.0 (1.0)
*cmyn3** 0.0 0.0 0.0 (0.0)
*olvi4** 1.0 1.0 1.0 1.0
*cmyn4** 0.0 0.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 95.41 0.0 0.0
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.01 –
***relative* CIELAB *lab****
*lab*lab* 1.0 0.0 0.0
*lab*tch* 1.0 0.0 –
*lab*nch* 0.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 1.0 0.0 0.0
*lab*tce* 1.0 0.0 –
*lab*ncE* 0.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***n** = 1,0*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.5 0.5 (1.0)
*cmyn3** 0.0 0.5 0.5 (0.0)
*olvi4** 1.0 0.5 0.5 1.0
*cmyn4** 0.0 0.5 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 72.95 38.45 32.27
*LAB*LABa* 72.95 38.45 32.27
*LAB*TCHa* 75.0 50.2 40.0
***relative* CIELAB *lab****
*lab*lab* 0.765 0.383 0.321
*lab*tch* 0.75 0.5 0.111
*lab*nch* 0.0 0.5 0.111
***relative* Natural Colour (NC)**
*lab*lrj* 0.765 0.471 0.167
*lab*tce* 0.75 0.5 0.054
*lab*ncE* 0.0 0.5 r21j

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

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

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

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

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

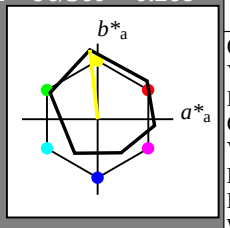
BAM-Registrierung: 20060101-NG10/10Q/Q10G00NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG10/ Form: 1/10. Serie: 1/1, Seite: 1 Seitenz hlung 1

## Eingabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.01 –
***relative* CIELAB *lab****
*lab*lab* 1.0 0.0 0.0
*lab*tch* 1.0 0.0 –
*lab*nch* 0.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 1.0 0.0 0.0
*lab*tce* 1.0 0.0 –
*lab*ncE* 0.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 1.0 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* 92.88 −6.06 50.46
*LAB*LABa* 92.88 −5.12 45.87
*LAB*TCHa* 75.0 46.15 96.38
***relative* CIELAB *lab****
*lab*lab* 0.967 −0.055 0.497
*lab*tch* 0.75 0.5 0.268
*lab*nch* 0.0 0.5 0.268
***relative* Natural Colour (NC)**
*lab*lrj* 0.967 −0.048 0.497
*lab*tce* 0.75 0.5 0.266
*lab*ncE* 0.0 0.5 j06g

***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* 90.36 −11.15 96.15
*LAB*LABa* 90.36 −10.25 91.73
*LAB*TCHa* 50.0 92.3 96.38
***relative* CIELAB *lab****
*lab*lab* 0.935 −0.11 0.994
*lab*tch* 0.5 1.0 0.268
*lab*nch* 0.0 1.0 0.268
***relative* Natural Colour (NC)**
*lab*lrj* 0.935 −0.097 0.995
*lab*tce* 0.5 1.0 0.266
*lab*ncE* 0.0 1.0 j06g

***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 0.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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** 0.5 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* 54.19 −5.32 47.84
*LAB*LABa* 54.19 −5.12 45.87
*LAB*TCHa* 25.01 46.15 96.38
***relative* CIELAB *lab****
*lab*lab* 0.467 −0.055 0.497
*lab*tch* 0.25 0.5 0.268
*lab*nch* 0.5 0.5 0.268
***relative* Natural Colour (NC)**
*lab*lrj* 0.467 −0.048 0.497
*lab*tce* 0.25 0.5 0.266
*lab*ncE* 0.5 0.5 j06g

***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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

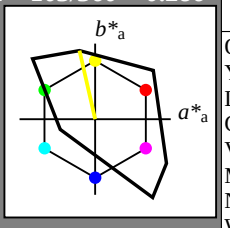
*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

## Ausgabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 1.0 (1.0)
*cmyn3** 0.0 0.0 0.0 (0.0)
*olvi4** 1.0 1.0 1.0 1.0
*cmyn4** 0.0 0.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 95.41 0.0 0.0
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.01 –
***relative* CIELAB *lab****
*lab*lab* 1.0 0.0 0.0
*lab*tch* 1.0 0.0 –
*lab*nch* 0.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 1.0 0.0 0.0
*lab*tce* 1.0 0.0 –
*lab*ncE* 0.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 0.5 (1.0)
*cmyn3** 0.0 0.0 0.5 (0.0)
*olvi4** 1.0 1.0 0.5 1.0
*cmyn4** 0.0 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 94.03 −10.34 45.37
*LAB*LABa* 94.03 −10.34 45.37
*LAB*TCHa* 75.0 46.53 102.85
***relative* CIELAB *lab****
*lab*lab* 0.985 −0.11 0.487
*lab*tch* 0.75 0.5 0.286
*lab*nch* 0.0 0.5 0.286
***relative* Natural Colour (NC)**
*lab*lrj* 0.985 −0.116 0.486
*lab*tce* 0.75 0.5 0.288
*lab*ncE* 0.0 0.5 j15g

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 0.0 (1.0)
*cmyn3** 0.0 0.0 1.0 (0.0)
*olvi4** 1.0 1.0 0.0 1.0
*cmyn4** 0.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 92.65 −20.69 90.73
*LAB*LABa* 92.65 −20.69 90.73
*LAB*TCHa* 50.0 93.06 102.85
***relative* CIELAB *lab****
*lab*lab* 0.971 −0.221 0.975
*lab*tch* 0.5 1.0 0.286
*lab*nch* 0.0 1.0 0.286
***relative* Natural Colour (NC)**
*lab*lrj* 0.971 −0.233 0.972
*lab*tce* 0.5 1.0 0.288
*lab*ncE* 0.0 1.0 j15g

