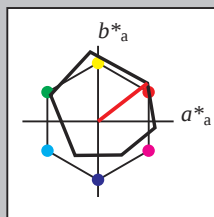


Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*ich$  und  $lab^*nch$

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

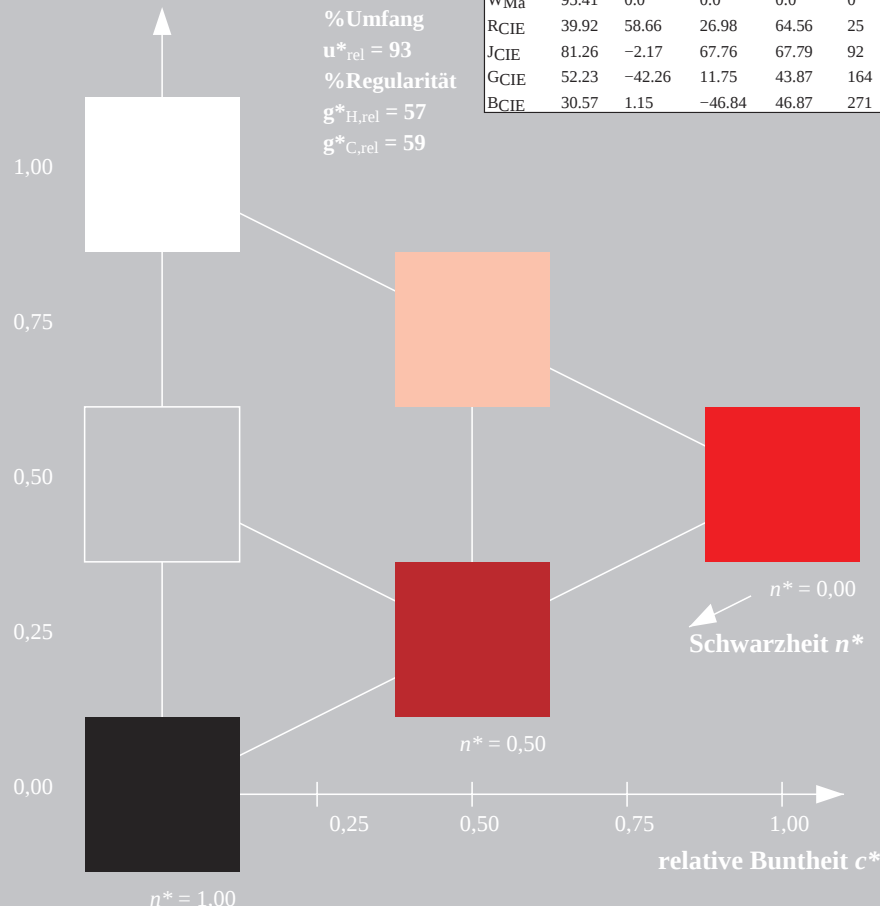


%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

ORS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50B <sub>Ma</sub> | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| B <sub>Ma</sub>    | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50R <sub>Ma</sub> | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| 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            |
| 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          |

Dreiecks-Helligkeit  $t^*$



UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

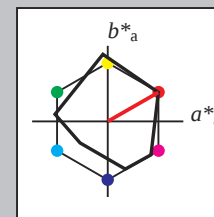
BAM-Prüfvorlage UG60; Farbmatrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

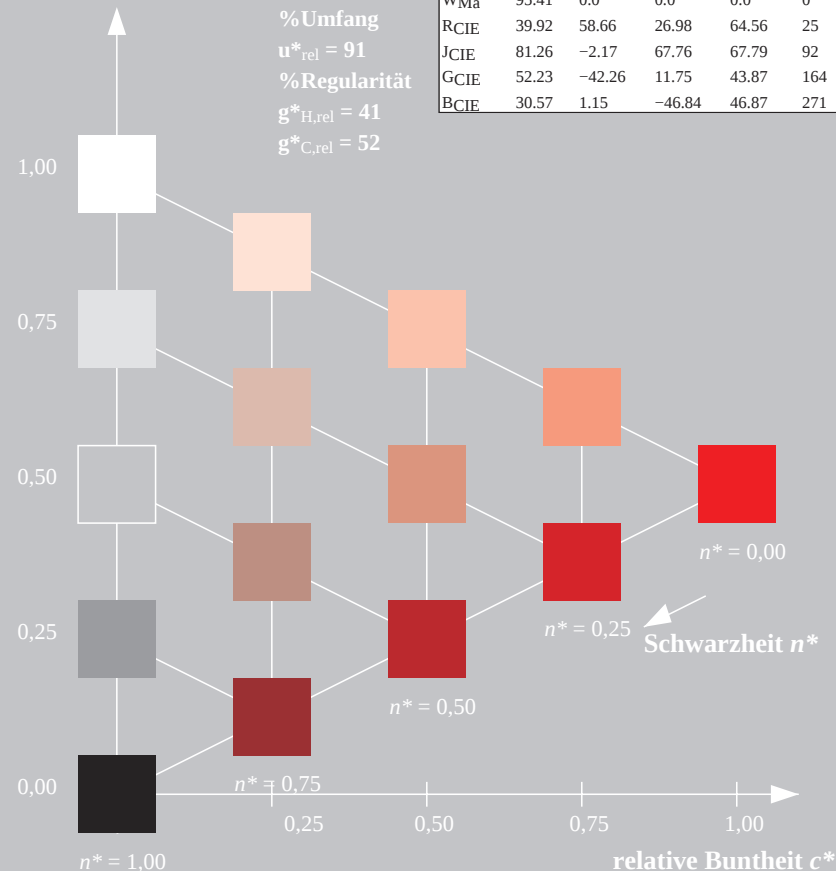


%Umfang  
 $u^*_{rel} = 91$   
%Regularität  
 $g^*_{H,rel} = 41$   
 $g^*_{C,rel} = 52$

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          |
| 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            |
| 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          |

Dreiecks-Helligkeit  $t^*$



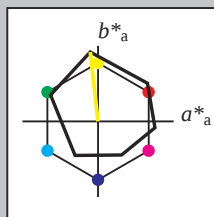
5stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

