

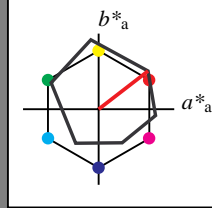
Eingabe: Farbmétrisches Reflexions-System ORS18

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^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| YMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| OMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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

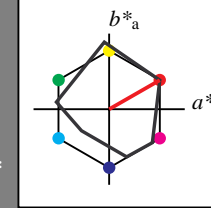
Ausgabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 50 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang
 $u^*_{rel} = 91$
%Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

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 | -0.97 | 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 | 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 | 72.52 | 32.93 | 22.4 |
| LAB*LABa | 72.52 | 33.47 | 19.18 |
| LAB*TCHa | 75.0 | 38.58 | 29.82 |

relative CIELAB lab*

| | | | |
|---------|-------|-------|-------|
| lab*lab | 0.704 | 0.434 | 0.249 |
| lab*tch | 0.75 | 0.5 | 0.083 |
| lab*nch | 0.0 | 0.5 | 0.083 |

relative Natural Colour (NC)

| | | | |
|---------|-------|-------|-------|
| lab*lrj | 0.704 | 0.496 | 0.06 |
| lab*tce | 0.75 | 0.5 | 0.019 |
| lab*nce | 0.0 | 0.5 | r07j |

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 | 49.63 | 66.84 | 40.03 |
| LAB*LABa | 49.63 | 66.95 | 38.36 |
| LAB*TCHa | 50.0 | 77.16 | 29.82 |

relative CIELAB lab*

| | | | |
|---------|-------|-------|-------|
| lab*lab | 0.409 | 0.867 | 0.497 |
| lab*tch | 0.5 | 1.0 | 0.083 |
| lab*nch | 0.0 | 1.0 | 0.083 |

relative Natural Colour (NC)

| | | | |
|---------|-------|-------|-------|
| lab*lrj | 0.409 | 0.993 | 0.119 |
| lab*tce | 0.5 | 1.0 | 0.019 |
| lab*nce | 0.0 | 1.0 | r07j |

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 | -0.23 | 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 | 0.0 | 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 | 33.82 | 33.67 | 19.79 |
| LAB*LABa | 33.82 | 33.47 | 19.18 |
| LAB*TCHa | 25.01 | 38.58 | 29.82 |

relative CIELAB lab*

| | | | |
|---------|-------|-------|-------|
| lab*lab | 0.204 | 0.434 | 0.249 |
| lab*tch | 0.25 | 0.5 | 0.083 |
| lab*nch | 0.5 | 0.5 | 0.083 |

relative Natural Colour (NC)

| | | | |
|---------|-------|-------|-------|
| lab*lrj | 0.204 | 0.496 | 0.06 |
| lab*tce | 0.25 | 0.5 | 0.019 |
| lab*nce | 0.5 | 0.5 | r07j |

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

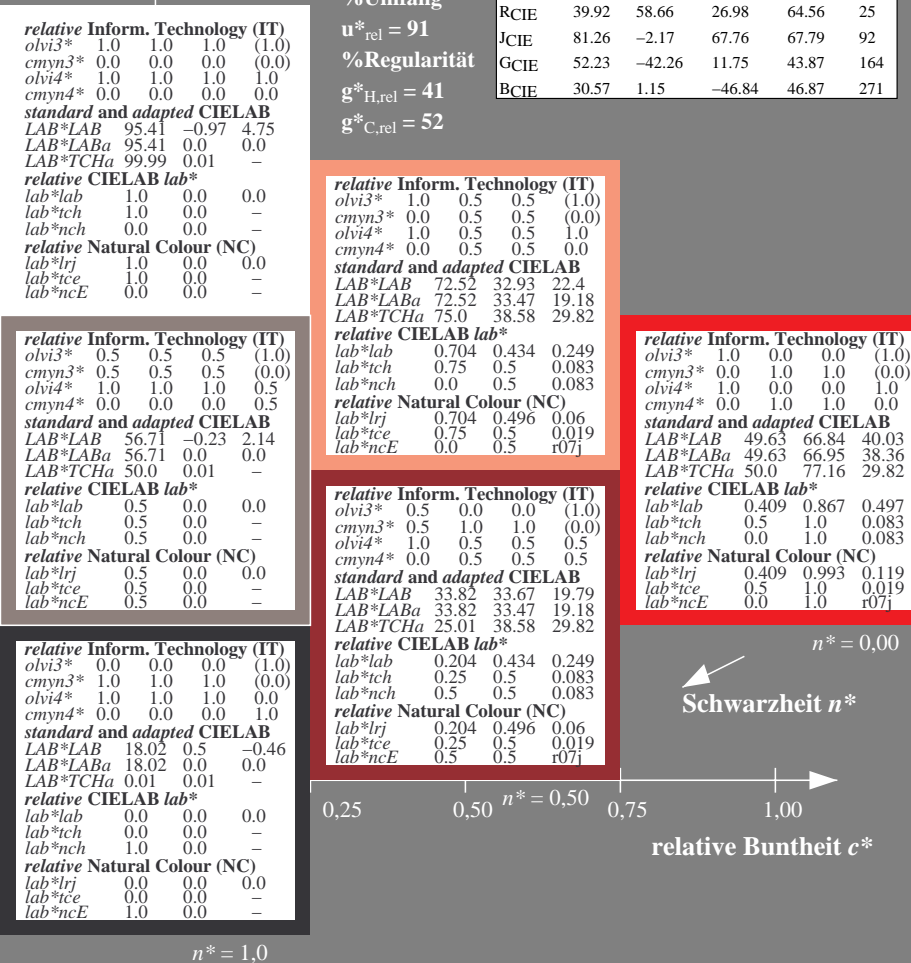
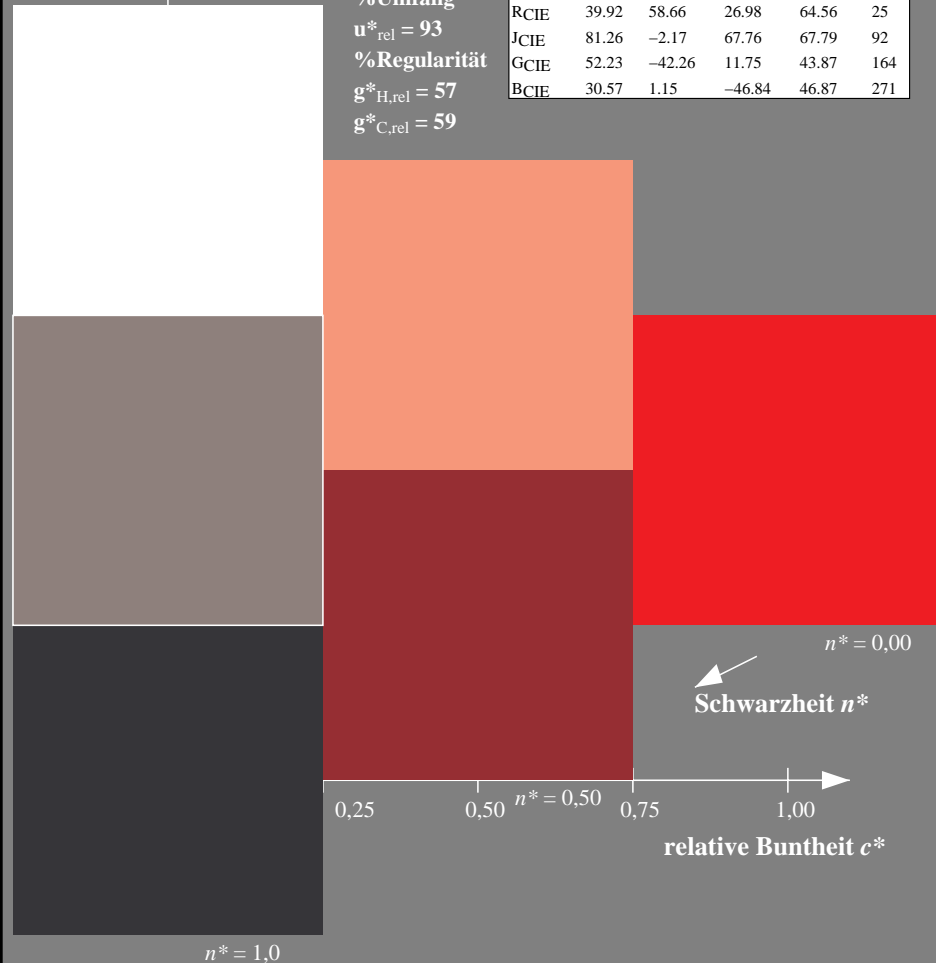
| | | | |
|----------|-------|------|-------|
| LAB*LAB | 18.02 | 0.5 | -0.46 |
| LAB*LABa | 18.02 | 0.0 | 0.0 |
| LAB*TCHa | 0.01 | 0.01 | - |

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 | - |



UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage UG00; Farbmétrik-Systeme ORS18 & ORS18input: $cmY0^*$ setcmykcolor

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

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG00/>
Technische Information: <http://www.ps.bam.de/Version 2.1, io=0.0?>

BAM-Registrierung: 20060101-UG00/10L/L00G00SP.PS/.PDF BAM-Material: Code=rh4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
/UG00/ Form: 1/10, Serie: 1/1, Seite: 1
Seite: 1/1

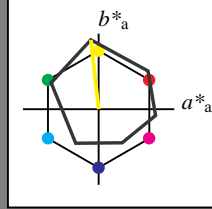
Eingabe: Farbmatisches Reflexions-System ORS18

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^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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

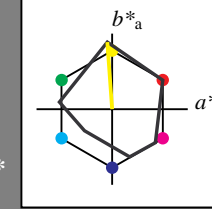
Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 91 89 94
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang
 $u^*_{rel} = 91$
%Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

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 | -0.97 | 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 | 93.05 | -4.11 | 48.97 |
| LAB*LABa | 93.05 | -3.17 | 44.37 |
| LAB*TCHa | 75.0 | 44.48 | 94.1 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|-------|
| lab*lab | 0.969 | -0.035 | 0.499 |
| lab*tch | 0.75 | 0.5 | 0.261 |
| lab*nch | 0.0 | 0.5 | 0.261 |

relative Natural Colour (NC)

| | | | |
|---------|-------|--------|-------|
| lab*lrj | 0.969 | -0.023 | 0.499 |
| lab*tce | 0.75 | 0.5 | 0.258 |
| lab*nce | 0.0 | 0.5 | j03g |

relative Inform. Technology (IT)

| | | | | |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 0.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.0 | 1.0 |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

| | | | |
|----------|-------|-------|-------|
| LAB*LAB | 90.69 | -7.25 | 93.17 |
| LAB*LABa | 90.69 | -6.36 | 88.73 |
| LAB*TCHa | 50.0 | 88.96 | 94.1 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|-------|
| lab*lab | 0.939 | -0.071 | 0.997 |
| lab*tch | 0.5 | 1.0 | 0.261 |
| lab*nch | 0.0 | 1.0 | 0.261 |

relative Natural Colour (NC)

| | | | |
|---------|-------|--------|-------|
| lab*lrj | 0.939 | -0.048 | 0.999 |
| lab*tce | 0.5 | 1.0 | 0.258 |
| lab*nce | 0.0 | 1.0 | j03g |

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 | -0.23 | 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 | 54.35 | -3.37 | 46.36 |
| LAB*LABa | 54.35 | -3.17 | 44.37 |
| LAB*TCHa | 25.01 | 44.48 | 94.1 |

relative CIELAB lab*

| | | | |
|---------|------|--------|-------|
| lab*lab | 0.47 | -0.035 | 0.499 |
| lab*tch | 0.25 | 0.5 | 0.261 |
| lab*nch | 0.5 | 0.5 | 0.261 |

relative Natural Colour (NC)

| | | | |
|---------|------|--------|-------|
| lab*lrj | 0.47 | -0.023 | 0.499 |
| lab*tce | 0.25 | 0.5 | 0.258 |
| lab*nce | 0.5 | 0.5 | j03g |

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

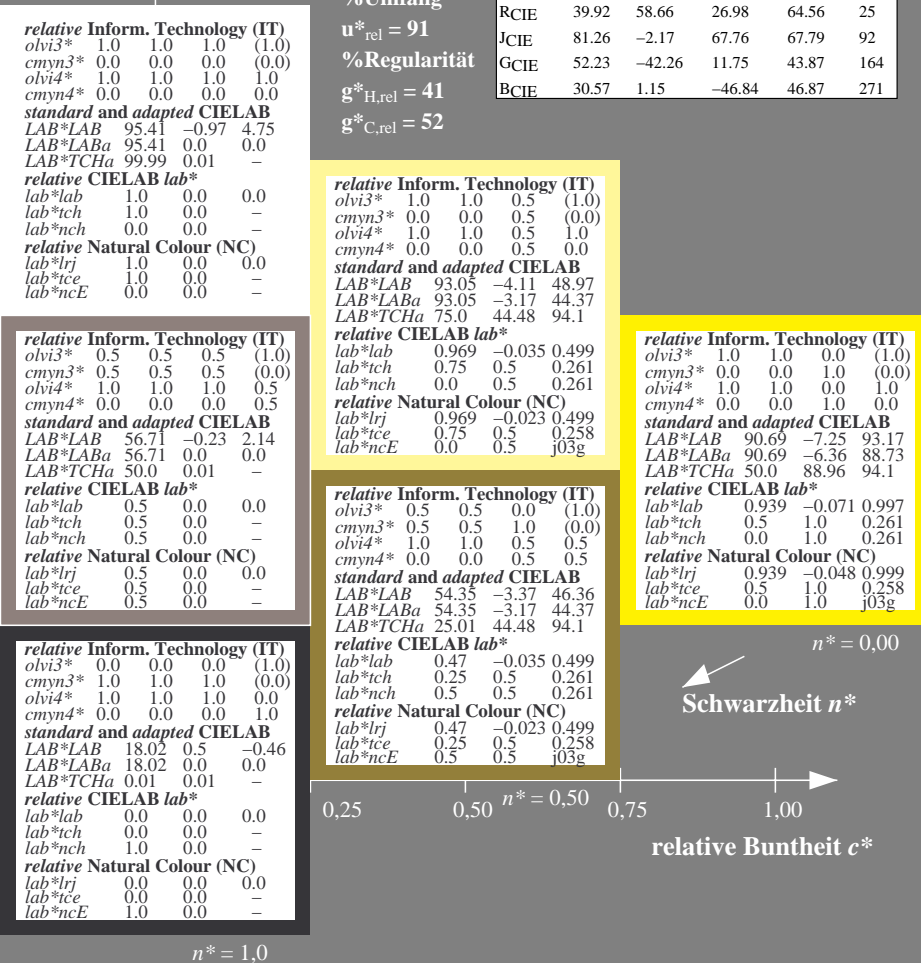
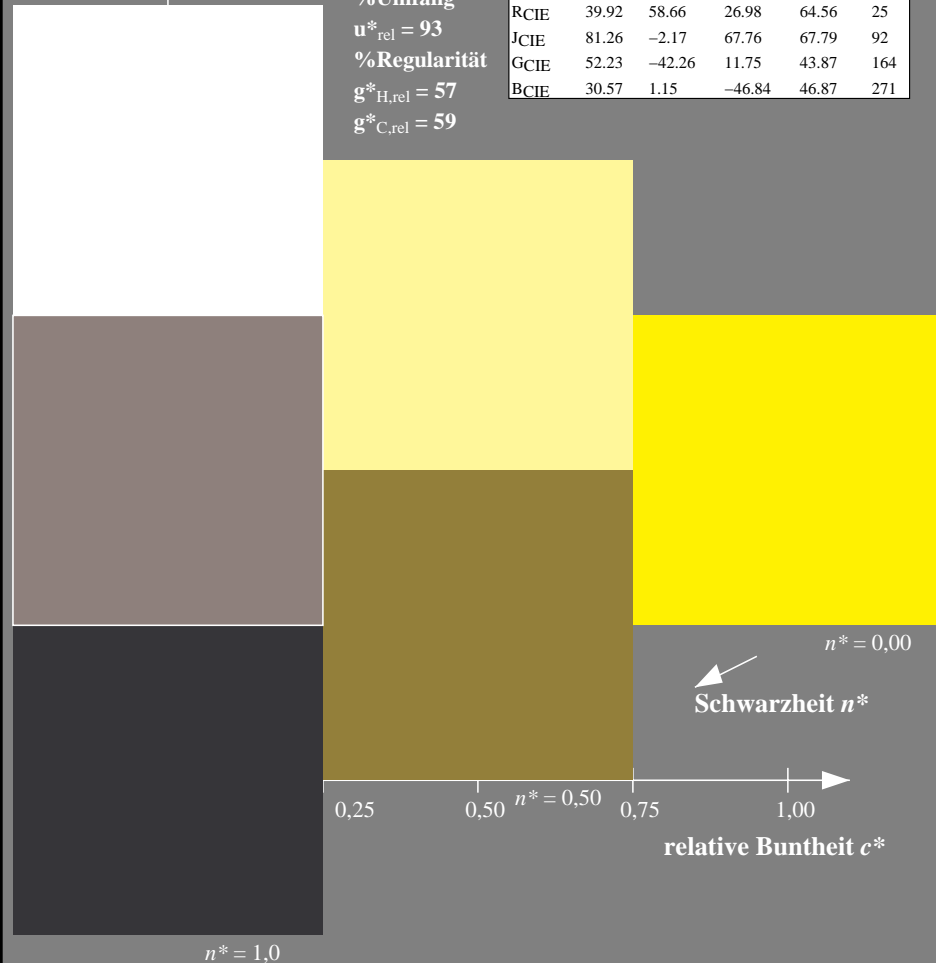
| | | | |
|----------|-------|------|-------|
| LAB*LAB | 18.02 | 0.5 | -0.46 |
| LAB*LABa | 18.02 | 0.0 | 0.0 |
| LAB*TCHa | 0.01 | 0.01 | - |

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 | - |



UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

3 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (rechts)

BAM-Prüfvorlage UG00; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*

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

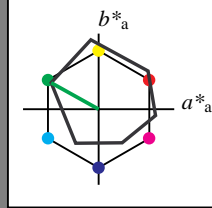
Eingabe: Farbmétrisches Reflexions-System ORS18

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

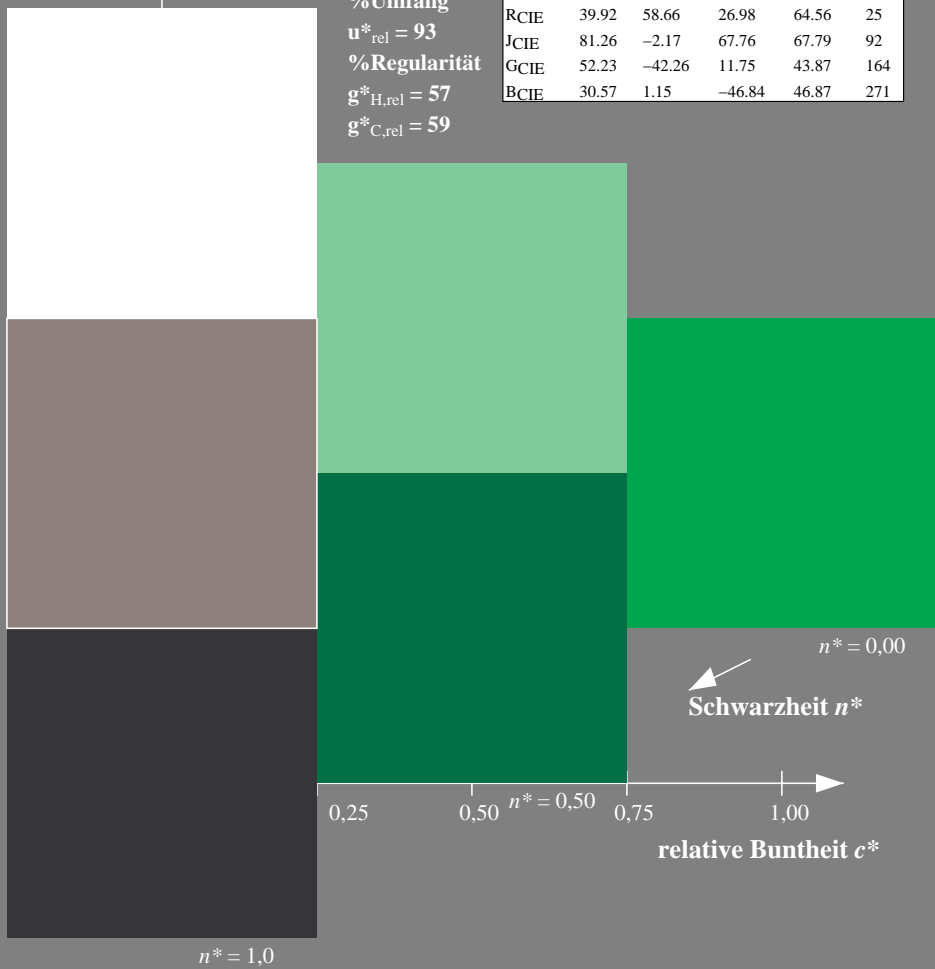
Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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



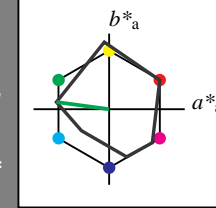
Ausgabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$

lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 52 70 172
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



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 | -0.97 | 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 | - |

%Umfang
 $u^*_{rel} = 91$
%Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

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 | -0.23 | 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 | -0.46 |
| 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 | - |

MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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 | 73.75 | -35.42 | 8.02 |
| LAB*LABa | 73.75 | -34.85 | 4.72 |
| LAB*TCHa | 75.0 | 35.18 | 172.29 |

relative CIELAB lab*

| | | | |
|------------|------|--------|-------|
| lab^*lab | 0.72 | -0.494 | 0.067 |
| lab^*tch | 0.75 | 0.5 | 0.479 |
| lab^*nch | 0.0 | 0.5 | 0.479 |

relative Natural Colour (NC)

| | | | |
|------------|------|--------|--------|
| lab^*lrj | 0.72 | -0.496 | -0.056 |
| lab^*tce | 0.75 | 0.5 | 0.518 |
| lab^*nce | 0.0 | 0.5 | g07b |

relative Inform. Technology (IT)

| | | | | |
|-----------|-----|-----|-----|-------|
| $olvi3^*$ | 0.0 | 0.5 | 0.0 | (1.0) |
| $cmyn3^*$ | 0.5 | 1.0 | 0.0 | (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 | 35.06 | -34.67 | 5.41 |
| LAB*LABa | 35.06 | -34.85 | 4.72 |
| LAB*TCHa | 25.01 | 35.18 | 172.29 |

relative CIELAB lab*

| | | | |
|------------|------|--------|-------|
| lab^*lab | 0.22 | -0.494 | 0.067 |
| lab^*tch | 0.25 | 0.5 | 0.479 |
| lab^*nch | 0.5 | 0.5 | 0.479 |

relative Natural Colour (NC)

| | | | |
|------------|------|--------|--------|
| lab^*lrj | 0.22 | -0.496 | -0.056 |
| lab^*tce | 0.25 | 0.5 | 0.518 |
| lab^*nce | 0.5 | 0.5 | g07b |

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 | -0.46 |
| 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)

| | | | | |
|-----------|-----|-----|-----|-------|
| $olvi3^*$ | 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 | 52.11 | -69.86 | 11.28 |
| LAB*LABa | 52.11 | -69.71 | 9.44 |
| LAB*TCHa | 50.0 | 70.36 | 172.29 |

relative CIELAB lab*

| | | | |
|------------|-------|-------|-------|
| lab^*lab | 0.441 | -0.99 | 0.134 |
| lab^*tch | 0.5 | 1.0 | 0.479 |
| lab^*nch | 0.0 | 1.0 | 0.479 |

relative Natural Colour (NC)

| | | | |
|------------|-------|--------|--------|
| lab^*lrj | 0.441 | -0.992 | -0.114 |
| lab^*tce | 0.5 | 1.0 | 0.518 |
| lab^*nce | 0.0 | 1.0 | g07b |

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 | -0.46 |
| 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 | - |

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG00/>
Technische Information: <http://www.ps.bam.de/Version 2.1, io=0.0?>

BAM-Registrierung: 20060101-UG00/10L/L00G02SP.PS/.PDF BAM-Material: Code=rh4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
/UG00/ Form: 3/10, Serie: 1/1, Seite: 3
Seite: 1/1

UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

3 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (rechts)

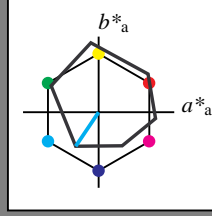
BAM-Prüfvorlage UG00; Farbmétrik-Systeme ORS18 & ORS18input: $cmY0^*$ setcmykcolor
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

Eingabe: Farbmétrisches Reflexions-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^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| YMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| OMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

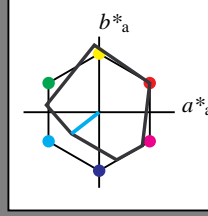
%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

Ausgabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$
 lab^*tch und lab^*nch

D65: Buntton G50B
 LCH*Ma: 45 46 218
 olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

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 | -0.97 | 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 | 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 | 70.21 | -18.77 | -11.17 |
| LAB*LABa | 70.21 | -18.27 | -14.23 |
| LAB*TCHa | 75.0 | 23.17 | 217.91 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|--------|
| lab*lab | 0.674 | -0.393 | -0.306 |
| lab*tch | 0.75 | 0.5 | 0.605 |
| lab*nch | 0.0 | 0.5 | 0.605 |

relative Natural Colour (NC)

| | | | |
|---------|-------|--------|--------|
| lab*lrj | 0.674 | -0.353 | -0.352 |
| lab*tce | 0.75 | 0.5 | 0.625 |
| lab*nce | 0.0 | 0.5 | g49b |

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 | 45.03 | -36.57 | -27.11 |
| LAB*LABa | 45.03 | -36.56 | -28.47 |
| LAB*TCHa | 50.0 | 46.35 | 217.91 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|--------|
| lab*lab | 0.349 | -0.788 | -0.613 |
| lab*tch | 0.5 | 1.0 | 0.605 |
| lab*nch | 0.0 | 1.0 | 0.605 |

relative Natural Colour (NC)

| | | | |
|---------|-------|--------|--------|
| lab*lrj | 0.349 | -0.706 | -0.706 |
| lab*tce | 0.5 | 1.0 | 0.625 |
| lab*nce | 0.0 | 1.0 | g49b |

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 | -0.23 | 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 | 0.5 | (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 | 31.52 | -18.03 | -13.78 |
| LAB*LABa | 31.52 | -18.27 | -14.23 |
| LAB*TCHa | 25.01 | 23.17 | 217.91 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|--------|
| lab*lab | 0.175 | -0.393 | -0.306 |
| lab*tch | 0.25 | 0.5 | 0.605 |
| lab*nch | 0.5 | 0.5 | 0.605 |

relative Natural Colour (NC)

| | | | |
|---------|-------|--------|--------|
| lab*lrj | 0.175 | -0.353 | -0.352 |
| lab*tce | 0.25 | 0.5 | 0.625 |
| lab*nce | 0.5 | 0.5 | g49b |

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

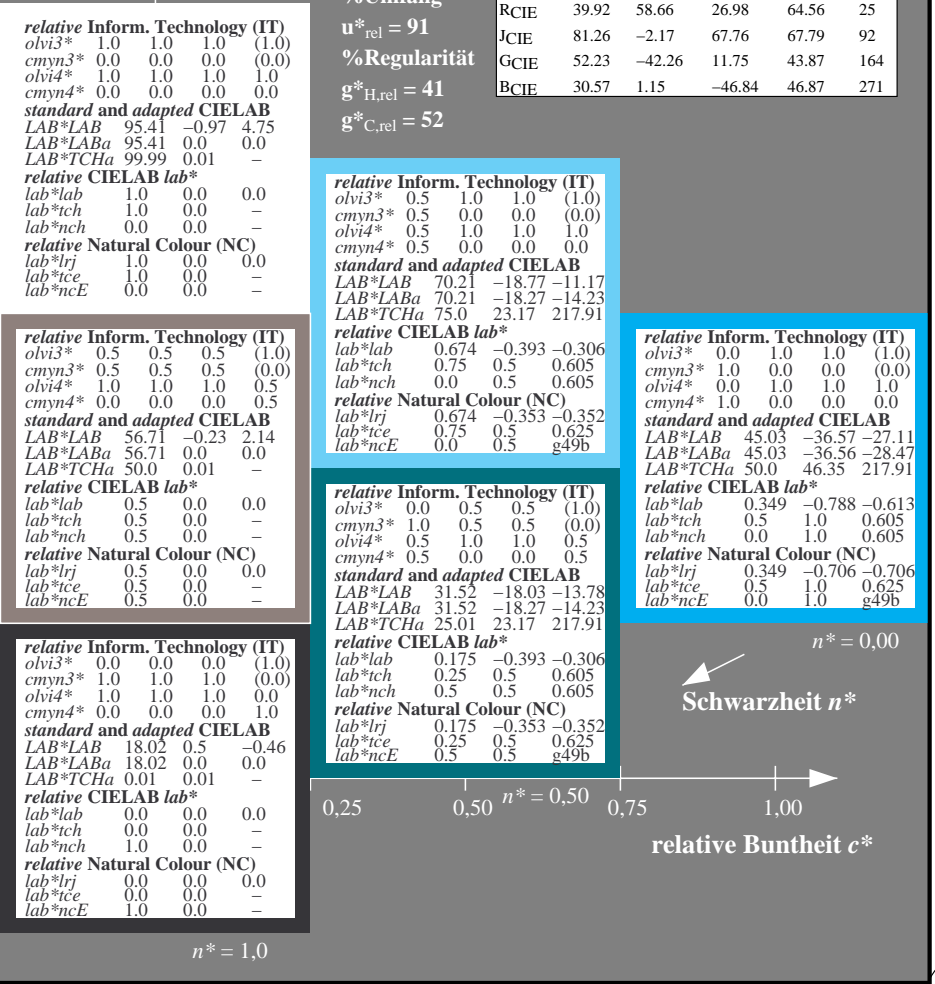
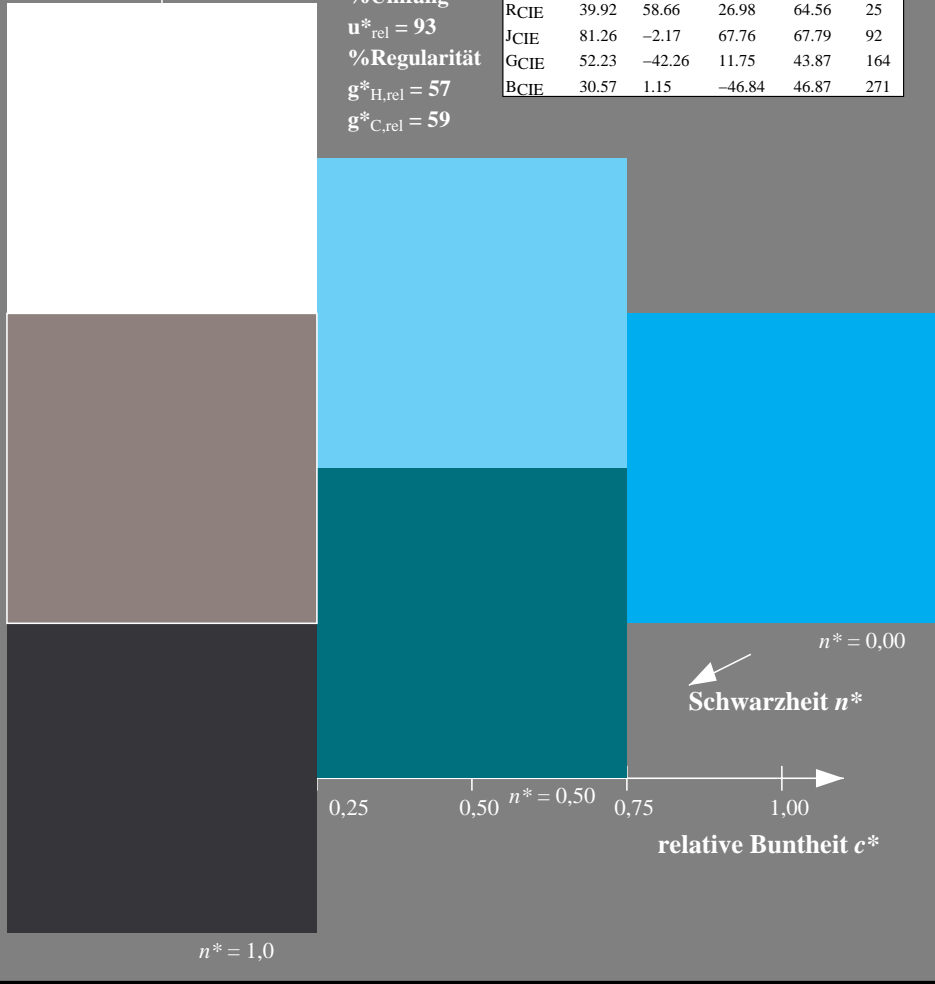
| | | | |
|----------|-------|------|-------|
| LAB*LAB | 18.02 | 0.5 | -0.46 |
| LAB*LABa | 18.02 | 0.0 | 0.0 |
| LAB*TCHa | 0.01 | 0.01 | - |

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 | - |



Siehe ähnliche Dateien: <http://www.ps.bam.de/UG00/>
 Technische Information: <http://www.ps.bam.de/Version 2.1, io=0.0?>

BAM-Registrierung: 20060101-UG00/10L/L00G03SP.PS./PDF BAM-Material: Code=rh4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen
 /UG00/ Form: 4/10, Serie: 1/1, Seite: 4
 Seitenhang 4

UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

3 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

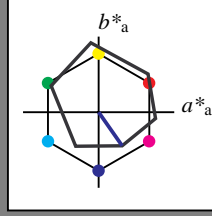
BAM-Prüfvorlage UG00; Farbmétrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$
 D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-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

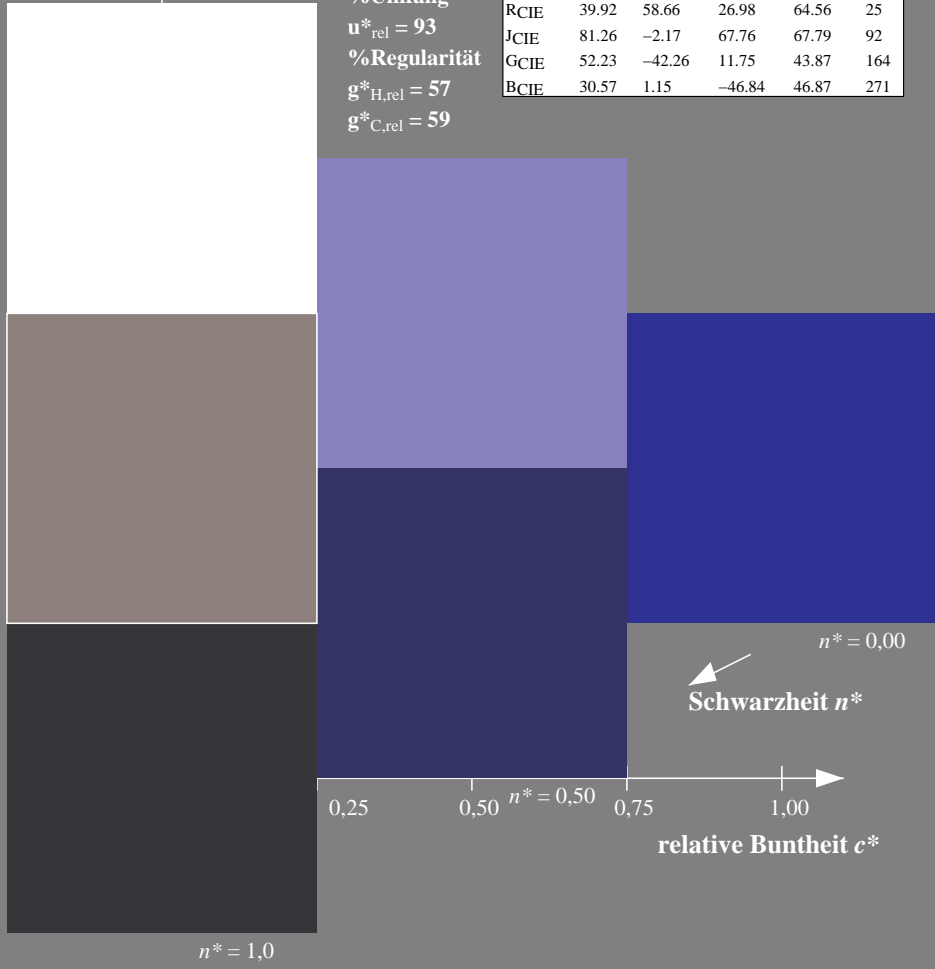
Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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

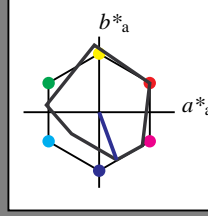


Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$
 lab^*tch und lab^*nch

D65: Buntton B
 LCH*Ma: 37 67 290
 olv*Ma: 0.0 0.0 1.0

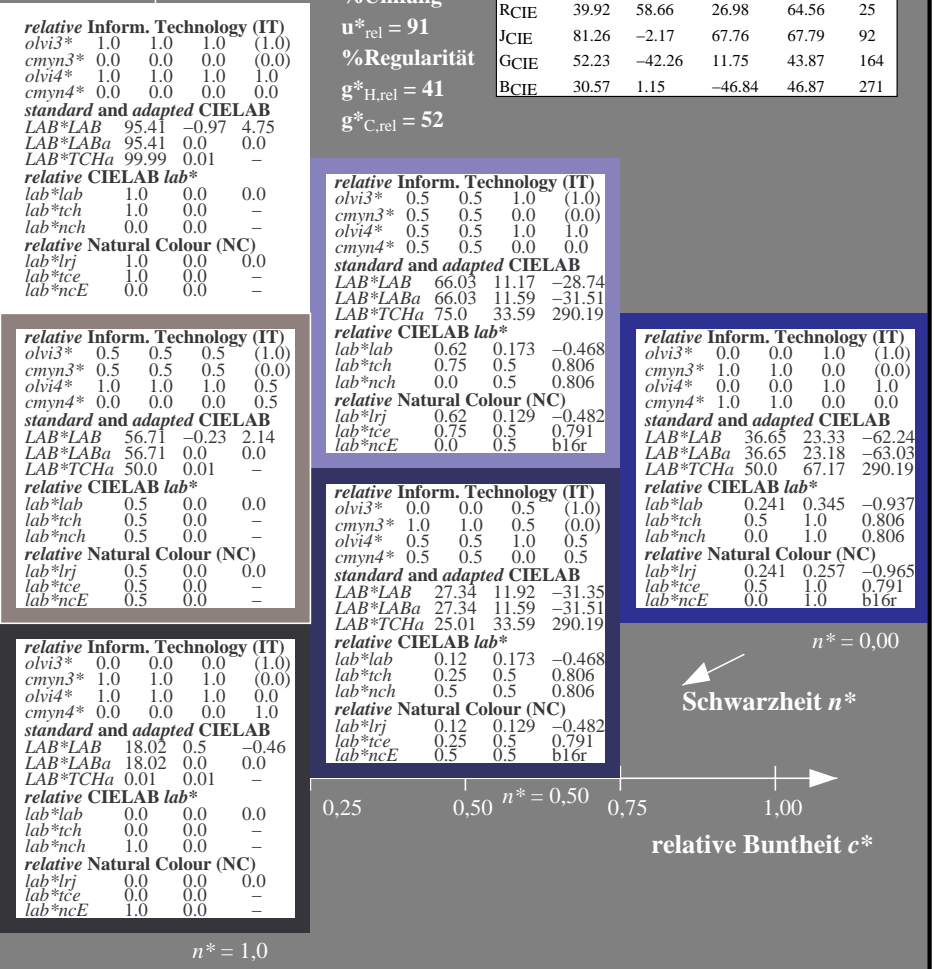
Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$



Siehe ähnliche Dateien: <http://www.ps.bam.de/UG00/>
 Technische Information: <http://www.ps.bam.de/Version 2.1, io=0.0?>

BAM-Registrierung: 20060101-UG00/10L/L00G04SP.PS/.PDF BAM-Material: Code=rh4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
 /UG00/ Form: 5/10, Serie: 1/1, Seite: 5
 Seitenlung 5

UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

3 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

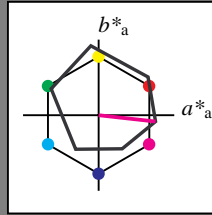
BAM-Prüfvorlage UG00; Farbmatrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$
 D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-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

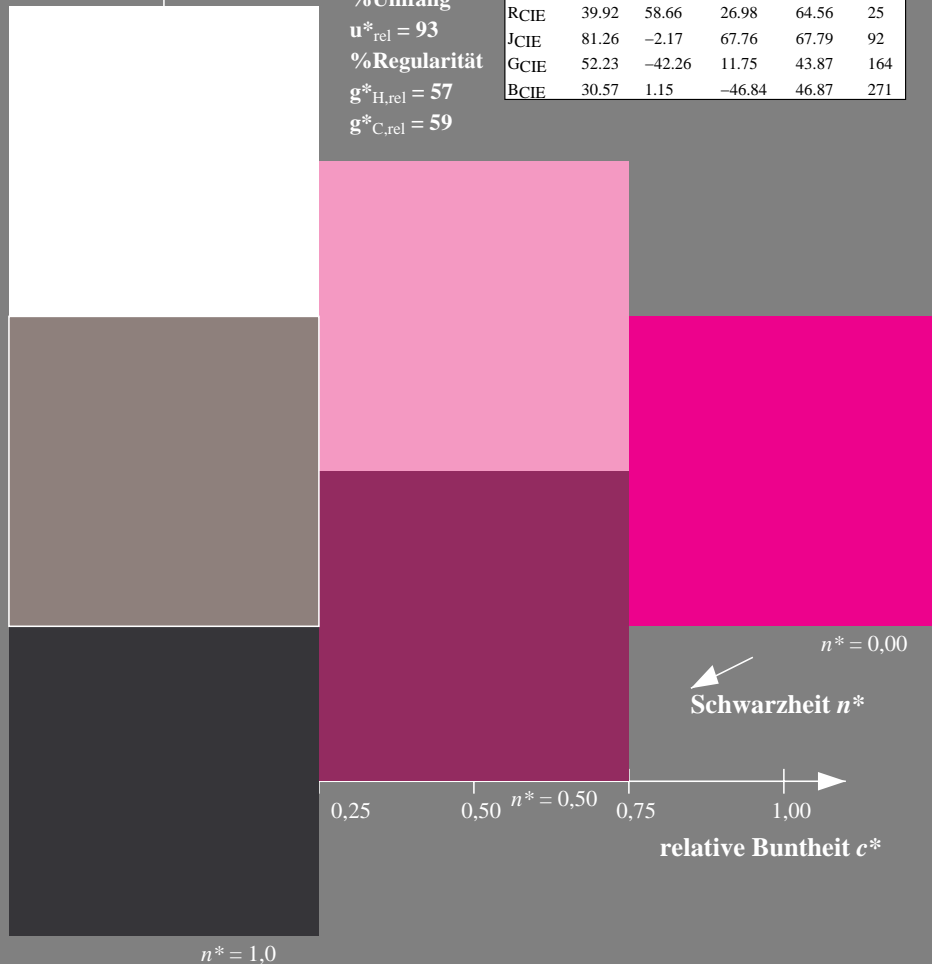
Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| YMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| OMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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

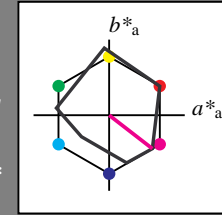


Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$
 lab^*tch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 322
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang
 $u^*_{rel} = 91$
%Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

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 | -0.97 | 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 | 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 | 65.17 | 28.18 | -19.4 |
| LAB*LABa | 65.17 | 28.58 | -22.12 |
| LAB*TCHa | 75.0 | 36.15 | 322.25 |

relative CIELAB lab*

| | | | |
|---------|-------|-------|--------|
| lab*lab | 0.609 | 0.395 | -0.305 |
| lab*tch | 0.75 | 0.5 | 0.895 |
| lab*nch | 0.0 | 0.5 | 0.895 |

relative Natural Colour (NC)

| | | | |
|---------|-------|-------|-------|
| lab*lrj | 0.609 | 0.324 | -0.38 |
| lab*tce | 0.75 | 0.5 | 0.862 |
| lab*nce | 0.0 | 0.5 | b44r |

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 | 34.95 | 57.34 | -43.57 |
| LAB*LABa | 34.95 | 57.16 | -44.25 |
| LAB*TCHa | 50.0 | 72.29 | 322.25 |

relative CIELAB lab*

| | | | |
|---------|-------|-------|--------|
| lab*lab | 0.219 | 0.791 | -0.611 |
| lab*tch | 0.5 | 1.0 | 0.895 |
| lab*nch | 0.0 | 1.0 | 0.895 |

relative Natural Colour (NC)

| | | | |
|---------|-------|-------|-------|
| lab*lrj | 0.219 | 0.648 | -0.76 |
| lab*tce | 0.5 | 1.0 | 0.862 |
| lab*nce | 0.0 | 1.0 | b44r |

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 | -0.23 | 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 | 0.0 | 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 | 26.48 | 28.92 | -22.01 |
| LAB*LABa | 26.48 | 28.58 | -22.12 |
| LAB*TCHa | 25.01 | 36.15 | 322.25 |

relative CIELAB lab*

| | | | |
|---------|-------|-------|--------|
| lab*lab | 0.109 | 0.395 | -0.305 |
| lab*tch | 0.25 | 0.5 | 0.895 |
| lab*nch | 0.5 | 0.5 | 0.895 |

relative Natural Colour (NC)

| | | | |
|---------|-------|-------|-------|
| lab*lrj | 0.109 | 0.324 | -0.38 |
| lab*tce | 0.25 | 0.5 | 0.862 |
| lab*nce | 0.5 | 0.5 | b44r |

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 | -0.46 |
| 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 | 0.0 | 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 | 34.95 | 57.34 | -43.57 |
| LAB*LABa | 34.95 | 57.16 | -44.25 |
| LAB*TCHa | 50.0 | 72.29 | 322.25 |

relative CIELAB lab*

| | | | |
|---------|-------|-------|--------|
| lab*lab | 0.219 | 0.791 | -0.611 |
| lab*tch | 0.5 | 1.0 | 0.895 |
| lab*nch | 0.0 | 1.0 | 0.895 |

relative Natural Colour (NC)

| | | | |
|---------|-------|-------|-------|
| lab*lrj | 0.219 | 0.648 | -0.76 |
| lab*tce | 0.5 | 1.0 | 0.862 |
| lab*nce | 0.0 | 1.0 | b44r |

3 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

BAM-Prüfvorlage UG00; Farbmatrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$

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

Eingabe: Farbmétrisches Reflexions-System ORS18

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

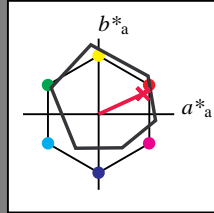
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

Table with 6 columns: L*, a*, b*, C*ab,a, h*ab,a. Rows include color names like YMa, OMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Ausgabe: Farbmétrisches Reflexions-System MRS18

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

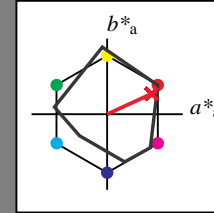
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

olv*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

Table with 6 columns: L*, a*, b*, C*ab,a, h*ab,a. Rows include color names like RMa, JMa, GMa, G50BMa, BMa, B50RMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Umfang

$u^*_{rel} = 91$

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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 -0.97 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 -0.23 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 -0.46
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 0.548 (1.0)
cmyn3* 0.0 0.5 0.452 (0.0)
olvi4* 1.0 0.5 0.549 1.0
cmyn4* 0.0 0.5 0.451 0.0

standard and adapted CIELAB
LAB*LAB 71.8 32.47 18.34
LAB*LABa 71.8 33.0 15.17
LAB*TCHa 75.0 36.32 24.7

relative CIELAB lab*
lab*lab 0.695 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 0.695 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 0.048 (1.0)
cmyn3* 0.5 1.0 0.952 (0.0)
olvi4* 1.0 0.5 0.548 0.5
cmyn4* 0.0 0.5 0.452 0.5

standard and adapted CIELAB
LAB*LAB 33.11 33.21 15.74
LAB*LABa 33.11 33.0 15.18
LAB*TCHa 25.01 36.33 24.71

relative CIELAB lab*
lab*lab 0.195 0.454 0.209
lab*tch 0.25 0.5 0.069
lab*nch 0.5 0.5 0.069

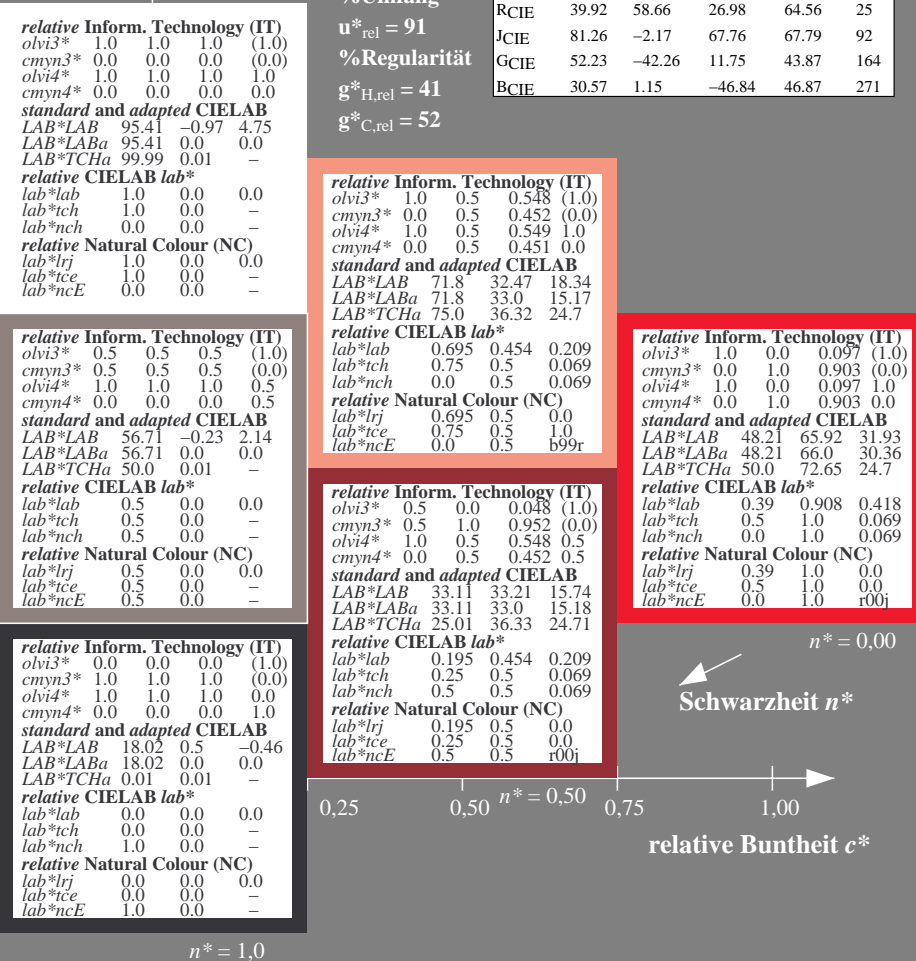
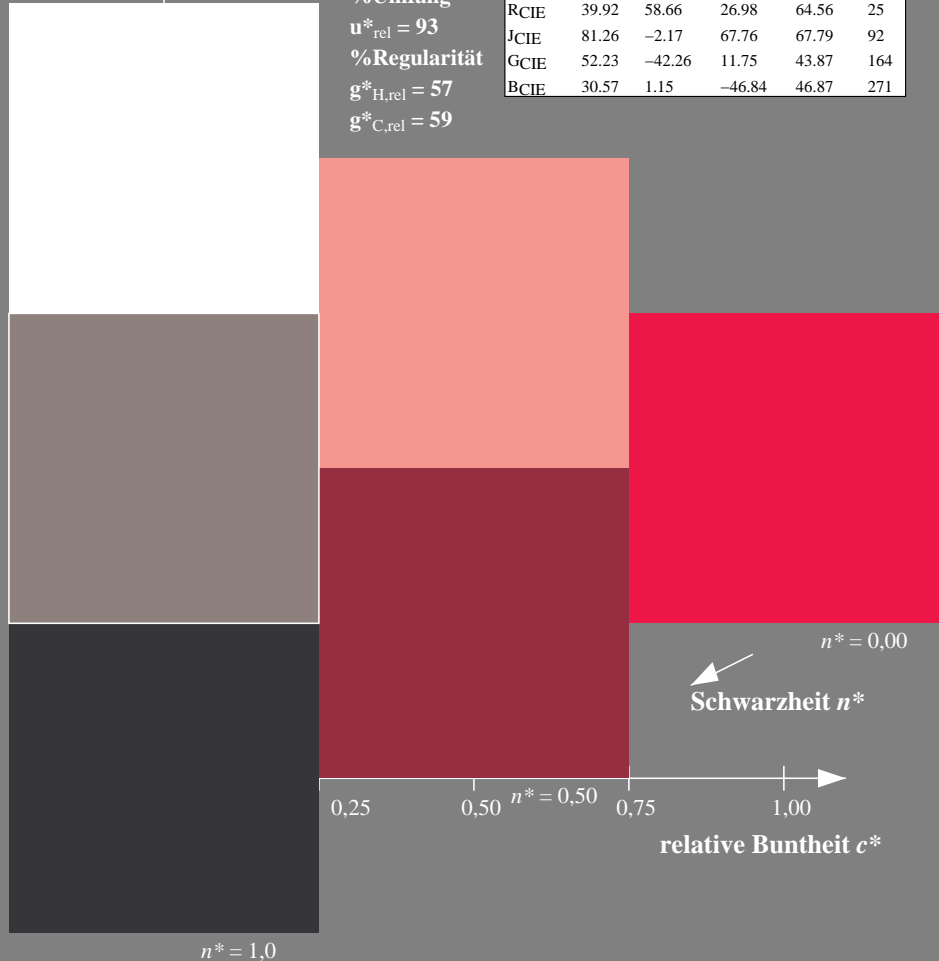
relative Natural Colour (NC)
lab*lrj 0.195 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.00j

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.097 (1.0)
cmyn3* 0.0 1.0 0.903 (0.0)
olvi4* 1.0 0.0 0.097 1.0
cmyn4* 0.0 1.0 0.903 0.0

standard and adapted CIELAB
LAB*LAB 48.21 65.92 31.93
LAB*LABa 48.21 66.0 30.36
LAB*TCHa 50.0 72.65 24.7

relative CIELAB lab*
lab*lab 0.39 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 0.39 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/UG00/ Technische Information: http://www.ps.bam.de Version 2.1, io=0.0?

BAM-Registrierung: 20060101-UG00/10L/L00G06SP.PS/.PDF BAM-Material: Code=rh4ta Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen /UG00/ Form: 7/10, Serie: 1/1, Seite: 7 Seite: 7

Eingabe: Farbmatisches Reflexions-System ORS18

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

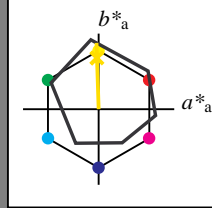
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Ausgabe: Farbmatisches Reflexions-System MRS18

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

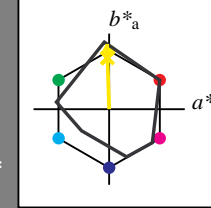
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

olv*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang

$u^*_{rel} = 91$

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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 | -0.97 | 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 | -0.23 | 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 | -0.46 |
| 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 | 0.976 | 0.5 | (1.0) |
| cmyn3* | 0.0 | 0.024 | 0.5 | (0.0) |
| olvi4* | 1.0 | 0.976 | 0.5 | 1.0 |
| cmyn4* | 0.0 | 0.024 | 0.5 | 0.0 |

standard and adapted CIELAB

| | | | |
|----------|-------|-------|-------|
| LAB*LAB | 92.04 | -2.3 | 47.67 |
| LAB*LABa | 92.04 | -1.39 | 43.14 |
| LAB*TCHa | 75.0 | 43.16 | 91.85 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|-------|
| lab*lab | 0.957 | -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 | 0.957 | 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 | 0.476 | 0.0 | (1.0) |
| cmyn3* | 0.5 | 0.524 | 1.0 | (0.0) |
| olvi4* | 1.0 | 0.976 | 0.5 | 0.5 |
| cmyn4* | 0.0 | 0.024 | 0.5 | 0.5 |

standard and adapted CIELAB

| | | | |
|----------|-------|-------|-------|
| LAB*LAB | 53.35 | -1.55 | 45.05 |
| LAB*LABa | 53.35 | -1.38 | 43.13 |
| LAB*TCHa | 25.01 | 43.16 | 91.84 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|-------|
| lab*lab | 0.457 | -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 | 0.457 | 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 | 0.951 | 0.0 | (1.0) |
| cmyn3* | 0.0 | 0.049 | 1.0 | (0.0) |
| olvi4* | 1.0 | 0.951 | 0.0 | 1.0 |
| cmyn4* | 0.0 | 0.049 | 1.0 | 0.0 |

standard and adapted CIELAB

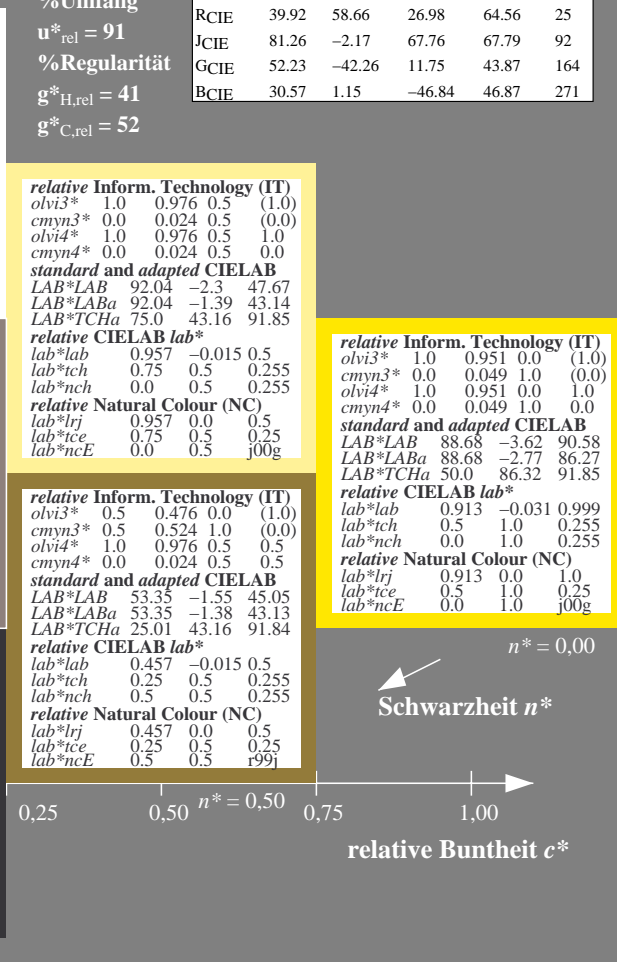
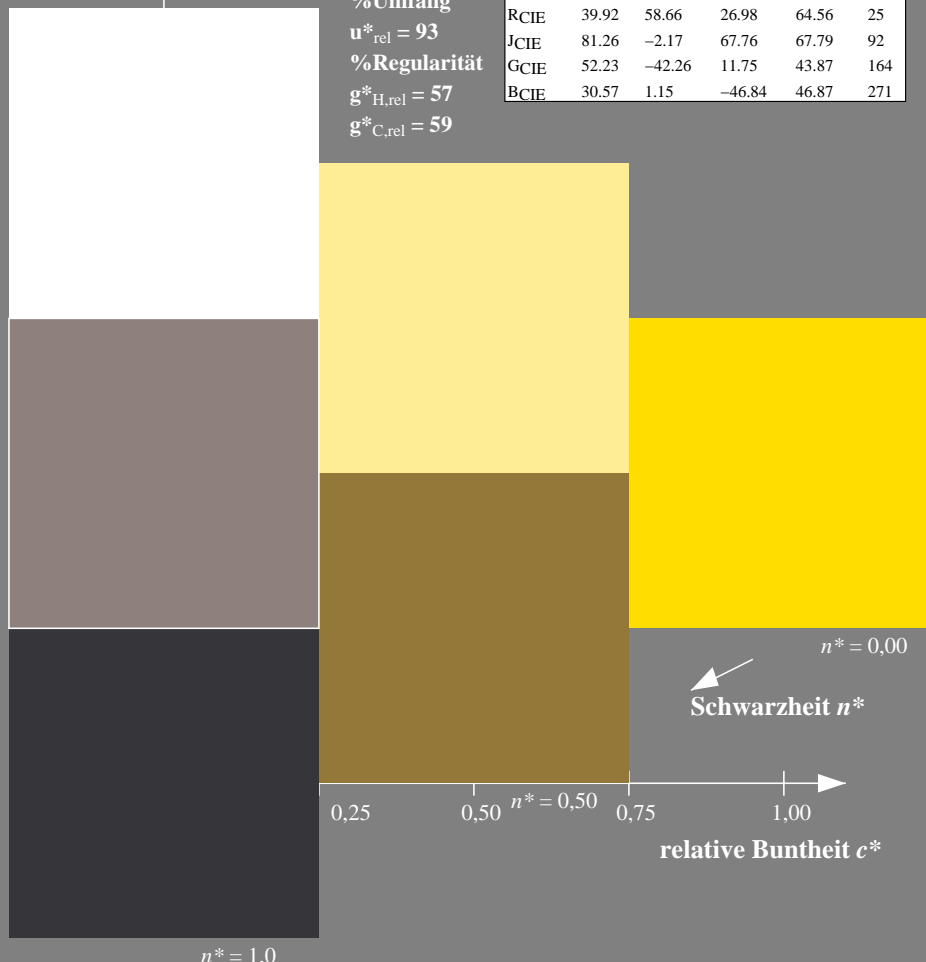
| | | | |
|----------|-------|-------|-------|
| LAB*LAB | 88.68 | -3.62 | 90.58 |
| LAB*LABa | 88.68 | -2.77 | 86.27 |
| LAB*TCHa | 50.0 | 86.32 | 91.85 |

relative CIELAB lab*

| | | | |
|---------|-------|--------|-------|
| lab*lab | 0.913 | -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 | 0.913 | 0.0 | 1.0 |
| lab*tce | 0.5 | 1.0 | 0.25 |
| lab*nce | 0.0 | 1.0 | j00g |



UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage UG00; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*

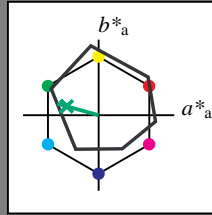
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *Startup (S) data dependend*

Eingabe: Farbmétrisches Reflexions-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

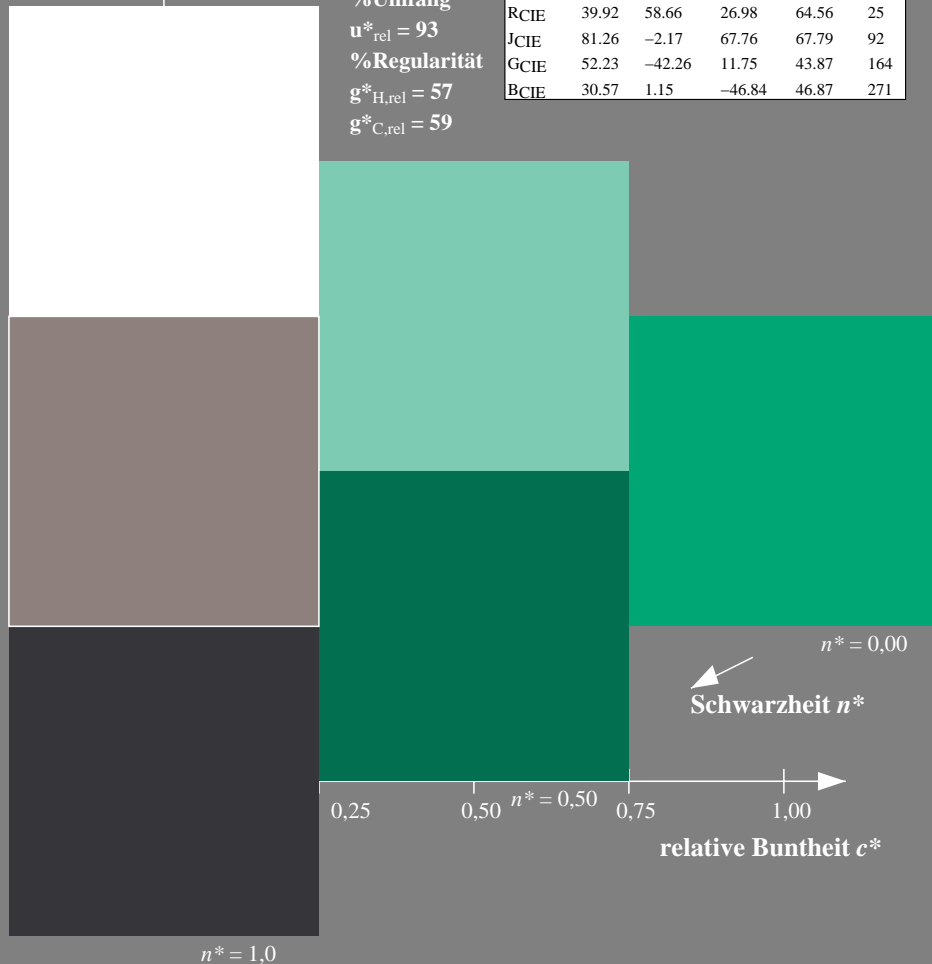
Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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

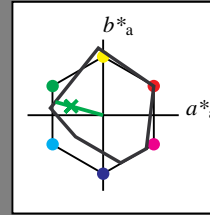


Ausgabe: Farbmétrisches Reflexions-System MRS18

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

D65: Buntton G
LCH*Ma: 56 66 164
olv*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Umfang
 $u^*_{rel} = 91$
%Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

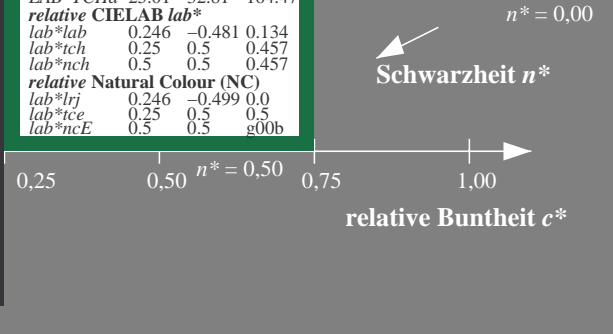
relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.0 0.0$
standard and adapted CIELAB
 $LAB^*LAB 95.41 -0.97 4.75$
 $LAB^*LABa 95.41 0.0 0.0$
 $LAB^*TCHa 99.99 0.01 -$
relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 -$
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)
 $olvi3^* 0.551 1.0 0.5 (1.0)$
 $cmyn3^* 0.449 0.0 0.5 (0.0)$
 $olvi4^* 0.551 1.0 0.5 1.0$
 $cmyn4^* 0.449 0.0 0.5 0.0$
standard and adapted CIELAB
 $LAB^*LAB 75.74 -32.2 12.22$
 $LAB^*LABa 75.74 -31.6 8.79$
 $LAB^*TCHa 75.0 32.81 164.46$
relative CIELAB lab*
 $lab^*lab 0.746 -0.481 0.134$
 $lab^*tch 0.75 0.5 0.457$
 $lab^*nch 0.0 0.5 0.457$
relative Natural Colour (NC)
 $lab^*lrj 0.746 -0.499 0.0$
 $lab^*tce 0.75 0.5 0.5$
 $lab^*nce 0.0 0.5 0.99g$