***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 0.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.0 (1.0)
*cmyn3** 0.5 0.5 1.0 (0.0)
*olvi4** 1.0 1.0 0.5 0.5
*cmyn4** 0.0 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 46.34 −10.34 45.37
*LAB*LABa* 46.34 −10.34 45.37
*LAB*TCHa* 25.01 46.53 102.85
***relative* CIELAB *lab****
*lab*lab* 0.486 −0.11 0.487
*lab*tch* 0.25 0.5 0.286
*lab*nch* 0.5 0.5 0.286
***relative* Natural Colour (NC)**
*lab*lrj* 0.486 −0.116 0.486
*lab*tce* 0.25 0.5 0.288
*lab*ncE* 0.5 0.5 j15g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

NG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)
3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

BAM-Prüfvorlage NG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

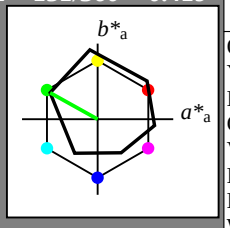
BAM-Registrierung: 20060101-NG10/10Q/Q10G01NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG10/ Form: 2/10. Serie: 1/1, Seite: 2 Seitenz hlung 2

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

**für Buntton *h** = lab*h = 151/360 = 0.419**
***lab*tch* und *lab*nch***

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

**Dreiecks-Helligkeit *t****




**%Umfang**
**u*rel = 93**
**%Regularität**
**g*H,rel = 57**
**g*C,rel = 59**

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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 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* 73.15 −31.96 20.73
*LAB*LABa* 73.15 −31.4 17.48
*LAB*TCHa* 75.0 35.95 150.91
***relative* CIELAB *lab****
*lab*lab* 0.712 −0.436 0.243
*lab*tch* 0.75 0.5 0.419
*lab*nch* 0.0 0.5 0.419
***relative* Natural Colour (NC)**
*lab*lrj* 0.712 −0.478 0.144
*lab*tce* 0.75 0.5 0.453
*lab*ncE* 0.0 0.5 j81g

***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* 50.9 −62.95 36.7
*LAB*LABa* 50.9 −62.81 34.95
*LAB*TCHa* 50.0 71.89 150.91
***relative* CIELAB *lab****
*lab*lab* 0.425 −0.873 0.486
*lab*tch* 0.5 1.0 0.419
*lab*nch* 0.0 1.0 0.419
***relative* Natural Colour (NC)**
*lab*lrj* 0.425 −0.956 0.289
*lab*tce* 0.5 1.0 0.453
*lab*ncE* 0.0 1.0 j81g

***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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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 0.5 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* 34.46 −31.22 18.12
*LAB*LABa* 34.46 −31.4 17.48
*LAB*TCHa* 25.01 35.95 150.91
***relative* CIELAB *lab****
*lab*lab* 0.213 −0.436 0.243
*lab*tch* 0.25 0.5 0.419
*lab*nch* 0.5 0.5 0.419
***relative* Natural Colour (NC)**
*lab*lrj* 0.213 −0.478 0.144
*lab*tce* 0.25 0.5 0.453
*lab*ncE* 0.5 0.5 j81g

***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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

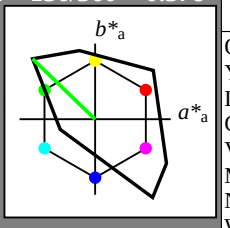
*n** = 0,00 — **Schwarzheit *n****
0,25 — 0,50 — *n** = 0,50 — 0,75 — 1,00 — **relative Buntheit *c****
*n** = 1,0

## Ausgabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*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 1.0 0.5 (1.0)
*cmyn3** 0.5 0.0 0.5 (0.0)
*olvi4** 0.5 1.0 0.5 1.0
*cmyn4** 0.5 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 89.51 −41.36 39.94
*LAB*LABa* 89.51 −41.36 39.94
*LAB*TCHa* 75.0 57.51 136.01
***relative* CIELAB *lab****
*lab*lab* 0.938 −0.359 0.347
*lab*tch* 0.75 0.5 0.378
*lab*nch* 0.0 0.5 0.378
***relative* Natural Colour (NC)**
*lab*lrj* 0.938 −0.415 0.278
*lab*tce* 0.75 0.5 0.406
*lab*ncE* 0.0 0.5 j62g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.0 (1.0)
*cmyn3** 1.0 0.0 1.0 (0.0)
*olvi4** 0.0 1.0 0.0 1.0
*cmyn4** 1.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 83.62 −82.73 79.88
*LAB*LABa* 83.62 −82.73 79.88
*LAB*TCHa* 50.0 115.01 136.01
***relative* CIELAB *lab****
*lab*lab* 0.876 −0.718 0.694
*lab*tch* 0.5 1.0 0.378
*lab*nch* 0.0 1.0 0.378
***relative* Natural Colour (NC)**
*lab*lrj* 0.876 −0.83 0.555
*lab*tce* 0.5 1.0 0.406
*lab*ncE* 0.0 1.0 j62g

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.5 0.0 (1.0)
*cmyn3** 1.0 0.5 1.0 (0.0)
*olvi4** 0.5 1.0 0.5 0.5
*cmyn4** 0.5 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 41.82 −41.36 39.94
*LAB*LABa* 41.82 −41.36 39.94
*LAB*TCHa* 25.01 57.51 136.01
***relative* CIELAB *lab****
*lab*lab* 0.438 −0.359 0.347
*lab*tch* 0.25 0.5 0.378
*lab*nch* 0.5 0.5 0.378
***relative* Natural Colour (NC)**
*lab*lrj* 0.438 −0.415 0.278
*lab*tce* 0.25 0.5 0.406
*lab*ncE* 0.5 0.5 j62g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

*n** = 0,00 — **Schwarzheit *n****
0,25 — 0,50 — *n** = 0,50 — 0,75 — 1,00 — **relative Buntheit *c****
*n** = 1,0

NG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)
3 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