output:  $cmY0^* / 000n^* setcmykcolor$

### Eingabe: Farbmatisches Reflexions-System ORS18

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

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

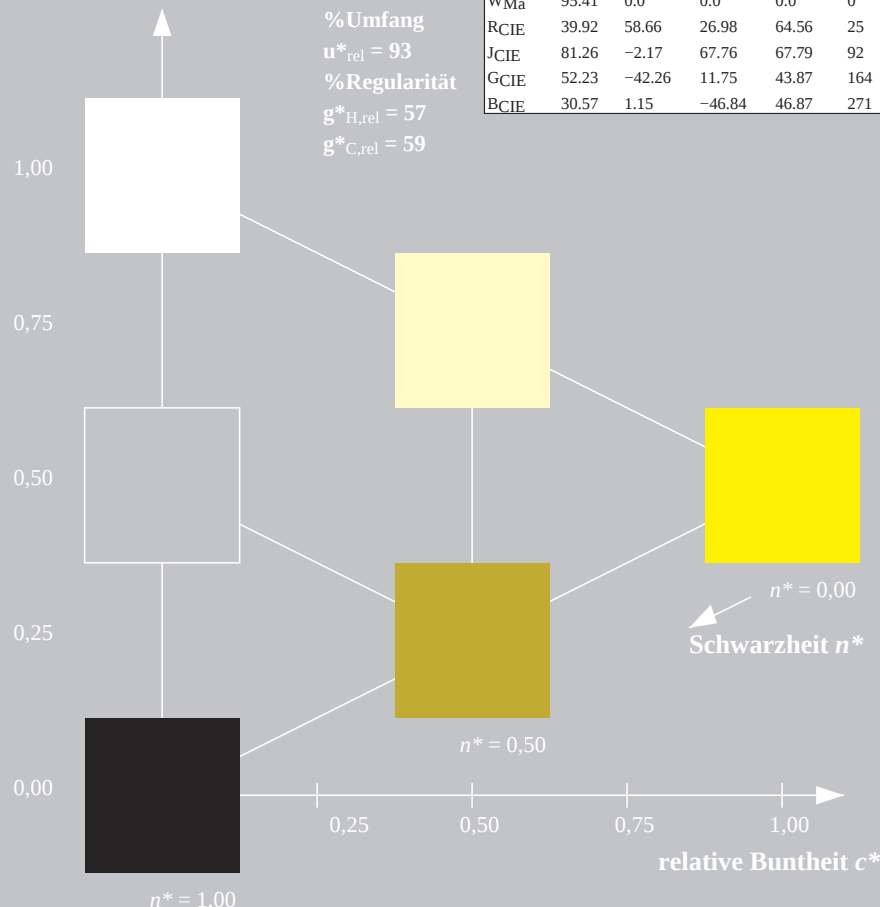


%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

#### ORS18; adaptierte CIELAB-Daten

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa    | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa    | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa    | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa | 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          |

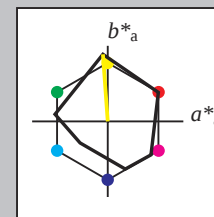
#### Dreiecks-Helligkeit $t^*$



### Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

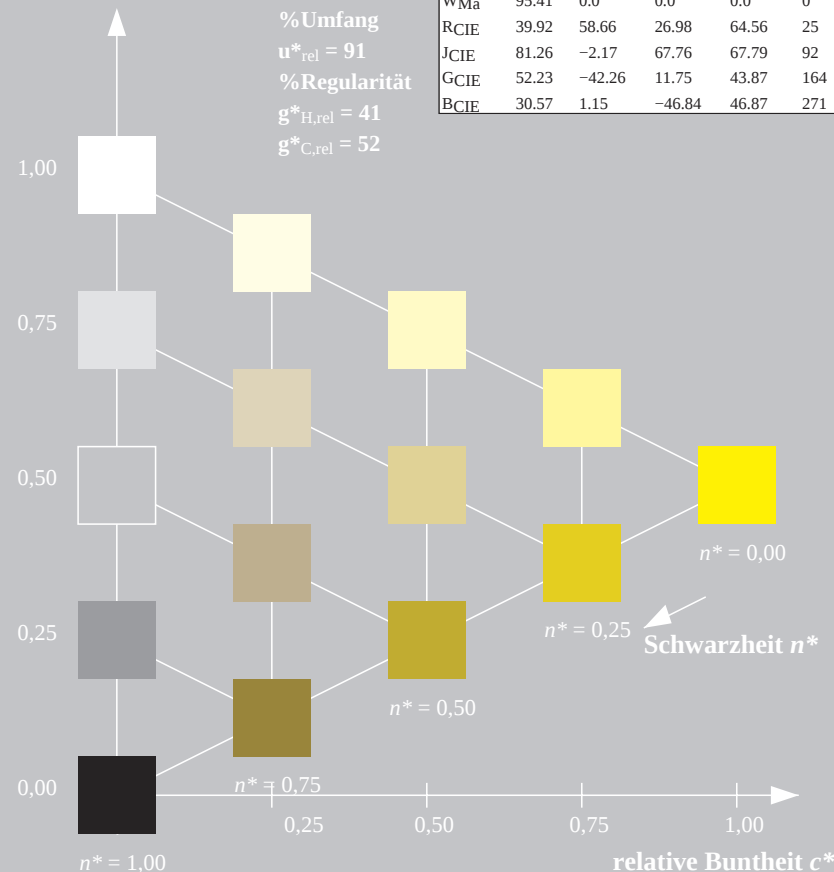


%Umfang  
 $u^*_{rel} = 91$   
%Regularität  
 $g^*_{H,rel} = 41$   
 $g^*_{C,rel} = 52$

#### 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          |

#### Dreiecks-Helligkeit $t^*$



UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

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

BAM-Prüfvorlage UG60; Farbmatrik-Systeme ORS18 & MRS18input: `cmY0* setcmykcolor`

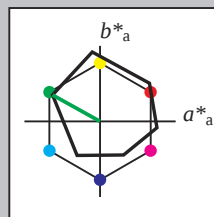
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

output: `cmY0* / 000n* setcmykcolor`

### Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*ich$  und  $lab^*nch$

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

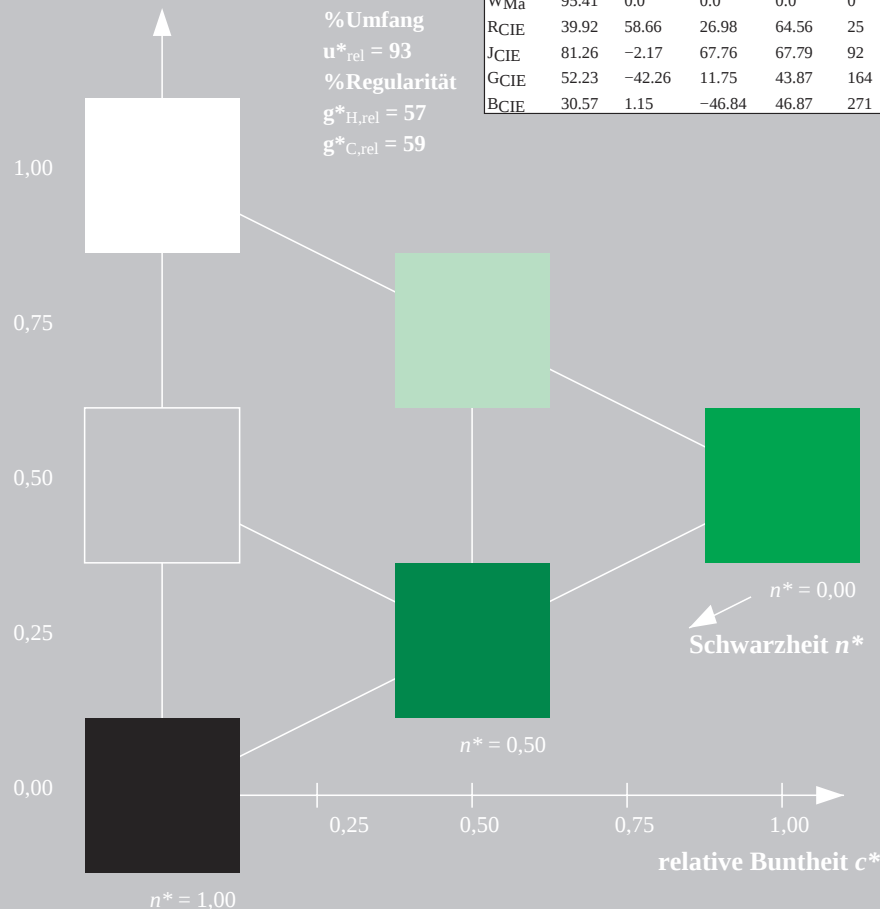


%Umfang  
 $u^*_{rel} = 93$   
%Regularität  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

### ORS18; adaptierte CIELAB-Daten

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa    | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa    | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa    | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa | 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          |

