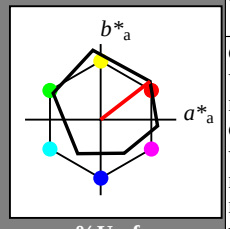
**Eingabe: Farbmetrisches Reflexions-System ORS18**
**für Buntton *h* = lab*h = 38/360 = 0.105***
***lab*tch* und *lab*nch***

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

**Dreiecks-Helligkeit**

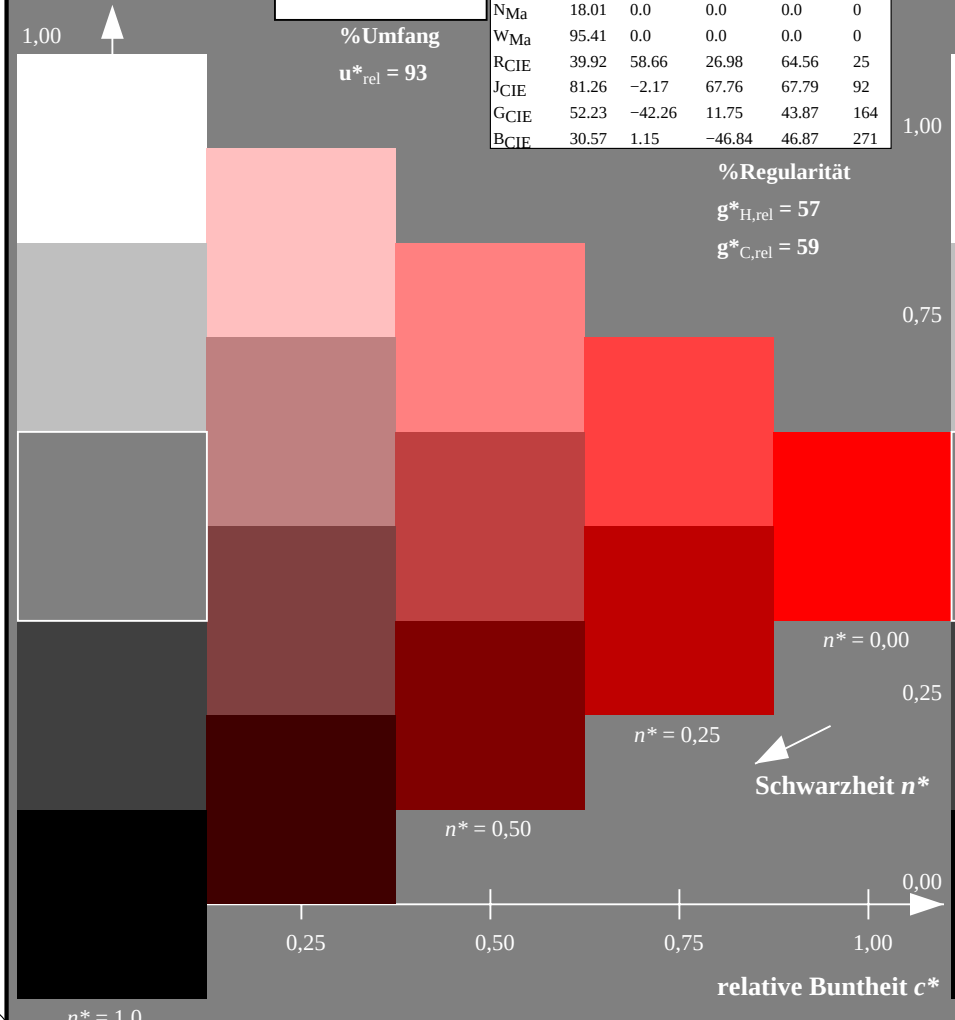



**%Umfang**
**u*rel = 93**

**ORS18; adaptierte CIELAB-Daten**

| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

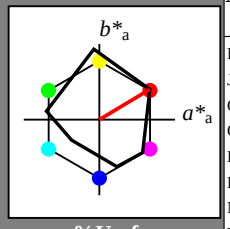
**%Regularität**
**g*H,rel = 57**
**g*C,rel = 59**