BAM-Prüfvorlage NG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

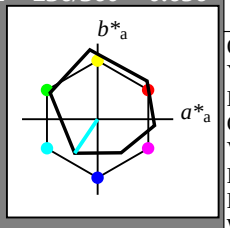
BAM-Registrierung: 20060101-NG10/10Q/Q10G02NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG10/ Form: 3/10. Serie: 1/1, Seite: 3 Seitenz hlung 3

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

**für Buntton *h** = lab*h = 236/360 = 0.656**
***lab*tch* und *lab*nch***

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

**Dreiecks-Helligkeit *t****




**%Umfang**
**u*rel = 93**
**%Regularität**
**g*H,rel = 57**
**g*C,rel = 59**

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

***n** = 1,0*

***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* 77.01 −15.8 −18.98
*LAB*LABa* 77.01 −15.16 −22.5
*LAB*TCHa* 75.0 27.14 236.02
***relative* CIELAB *lab****
*lab*lab* 0.762 −0.278 −0.414
*lab*tch* 0.75 0.5 0.656
*lab*nch* 0.0 0.5 0.656
***relative* Natural Colour (NC)**
*lab*lrj* 0.762 −0.247 −0.433
*lab*tce* 0.75 0.5 0.667
*lab*ncE* 0.0 0.5 g66b

***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* 38.32 −15.05 −21.6
*LAB*LABa* 38.32 −15.16 −22.5
*LAB*TCHa* 25.01 27.14 236.02
***relative* CIELAB *lab****
*lab*lab* 0.262 −0.278 −0.414
*lab*tch* 0.25 0.5 0.656
*lab*nch* 0.5 0.5 0.656
***relative* Natural Colour (NC)**
*lab*lrj* 0.262 −0.247 −0.433
*lab*tce* 0.25 0.5 0.667
*lab*ncE* 0.5 0.5 g66b

***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* 58.62 −30.61 −42.73
*LAB*LABa* 58.62 −30.33 −45.01
*LAB*TCHa* 50.0 54.29 236.02
***relative* CIELAB *lab****
*lab*lab* 0.525 −0.558 −0.828
*lab*tch* 0.5 1.0 0.656
*lab*nch* 0.0 1.0 0.656
***relative* Natural Colour (NC)**
*lab*lrj* 0.525 −0.496 −0.867
*lab*tce* 0.5 1.0 0.667
*lab*ncE* 0.0 1.0 g66b

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

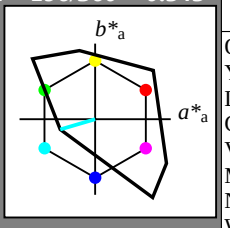
NG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

## Ausgabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 1.0 (1.0)
*cmyn3** 0.0 0.0 0.0 (0.0)
*olvi4** 1.0 1.0 1.0 1.0
*cmyn4** 0.0 0.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 95.41 0.0 0.0
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.01 –
***relative* CIELAB *lab****
*lab*lab* 1.0 0.0 0.0
*lab*tch* 1.0 0.0 –
*lab*nch* 0.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 1.0 0.0 0.0
*lab*tce* 1.0 0.0 –
*lab*ncE* 0.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***n** = 1,0*

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

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

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

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG10/10Q/Q10G03NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG10/ Form: 4/10. Serie: 1/1, Seite: 4 Seitenz hlung 4

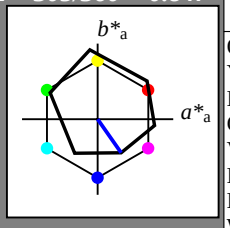
BAM-Prüfvorlage NG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

## Eingabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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 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* 60.56 15.23 −19.79
*LAB*LABa* 60.56 15.55 −22.19
*LAB*TCHa* 75.0 27.1 305.0
***relative* CIELAB *lab****
*lab*lab* 0.55 0.287 −0.408
*lab*tch* 0.75 0.5 0.847
*lab*nch* 0.0 0.5 0.847
***relative* Natural Colour (NC)**
*lab*lrj* 0.55 0.225 −0.446
*lab*tce* 0.75 0.5 0.824
*lab*ncE* 0.0 0.5 b29r

***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* 25.73 31.44 −44.34
*LAB*LABa* 25.73 31.09 −44.39
*LAB*TCHa* 50.0 54.21 305.0
***relative* CIELAB *lab****
*lab*lab* 0.1 0.573 −0.818
*lab*tch* 0.5 1.0 0.847
*lab*nch* 0.0 1.0 0.847
***relative* Natural Colour (NC)**
*lab*lrj* 0.1 0.449 −0.892
*lab*tce* 0.5 1.0 0.824
*lab*ncE* 0.0 1.0 b29r

***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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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 0.5 (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* 21.87 15.97 −22.4
*LAB*LABa* 21.87 15.55 −22.19
*LAB*TCHa* 25.01 27.1 305.0
***relative* CIELAB *lab****
*lab*lab* 0.05 0.287 −0.408
*lab*tch* 0.25 0.5 0.847
*lab*nch* 0.5 0.5 0.847
***relative* Natural Colour (NC)**
*lab*lrj* 0.05 0.225 −0.446
*lab*tce* 0.25 0.5 0.824
*lab*ncE* 0.5 0.5 b29r

***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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

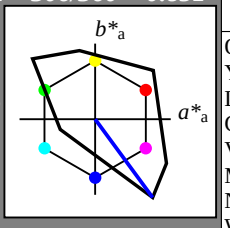
*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

## Ausgabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*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 1.0 (1.0)
*cmyn3** 0.5 0.5 0.0 (0.0)
*olvi4** 0.5 0.5 1.0 1.0
*cmyn4** 0.5 0.5 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 62.9 38.02 −51.78
*LAB*LABa* 62.9 38.02 −51.78
*LAB*TCHa* 75.0 64.25 306.29
***relative* CIELAB *lab****
*lab*lab* 0.659 0.296 −0.402
*lab*tch* 0.75 0.5 0.851
*lab*nch* 0.0 0.5 0.851
***relative* Natural Colour (NC)**
*lab*lrj* 0.659 0.23 −0.443
*lab*tce* 0.75 0.5 0.826
*lab*ncE* 0.0 0.5 b30r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 1.0 (1.0)
*cmyn3** 1.0 1.0 0.0 (0.0)
*olvi4** 0.0 0.0 1.0 1.0
*cmyn4** 1.0 1.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 30.39 76.04 −103.57
*LAB*LABa* 30.39 76.04 −103.57
*LAB*TCHa* 50.0 128.5 306.29
***relative* CIELAB *lab****
*lab*lab* 0.318 0.592 −0.805
*lab*tch* 0.5 1.0 0.851
*lab*nch* 0.0 1.0 0.851
***relative* Natural Colour (NC)**
*lab*lrj* 0.318 0.459 −0.887
*lab*tce* 0.5 1.0 0.826
*lab*ncE* 0.0 1.0 b30r

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.5 (1.0)
*cmyn3** 1.0 1.0 0.5 (0.0)
*olvi4** 0.5 0.5 1.0 0.5
*cmyn4** 0.5 0.5 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 15.21 38.02 −51.78
*LAB*LABa* 15.21 38.02 −51.78
*LAB*TCHa* 25.01 64.25 306.29
***relative* CIELAB *lab****
*lab*lab* 0.159 0.296 −0.402
*lab*tch* 0.25 0.5 0.851
*lab*nch* 0.5 0.5 0.851
***relative* Natural Colour (NC)**
*lab*lrj* 0.159 0.23 −0.443
*lab*tce* 0.25 0.5 0.826
*lab*ncE* 0.5 0.5 b30r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

NG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)
3 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

BAM-Prüfvorlage NG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

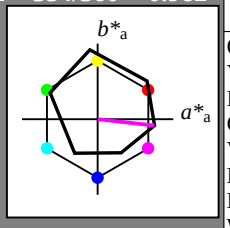
BAM-Registrierung: 20060101-NG10/10Q/Q10G04NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG10/ Form: 5/10. Serie: 1/1, Seite: 5 Seitenz hlung 5

## Eingabe: Farbmetrisches 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****




**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

**%Umfang**
**$u^*_{rel}$ = 93**
**%Regularität**
**$g^*_{H,rel}$ = 57**
**$g^*_{C,rel}$ = 59**

***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 −0.98 4.75
*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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

***n** = 1,0*

***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* 71.77 37.1 −1.01
*LAB*LABa* 71.77 37.63 −4.17
*LAB*TCHa* 75.0 37.86 353.66
***relative* CIELAB *lab****
*lab*lab* 0.695 0.497 −0.054
*lab*tch* 0.75 0.5 0.982
*lab*nch* 0.0 0.5 0.982
***relative* Natural Colour (NC)**
*lab*lrj* 0.695 0.454 −0.208
*lab*tce* 0.75 0.5 0.932
*lab*ncE* 0.0 0.5 b72r

***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* 33.07 37.84 −3.62
*LAB*LABa* 33.07 37.63 −4.17
*LAB*TCHa* 25.01 37.86 353.66
***relative* CIELAB *lab****
*lab*lab* 0.195 0.497 −0.054
*lab*tch* 0.25 0.5 0.982
*lab*nch* 0.5 0.5 0.982
***relative* Natural Colour (NC)**
*lab*lrj* 0.195 0.454 −0.208
*lab*tce* 0.25 0.5 0.932
*lab*ncE* 0.5 0.5 b72r

***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* 48.13 75.18 −6.79
*LAB*LABa* 48.13 75.26 −8.35
*LAB*TCHa* 50.0 75.73 353.66
***relative* CIELAB *lab****
*lab*lab* 0.389 0.994 −0.109
*lab*tch* 0.5 1.0 0.982
*lab*nch* 0.0 1.0 0.982
***relative* Natural Colour (NC)**
*lab*lrj* 0.389 0.909 −0.416
*lab*tce* 0.5 1.0 0.932
*lab*ncE* 0.0 1.0 b72r

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

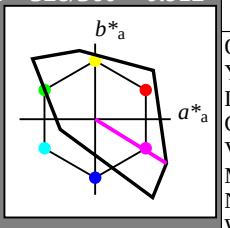
NG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

**für Buntton *h** = lab*h = 328/360 = 0.912**
***lab*tch* und *lab*nch***

**D65: Buntton M**
**LCH*Ma: 57 111 328**
**olv*Ma: 1.0 0.0 1.0**

**Dreiecks-Helligkeit *t****




**TLS00; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

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

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 1.0 (1.0)
*cmyn3** 0.0 0.0 0.0 (0.0)
*olvi4** 1.0 1.0 1.0 1.0
*cmyn4** 0.0 0.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 95.41 0.0 0.0
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.01 –
***relative* CIELAB *lab****
*lab*lab* 1.0 0.0 0.0
*lab*tch* 1.0 0.0 –
*lab*nch* 0.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 1.0 0.0 0.0
*lab*tce* 1.0 0.0 –
*lab*ncE* 0.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***n** = 1,0*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.5 1.0 (1.0)
*cmyn3** 0.0 0.5 0.0 (0.0)
*olvi4** 1.0 0.5 1.0 1.0
*cmyn4** 0.0 0.5 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.35 47.17 −29.19
*LAB*LABa* 76.35 47.17 −29.19
*LAB*TCHa* 75.0 55.47 328.23
***relative* CIELAB *lab****
*lab*lab* 0.8 0.425 −0.262
*lab*tch* 0.75 0.5 0.912
*lab*nch* 0.0 0.5 0.912
***relative* Natural Colour (NC)**
*lab*lrj* 0.8 0.352 −0.354
*lab*tce* 0.75 0.5 0.874
*lab*ncE* 0.0 0.5 b49r