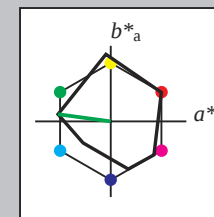
### Dreiecks-Helligkeit $t^*$



### Ausgabe: Farbmétrisches Reflexions-System MRS18

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

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

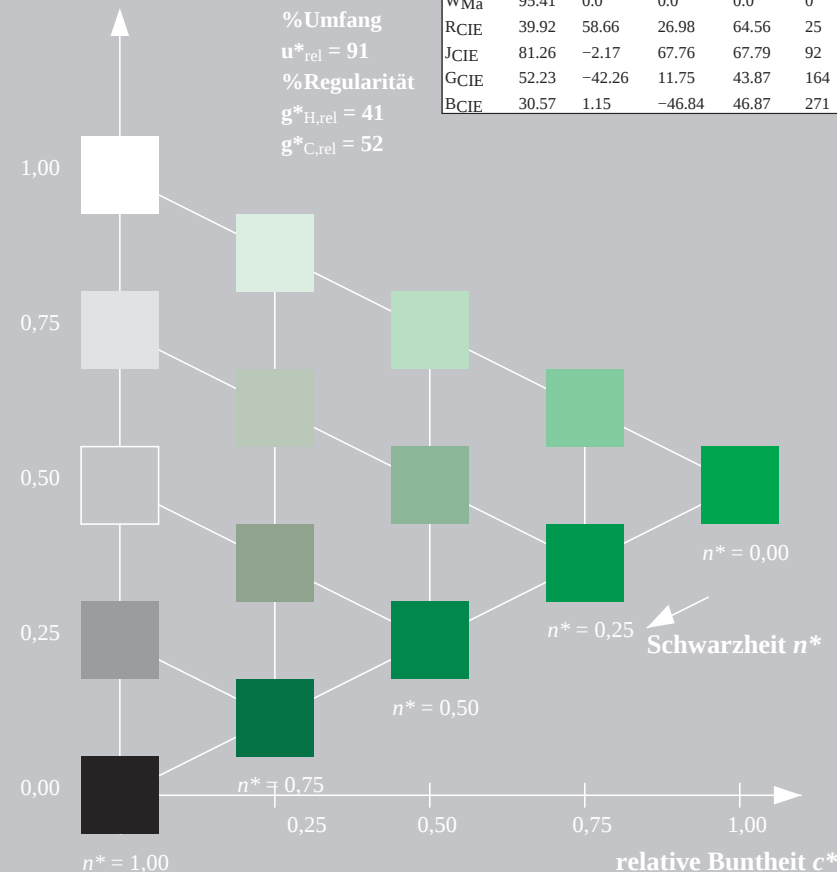


%Umfang  
 $u^*_{rel} = 91$   
%Regularität  
 $g^*_{H,rel} = 41$   
 $g^*_{C,rel} = 52$

### 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          |

### Dreiecks-Helligkeit $t^*$



UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (rechts)

BAM-Prüfvorlage UG60; Farbmétrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

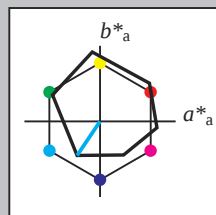
output:  $cmY0^* / 000n^* setcmykcolor$

### Eingabe: Farbmétrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

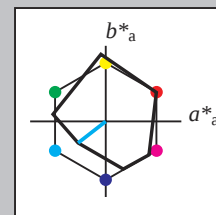
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |

### Ausgabe: Farbmétrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit  $t^*$



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

| 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          |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

$n^* = 0,50$

Schwarzheit  $n^*$

$n^* = 0,00$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

0,25

0,50

0,75

1,00

relative Buntheit  $c^*$

$n^* = 0,25$

Schwarzheit  $n^*$

$n^* = 0,00$

UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

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

BAM-Prüfvorlage UG60; Farbmétrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

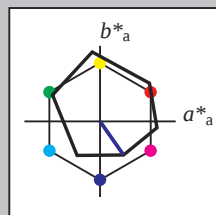
output:  $cmY0^* / 000n^* setcmykcolor$

### Eingabe: Farbmatisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit  $t^*$



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

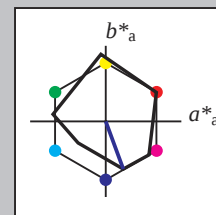
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50B <sub>Ma</sub>             | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| B <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50R <sub>Ma</sub>             | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| 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            |
| 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          |