**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 31/360 = 0.086***
***lab*tch* und *lab*nch***

**D65: Buntton R**
**LCH*Ma: 50 78 31**
**rgb*Ma: 1.0 0.0 0.0**

**Dreiecks-Helligkeit**

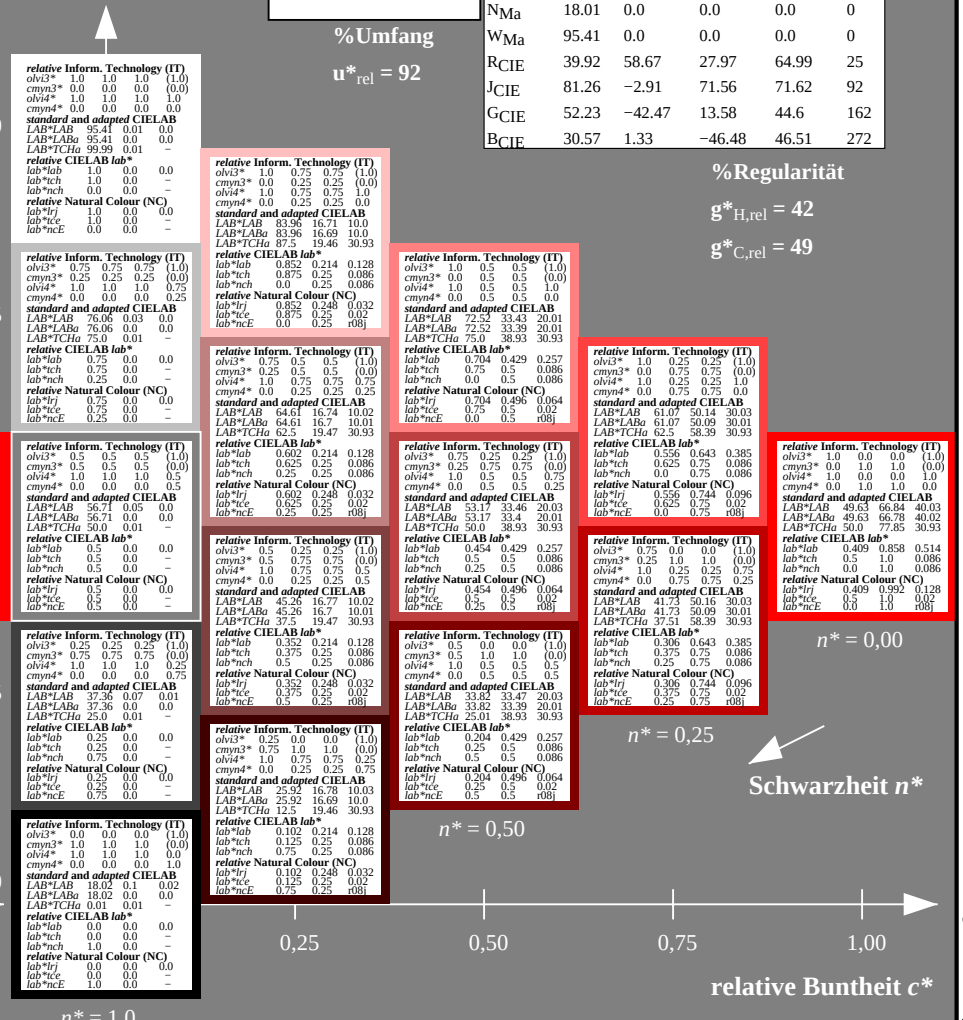



**%Umfang**
**u*rel = 92**

**MRS18a; adaptierte CIELAB-Daten**

| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**
**g*H,rel = 42**
**g*C,rel = 49**




TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (rechts)

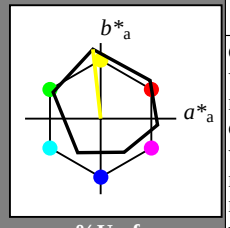


input: *olv* setrgbcolor*
output: *no change compared to input*

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 1.0 1.0 0.0**

**Dreiecks-Helligkeit**




**%Umfang**

**u*$_{rel}$ = 93**

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

**%Regularität**

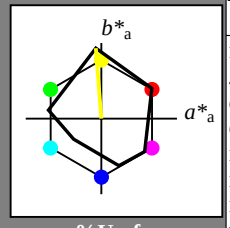
**g*$_{H,rel}$ = 57**

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

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 94/360 = 0.262***
***lab*tch* und *lab*nch***

**D65: Buntton J**
**LCH*Ma: 91 93 94**
**rgb*Ma: 1.0 1.0 0.0**

**Dreiecks-Helligkeit**




**%Umfang**

**u*$_{rel}$ = 92**

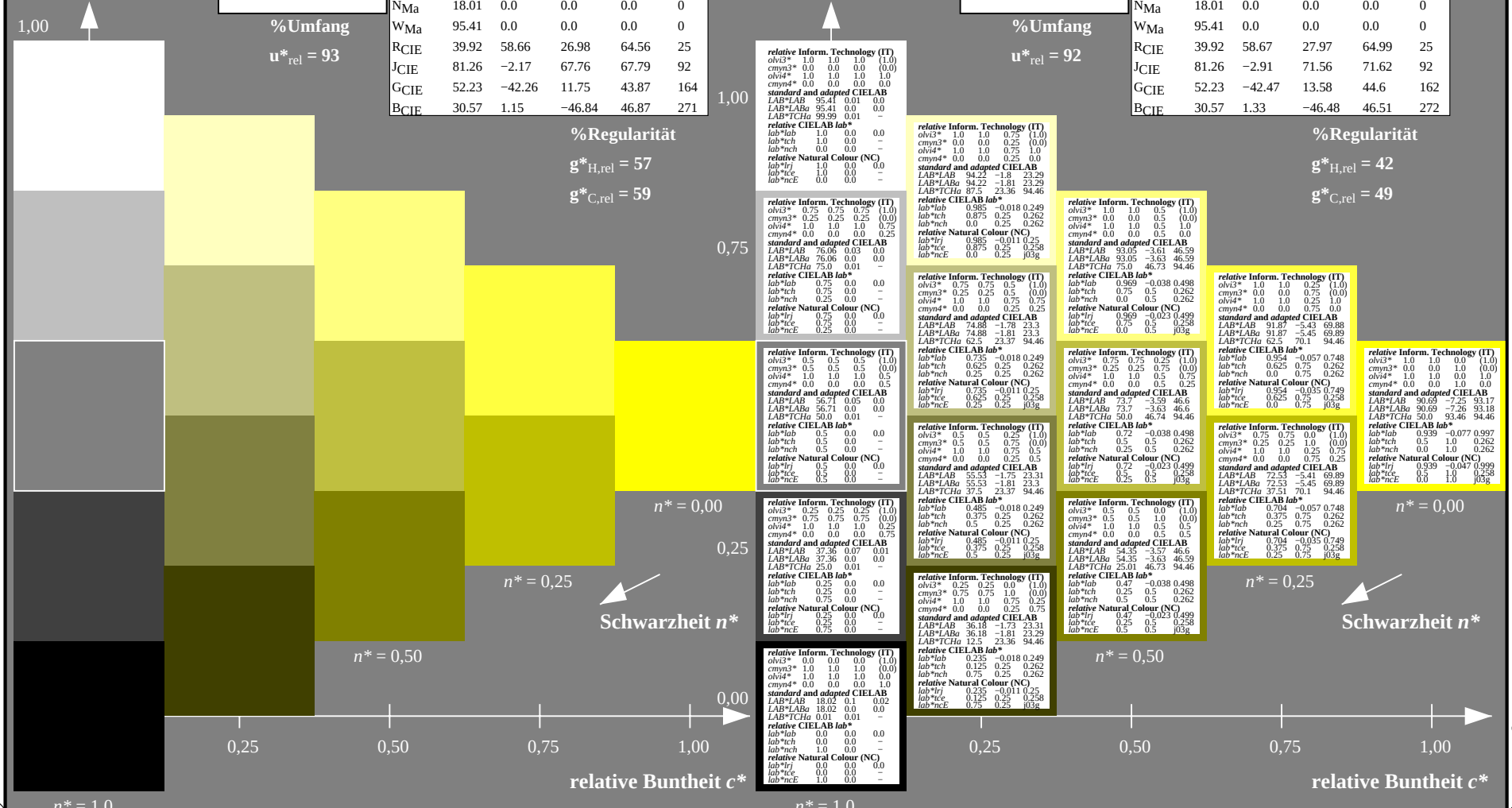
**MRS18a; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**