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.0 0.5 (1.0)
*cmyn3** 0.5 1.0 0.5 (0.0)
*olvi4** 1.0 0.5 1.0 0.5
*cmyn4** 0.0 0.5 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 28.66 47.17 −29.19
*LAB*LABa* 28.66 47.17 −29.19
*LAB*TCHa* 25.01 55.47 328.23
***relative* CIELAB *lab****
*lab*lab* 0.3 0.425 −0.262
*lab*tch* 0.25 0.5 0.912
*lab*nch* 0.5 0.5 0.912
***relative* Natural Colour (NC)**
*lab*lrj* 0.3 0.352 −0.354
*lab*tce* 0.25 0.5 0.874
*lab*ncE* 0.5 0.5 b49r

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 1.0 (1.0)
*cmyn3** 0.0 1.0 0.0 (0.0)
*olvi4** 1.0 0.0 1.0 1.0
*cmyn4** 0.0 1.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 57.3 94.33 −58.4
*LAB*LABa* 57.3 94.33 −58.4
*LAB*TCHa* 50.0 110.95 328.23
***relative* CIELAB *lab****
*lab*lab* 0.601 0.85 −0.525
*lab*tch* 0.5 1.0 0.912
*lab*nch* 0.0 1.0 0.912
***relative* Natural Colour (NC)**
*lab*lrj* 0.601 0.703 −0.71
*lab*tce* 0.5 1.0 0.874
*lab*ncE* 0.0 1.0 b49r

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

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

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

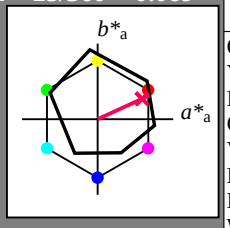
BAM-Registrierung: 20060101-NG10/10Q/Q10G05NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG10/ Form: 6/10. Serie: 1/1, Seite: 6 Seitenz hlung 6

## Eingabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 0.661 (1.0)
*cmyn3** 0.0 0.5 0.339 (0.0)
*olvi4** 1.0 0.5 0.661 1.0
*cmyn4** 0.0 0.5 0.339 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 71.7 33.75 18.92
*LAB*LABa* 71.7 34.28 15.76
*LAB*TCHa* 75.0 37.73 24.7
***relative* CIELAB *lab****
*lab*lab* 0.694 0.454 0.209
*lab*tch* 0.75 0.5 0.069
*lab*nch* 0.0 0.5 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.694 0.5 0.0
*lab*tce* 0.75 0.5 1.0
*lab*ncE* 0.0 0.5 b99r

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.0 0.161 (1.0)
*cmyn3** 0.5 1.0 0.839 (0.0)
*olvi4** 1.0 0.5 0.661 0.5
*cmyn4** 0.0 0.5 0.339 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 33.01 34.49 16.31
*LAB*LABa* 33.01 34.28 15.77
*LAB*TCHa* 25.01 37.73 24.7
***relative* CIELAB *lab****
*lab*lab* 0.194 0.454 0.209
*lab*tch* 0.25 0.5 0.069
*lab*nch* 0.5 0.5 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.194 0.5 0.0
*lab*tce* 0.25 0.5 0.0
*lab*ncE* 0.5 0.5 r00j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 0.322 (1.0)
*cmyn3** 0.0 1.0 0.678 (0.0)
*olvi4** 1.0 0.0 0.322 1.0
*cmyn4** 0.0 1.0 0.678 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 48.0 68.48 33.09
*LAB*LABa* 48.0 68.56 31.53
*LAB*TCHa* 50.0 75.47 24.7
***relative* CIELAB *lab****
*lab*lab* 0.388 0.908 0.418
*lab*tch* 0.5 1.0 0.069
*lab*nch* 0.0 1.0 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.388 1.0 0.0
*lab*tce* 0.5 1.0 0.0
*lab*ncE* 0.0 1.0 r00j

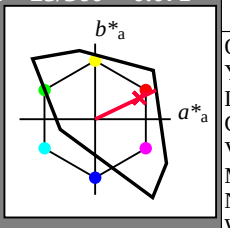
*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

## Ausgabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 1.0 (1.0)
*cmyn3** 0.0 0.0 0.0 (0.0)
*olvi4** 1.0 1.0 1.0 1.0
*cmyn4** 0.0 0.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 95.41 0.0 0.0
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.01 –
***relative* CIELAB *lab****
*lab*lab* 1.0 0.0 0.0
*lab*tch* 1.0 0.0 –
*lab*nch* 0.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 1.0 0.0 0.0
*lab*tce* 1.0 0.0 –
*lab*ncE* 0.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.5 0.606 (1.0)
*cmyn3** 0.0 0.5 0.394 (0.0)
*olvi4** 1.0 0.5 0.606 1.0
*cmyn4** 0.0 0.5 0.394 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 73.67 40.3 19.2
*LAB*LABa* 73.67 40.3 19.2
*LAB*TCHa* 75.0 44.64 25.47
***relative* CIELAB *lab****
*lab*lab* 0.772 0.451 0.215
*lab*tch* 0.75 0.5 0.071
*lab*nch* 0.0 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.772 0.5 0.0
*lab*tce* 0.75 0.5 1.0
*lab*ncE* 0.0 0.5 b99r