### Ausgabe: Farbmatisches Reflexions-System MRS18

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

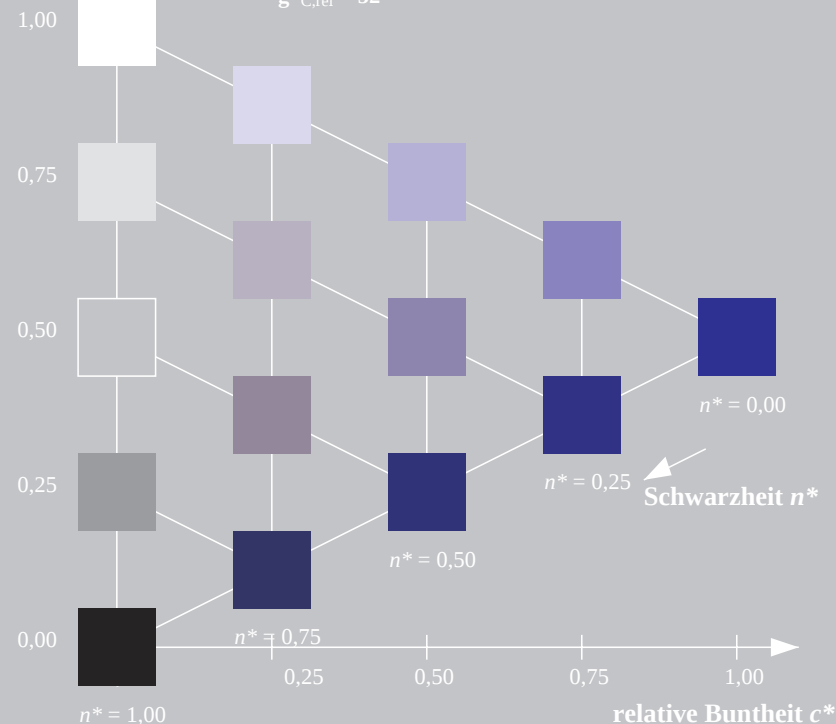
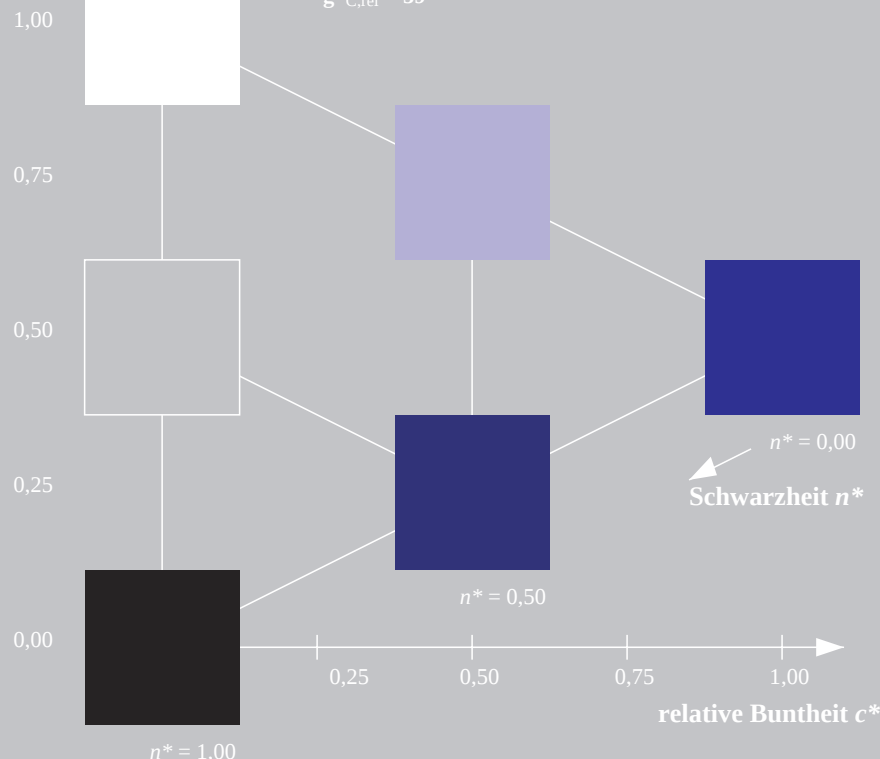
D65: Buntton B  
LCH\*Ma: 37 67 290  
rgb\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



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

| 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          |
| 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            |
| 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          |



UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

BAM-Prüfvorlage UG60; Farbmatrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

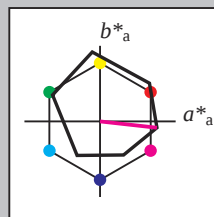
D65: 3 und 5stufige Farbreihen für 10 Bunttöne

output:  $cmY0^* / 000n^* setcmykcolor$

### Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton  $h^* = lab^*h = 354/360 = 0.982$   
 $lab^*ich$  und  $lab^*nch$