**g*$_{H,rel}$ = 42**

**g*$_{C,rel}$ = 49**




TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (rechts)

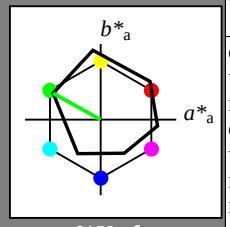
BAM-Prüfvorlage TG41; Farbmetrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: *olv* setrgbcolor*
output: *no change compared to input*

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 0.0 1.0 0.0**

**Dreiecks-Helligkeit**




**%Umfang**
**u*rel = 93**

**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 |

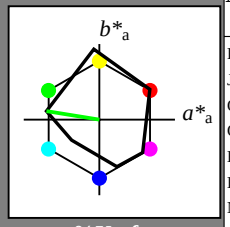
**%Regularität**
**g*H,rel = 57**
**g*C,rel = 59**

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

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 171/360 = 0.475***
***lab*tch* und *lab*nch***

**D65: Buntton G**
**LCH*Ma: 52 71 171**
**rgb*Ma: 0.0 1.0 0.0**

**Dreiecks-Helligkeit**




**%Umfang**
**u*rel = 92**

**MRS18a; adaptierte CIELAB-Daten**

| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**
**g*H,rel = 42**
**g*C,rel = 49**

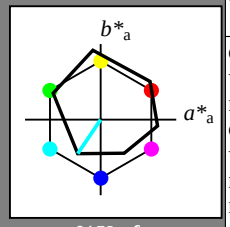
1,00
0,75
0,25
0,00
*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0
Schwarzheit *n**
0,25 0,50 0,75 1,00
relative Buntheit *c**

TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)
5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (rechts)

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 0.0 1.0 1.0**

**Dreiecks-Helligkeit**




**%Umfang**

**u*$_{rel}$ = 93**

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

**%Regularität**

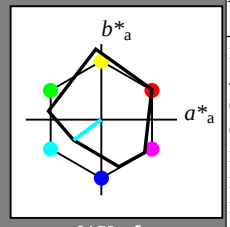
**g*$_{H,rel}$ = 57**

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

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 217/360 = 0.601***
***lab*tch* und *lab*nch***