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.0 0.106 (1.0)
*cmyn3** 0.5 1.0 0.894 (0.0)
*olvi4** 1.0 0.5 0.606 0.5
*cmyn4** 0.0 0.5 0.394 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 25.98 40.3 19.21
*LAB*LABa* 25.98 40.3 19.21
*LAB*TCHa* 25.01 44.65 25.49
***relative* CIELAB *lab****
*lab*lab* 0.272 0.451 0.215
*lab*tch* 0.25 0.5 0.071
*lab*nch* 0.5 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.272 0.5 0.0
*lab*tce* 0.25 0.5 0.0
*lab*ncE* 0.5 0.5 r00j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 0.213 (1.0)
*cmyn3** 0.0 1.0 0.787 (0.0)
*olvi4** 1.0 0.0 0.213 1.0
*cmyn4** 0.0 1.0 0.787 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 51.94 80.61 38.42
*LAB*LABa* 51.94 80.61 38.42
*LAB*TCHa* 50.0 89.29 25.48
***relative* CIELAB *lab****
*lab*lab* 0.544 0.903 0.43
*lab*tch* 0.5 1.0 0.071
*lab*nch* 0.0 1.0 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.544 1.0 0.0
*lab*tce* 0.5 1.0 0.0
*lab*ncE* 0.0 1.0 r00j

*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

NG100−7, 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 NG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

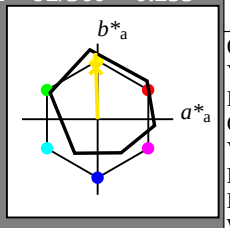
BAM-Registrierung: 20060101-NG10/10Q/Q10G06NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG10/ Forms: 7/10. Serie: 1/1, Seite: 7 Seitenz hlung 7

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

**für Buntton *h** = lab*h = 92/360 = 0.255**
***lab*tch* 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

***n** = 1,0*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.951 0.5 (1.0)
*cmyn3** 0.0 0.049 0.5 (0.0)
*olvi4** 1.0 0.951 0.5 1.0
*cmyn4** 0.0 0.049 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 90.8 −2.3 48.29
*LAB*LABa* 90.8 −1.4 43.84
*LAB*TCHa* 75.0 43.86 91.85
***relative* CIELAB *lab****
*lab*lab* 0.94 −0.015 0.5
*lab*tch* 0.75 0.5 0.255
*lab*nch* 0.0 0.5 0.255
***relative* Natural Colour (NC)**
*lab*lrj* 0.94 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 0.451 0.0 (1.0)
*cmyn3** 0.5 0.549 1.0 (0.0)
*olvi4** 1.0 0.951 0.5 0.5
*cmyn4** 0.0 0.049 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 52.1 −1.55 45.67
*LAB*LABa* 52.1 −1.39 43.83
*LAB*TCHa* 25.01 43.86 91.84
***relative* CIELAB *lab****
*lab*lab* 0.44 −0.015 0.5
*lab*tch* 0.25 0.5 0.255
*lab*nch* 0.5 0.5 0.255
***relative* Natural Colour (NC)**
*lab*lrj* 0.44 0.0 0.5
*lab*tce* 0.25 0.5 0.25
*lab*ncE* 0.5 0.5 r99j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.901 0.0 (1.0)
*cmyn3** 0.0 0.099 1.0 (0.0)
*olvi4** 1.0 0.902 0.0 1.0
*cmyn4** 0.0 0.098 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 86.19 −3.62 91.81
*LAB*LABa* 86.19 −2.81 87.67
*LAB*TCHa* 50.0 87.72 91.84
***relative* CIELAB *lab****
*lab*lab* 0.881 −0.031 0.999
*lab*tch* 0.5 1.0 0.255
*lab*nch* 0.0 1.0 0.255
***relative* Natural Colour (NC)**
*lab*lrj* 0.881 0.0 1.0
*lab*tce* 0.5 1.0 0.25
*lab*ncE* 0.0 1.0 j00g

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

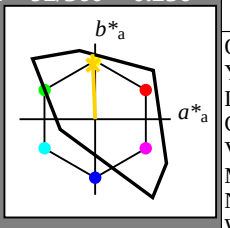
NG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

**für Buntton *h** = lab*h = 92/360 = 0.256**
***lab*tch* 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 1.0 (1.0)
*cmyn3** 0.0 0.0 0.0 (0.0)
*olvi4** 1.0 1.0 1.0 1.0
*cmyn4** 0.0 0.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 95.41 0.0 0.0
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.01 –
***relative* CIELAB *lab****
*lab*lab* 1.0 0.0 0.0
*lab*tch* 1.0 0.0 –
*lab*nch* 0.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 1.0 0.0 0.0
*lab*tce* 1.0 0.0 –
*lab*ncE* 0.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***n** = 1,0*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.912 0.5 (1.0)
*cmyn3** 0.0 0.088 0.5 (0.0)
*olvi4** 1.0 0.912 0.5 1.0
*cmyn4** 0.0 0.088 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 90.31 −1.74 43.06
*LAB*LABa* 90.31 −1.74 43.06
*LAB*TCHa* 75.0 43.09 92.32
***relative* CIELAB *lab****
*lab*lab* 0.947 −0.019 0.499
*lab*tch* 0.75 0.5 0.256
*lab*nch* 0.0 0.5 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.947 0.0 0.5
*lab*tce* 0.75 0.5 0.25
*lab*ncE* 0.0 0.5 j00g

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.412 0.0 (1.0)
*cmyn3** 0.5 0.588 1.0 (0.0)
*olvi4** 1.0 0.912 0.5 0.5
*cmyn4** 0.0 0.088 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 42.62 −1.73 43.05
*LAB*LABa* 42.62 −1.73 43.05
*LAB*TCHa* 25.01 43.09 92.31
***relative* CIELAB *lab****
*lab*lab* 0.447 −0.019 0.499
*lab*tch* 0.25 0.5 0.256
*lab*nch* 0.5 0.5 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.447 0.0 0.5
*lab*tce* 0.25 0.5 0.25
*lab*ncE* 0.5 0.5 r99j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.824 0.0 (1.0)
*cmyn3** 0.0 0.176 1.0 (0.0)
*olvi4** 1.0 0.824 0.0 1.0
*cmyn4** 0.0 0.176 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 85.22 −3.47 86.11
*LAB*LABa* 85.22 −3.47 86.11
*LAB*TCHa* 50.0 86.18 92.32
***relative* CIELAB *lab****
*lab*lab* 0.893 −0.039 0.999
*lab*tch* 0.5 1.0 0.256
*lab*nch* 0.0 1.0 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.893 0.0 1.0
*lab*tce* 0.5 1.0 0.25
*lab*ncE* 0.0 1.0 j00g