D65: Buntton M  
LCH\*Ma: 48 76 354  
rgb\*Ma: 1.0 0.0 1.0



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

| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |

Dreiecks-Helligkeit  $t^*$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

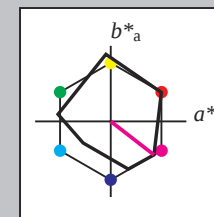
$n^* = 0,00$   
Schwarzheit  $n^*$

$n^* = 0,50$

### Ausgabe: Farbmétrisches Reflexions-System MRS18

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

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



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

| 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          |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

relative Buntheit  $c^*$

0,25

0,50

0,75

1,00

$n^* = 0,25$   
Schwarzheit  $n^*$

$n^* = 0,50$

$n^* = 0,75$

UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

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

BAM-Prüfvorlage UG60; Farbmétrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

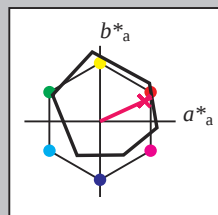
output:  $cmY0^* / 000n^* setcmykcolor$

Eingabe: Farbmétrisches Reflexions-System ORS18

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

D65: Buntton R  
LCH\*Ma: 48 75 25  
rgb\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



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

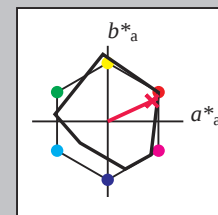
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50B <sub>Ma</sub>             | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| B <sub>Ma</sub>                | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50R <sub>Ma</sub>             | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| 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            |
| 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          |

Ausgabe: Farbmétrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit  $t^*$



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

| 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          |
| 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            |
| 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          |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

relative Buntheit  $c^*$

$n^* = 0,50$

Schwarzheit  $n^*$

$n^* = 0,00$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

relative Buntheit  $c^*$

UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

5stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

BAM-Prüfvorlage UG60; Farbmétrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

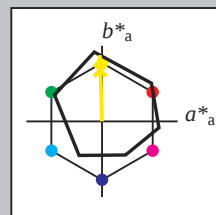
output:  $cmY0^* / 000n^* setcmykcolor$

Eingabe: Farbmétrisches Reflexions-System ORS18

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

D65: Buntton J  
LCH\*Ma: 86 88 92  
rgb\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit  $t^*$



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

ORS18; adaptierte CIELAB-Daten

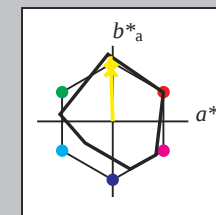
|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa    | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa    | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa    | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa | 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          |

Ausgabe: Farbmétrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit  $t^*$



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

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          |

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

0,25

$n^* = 0,50$

relative Buntheit  $c^*$

$n^* = 0,00$   
Schwarzheit  $n^*$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

relative Buntheit  $c^*$

$n^* = 0,00$   
Schwarzheit  $n^*$

UG600-7, 3stufige Reihen für konstanten CIELAB Buntton  $92/360 = 0.255$  (links)

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

BAM-Prüfvorlage UG60; Farbmétrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

output:  $cmY0^* / 000n^* setcmykcolor$

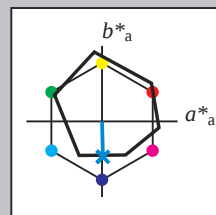
Seitenzahl 9

Eingabe: Farbmétrisches Reflexions-System ORS18

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

D65: Buntton B  
LCH\*Ma: 42 45 271  
rgb\*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit  $t^*$



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

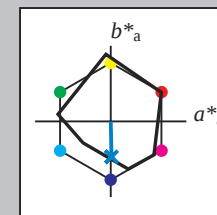
| ORS18; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                            | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa                            | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa                            | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa                         | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa                            | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa                         | 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          |