**D65: Buntton G50B**
**LCH*Ma: 45 46 217**
**rgb*Ma: 0.0 1.0 1.0**

**Dreiecks-Helligkeit**




**%Umfang**

**u*$_{rel}$ = 92**

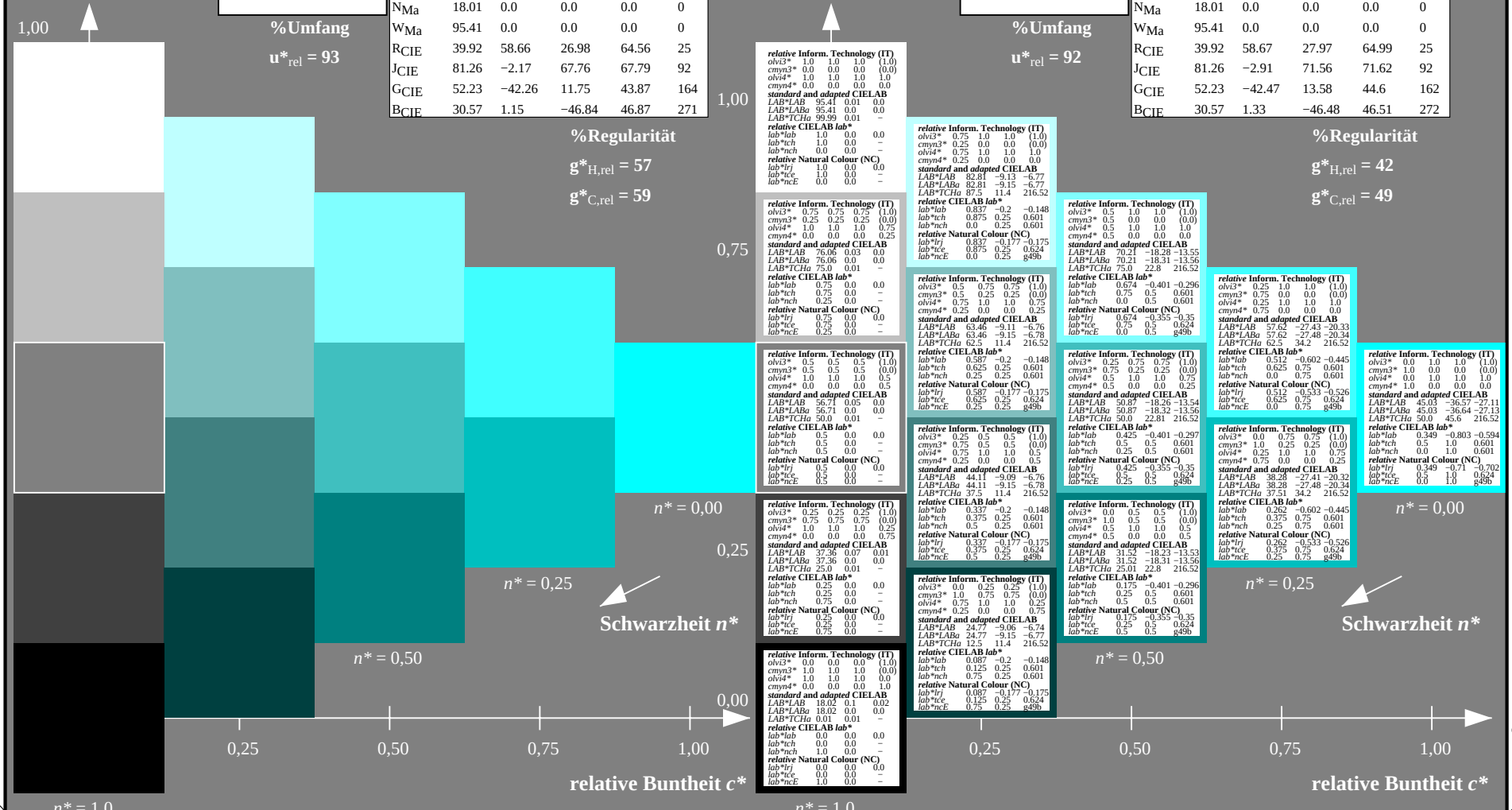
**MRS18a; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**

**g*$_{H,rel}$ = 42**

**g*$_{C,rel}$ = 49**




TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (rechts)

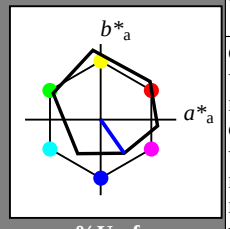
BAM-Prüfvorlage TG41; Farbmetrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: *olv* setrgbcolor*
output: *no change compared to input*

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 0.0 0.0 1.0**

**Dreiecks-Helligkeit**




**%Umfang**
**u*$_{rel}$ = 93**

**ORS18; adaptierte CIELAB-Daten**

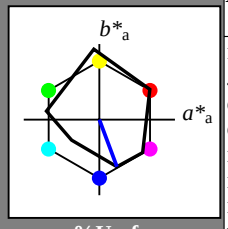
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

**%Regularität**
**g*$_{H,rel}$ = 57**
**g*$_{C,rel}$ = 59**

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 290/360 = 0.807***
***lab*tch* und *lab*nch***