***n** = 0,00*

**Schwarzheit *n****

0,25 0,50 ***n** = 0,50* 0,75 1,00

**relative Buntheit *c****

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

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

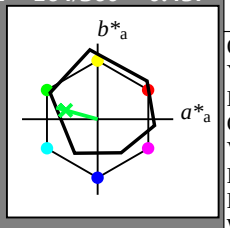
BAM-Registrierung: 20060101-NG10/10Q/Q10G07NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG10/ Form: 8/10. Serie: 1/1, Seite: 8 Seitenz hlung 8

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

**für Buntton *h** = lab*h = 164/360 = 0.457**
***lab*tch* 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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 1.0 0.623 (1.0)
*cmyn3** 0.5 0.0 0.377 (0.0)
*olvi4** 0.5 1.0 0.623 1.0
*cmyn4** 0.5 0.0 0.377 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 74.1 −27.98 10.94
*LAB*LABa* 74.1 −27.4 7.62
*LAB*TCHa* 75.0 28.45 164.46
***relative* CIELAB *lab****
*lab*lab* 0.725 −0.481 0.134
*lab*tch* 0.75 0.5 0.457
*lab*nch* 0.0 0.5 0.457
***relative* Natural Colour (NC)**
*lab*lrj* 0.725 −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 0.246 (1.0)
*cmyn3** 1.0 0.0 0.754 (0.0)
*olvi4** 0.0 1.0 0.246 1.0
*cmyn4** 1.0 0.0 0.754 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 52.8 −54.98 17.14
*LAB*LABa* 52.8 −54.81 15.26
*LAB*TCHa* 50.0 56.91 164.45
***relative* CIELAB *lab****
*lab*lab* 0.45 −0.962 0.268
*lab*tch* 0.5 1.0 0.457
*lab*nch* 0.0 1.0 0.457
***relative* Natural Colour (NC)**
*lab*lrj* 0.45 −0.999 0.0
*lab*tce* 0.5 1.0 0.5
*lab*ncE* 0.0 1.0 j99g

***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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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 0.5 0.123 (1.0)
*cmyn3** 1.0 0.5 0.877 (0.0)
*olvi4** 0.5 1.0 0.623 0.5
*cmyn4** 0.5 0.0 0.377 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 35.41 −27.24 8.34
*LAB*LABa* 35.41 −27.4 7.63
*LAB*TCHa* 25.01 28.46 164.44
***relative* CIELAB *lab****
*lab*lab* 0.225 −0.481 0.134
*lab*tch* 0.25 0.5 0.457
*lab*nch* 0.5 0.5 0.457
***relative* Natural Colour (NC)**
*lab*lrj* 0.225 −0.499 0.0
*lab*tce* 0.25 0.5 0.5
*lab*ncE* 0.5 0.5 j99g

***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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

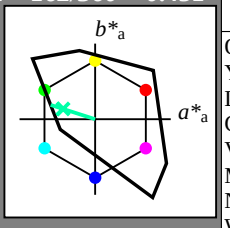
*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

## Ausgabe: Farbmetrisches 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*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 1.0 0.826 (1.0)
*cmyn3** 0.5 0.0 0.174 (0.0)
*olvi4** 0.5 1.0 0.827 1.0
*cmyn4** 0.5 0.0 0.173 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 90.57 −29.42 9.43
*LAB*LABa* 90.57 −29.42 9.43
*LAB*TCHa* 75.0 30.9 162.23
***relative* CIELAB *lab****
*lab*lab* 0.949 −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* 0.949 −0.499 0.0
*lab*tce* 0.75 0.5 0.5
*lab*ncE* 0.0 0.5 g00b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.653 (1.0)
*cmyn3** 1.0 0.0 0.347 (0.0)
*olvi4** 0.0 1.0 0.653 1.0
*cmyn4** 1.0 0.0 0.347 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 85.74 −58.84 18.87
*LAB*LABa* 85.74 −58.84 18.87
*LAB*TCHa* 50.0 61.8 162.23
***relative* CIELAB *lab****
*lab*lab* 0.899 −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* 0.899 −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* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.5 0.326 (1.0)
*cmyn3** 1.0 0.5 0.674 (0.0)
*olvi4** 0.5 1.0 0.826 0.5
*cmyn4** 0.5 0.0 0.174 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 42.88 −29.42 9.44
*LAB*LABa* 42.88 −29.42 9.44
*LAB*TCHa* 25.01 30.91 162.22
***relative* CIELAB *lab****
*lab*lab* 0.449 −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* 0.449 −0.499 0.0
*lab*tce* 0.25 0.5 0.5
*lab*ncE* 0.5 0.5 j99g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

*n** = 0,00
**Schwarzheit *n****
0,25 0,50 *n** = 0,50 0,75 1,00
**relative Buntheit *c****
*n** = 1,0

NG100−7, 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 NG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

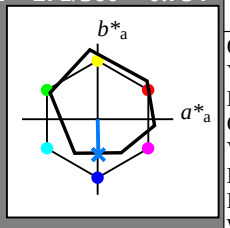
BAM-Registrierung: 20060101-NG10/10Q/Q10G08NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG10/ Form: 9/10. Serie: 1/1, Seite: 9 Seitenz hlung 9

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

**für Buntton $h^* = lab^*h = 271/360 = 0.754$**
***lab*tch* 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**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| $Y_{Ma}$ | 90.37 | −10.26 | 91.75 | 92.32 | 96 |
| $L_{Ma}$ | 50.9 | −62.83 | 34.96 | 71.91 | 151 |
| $C_{Ma}$ | 58.62 | −30.34 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.72 | 31.1 | −44.4 | 54.22 | 305 |
| $M_{Ma}$ | 48.13 | 75.28 | −8.36 | 75.74 | 354 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| $J_{CIE}$ | 81.26 | −2.16 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.25 | 11.76 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.86 | 271 |

