

## Eingabe: Farbmatisches 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

1,00

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

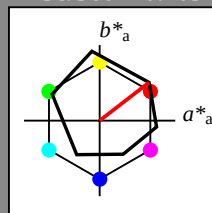
relative Buntheit  $c^*$

$n^* = 1,0$

TG42-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input:  $olv^*setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput:  $olv^*setrgbcolor / w^*setgray$



| 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

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

$n^* = 1,0$

TG42-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input:  $olv^*setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput:  $olv^*setrgbcolor / w^*setgray$

## Ausgabe: Farbmatisches Reflexions-System NRS11

für Buntton  $h^* = lab^*h = 24/360 = 0.067$

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

D65: Buntton R  
LCH\*Ma: 53 84 24  
rgb\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

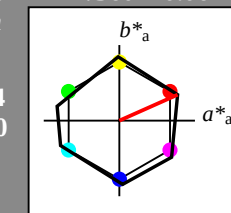
relative Buntheit  $c^*$

$n^* = 1,0$

TG42-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input:  $olv^*setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput:  $olv^*setrgbcolor / w^*setgray$



%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

$n^* = 1,0$

TG42-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input:  $olv^*setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput:  $olv^*setrgbcolor / w^*setgray$

| NRS11; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 53.2        | 77.06   | 34.32   | 84.36        | 24           |
| JMa                            | 53.2        | -1.51   | 84.38   | 84.39        | 91           |
| GMa                            | 53.2        | -82.27  | 18.98   | 84.44        | 167          |
| G50BMa                         | 53.2        | -77.72  | -32.98  | 84.44        | 203          |
| BMa                            | 53.2        | 4.37    | -84.28  | 84.41        | 273          |
| B50RMa                         | 53.2        | 69.09   | -48.41  | 84.37        | 325          |
| NMa                            | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                            | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                           | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE                           | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE                           | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE                           | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

$n^* = 1,0$

TG42-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input:  $olv^*setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput:  $olv^*setrgbcolor / w^*setgray$

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

| relative Inform. Technology (IT) |      |       |       |       |  |
|----------------------------------|------|-------|-------|-------|--|
| olvi3*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn3*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| olvi4*                           | 1.0  | 0.5   | 0.5   | (1.0) |  |
| cmyn4*                           | 0.0  | 0.5   | 0.5   | (0.0) |  |
| standard and adapted CIELAB      |      |       |       |       |  |
| LAB*LAB                          | 74.3 | 38.55 | 17.16 |       |  |
| LAB*LABa                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*LABb                         | 74.3 | 38.52 | 17.16 |       |  |
| LAB*TCha                         | 75.0 | 42.17 | 24.01 |       |  |

### Eingabe: Farbmatisches Reflexions-System ORS18

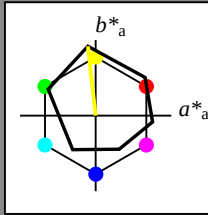
für Buntton  $h^* = lab^*h = 96/360 = 0.268$

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

D65: Buntton Y  
LCH\*Ma: 90 92 96  
rgb\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

1,00



| 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

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 0.0 -0.01  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TCha 98.99 0.01 0.0  
relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (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 74.31 0.02 0.0  
LAB\*LABa 74.31 0.0 0.0  
LAB\*TCha 75.0 0.01 0.0  
relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*tch 0.75 0.0 0.0  
lab\*nch 0.25 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*tce 0.25 0.0 0.0  
lab\*nce 0.25 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 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 53.21 0.04 0.0  
LAB\*LABa 53.21 0.0 0.0  
LAB\*TCha 50.0 0.01 0.0  
relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 0.0  
lab\*nch 0.5 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 0.0  
lab\*nce 0.5 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (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 32.11 0.05 0.0  
LAB\*LABa 32.11 0.0 0.0  
LAB\*TCha 25.0 0.01 0.0  
relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*tch 0.25 0.0 0.0  
lab\*nch 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*tce 0.75 0.0 0.0  
lab\*nce 0.75 0.0 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 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 11.01 0.07 0.0  
LAB\*LABa 11.01 0.0 0.0  
LAB\*TCha 0.01 0.01 0.0  
relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 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 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 11.01 0.07 0.0  
LAB\*LABa 11.01 0.0 0.0  
LAB\*TCha 0.01 0.01 0.0  
relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

$n^* = 1.0$

relative Buntheit  $c^*$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.00$

$n^* = 0.25$

## Eingabe: Farbmatisches 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

1,00

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

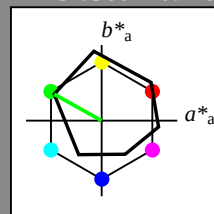
relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$



| 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

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

## Ausgabe: Farbmatisches Reflexions-System NRS11

für Buntton  $h^* = lab^*h = 167/360 = 0.464$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton G  
LCH\*Ma: 53 84 167  
rgb\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

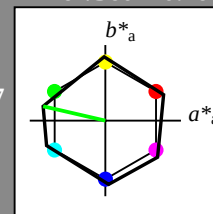
relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$



| NRS11; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 53.2        | 77.06   | 34.32   | 84.36        | 24           |
| JMa                            | 53.2        | -1.51   | 84.38   | 84.39        | 91           |
| GMa                            | 53.2        | -82.27  | 18.98   | 84.44        | 167          |
| G50BMa                         | 53.2        | -77.72  | -32.98  | 84.44        | 203          |
| BMa                            | 53.2        | 4.37    | -84.28  | 84.41        | 273          |
| B50RMa                         | 53.2        | 69.09   | -48.41  | 84.37        | 325          |
| NMa                            | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                            | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                           | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE                           | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE                           | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE                           | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

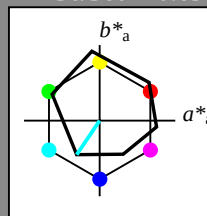
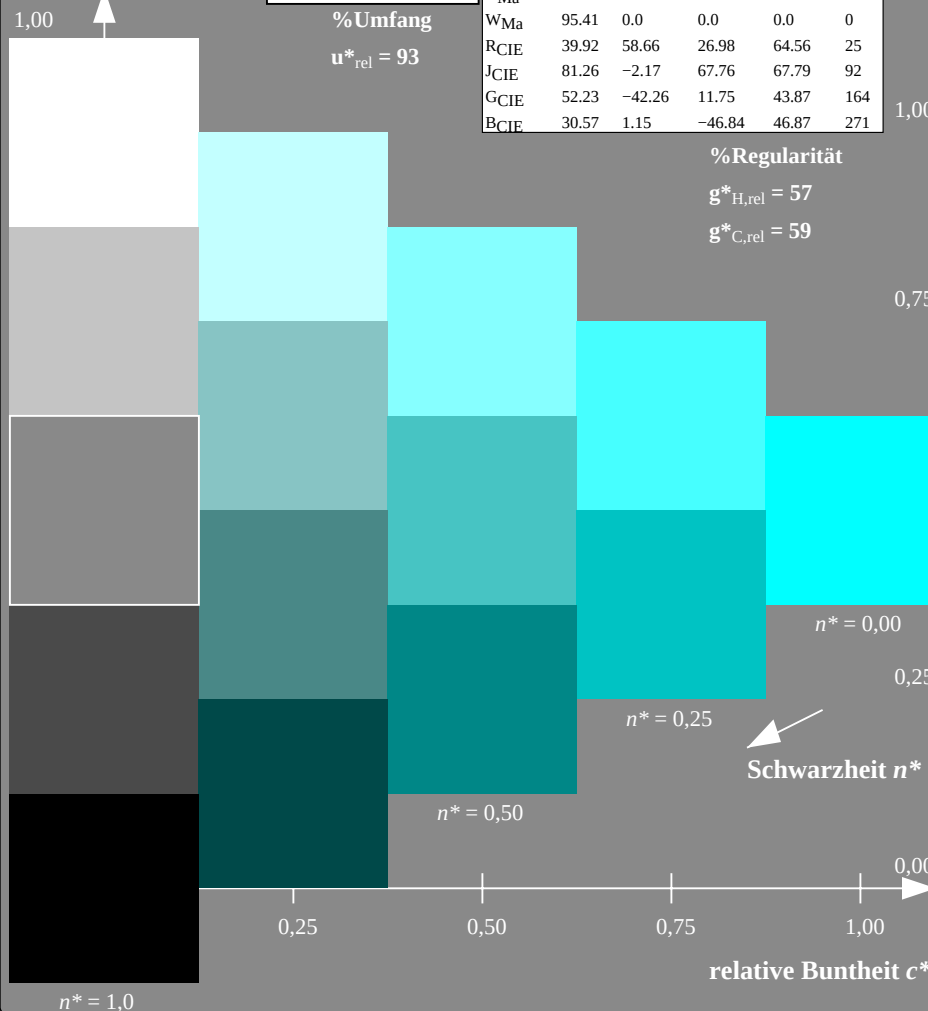
**Eingabe: Farbmétrisches Reflexions-System ORS18**

für Buntton  $h^* = lab^*h = 236/360 = 0.656$

**lab\*tch und lab\*nch**

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

## Dreiecks-Helligkeit

[illegible]
$$\mathbf{u}_{\text{rel}}^* = 93$$


TG420-7, 5 stufige Reihen für konstanten CIELAB Buntton  $236/360 = 0.656$  (links)

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input: *olv\* setrgbcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`

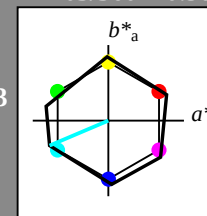
**Ausgabe: Farbmimetrisches Reflexions-System NRS11**

für Buntton  $h^* = lab^*h = 203/360 = 0.564$

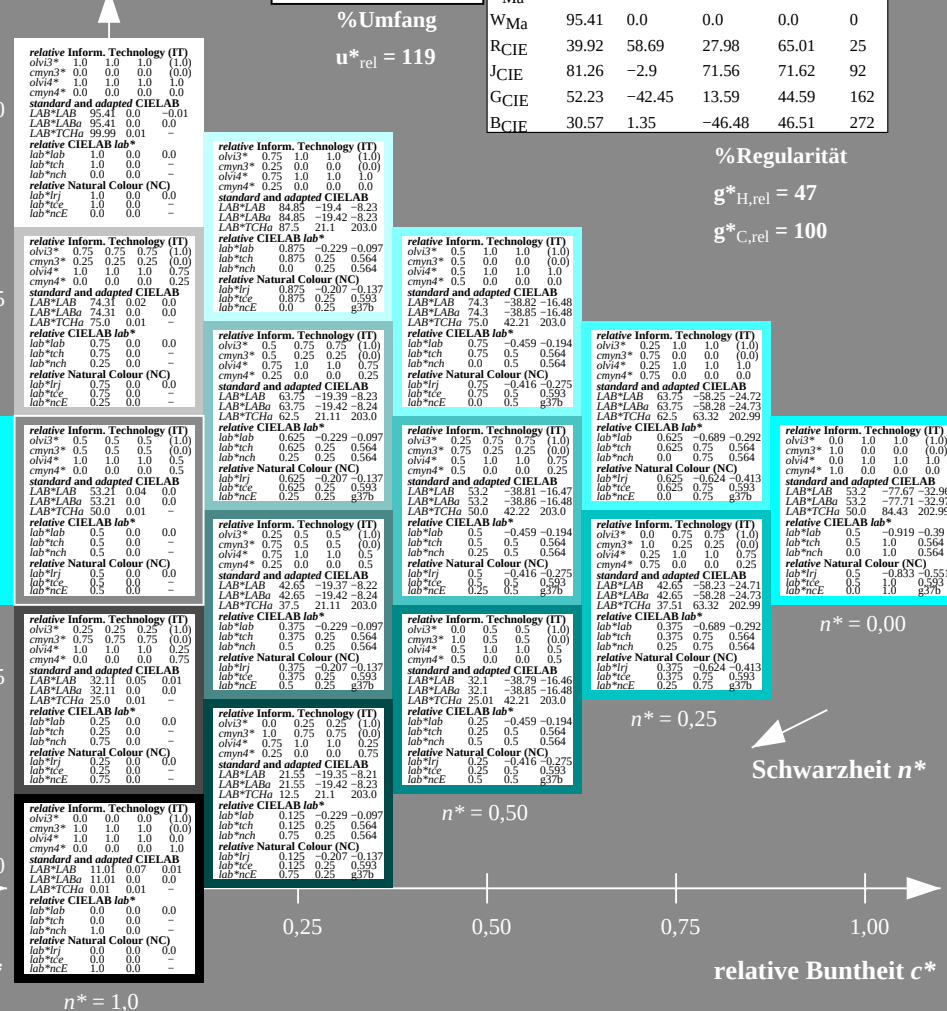
**lab\*tch und lab\*nch**

D65: Buntton G50B  
LCH\*Ma: 53 84 203  
rgb\*Ma: 0.0 1.0 1.0

## Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 11$$
5 stufige Reihen für konstanten CIELAB Buntton  $203/360 = 0.564$  (rechts)



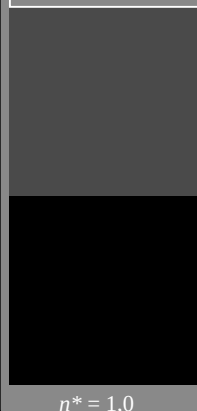
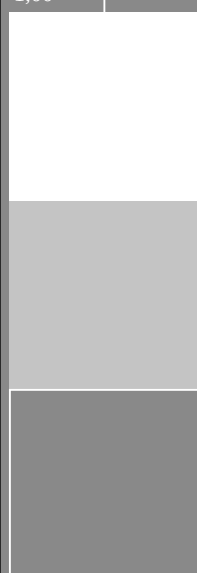
## Eingabe: Farbmimetrisches Reflexions-System ORS18

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

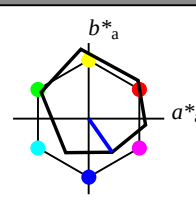
D65: Buntton V  
LCH\*Ma: 26 54 305  
rgb\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

1,00



TG4207-5, 5stufige Reihen für konstanten CIE LAB Buntton 305/360 = 0.847 (links)



%Umfang

$u^*_{rel} = 93$

## ORS18; adaptierte CIELAB-Daten

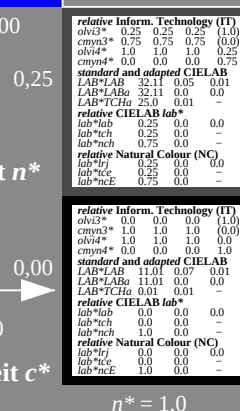
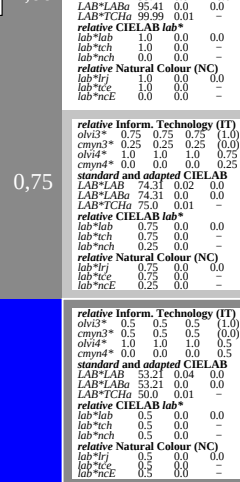
|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| YMa  | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| LMa  | 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



5stufige Reihen für konstanten CIE LAB Buntton 273/360 = 0.758 (rechts)

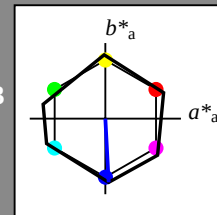
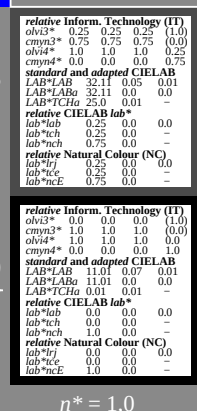
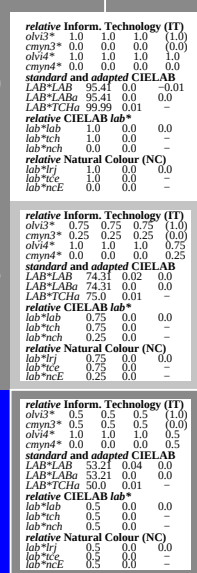
## Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton  $h^* = lab^*h = 273/360 = 0.758$   
 $lab^*tch$  und  $lab^*nch$

D65: Buntton B  
LCH\*Ma: 53 84 273  
rgb\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 119$

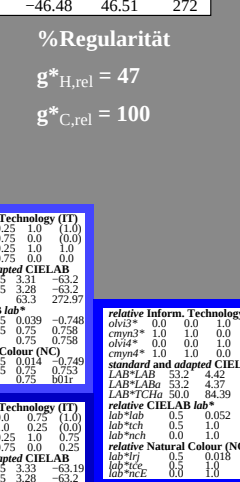
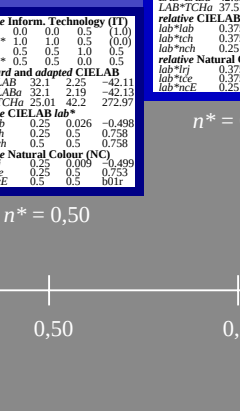
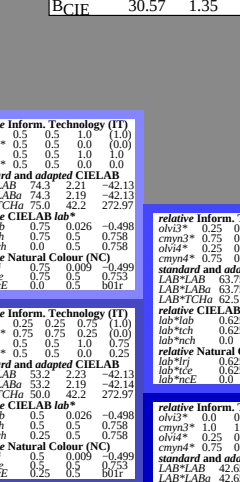
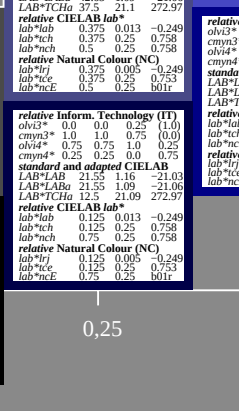
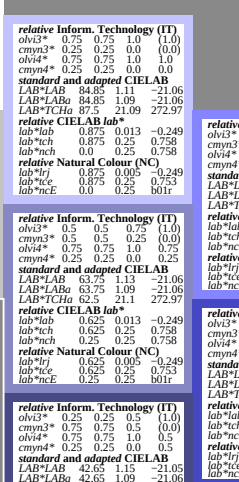
## NRS11; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 53.2        | 77.06   | 34.32   | 84.36        | 24           |
| JMa                | 53.2        | -1.51   | 84.38   | 84.39        | 91           |
| GMa                | 53.2        | -82.27  | 18.98   | 84.44        | 167          |
| G50B <sub>Ma</sub> | 53.2        | -77.72  | -32.98  | 84.44        | 203          |
| B <sub>Ma</sub>    | 53.2        | 4.37    | -84.28  | 84.41        | 273          |
| B50R <sub>Ma</sub> | 53.2        | 69.09   | -48.41  | 84.37        | 325          |
| NMa                | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE               | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE               | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE               | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE               | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



5stufige Reihen für konstanten CIE LAB Buntton 273/360 = 0.758 (rechts)

BAM-Prüfvorlage TG42; Farbmimetrische-Systeme ORS18 & NRS11 input:  $olv^* setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne output:  $w^* setgray$

## 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  
rgb\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

1,00

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

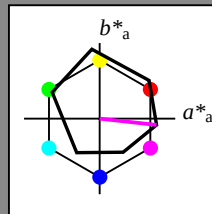
0,25

0,50

0,75

1,00

relative Buntheit  $c^*$



| 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

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

## Ausgabe: Farbmatisches Reflexions-System NRS11

für Buntton  $h^* = lab^*h = 325/360 = 0.903$

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

D65: Buntton B50R  
LCH\*Ma: 53 84 325  
rgb\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

1,00

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

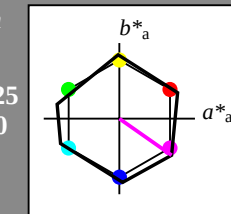
0,25

0,50

0,75

1,00

relative Buntheit  $c^*$



| NRS11; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 53.2        | 77.06   | 34.32   | 84.36        | 24           |
| JMa                            | 53.2        | -1.51   | 84.38   | 84.39        | 91           |
| GMa                            | 53.2        | -82.27  | 18.98   | 84.44        | 167          |
| G50BMa                         | 53.2        | -77.72  | -32.98  | 84.44        | 203          |
| BMa                            | 53.2        | 4.37    | -84.28  | 84.41        | 273          |
| B50RMa                         | 53.2        | 69.09   | -48.41  | 84.37        | 325          |
| NMa                            | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa                            | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                           | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE                           | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE                           | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE                           | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

0,00

$n^* = 1,0$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input:  $olv^* setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne output:  $olv^* setrgbcolor / w^* setgray$

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

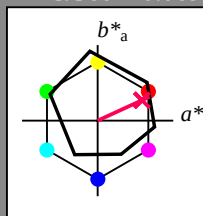
## Eingabe: Farbmatisches Reflexions-System ORS18

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



### 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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

TG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

BAM-Prüfvorlage TG42; Farbmatrik-Systeme ORS18 & NRS11 input:  $olv^* setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput:  $olv^* setrgbcolor / w^* setgray$

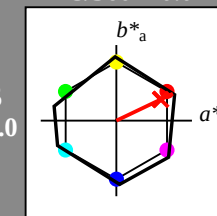
## Ausgabe: Farbmatisches Reflexions-System NRS11

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

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

D65: Buntton R  
LCH\*Ma: 53 83 25  
rgb\*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

### NRS11; adaptierte CIELAB-Daten

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 53.2        | 77.06   | 34.32   | 84.36        | 24           |
| JMa    | 53.2        | -1.51   | 84.38   | 84.39        | 91           |
| GMa    | 53.2        | -82.27  | 18.98   | 84.44        | 167          |
| G50BMa | 53.2        | -77.72  | -32.98  | 84.44        | 203          |
| BMa    | 53.2        | 4.37    | -84.28  | 84.41        | 273          |
| B50RMa | 53.2        | 69.09   | -48.41  | 84.37        | 325          |
| NMa    | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE   | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE   | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE   | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

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

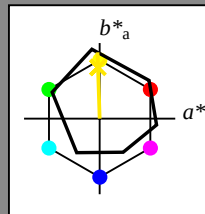
## Eingabe: Farbmimetrisches Reflexions-System ORS18

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



### 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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit  $c^*$

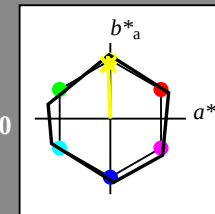
## Ausgabe: Farbmimetrisches Reflexions-System NRS11

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

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

D65: Buntton J  
LCH\*Ma: 53 83 92  
rgb\*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

### NRS11; adaptierte CIELAB-Daten

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 53.2        | 77.06   | 34.32   | 84.36        | 24           |
| JMa    | 53.2        | -1.51   | 84.38   | 84.39        | 91           |
| GMa    | 53.2        | -82.27  | 18.98   | 84.44        | 167          |
| G50BMa | 53.2        | -77.72  | -32.98  | 84.44        | 203          |
| BMa    | 53.2        | 4.37    | -84.28  | 84.41        | 273          |
| B50RMa | 53.2        | 69.09   | -48.41  | 84.37        | 325          |
| NMa    | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE   | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE   | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE   | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit  $c^*$

TG42-7, 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 TG42; Farbmimetrische-Systeme ORS18 & NRS11 input:  $olv^* setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne output:  $olv^* setrgbcolor / w^* setgray$

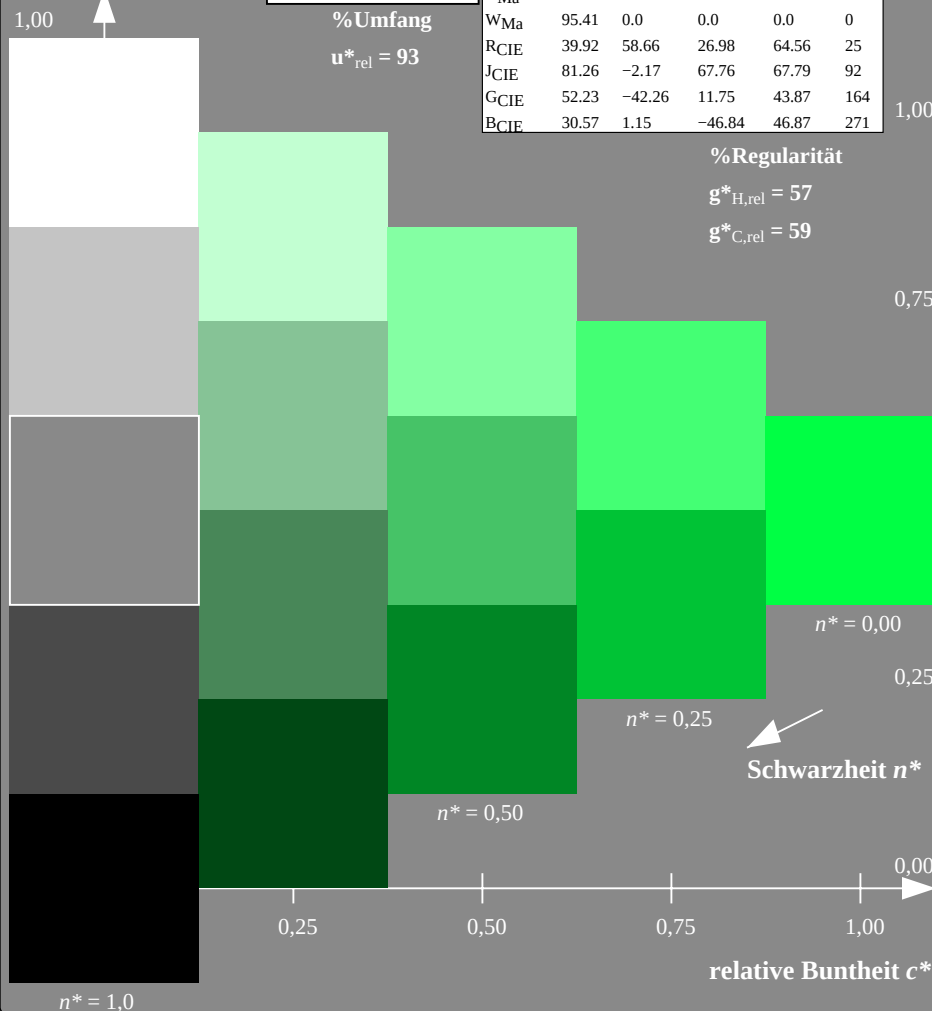
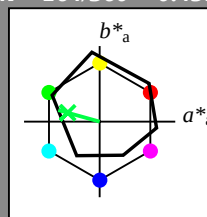


## Eingabe: Farbmatisches Reflexions-System ORS18

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



TG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

BAM-Prüfvorlage TG42; Farbmatisches Reflexions-System ORS18 & NRS11 input:  $olv^* setrgbcolor$

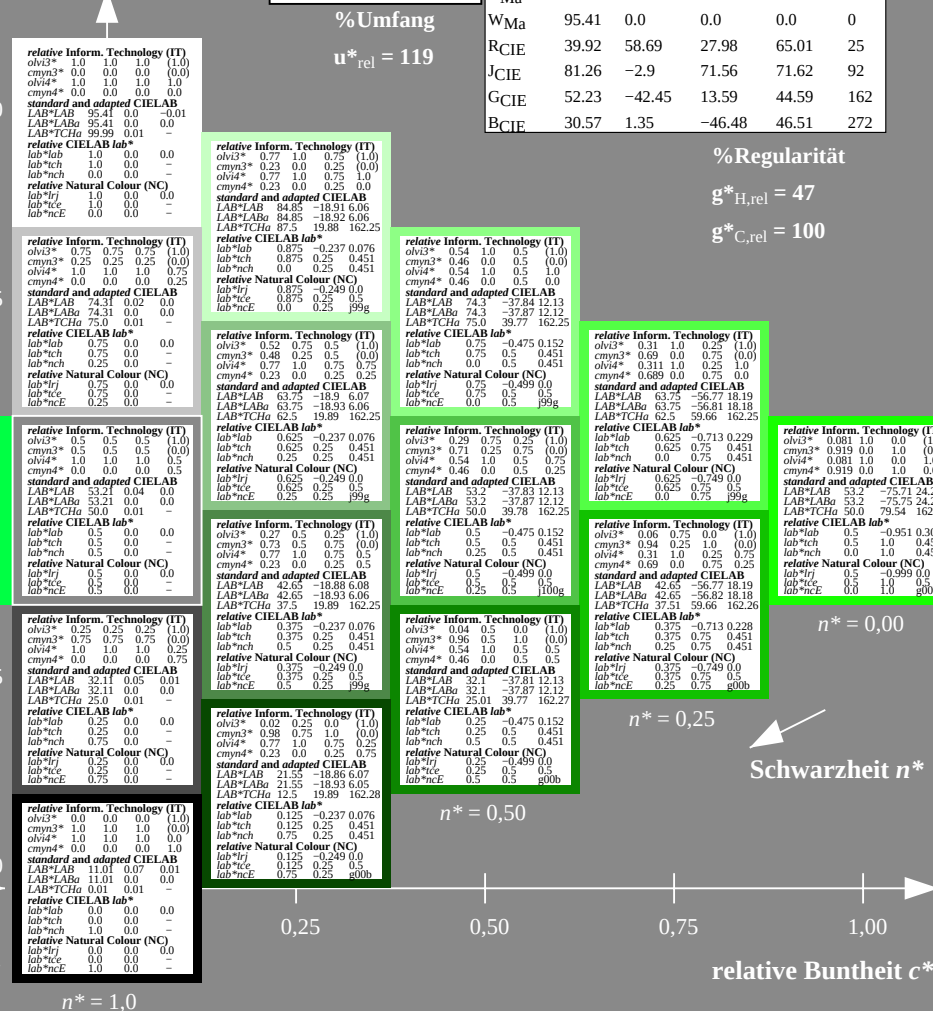
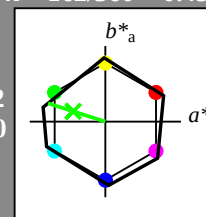
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne output:  $olv^* setrgbcolor / w^* setgray$

## Ausgabe: Farbmatisches Reflexions-System NRS11

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

D65: Buntton G  
LCH\*Ma: 53 80 162  
rgb\*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



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

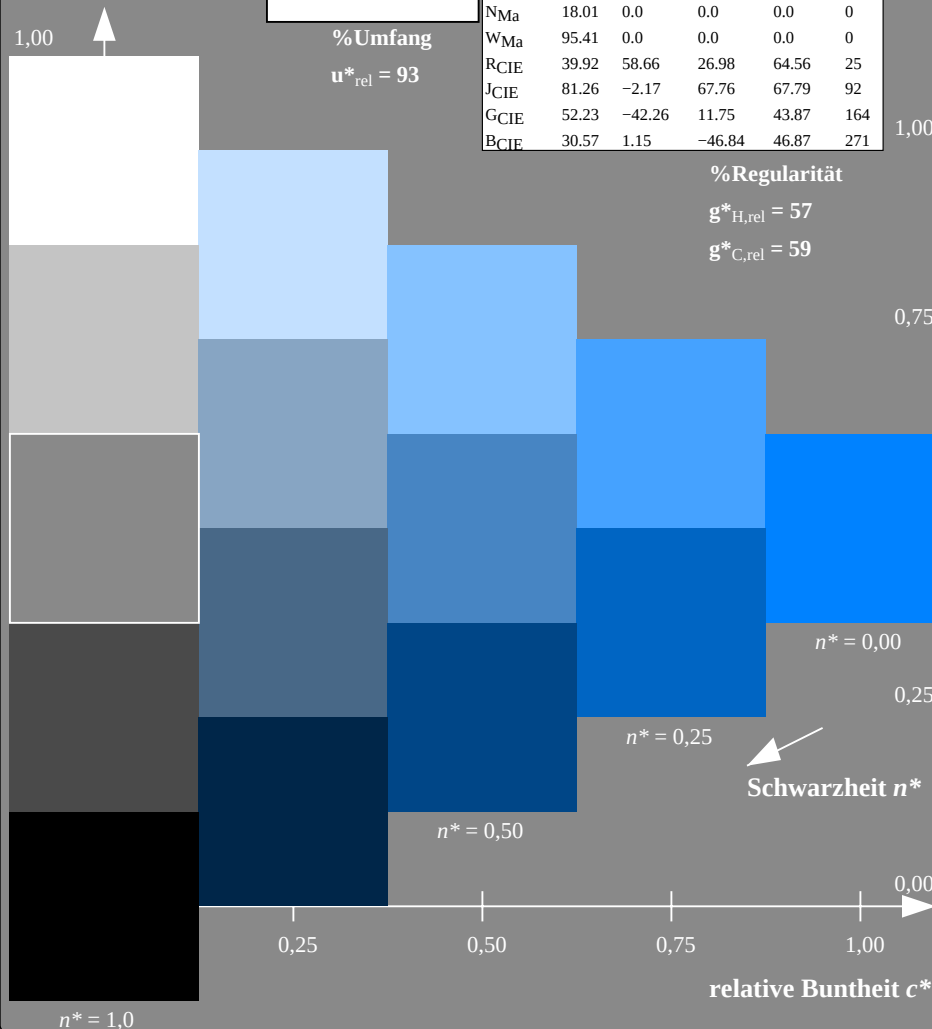
## Eingabe: Farbmimetrisches Reflexions-System ORS18