**D65: Buntton B**
**LCH*Ma: 37 66 290**
**rgb*Ma: 0.0 0.0 1.0**

**Dreiecks-Helligkeit**

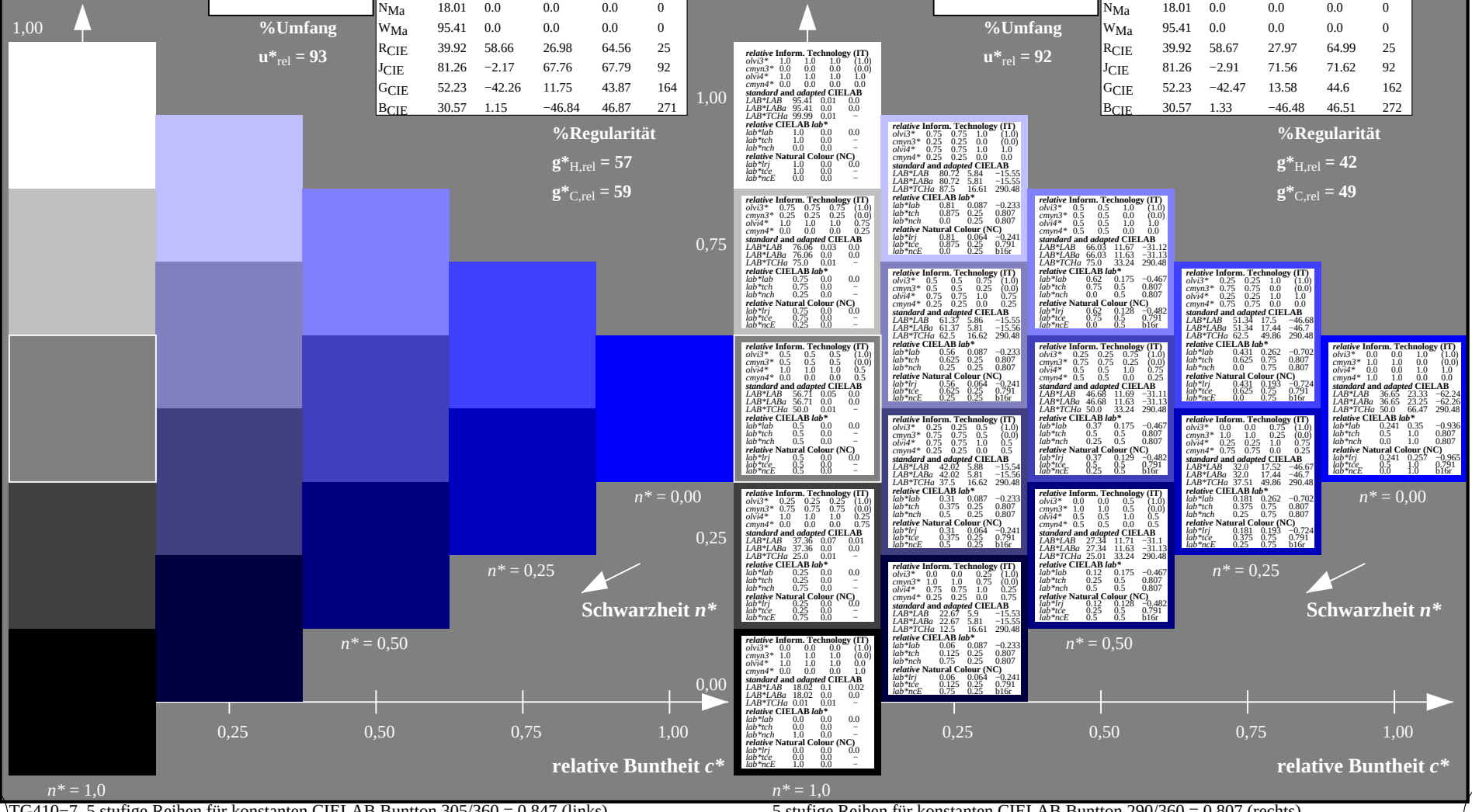



**%Umfang**
**u*$_{rel}$ = 92**

**MRS18a; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**
**g*$_{H,rel}$ = 42**
**g*$_{C,rel}$ = 49**




TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

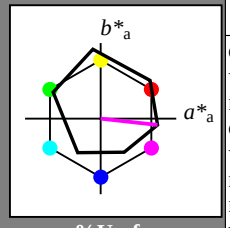
BAM-Prüfvorlage TG41; Farbmetrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: *olv* setrgbcolor*
output: *no change compared to input*

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 1.0 0.0 1.0**

**Dreiecks-Helligkeit**




**%Umfang**
**u*rel = 93**

**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 |

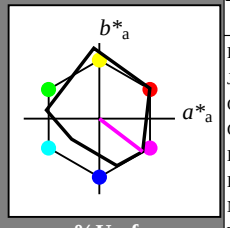
**%Regularität**
**g*H,rel = 57**
**g*C,rel = 59**

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

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 323/360 = 0.896***
***lab*tch* und *lab*nch***

**D65: Buntton B50R**
**LCH*Ma: 35 72 323**
**rgb*Ma: 1.0 0.0 1.0**

**Dreiecks-Helligkeit**




**%Umfang**
**u*rel = 92**

**MRS18a; adaptierte CIELAB-Daten**

| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**
**g*H,rel = 42**
**g*C,rel = 49**

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

TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)
5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (rechts)

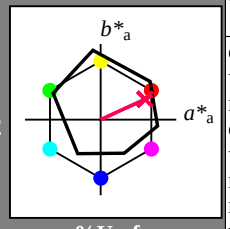
BAM-Prüfvorlage TG41; Farbmetrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: *olv* setrgbcolor*
output: *no change compared to input*

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 1.0 0.0 0.32**

**Dreiecks-Helligkeit**




**%Umfang**
**$u^*_{rel}$ = 93**

**ORS18; adaptierte CIELAB-Daten**

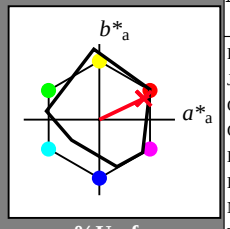
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

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

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 25/360 = 0.071***
***lab*tch* und *lab*nch***

**D65: Buntton R**
**LCH*Ma: 48 73 25**
**rgb*Ma: 1.0 0.0 0.1**

**Dreiecks-Helligkeit**

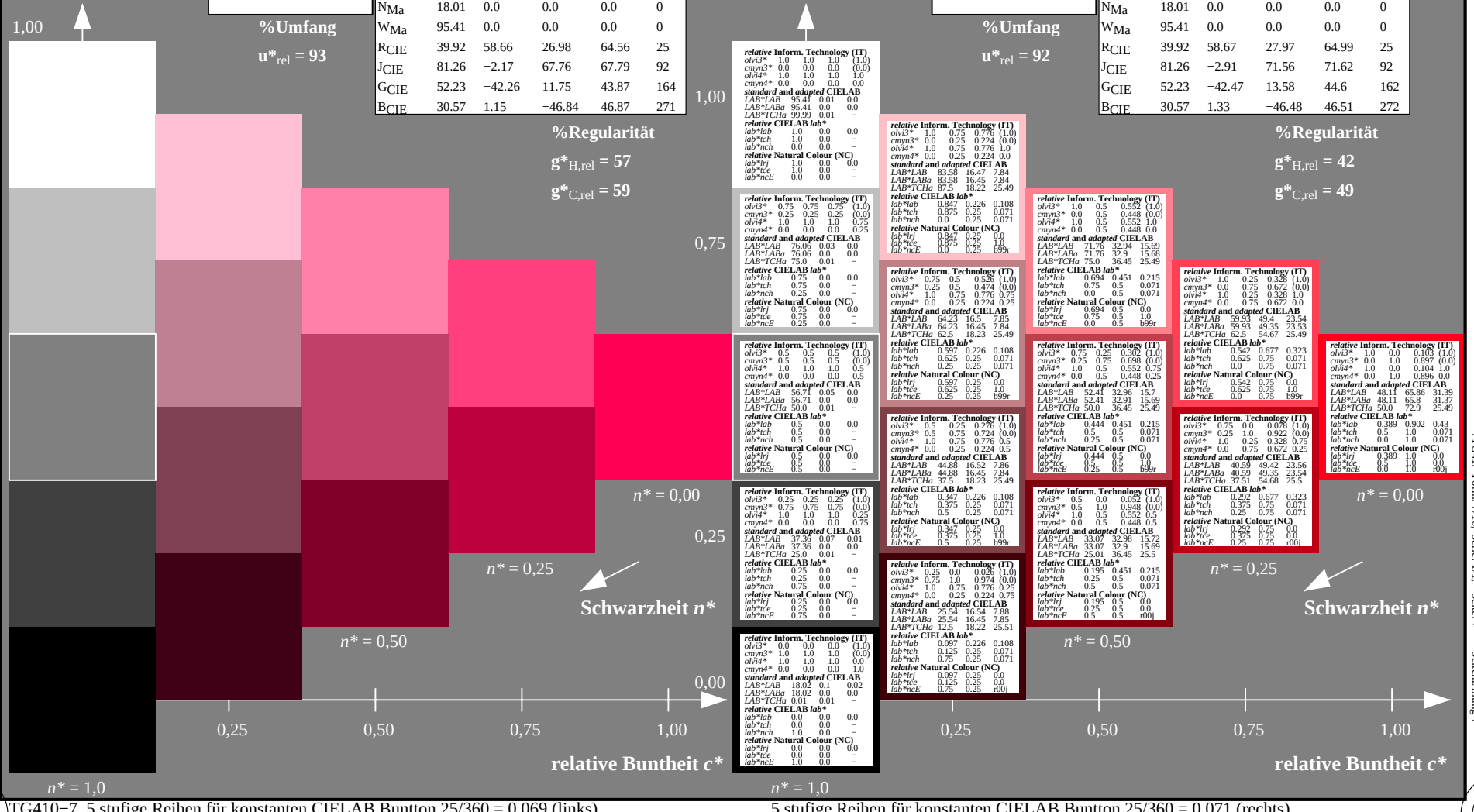



**%Umfang**
**$u^*_{rel}$ = 92**

**MRS18a; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**
**$g^*_{H,rel}$ = 42**
**$g^*_{C,rel}$ = 49**




TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

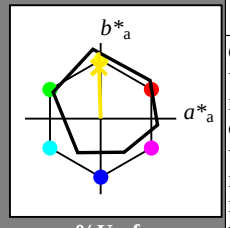
BAM-Prüfvorlage TG41; Farbmetrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: *olv* setrgbcolor*
output: *no change compared to input*

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 1.0 0.9 0.0**

**Dreiecks-Helligkeit**




**%Umfang**

**u*$_{rel}$ = 93**

**ORS18; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

**%Regularität**

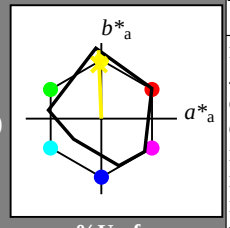
**g*$_{H,rel}$ = 57**

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

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 92/360 = 0.256***
***lab*tch* und *lab*nch***

**D65: Buntton J**
**LCH*Ma: 89 91 92**
**rgb*Ma: 1.0 0.95 0.0**

**Dreiecks-Helligkeit**




**%Umfang**

**u*$_{rel}$ = 92**

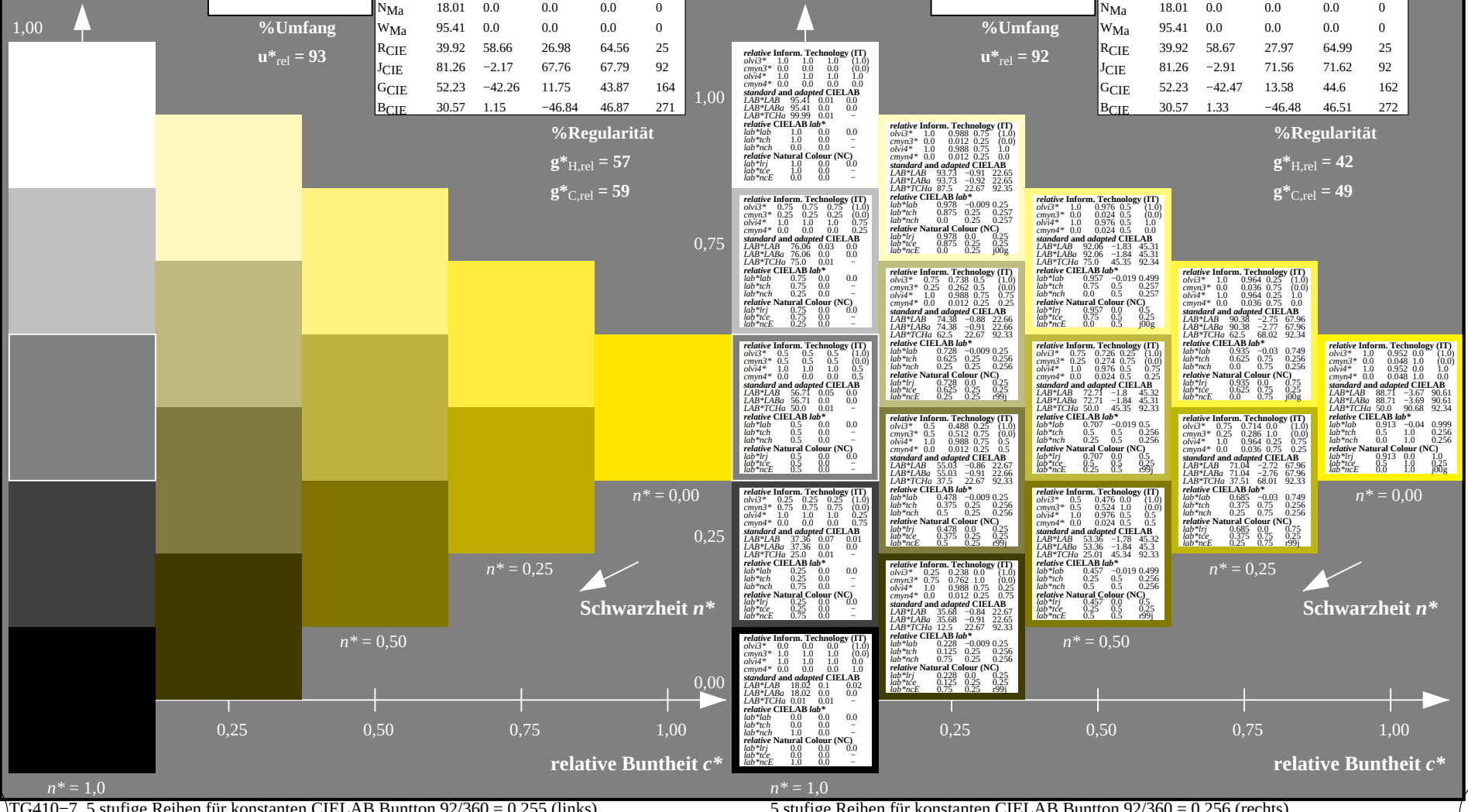
**MRS18a; adaptierte CIELAB-Daten**

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**

**g*$_{H,rel}$ = 42**

**g*$_{C,rel}$ = 49**




TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

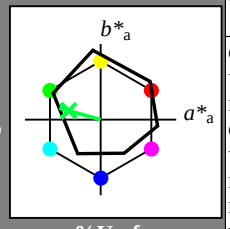
BAM-Prüfvorlage TG41; Farbmetrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: *olv* setrgbcolor*
output: *no change compared to input*

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 0.0 1.0 0.25**

**Dreiecks-Helligkeit**




**%Umfang**
**u*rel = 93**

**ORS18; adaptierte CIELAB-Daten**

| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

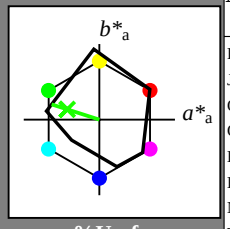
**%Regularität**
**g*H,rel = 57**
**g*C,rel = 59**

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

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h* = lab*h = 162/360 = 0.451***
***lab*tch* und *lab*nch***

**D65: Buntton G**
**LCH*Ma: 56 66 162**
**rgb*Ma: 0.11 1.0 0.0**

**Dreiecks-Helligkeit**




**%Umfang**
**u*rel = 92**

**MRS18a; adaptierte CIELAB-Daten**

| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**
**g*H,rel = 42**
**g*C,rel = 49**

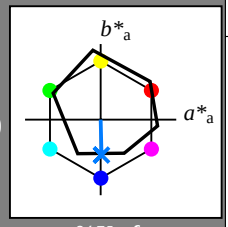
1,00
0,75
0,25
0,00
*n* = 0,00*
*n* = 0,25*
*n* = 0,50*
*n* = 1,0*
**Schwarzheit *n****
0,25 0,50 0,75 1,00
**relative Buntheit *c****

TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)
5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

**Eingabe: Farbmetrisches 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**
**rgb*Ma: 0.0 0.49 1.0**

**Dreiecks-Helligkeit**




**%Umfang**
**u*rel = 93**

**ORS18; adaptierte CIELAB-Daten**

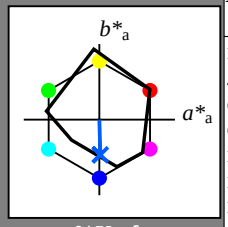
| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| $O_{Ma}$ | 47.94 | 65.37 | 50.52 | 82.62 | 38 |
| $Y_{Ma}$ | 90.37 | −10.27 | 91.77 | 92.34 | 96 |
| $L_{Ma}$ | 50.9 | −62.79 | 34.95 | 71.87 | 151 |
| $C_{Ma}$ | 58.62 | −30.35 | −45.01 | 54.3 | 236 |
| $V_{Ma}$ | 25.71 | 31.11 | −44.42 | 54.24 | 305 |
| $M_{Ma}$ | 48.13 | 75.27 | −8.35 | 75.73 | 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 | 64.56 | 25 |
| $J_{CIE}$ | 81.26 | −2.17 | 67.76 | 67.79 | 92 |
| $G_{CIE}$ | 52.23 | −42.26 | 11.75 | 43.87 | 164 |
| $B_{CIE}$ | 30.57 | 1.15 | −46.84 | 46.87 | 271 |