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
 $LAB^*LAB 56.71 -0.23 2.14$
 $LAB^*LABa 56.71 0.0 0.0$
 $LAB^*TCHa 50.0 0.01 -$
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)
 $olvi3^* 0.051 0.5 0.0 (1.0)$
 $cmyn3^* 0.949 0.5 1.0 (0.0)$
 $olvi4^* 0.551 1.0 0.5 0.5$
 $cmyn4^* 0.449 0.0 0.5 0.5$
standard and adapted CIELAB
 $LAB^*LAB 37.04 -31.47 9.6$
 $LAB^*LABa 37.04 -31.6 8.78$
 $LAB^*TCHa 25.01 32.81 164.47$
relative CIELAB lab*
 $lab^*lab 0.246 -0.481 0.134$
 $lab^*tch 0.25 0.5 0.457$
 $lab^*nch 0.5 0.5 0.457$
relative Natural Colour (NC)
 $lab^*lrj 0.246 -0.499 0.0$
 $lab^*tce 0.25 0.5 0.5$
 $lab^*nce 0.5 0.5 g00b$

relative Inform. Technology (IT)
 $olvi3^* 0.103 1.0 0.0 (1.0)$
 $cmyn3^* 0.897 0.0 1.0 (0.0)$
 $olvi4^* 0.103 1.0 0.0 1.0$
 $cmyn4^* 0.897 0.0 1.0 0.0$
standard and adapted CIELAB
 $LAB^*LAB 56.07 -63.44 19.68$
 $LAB^*LABa 56.07 -63.21 17.58$
 $LAB^*TCHa 50.0 65.62 164.46$
relative CIELAB lab*
 $lab^*lab 0.492 -0.962 0.268$
 $lab^*tch 0.5 1.0 0.457$
 $lab^*nch 0.0 1.0 0.457$
relative Natural Colour (NC)
 $lab^*lrj 0.492 -0.999 0.0$
 $lab^*tce 0.5 1.0 0.5$
 $lab^*nce 0.0 1.0 g00b$



relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0 (1.0)$
 $cmyn3^* 1.0 1.0 1.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 0.0$
 $cmyn4^* 0.0 0.0 0.0 1.0$
standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*LABa 18.02 0.0 0.0$
 $LAB^*TCHa 0.01 0.01 -$
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)
 $lab^*lrj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

UG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

3 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage UG00; Farbmétrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$

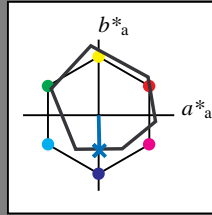
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

Eingabe: Farbmatisches Reflexions-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

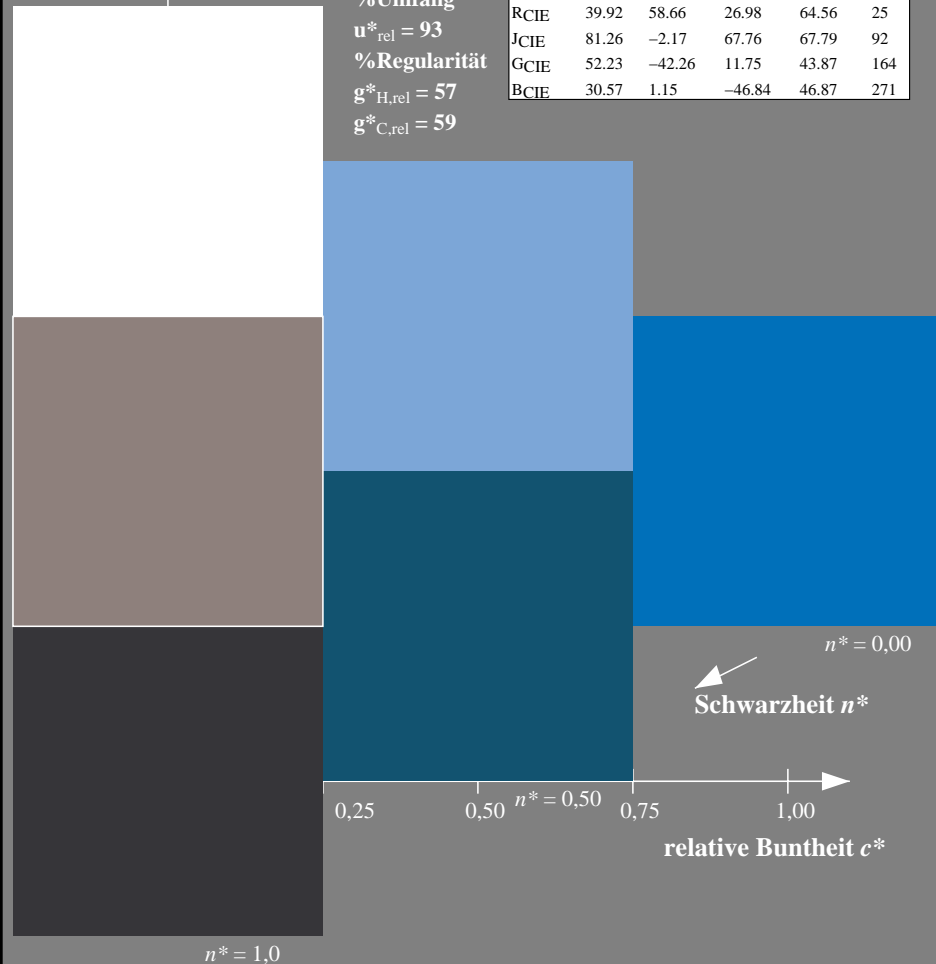
Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| YMa | 90.37 | -10.27 | 91.77 | 92.34 | 96 |
| LMa | 50.9 | -62.79 | 34.95 | 71.87 | 151 |
| CMa | 58.62 | -30.35 | -45.01 | 54.3 | 236 |
| VMa | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| MMa | 48.13 | 75.27 | -8.35 | 75.73 | 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

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

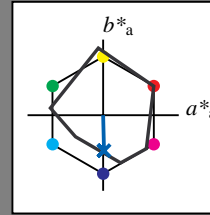


Ausgabe: Farbmatisches Reflexions-System MRS18

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

D65: Buntton B
LCH*Ma: 40 50 271
olv*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit t^*



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 -0.97 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 -0.23 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 -
 $lab^*nce = 1.0$ 0.0 -

%Umfang
 $u^*_{rel} = 91$
%Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$ 0.684 1.0 (1.0)
 $cmyn3^* = 0.5$ 0.316 0.0 (0.0)
 $olvi4^* = 0.5$ 0.684 1.0 1.0
 $cmyn4^* = 0.5$ 0.316 0.0 0.0

standard and adapted CIELAB
LAB*LAB 67.57 0.17 -22.28
LAB*LABa 67.57 0.61 -25.16
LAB*TCHa 75.0 25.18 271.4

relative CIELAB lab*
 $lab^*lab = 0.64$ 0.012 -0.499
 $lab^*tch = 0.75$ 0.5 0.754
 $lab^*nch = 0.0$ 0.5 0.754

relative Natural Colour (NC)
 $lab^*lrj = 0.64$ 0.0 -0.499
 $lab^*tce = 0.75$ 0.5 0.75
 $lab^*nce = 0.0$ 0.5 0.999

relative Inform. Technology (IT)
 $olvi3^* = 0.0$ 0.184 0.5 (1.0)
 $cmyn3^* = 1.0$ 0.816 0.5 (0.0)
 $olvi4^* = 0.5$ 0.684 1.0 0.5
 $cmyn4^* = 0.5$ 0.316 0.0 0.5

standard and adapted CIELAB
LAB*LAB 28.87 0.92 -24.9
LAB*LABa 28.87 0.62 -25.16
LAB*TCHa 25.01 25.18 271.41

relative CIELAB lab*
 $lab^*lab = 0.14$ 0.012 -0.499
 $lab^*tch = 0.25$ 0.5 0.754
 $lab^*nch = 0.5$ 0.5 0.754

relative Natural Colour (NC)
 $lab^*lrj = 0.14$ 0.0 -0.499
 $lab^*tce = 0.25$ 0.5 0.75
 $lab^*nce = 0.5$ 0.5 0.999

MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

relative Inform. Technology (IT)
 $olvi3^* = 0.0$ 0.367 1.0 (1.0)
 $cmyn3^* = 1.0$ 0.633 0.0 (0.0)
 $olvi4^* = 0.0$ 0.367 1.0 1.0
 $cmyn4^* = 1.0$ 0.633 0.0 0.0

standard and adapted CIELAB
LAB*LAB 39.73 1.32 -49.33
LAB*LABa 39.73 1.23 -50.34
LAB*TCHa 50.0 50.36 271.41

relative CIELAB lab*
 $lab^*lab = 0.281$ 0.025 -0.998
 $lab^*tch = 0.5$ 1.0 0.754
 $lab^*nch = 0.0$ 1.0 0.754

relative Natural Colour (NC)
 $lab^*lrj = 0.281$ 0.0 -0.999
 $lab^*tce = 0.5$ 1.0 0.75
 $lab^*nce = 0.0$ 1.0 0.999

relative Inform. Technology (IT)
 $olvi3^* = 0.0$ 0.184 0.5 (1.0)
 $cmyn3^* = 1.0$ 0.816 0.5 (0.0)
 $olvi4^* = 0.5$ 0.684 1.0 0.5
 $cmyn4^* = 0.5$ 0.316 0.0 0.5

standard and adapted CIELAB
LAB*LAB 28.87 0.92 -24.9
LAB*LABa 28.87 0.62 -25.16
LAB*TCHa 25.01 25.18 271.41

relative CIELAB lab*
 $lab^*lab = 0.14$ 0.012 -0.499
 $lab^*tch = 0.25$ 0.5 0.754
 $lab^*nch = 0.5$ 0.5 0.754

relative Natural Colour (NC)
 $lab^*lrj = 0.14$ 0.0 -0.499
 $lab^*tce = 0.25$ 0.5 0.75
 $lab^*nce = 0.5$ 0.5 0.999

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Seite: 10