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



TG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

BAM-Prüfvorlage TG42; Farbmimetrische Systeme ORS18 & NRS11 input:  $olv^* setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne output:  $olv^* setrgbcolor / w^* setgray$

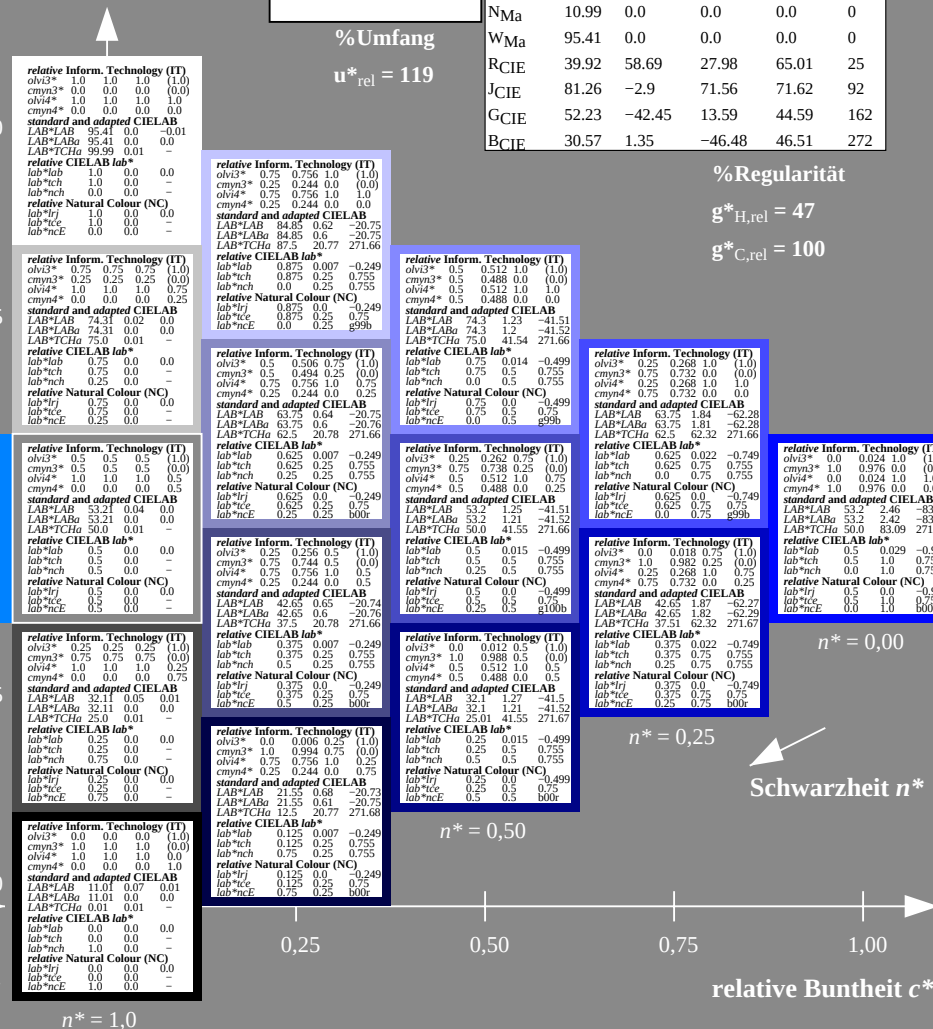
## Ausgabe: Farbmimetrisches Reflexions-System NRS11

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

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

D65: Buntton B  
LCH\*Ma: 53 83 272  
rgb\*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



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