***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 −0.98 4.75
*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 0.744 1.0 (1.0)
*cmyn3** 0.5 0.256 0.0 (0.0)
*olvi4** 0.5 0.744 1.0 1.0
*cmyn4** 0.5 0.256 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 68.6 0.07 −19.39
*LAB*LABa* 68.6 0.55 −22.34
*LAB*TCHa* 75.0 22.36 271.4
***relative* CIELAB *lab****
*lab*lab* 0.654 0.012 −0.499
*lab*tch* 0.75 0.5 0.754
*lab*nch* 0.0 0.5 0.754
***relative* Natural Colour (NC)**
*lab*lrj* 0.654 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 0.488 1.0 (1.0)
*cmyn3** 1.0 0.512 0.0 (0.0)
*olvi4** 0.0 0.488 1.0 1.0
*cmyn4** 1.0 0.512 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 41.79 1.14 −43.55
*LAB*LABa* 41.79 1.1 −44.69
*LAB*TCHa* 50.0 44.71 271.41
***relative* CIELAB *lab****
*lab*lab* 0.307 0.025 −0.998
*lab*tch* 0.5 1.0 0.754
*lab*nch* 0.0 1.0 0.754
***relative* Natural Colour (NC)**
*lab*lrj* 0.307 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* 56.71 −0.24 2.14
*LAB*LABa* 56.71 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 0.244 0.5 (1.0)
*cmyn3** 1.0 0.756 0.5 (0.0)
*olvi4** 0.5 0.744 1.0 0.5
*cmyn4** 0.5 0.256 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 29.9 0.82 −22.01
*LAB*LABa* 29.9 0.55 −22.34
*LAB*TCHa* 25.01 22.36 271.42
***relative* CIELAB *lab****
*lab*lab* 0.154 0.012 −0.499
*lab*tch* 0.25 0.5 0.754
*lab*nch* 0.5 0.5 0.754
***relative* Natural Colour (NC)**
*lab*lrj* 0.154 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 0.0 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* 18.02 0.5 −0.47
*LAB*LABa* 18.02 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 –

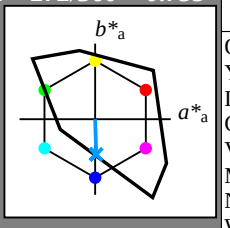
$n^* = 0{,}00$
**Schwarzheit $n^*$**
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
**relative Buntheit $c^*$**
$n^* = 1{,}0$

## Ausgabe: Farbmetrisches 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 $t^*$**




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

**TLS00; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| $Y_{Ma}$ | 92.66 | −20.69 | 90.75 | 93.08 | 103 |
| $L_{Ma}$ | 83.63 | −82.75 | 79.9 | 115.04 | 136 |
| $C_{Ma}$ | 86.88 | −46.16 | −13.55 | 48.12 | 196 |
| $V_{Ma}$ | 30.39 | 76.06 | −103.59 | 128.52 | 306 |
| $M_{Ma}$ | 57.3 | 94.35 | −58.41 | 110.97 | 328 |
| $N_{Ma}$ | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

***relative* Inform. Technology (IT)**
*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 0.805 1.0 (1.0)
*cmyn3** 0.5 0.195 0.0 (0.0)
*olvi4** 0.5 0.805 1.0 1.0
*cmyn4** 0.5 0.195 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 80.13 0.73 −24.31
*LAB*LABa* 80.13 0.73 −24.31
*LAB*TCHa* 75.0 24.33 271.72
***relative* CIELAB *lab****
*lab*lab* 0.84 0.015 −0.499
*lab*tch* 0.75 0.5 0.755
*lab*nch* 0.0 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.84 0.0 −0.499
*lab*tce* 0.75 0.5 0.75
*lab*ncE* 0.0 0.5 g99b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.61 1.0 (1.0)
*cmyn3** 1.0 0.39 0.0 (0.0)
*olvi4** 0.0 0.61 1.0 1.0
*cmyn4** 1.0 0.39 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 64.86 1.47 −48.64
*LAB*LABa* 64.86 1.47 −48.64
*LAB*TCHa* 50.0 48.67 271.74
***relative* CIELAB *lab****
*lab*lab* 0.68 0.03 −0.998
*lab*tch* 0.5 1.0 0.755
*lab*nch* 0.0 1.0 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.68 0.0 −0.999
*lab*tce* 0.5 1.0 0.75
*lab*ncE* 0.0 1.0 g99b

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
*olvi4** 1.0 1.0 1.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.5 0.0 0.0
*lab*tch* 0.5 0.0 –
*lab*nch* 0.5 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 0.0
*lab*tce* 0.5 0.0 –
*lab*ncE* 0.5 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.305 0.5 (1.0)
*cmyn3** 1.0 0.695 0.5 (0.0)
*olvi4** 0.5 0.805 1.0 0.5
*cmyn4** 0.5 0.195 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 32.44 0.74 −24.32
*LAB*LABa* 32.44 0.74 −24.32
*LAB*TCHa* 25.01 24.34 271.75
***relative* CIELAB *lab****
*lab*lab* 0.34 0.015 −0.499
*lab*tch* 0.25 0.5 0.755
*lab*nch* 0.5 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.34 0.0 −0.499
*lab*tce* 0.25 0.5 0.75
*lab*ncE* 0.5 0.5 b00r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 0.03 0.0 0.0
*LAB*LABa* 0.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
***relative* CIELAB *lab****
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
***relative* Natural Colour (NC)**
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

$n^* = 0{,}00$
**Schwarzheit $n^*$**
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
**relative Buntheit $c^*$**
$n^* = 1{,}0$

NG100−7, 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 NG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG10/10Q/Q10G09NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen