

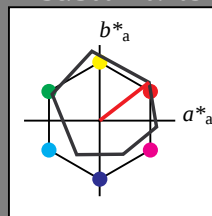
## Eingabe: Farbmimetrisches Reflexions-System ORS18

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



| 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

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

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

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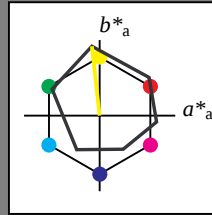
0,5

### Eingabe: Farbmimetrisches 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



| 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

$n^* = 0,25$

$n^* = 0,50$

0,00

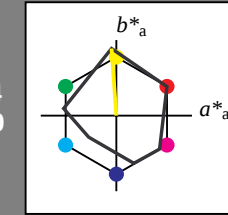
relative Buntheit  $c^*$

### Ausgabe: Farbmimetrisches 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  
rgb\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

| 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          |

%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

relative Buntheit  $c^*$

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

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

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & MRS18input:  $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input

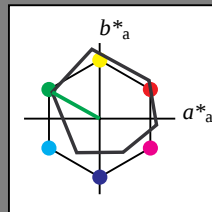
## Eingabe: Farbmatisches Reflexions-System ORS18

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

$u^*_{rel} = 93$

### ORS18; adaptierte CIELAB-Daten

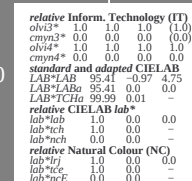
|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| YMa  | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| LMa  |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

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

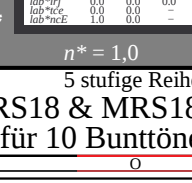
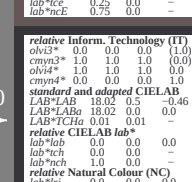
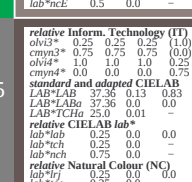
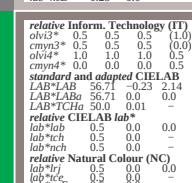
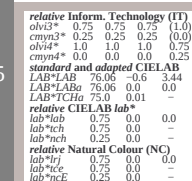
$g^*_{C,rel} = 59$

1,00



% Umfang

$u^*_{rel} = 91$



1,00

on 2.1, io=0,0

: Code=rha4ta

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton  $236/360 = 0.656$  (links)

BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & MRS18input: *cmy0\* setcmykcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

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



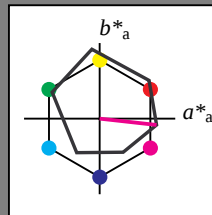
### Eingabe: Farbmimetrisches Reflexions-System ORS18

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

$u^*_{rel} = 93$

#### 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 | -0.97 | 4.75 |       |
| LAB*LABa                         | 95.41 | 0.0   | 0.0  |       |
| LAB*LABb                         | 95.41 | 0.0   | 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  |       |
| 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                          | 76.06 | -0.6 | 3.44 |       |
| LAB*LABa                         | 76.06 | 0.0  | 0.0  |       |
| LAB*LABb                         | 76.06 | 0.0  | 0.0  |       |
| relative CIELAB lab*             |       |      |      |       |
| lab*lab                          | 0.75  | 0.0  | 0.0  |       |
| lab*tch                          | 0.75  | 0.0  | 0.0  |       |
| lab*nch                          | 0.0   | 0.0  | 0.0  |       |
| lab*trj                          | 0.75  | 0.0  | 0.0  |       |
| lab*tce                          | 0.75  | 0.0  | 0.0  |       |
| lab*nce                          | 0.0   | 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                          | 56.71 | 0.23 | 2.14 |       |
| LAB*LABa                         | 56.71 | 0.0  | 0.0  |       |
| LAB*LABb                         | 56.71 | 0.0  | 0.0  |       |
| relative CIELAB lab*             |       |      |      |       |
| lab*lab                          | 0.5   | 0.0  | 0.0  |       |
| lab*tch                          | 0.5   | 0.0  | 0.0  |       |
| lab*nch                          | 0.0   | 0.0  | 0.0  |       |
| lab*trj                          | 0.5   | 0.0  | 0.0  |       |
| lab*tce                          | 0.5   | 0.0  | 0.0  |       |
| lab*nce                          | 0.0   | 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                          | 37.36 | 0.13 | 0.83 |       |
| LAB*LABa                         | 37.36 | 0.0  | 0.0  |       |
| LAB*LABb                         | 37.36 | 0.0  | 0.0  |       |
| relative CIELAB lab*             |       |      |      |       |
| lab*lab                          | 0.25  | 0.0  | 0.0  |       |
| lab*tch                          | 0.25  | 0.0  | 0.0  |       |
| lab*nch                          | 0.0   | 0.0  | 0.0  |       |
| lab*trj                          | 0.25  | 0.0  | 0.0  |       |
| lab*tce                          | 0.25  | 0.0  | 0.0  |       |
| lab*nce                          | 0.0   | 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                          | 18.02 | 0.0 | 0.46 |       |
| LAB*LABa                         | 18.02 | 0.0 | 0.0  |       |
| LAB*LABb                         | 18.02 | 0.0 | 0.0  |       |
| relative CIELAB lab*             |       |     |      |       |
| lab*lab                          | 0.0   | 0.0 | 0.0  |       |
| lab*tch                          | 0.0   | 0.0 | 0.0  |       |
| lab*nch                          | 0.0   | 0.0 | 0.0  |       |
| lab*trj                          | 0.0   | 0.0 | 0.0  |       |
| lab*tce                          | 0.0   | 0.0 | 0.0  |       |
| lab*nce                          | 1.0   | 0.0 | 0.0  |       |

$n^* = 1.0$

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

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & MRS18input: *cmY0\* setcmykcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

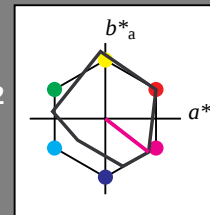
### Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 91$

#### 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          |

%Regularität

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

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

1,00

| relative Inform. Technology (IT) |       |       |        |       |
|----------------------------------|-------|-------|--------|-------|
| olvi3*                           | 1.0   | 0.75  | 1.0    | (1.0) |
| cmyn3*                           | 0.0   | 0.25  | 0.0    | (0.0) |
| olvi4*                           | 1.0   | 0.75  | 1.0    | (1.0) |
| cmyn4*                           | 0.0   | 0.25  | 0.0    | (0.0) |
| standard and adapted CIELAB      |       |       |        |       |
| LAB*LAB                          | 80.29 | 13.6  | -7.31  |       |
| LAB*LABa                         | 80.29 | 14.29 | -11.05 |       |
| LAB*LABb                         | 80.29 | 14.29 | -11.05 |       |
| 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    |       |
| 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   | 0.75  | 1.0    | (1.0) |
| cmyn4*                           | 0.0   | 0.25  | 0.0    | (0.0) |
| standard and adapted CIELAB      |       |       |        |       |
| LAB*LAB                          | 60.94 | 13.97 | -8.62  |       |
| LAB*LABa                         | 60.94 | 14.29 | -11.06 |       |
| LAB*LABb                         | 60.94 | 14.29 | -11.06 |       |
| relative CIELAB lab*             |       |       |        |       |
| lab*lab                          | 0.75  | 0.0   | 0.0    |       |
| lab*tch                          | 0.75  | 0.0   | 0.0    |       |
| lab*nch                          | 0.0   | 0.0   | 0.0    |       |
| lab*trj                          | 0.75  | 0.0   | 0.0    |       |
| lab*tce                          | 0.75  | 0.0   | 0.0    |       |
| lab*nce                          | 0.0   | 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   | 0.75  | 1.0    | (1.0) |
| cmyn4*                           | 0.0   | 0.25  | 0.0    | (0.0) |
| standard and adapted CIELAB      |       |       |        |       |
| LAB*LAB                          | 41.59 | 14.34 | -9.93  |       |
| LAB*LABa                         | 41.59 | 14.29 | -11.06 |       |
| LAB*LABb                         | 41.59 | 14.29 | -11.06 |       |
| relative CIELAB lab*             |       |       |        |       |
| lab*lab                          | 0.5   | 0.0   | 0.0    |       |
| lab*tch                          | 0.5   | 0.0   | 0.0    |       |
| lab*nch                          | 0.0   | 0.0   | 0.0    |       |
| lab*trj                          | 0.5   | 0.0   | 0.0    |       |
| lab*tce                          | 0.5   | 0.0   | 0.0    |       |
| lab*nce                          | 0.0   | 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   | 0.75  | 1.0    | (1.0) |
| cmyn4*                           | 0.0   | 0.25  | 0.0    | (0.0) |
| standard and adapted CIELAB      |       |       |        |       |
| LAB*LAB                          | 22.25 | 14.29 | -11.05 |       |
| LAB*LABa                         | 22.25 | 14.29 | -11.05 |       |
| LAB*LABb                         | 22.25 | 14.29 | -11.05 |       |
| relative CIELAB lab*             |       |       |        |       |
| lab*lab                          | 0.25  | 0.0   | 0.0    |       |
| lab*tch                          | 0.25  | 0.0   | 0.0    |       |
| lab*nch                          | 0.0   | 0.0   | 0.0    |       |
| lab*trj                          | 0.25  | 0.0   | 0.0    |       |
| lab*tce                          | 0.25  | 0.0   | 0.0    |       |
| lab*nce                          | 0.0   | 0.0   | 0.0    |       |

$n^* = 0.50$

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

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & MRS18input: *cmY0\* setcmykcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & MRS18input: *cmY0\* setcmykcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

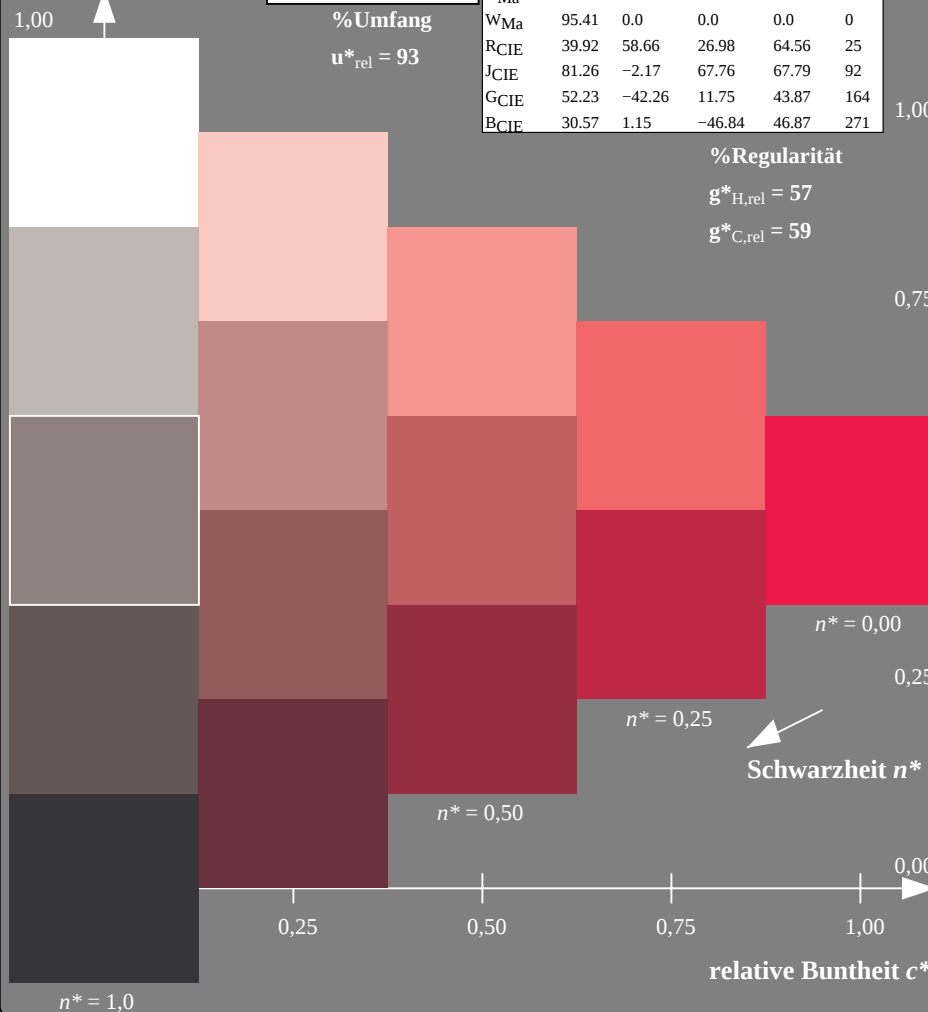
## lab\*tch und lab\*nch

## Dreiecks-Helligkeit


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

| 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**

$$g^*_{H_{rel}} = 57$$
$$g^*_{C,rel} = 59$$


 BAM-Prüfvorlage UG40; Farbmeter

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compare*

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| C | M | Y | O | L | V |
|---|---|---|---|---|---|

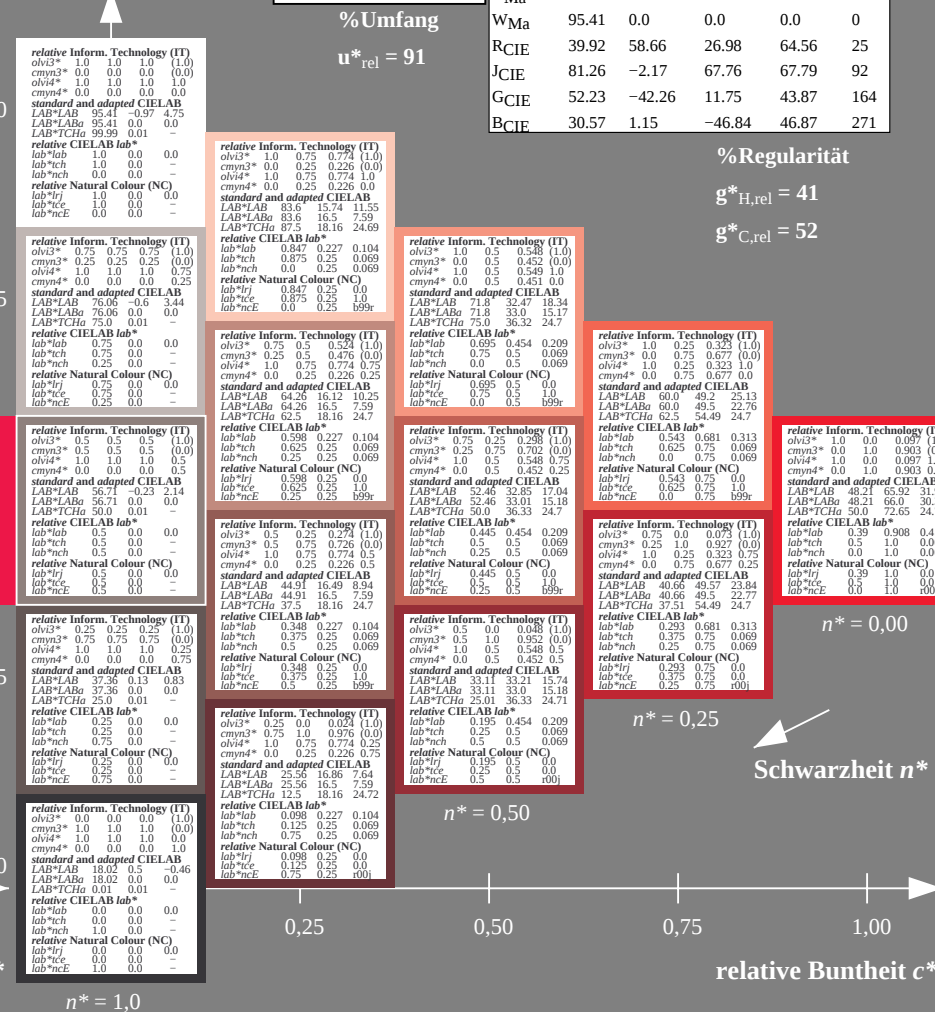
**lab\*tch und lab\*nch**

## Dreiecks-Helligkeit


$$\mathbf{u}_{\text{rel}}^* = 91$$

| MRS18; adaptierte CIELAB-Daten |                    |         |         |         |              |         |
|--------------------------------|--------------------|---------|---------|---------|--------------|---------|
|                                |                    | $L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_a$ |
| *a                             | R <sub>Ma</sub>    | 49.63   | 66.96   | 38.37   | 77.18        | 30      |
|                                | J <sub>Ma</sub>    | 90.7    | -6.36   | 88.75   | 88.98        | 94      |
|                                | G <sub>Ma</sub>    | 52.11   | -69.73  | 9.44    | 70.37        | 17      |
|                                | G50B <sub>Ma</sub> | 45.03   | -36.57  | -28.47  | 46.36        | 218     |
|                                | B <sub>Ma</sub>    | 36.65   | 23.19   | -63.05  | 67.18        | 290     |
|                                | B50R <sub>Ma</sub> | 34.94   | 57.17   | -44.26  | 72.31        | 323     |
|                                | N <sub>Ma</sub>    | 18.01   | 0.0     | 0.0     | 0.0          | 0       |
|                                | W <sub>Ma</sub>    | 95.41   | 0.0     | 0.0     | 0.0          | 0       |
|                                | R <sub>CIE</sub>   | 39.92   | 58.66   | 26.98   | 64.56        | 25      |
|                                | J <sub>CIE</sub>   | 81.26   | -2.17   | 67.76   | 67.79        | 92      |
| G <sub>CIE</sub>               | 52.23              | -42.26  | 11.75   | 43.87   | 16           |         |
| B <sub>CIE</sub>               | 30.57              | 1.15    | -46.84  | 46.87   | 27           |         |

### %Regularität

$$g_{\text{H rel}}^* = 41$$
$$g^*_{C,rel} = 52$$
RS18 & MRS18input: *cmv0\** *setcmykcolor*

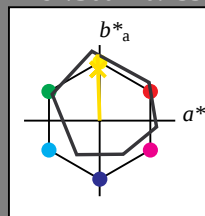
### Eingabe: Farbmimetrisches Reflexions-System ORS18

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

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit  $c^*$

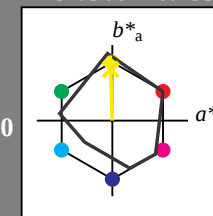
### Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

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

D65: Buntton J  
LCH\*Ma: 89 86 92  
rgb\*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



| 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          |
| G50B <sub>Ma</sub>             | 45.03       | -36.57  | -28.47  | 46.36        | 218          |
| B <sub>Ma</sub>                | 36.65       | 23.19   | -63.05  | 67.18        | 290          |
| B50R <sub>Ma</sub>             | 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          |

%Regularität

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit  $c^*$

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & MRS18input:  $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input

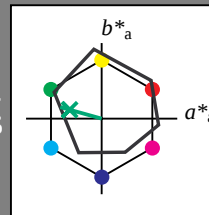
### Eingabe: Farbmimetrisches Reflexions-System ORS18

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

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 | -0.97 | 4.75 |       |  |
| LAB*LAB                          | 95.41 | 0.0   | 0.0  |       |  |
| LAB*TCh                          | 99.99 | 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  |       |  |
| lab*trj                          | 1.0   | 0.0   | 0.0  |       |  |
| relative Natural Colour (NC)     |       |       |      |       |  |
| 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 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                          | 76.06 | -0.6 | 3.44 |       |  |
| LAB*LAB                          | 76.06 | 0.0  | 0.0  |       |  |
| LAB*TCh                          | 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  |       |  |
| lab*trj                          | 0.75  | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |       |      |      |       |  |
| 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 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                          | 56.71 | -0.23 | 2.14 |       |  |
| LAB*LAB                          | 56.71 | 0.0   | 0.0  |       |  |
| LAB*TCh                          | 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  |       |  |
| lab*trj                          | 0.5   | 0.0   | 0.0  |       |  |
| relative Natural Colour (NC)     |       |       |      |       |  |
| 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 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                          | 37.36 | -0.13 | 0.83 |       |  |
| LAB*LAB                          | 37.36 | 0.0   | 0.0  |       |  |
| LAB*TCh                          | 37.5  | 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  |       |  |
| lab*trj                          | 0.25  | 0.0   | 0.0  |       |  |
| relative Natural Colour (NC)     |       |       |      |       |  |
| 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 Inform. Technology (IT) |       |       |       |       |  |
|----------------------------------|-------|-------|-------|-------|--|
| olvi3*                           | 0.125 | 0.125 | 0.125 | (1.0) |  |
| cmyn3*                           | 0.875 | 0.875 | 0.875 | (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                          | 27.52 | -0.08 | 0.457 |       |  |
| LAB*LAB                          | 27.52 | 0.0   | 0.0   |       |  |
| LAB*TCh                          | 27.5  | 0.01  | 0.0   |       |  |
| relative CIELAB lab*             |       |       |       |       |  |
| lab*lab                          | 0.125 | 0.0   | 0.0   |       |  |
| lab*tch                          | 0.125 | 0.0   | 0.0   |       |  |
| lab*nch                          | 0.875 | 0.0   | 0.0   |       |  |
| lab*trj                          | 0.125 | 0.0   | 0.0   |       |  |
| relative Natural Colour (NC)     |       |       |       |       |  |
| lab*lab                          | 0.125 | 0.0   | 0.0   |       |  |
| lab*tch                          | 0.125 | 0.0   | 0.0   |       |  |
| lab*nch                          | 0.875 | 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                          | 18.02 | 0.0  | 0.46 |       |  |
| LAB*LAB                          | 18.02 | 0.0  | 0.0  |       |  |
| LAB*TCh                          | 18.0  | 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  |       |  |
| lab*trj                          | 0.0   | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |       |      |      |       |  |
| 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 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                          | 12.5 | 0.0  | 0.46 |       |  |
| LAB*LAB                          | 12.5 | 0.0  | 0.0  |       |  |
| LAB*TCh                          | 12.5 | 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  |       |  |
| lab*trj                          | 0.0  | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |      |      |      |       |  |
| 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 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                          | 7.5 | 0.0  | 0.46 |       |  |
| LAB*LAB                          | 7.5 | 0.0  | 0.0  |       |  |
| LAB*TCh                          | 7.5 | 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  |       |  |
| lab*trj                          | 0.0 | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |     |      |      |       |  |
| 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 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                          | 4.57 | 0.0  | 0.46 |       |  |
| LAB*LAB                          | 4.57 | 0.0  | 0.0  |       |  |
| LAB*TCh                          | 4.57 | 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  |       |  |
| lab*trj                          | 0.0  | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |      |      |      |       |  |
| 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 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                          | 2.285 | 0.0  | 0.46 |       |  |
| LAB*LAB                          | 2.285 | 0.0  | 0.0  |       |  |
| LAB*TCh                          | 2.285 | 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  |       |  |
| lab*trj                          | 0.0   | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |       |      |      |       |  |
| 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 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                          | 1.1425 | 0.0  | 0.46 |       |  |
| LAB*LAB                          | 1.1425 | 0.0  | 0.0  |       |  |
| LAB*TCh                          | 1.1425 | 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  |       |  |
| lab*trj                          | 0.0    | 0.0  | 0.0  |       |  |
| relative Natural Colour (NC)     |        |      |      |       |  |
| lab*lab                          | 0.0    | 0.0  | 0.0  |       |  |
| lab*tch                          | 0.0    | 0.0  | 0.0  |       |  |
| lab*nch                          | 1.0    | 0.0  | 0.0  |       |  |

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

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & MRS18input: *cmv0\* setcmvcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

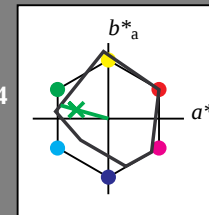
### Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit

1,00

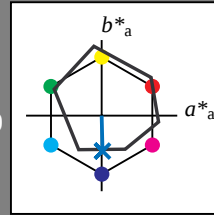


### Eingabe: Farbmimetrisches Reflexions-System ORS18

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



| 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 | 1.0 |
| cmyn3*                           | 0.0   | 0.0   | 0.0  | 0.0 | 0.0 |
| olvi4*                           | 1.0   | 1.0   | 1.0  | 1.0 | 1.0 |
| cmyn4*                           | 0.0   | 0.0   | 0.0  | 0.0 | 0.0 |
| standard and adapted CIELAB      |       |       |      |     |     |
| LAB*LAB                          | 95.41 | -0.97 | 4.75 |     |     |
| LAB*Lab                          | 95.41 | 0.0   | 0.0  |     |     |
| LAB*TCh                          | 99.99 | 0.01  |      |     |     |
| 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  |     |     |
| 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  | 1.0  |
| cmyn3*                           | 0.25  | 0.25 | 0.25 | 0.0  | 0.0  |
| olvi4*                           | 1.0   | 1.0  | 1.0  | 0.75 | 0.75 |
| cmyn4*                           | 0.0   | 0.0  | 0.0  | 0.25 | 0.25 |
| standard and adapted CIELAB      |       |      |      |      |      |
| LAB*LAB                          | 76.06 | -0.6 | 3.44 |      |      |
| LAB*Lab                          | 76.06 | 0.0  | 0.0  |      |      |
| LAB*TCh                          | 75.0  | 0.01 |      |      |      |
| 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  |      |      |
| lab*trj                          | 0.75  | 0.0  | 0.0  |      |      |
| lab*tce                          | 0.75  | 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 | 1.0 |
| cmyn3*                           | 0.5   | 0.5   | 0.5  | 0.0 | 0.0 |
| olvi4*                           | 1.0   | 1.0   | 1.0  | 0.5 | 0.5 |
| cmyn4*                           | 0.0   | 0.0   | 0.0  | 0.5 | 0.5 |
| standard and adapted CIELAB      |       |       |      |     |     |
| LAB*LAB                          | 56.71 | -0.23 | 2.14 |     |     |
| LAB*Lab                          | 56.71 | 0.0   | 0.0  |     |     |
| LAB*TCh                          | 50.0  | 0.01  |      |     |     |
| 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  |     |     |
| 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  | 1.0  |
| cmyn3*                           | 0.75  | 0.75 | 0.75 | 0.0  | 0.0  |
| olvi4*                           | 1.0   | 1.0  | 1.0  | 0.25 | 0.25 |
| cmyn4*                           | 0.0   | 0.0  | 0.0  | 0.75 | 0.75 |
| standard and adapted CIELAB      |       |      |      |      |      |
| LAB*LAB                          | 37.36 | 0.13 | 0.83 |      |      |
| LAB*Lab                          | 37.36 | 0.0  | 0.0  |      |      |
| LAB*TCh                          | 25.0  | 0.01 |      |      |      |
| 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  |      |      |
| lab*trj                          | 0.25  | 0.0  | 0.0  |      |      |
| lab*tce                          | 0.25  | 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  | 1.0  |
| cmyn3*                           | 1.0   | 1.0 | 1.0  | 0.0  | 0.0  |
| olvi4*                           | 1.0   | 1.0 | 1.0  | 0.75 | 0.75 |
| cmyn4*                           | 0.0   | 0.0 | 0.0  | 1.0  | 1.0  |
| standard and adapted CIELAB      |       |     |      |      |      |
| LAB*LAB                          | 18.02 | 0.5 | 0.46 |      |      |
| LAB*Lab                          | 18.02 | 0.0 | 0.0  |      |      |
| LAB*TCh                          | 0.01  |     |      |      |      |
| 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  |      |      |
| 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  | 1.0  |
| cmyn3*                           | 1.0   | 1.0 | 1.0  | 0.0  | 0.0  |
| olvi4*                           | 1.0   | 1.0 | 1.0  | 0.75 | 0.75 |
| cmyn4*                           | 0.0   | 0.0 | 0.0  | 1.0  | 1.0  |
| standard and adapted CIELAB      |       |     |      |      |      |
| LAB*LAB                          | 18.02 | 0.5 | 0.46 |      |      |
| LAB*Lab                          | 18.02 | 0.0 | 0.0  |      |      |
| LAB*TCh                          | 0.01  |     |      |      |      |
| 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  |      |      |
| 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 Natural Colour (NC)

lab\*trj 0.0 0.0 0.0 0.0

lab\*tce 0.0 0.0 0.0 0.0

lab\*nce 1.0 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0 0.0

lab\*tce 0.0 0.0 0.0 0.0

lab\*nce 1.0 0.0 0.0 0.0

lab\*trj 0.0 0.0 0.0 0.0

lab\*tce 0.0 0.0 0.0 0.0

lab\*nce 1.0 0.0 0.0 0.0

lab\*trj 0.0 0.0 0.0 0.0

lab\*tce 0.0 0.0 0.0 0.0

lab\*nce 1.0 0.0 0.0 0.0

lab\*trj 0.0 0.0 0.0 0.0

lab\*tce 0.0 0.0 0.0 0.0

lab\*nce 1.0 0.0 0.0 0.0

lab\*trj 0.0 0.0 0.0 0.0

lab\*tce 0.0 0.0 0.0 0.0

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