

Eingabe: Farbmimetrisches Reflexions-System MRS18a

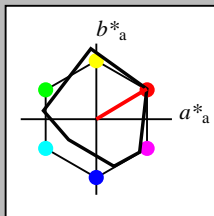
für Buntton $h^* = lab \cdot h = 31/360 = 0.086$

$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

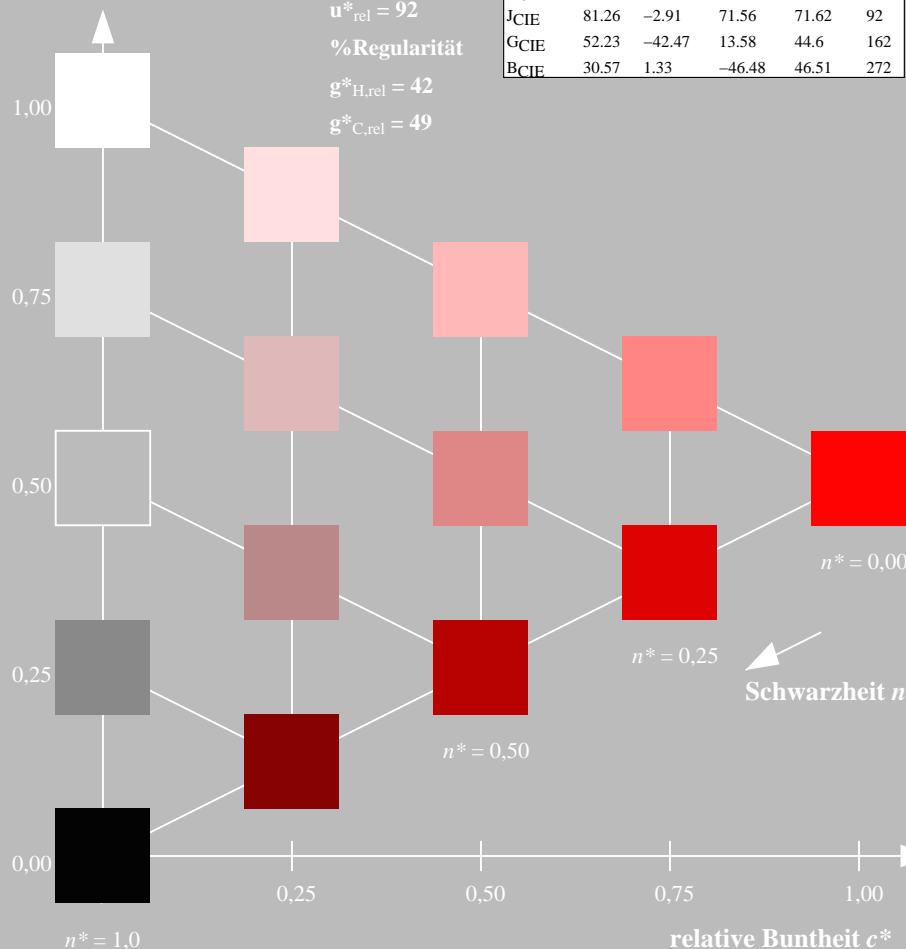
%Umfang

$u^*_{rel} = 92$

%Regularität

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

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



TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton $31/360 = 0.086$ (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

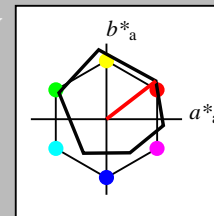
für Buntton $h^* = lab \cdot h = 38/360 = 0.105$

$LAB \cdot LCH$, $LAB \cdot NCH$

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0



| 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 |

CIELAB-Helligkeit L^*

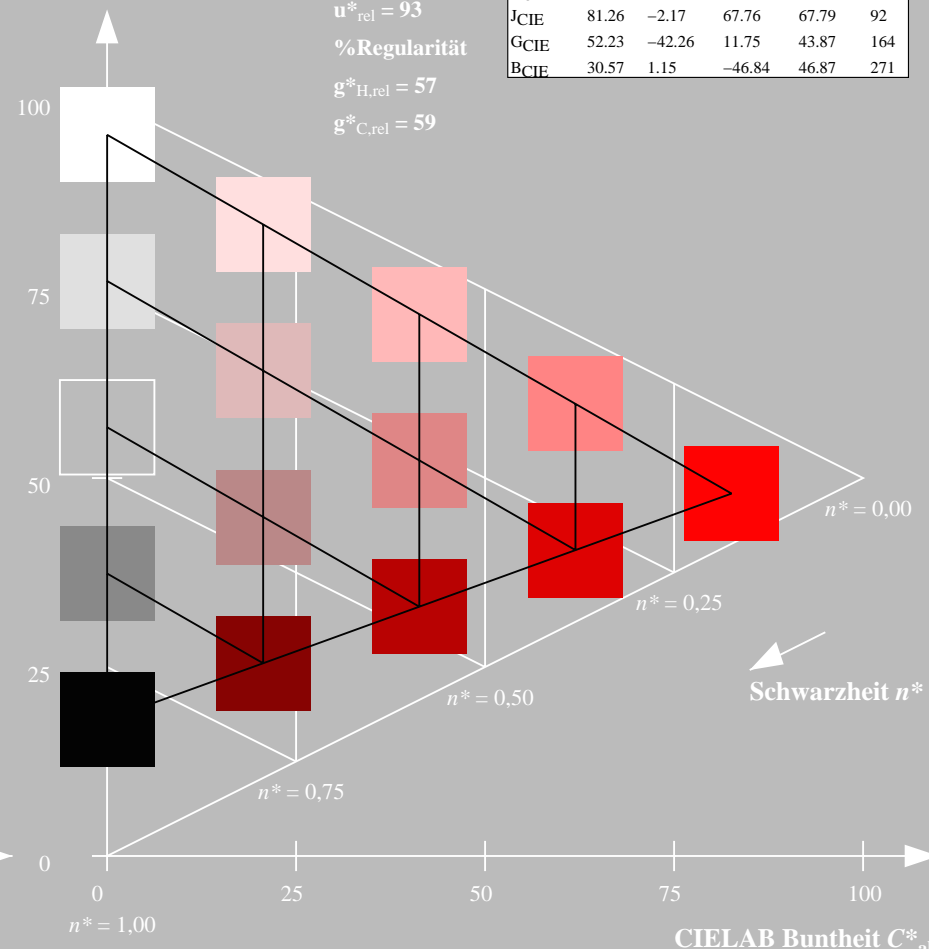
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

BAM-Prüfvorlage TG26; Farbmimetrische Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen

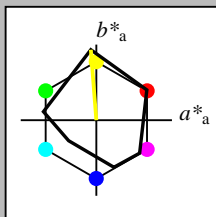
Input: $olv^* setrgbcolor$

Output: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmétrisches Reflexions-System MRS18a

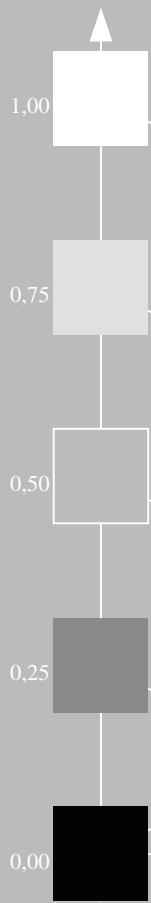
für Buntton $h^* = lab \cdot h = 94/360 = 0.262$
 $lab \cdot tch$ und $lab \cdot nch$

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



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

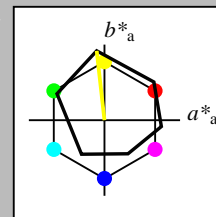


%Umfang
 $u^*_{rel} = 92$
%Regularität
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

Ausgabe: Farbmétrisches Reflexions-System ORS18

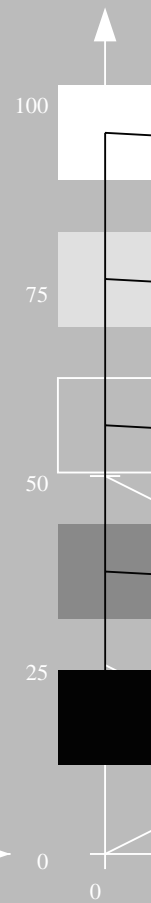
für Buntton $h^* = lab \cdot h = 96/360 = 0.268$
 $LAB \cdot LCH$, $LAB \cdot NCH$

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



| 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 |

CIELAB-Helligkeit L^*



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

TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.262$ (links)

5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (rechts)

BAM-Prüfvorlage TG26; Farbmétrik-Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttöne
Input: $olv^* \cdot setrgbcolor$
Output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

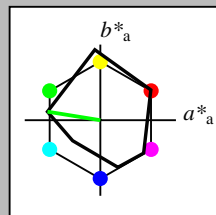
für Buntton $h^* = lab^*h = 171/360 = 0.475$

lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50B _{Ma} | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| B _{Ma} | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50R _{Ma} | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

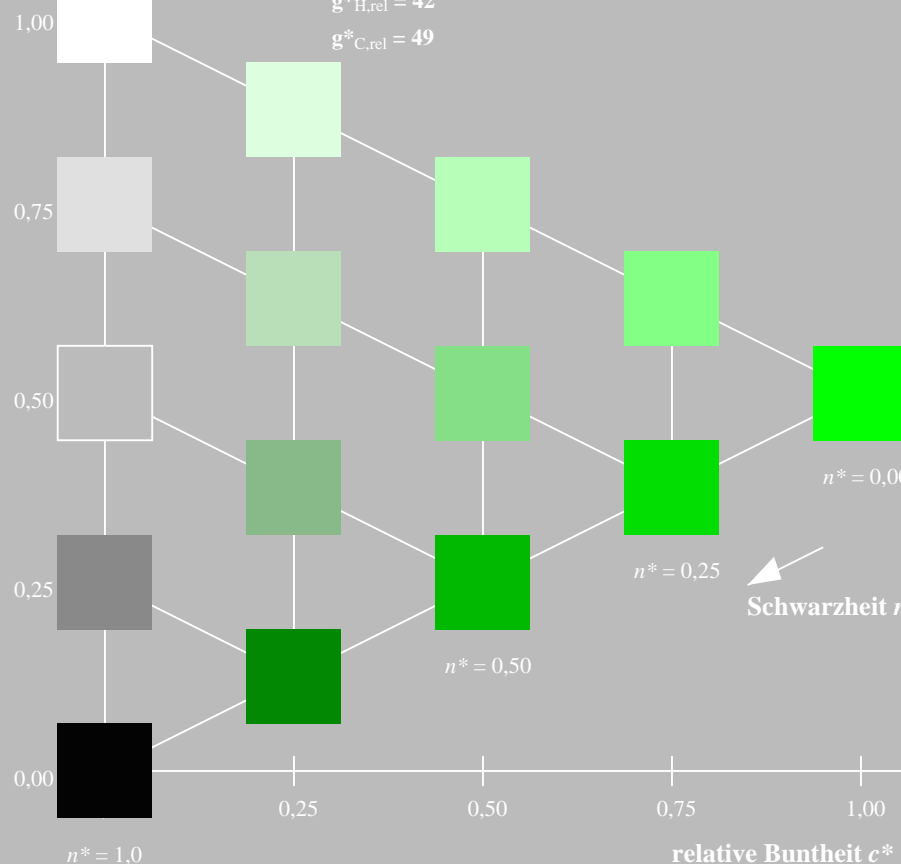
%Umfang

$u^*_{rel} = 92$

%Regularität

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

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



TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton $171/360 = 0.475$ (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

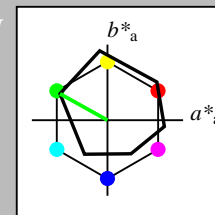
für Buntton $h^* = lab^*h = 151/360 = 0.419$

LAB^*LCH , LAB^*NCH

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0



| 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 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

CIELAB-Helligkeit L^*

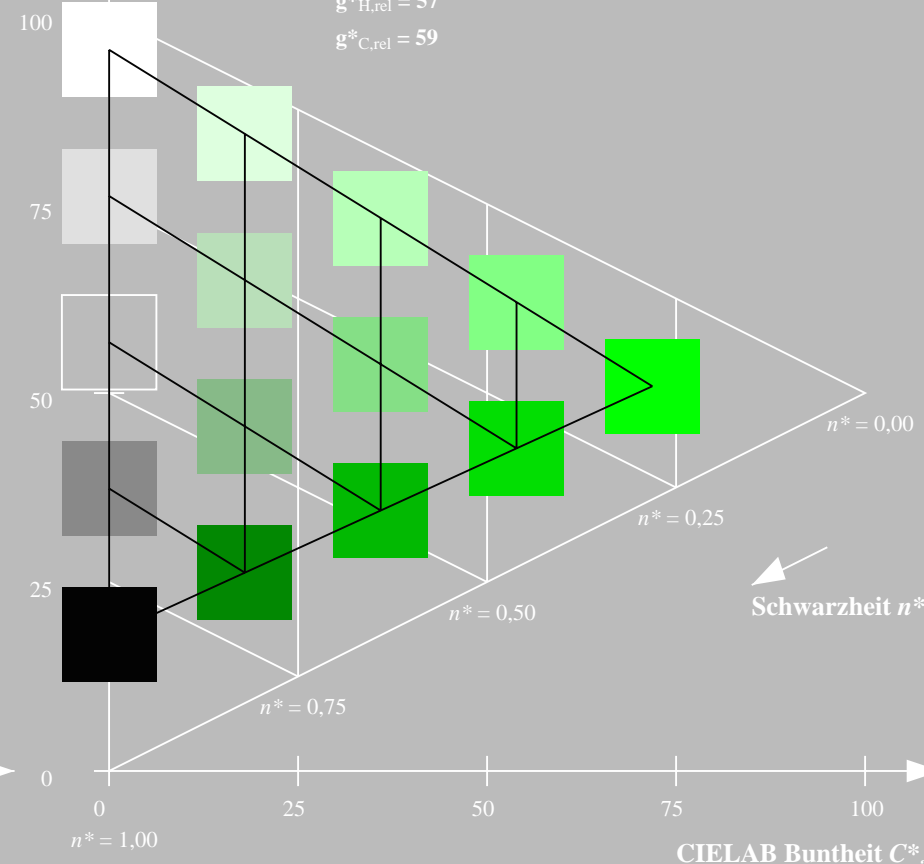
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton $151/360 = 0.419$ (rechts)

BAM-Prüfvorlage TG26; Farbmimetrische Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen

Input: $olv^*setrgbcolor$

Output: $olv^*setrgbcolor / w^*setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

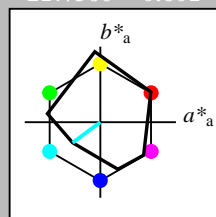
für Buntton $h^* = lab^*h = 217/360 = 0.601$

lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50B _{Ma} | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| B _{Ma} | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50R _{Ma} | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

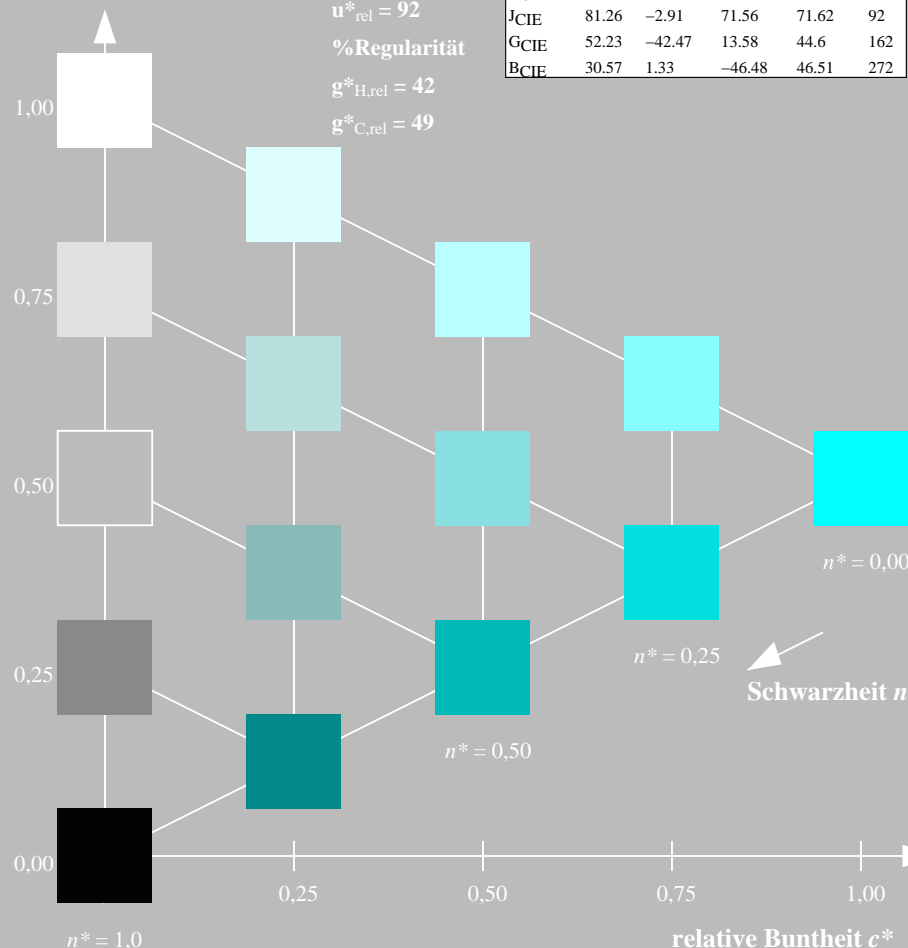
%Umfang

$u^*_{rel} = 92$

%Regularität

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

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



TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

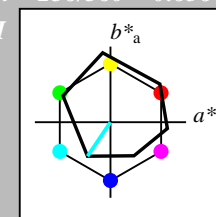
für Buntton $h^* = lab^*h = 236/360 = 0.656$

LAB^*LCH , LAB^*NCH

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0



| 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 |
| V _{Ma} | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| M _{Ma} | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| 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 |

CIELAB-Helligkeit L^*

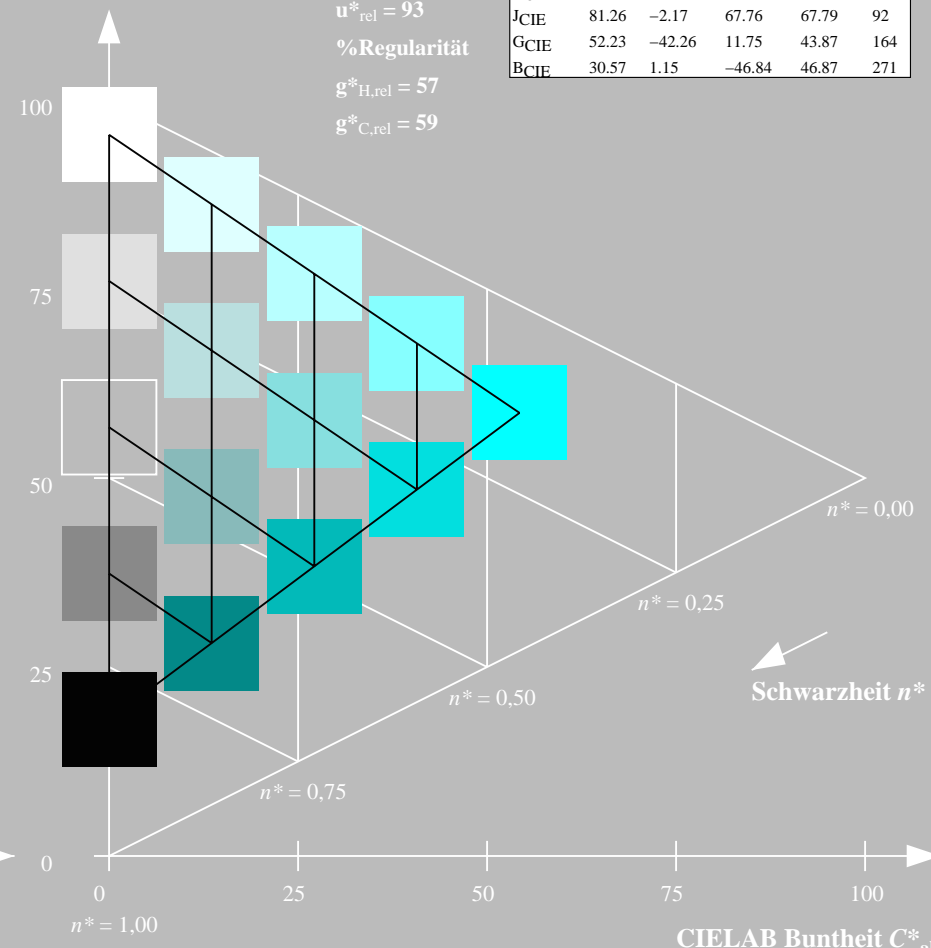
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

BAM-Prüfvorlage TG26; Farbmimetrische Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen

Input: $olv^*setrgbcolor$

Output: $olv^*setrgbcolor / w^*setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

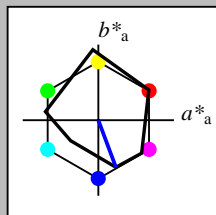
für Buntton $h^* = lab^*h = 290/360 = 0.807$

lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

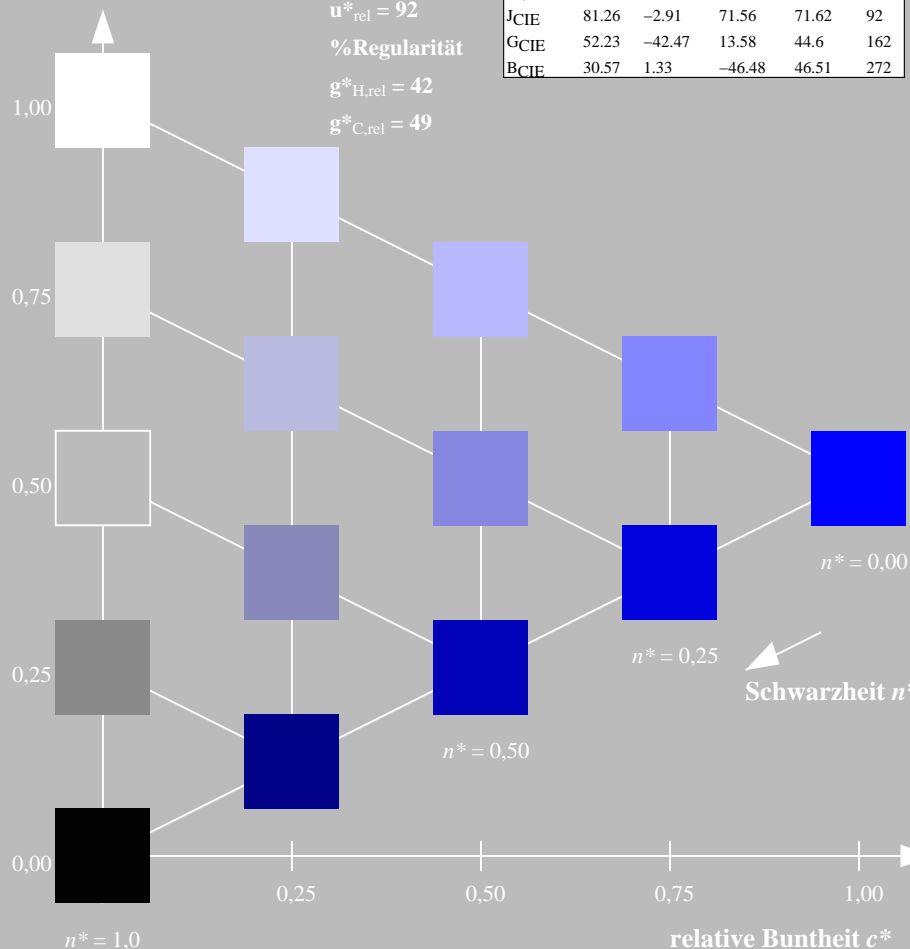
%Umfang

$u^*_{rel} = 92$

%Regularität

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

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



TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton $290/360 = 0.807$ (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

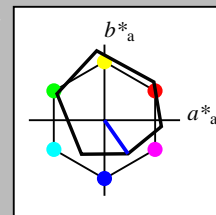
für Buntton $h^* = lab^*h = 305/360 = 0.847$

LAB^*LCH , LAB^*NCH

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0



| 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 |

CIELAB-Helligkeit L^*

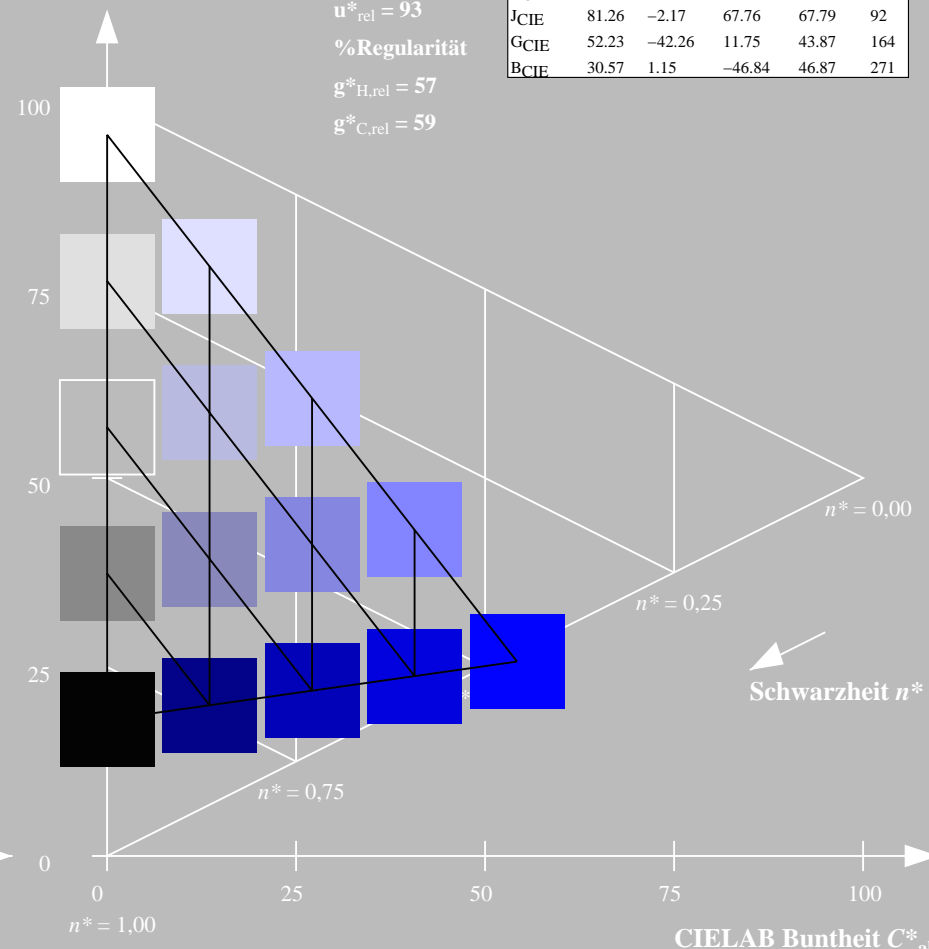
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton $305/360 = 0.847$ (rechts)

BAM-Prüfvorlage TG26; Farbmimetrische Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen

Input: $olv^*setrgbcolor$

Output: $olv^*setrgbcolor / w^*setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

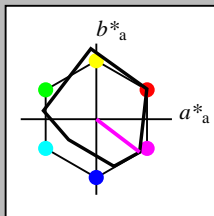
für Buntton $h^* = lab^*h = 323/360 = 0.896$

lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50B _{Ma} | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| B _{Ma} | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50R _{Ma} | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