**%Regularität**
**g*H,rel = 57**
**g*C,rel = 59**

**Ausgabe: Farbmetrisches Reflexions-System MRS18a**
**für Buntton *h** = lab*h = 272/360 = 0.755**
***lab*tch* und *lab*nch***

**D65: Buntton B**
**LCH*Ma: 40 49 272**
**rgb*Ma: 0.0 0.36 1.0**

**Dreiecks-Helligkeit**

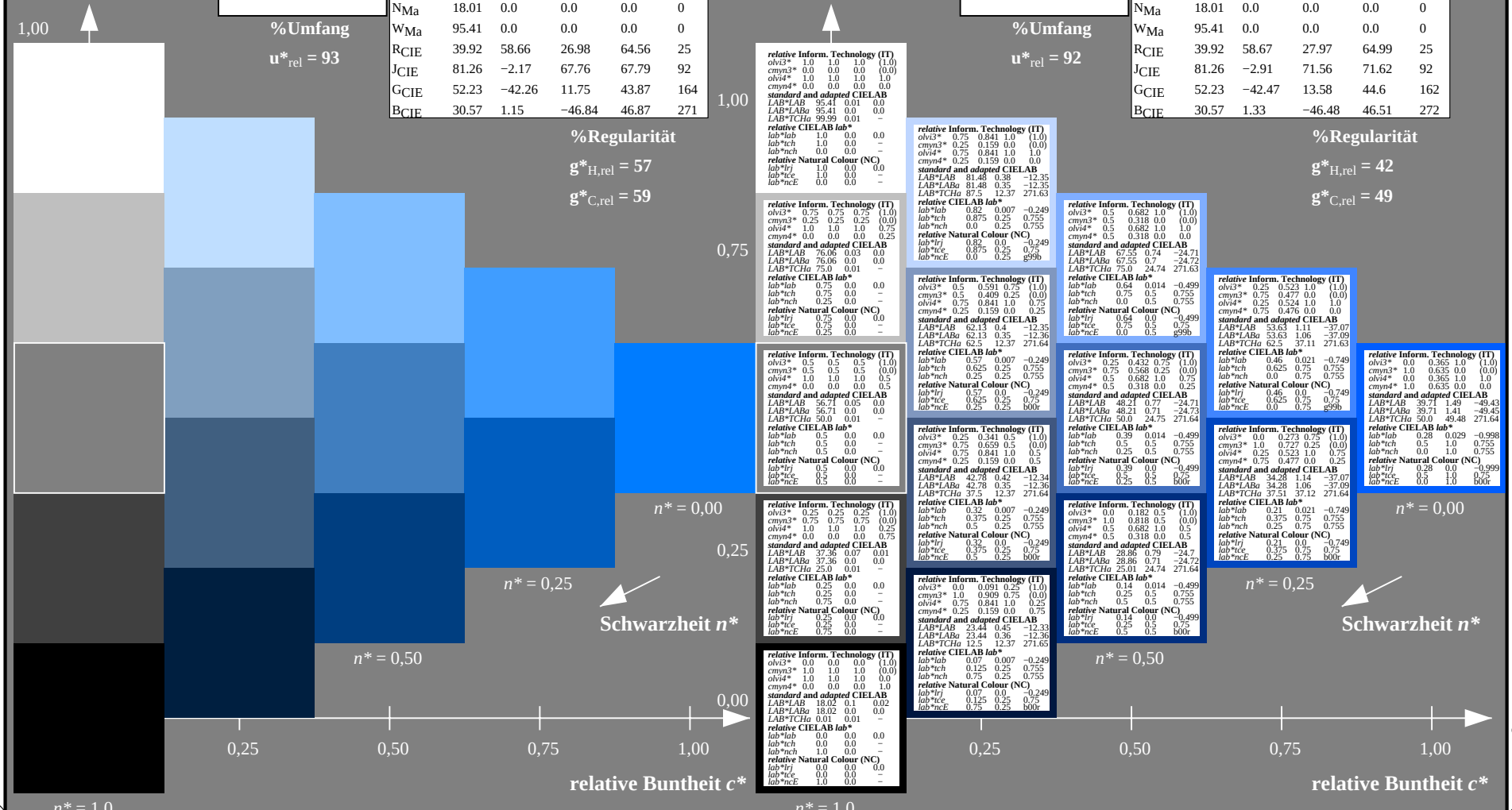



**%Umfang**
**u*rel = 92**

**MRS18a; adaptierte CIELAB-Daten**

| | L*=L*a | a*a | b*a | C*ab,a | h*ab,a |
|---|---|---|---|---|---|
| $R_{Ma}$ | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| $J_{Ma}$ | 90.7 | −7.27 | 93.19 | 93.48 | 94 |
| $G_{Ma}$ | 52.11 | −69.93 | 11.26 | 70.85 | 171 |
| $G50B_{Ma}$ | 45.03 | −36.65 | −27.13 | 45.61 | 217 |
| $B_{Ma}$ | 36.65 | 23.26 | −62.27 | 66.49 | 290 |
| $B50R_{Ma}$ | 34.94 | 57.27 | −43.6 | 71.99 | 323 |
| $N_{Ma}$ | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| $J_{CIE}$ | 81.26 | −2.91 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.47 | 13.58 | 44.6 | 162 |
| $B_{CIE}$ | 30.57 | 1.33 | −46.48 | 46.51 | 272 |

**%Regularität**
**g*H,rel = 42**
**g*C,rel = 49**




TG410−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

BAM-Prüfvorlage TG41; Farbmetrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: *olv* setrgbcolor*
output: *no change compared to input*