Ausgabe: Farbmétrisches Reflexions-System MRS18

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

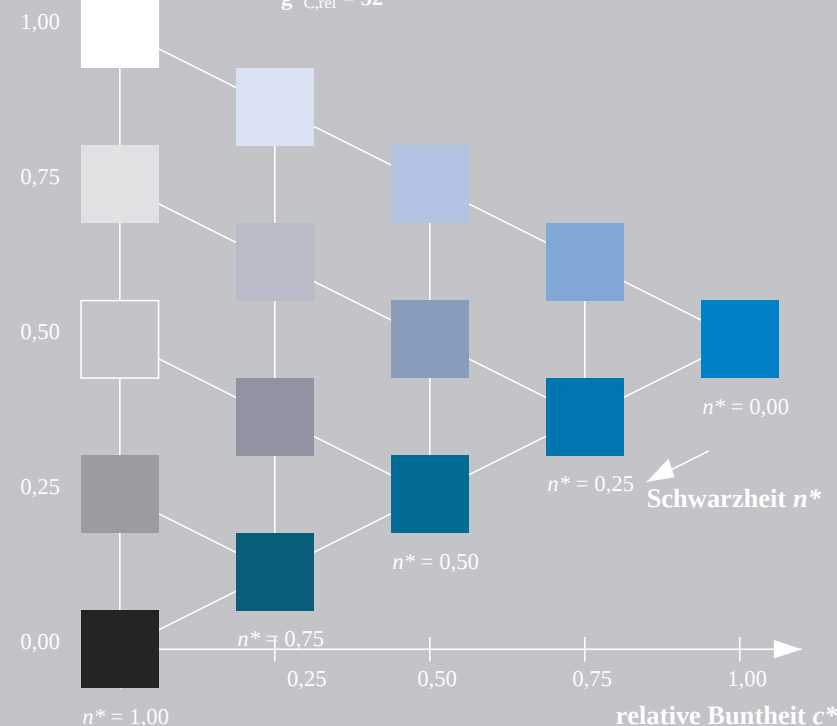
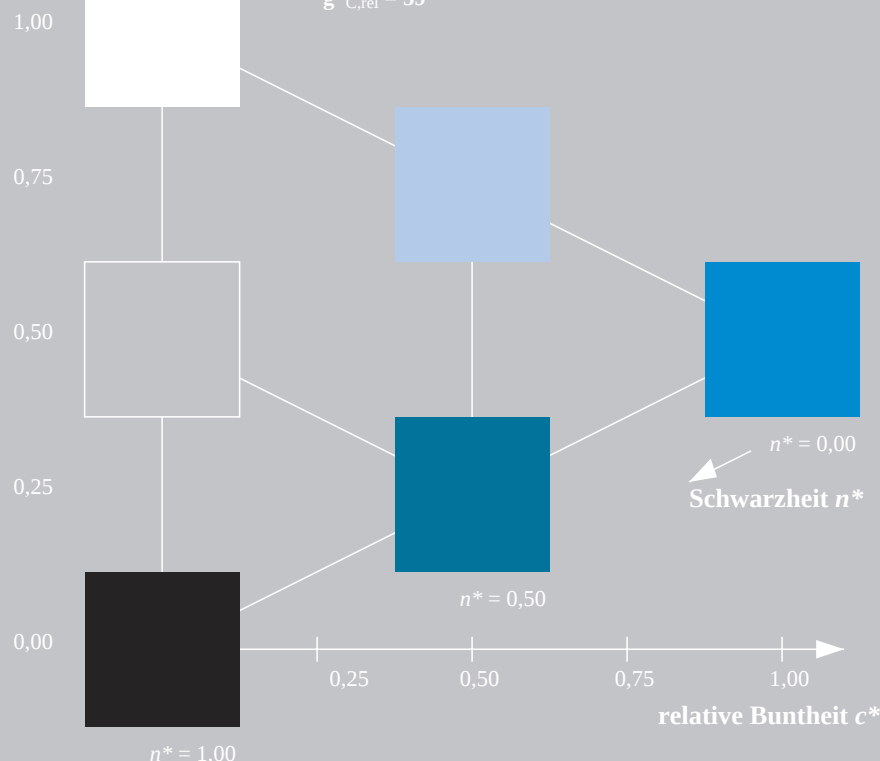
D65: Buntton B  
LCH\*Ma: 40 50 271  
rgb\*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit  $t^*$



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

| 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          |



UG600-7, 3stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

BAM-Prüfvorlage UG60; Farbmétrik-Systeme ORS18 & MRS18input:  $cmY0^* setcmykcolor$

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

output:  $cmY0^* / 000n^* setcmykcolor$