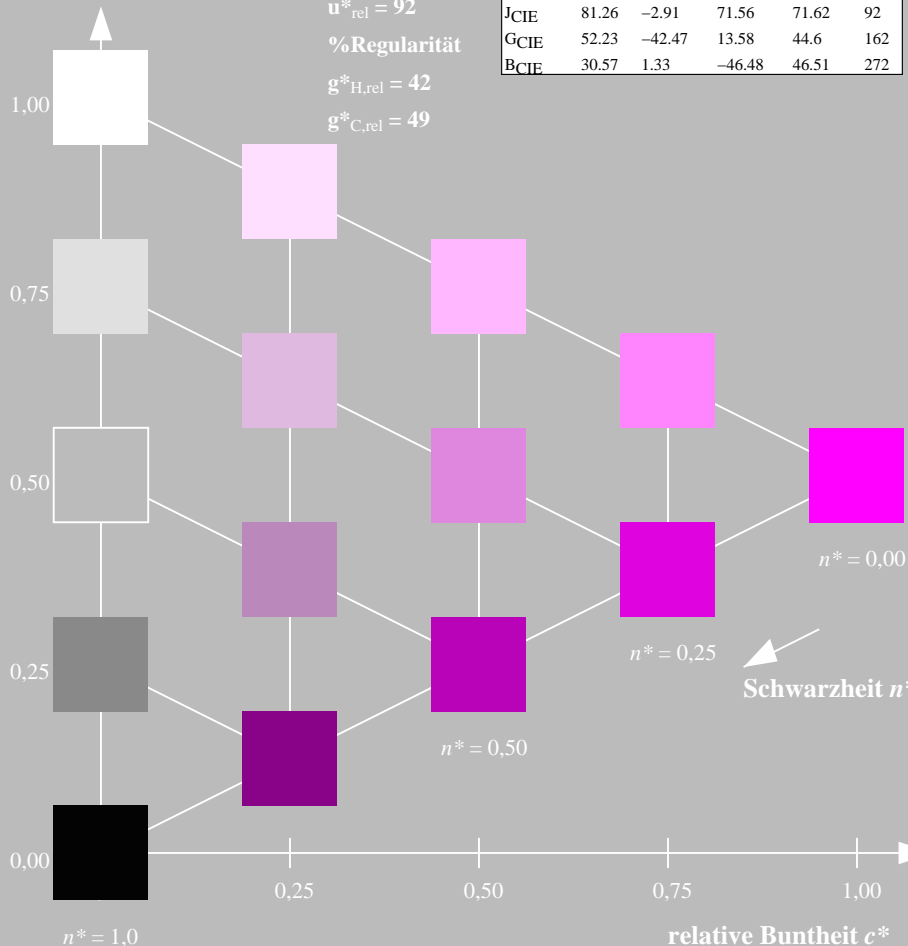
%Umfang

$u^*_{rel} = 92$

%Regularität

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

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



TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

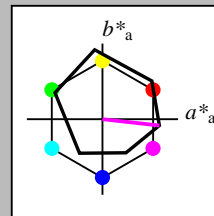
für Buntton $h^* = lab^*h = 354/360 = 0.982$

LAB^*LCH , LAB^*NCH

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0



| 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 |
| V _{Ma} | 25.71 | 31.11 | -44.42 | 54.24 | 305 |
| M _{Ma} | 48.13 | 75.27 | -8.35 | 75.73 | 354 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| 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 |

CIELAB-Helligkeit L^*

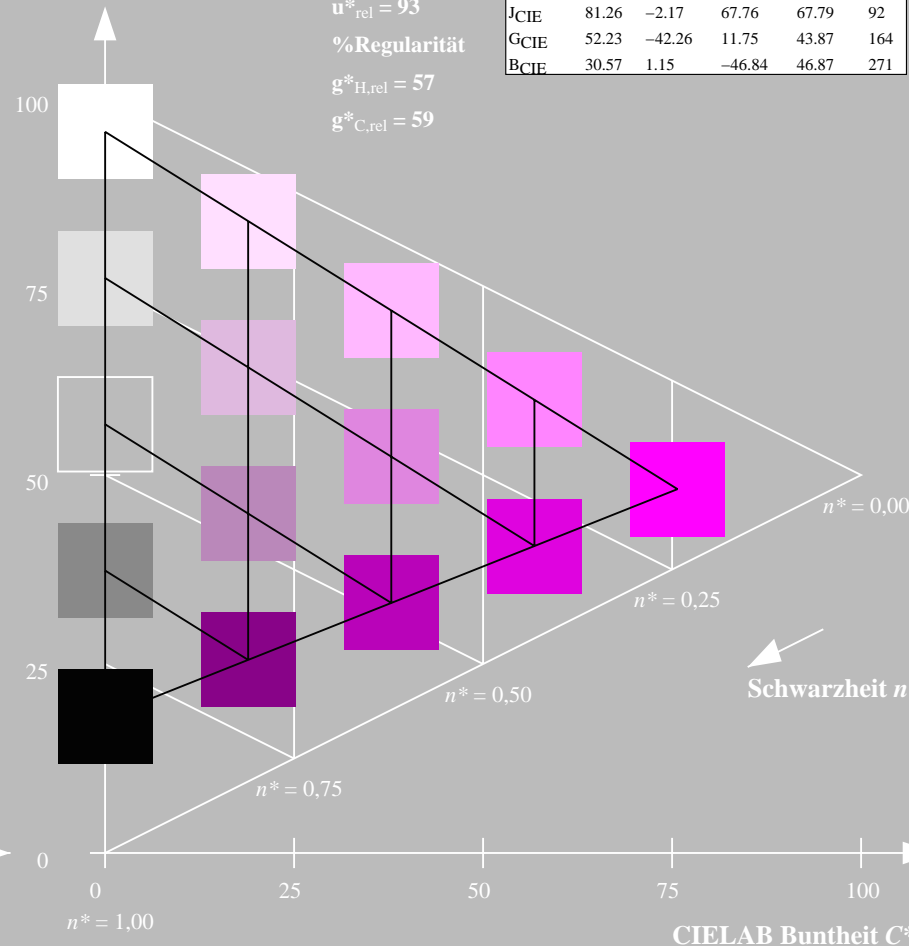
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage TG26; Farbmimetrische Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen

Input: $olv^*setrgbcolor$

Output: $olv^*setrgbcolor / w^*setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

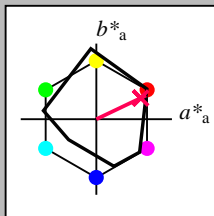
für Buntton $h^* = lab \cdot h = 25/360 = 0.071$

$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

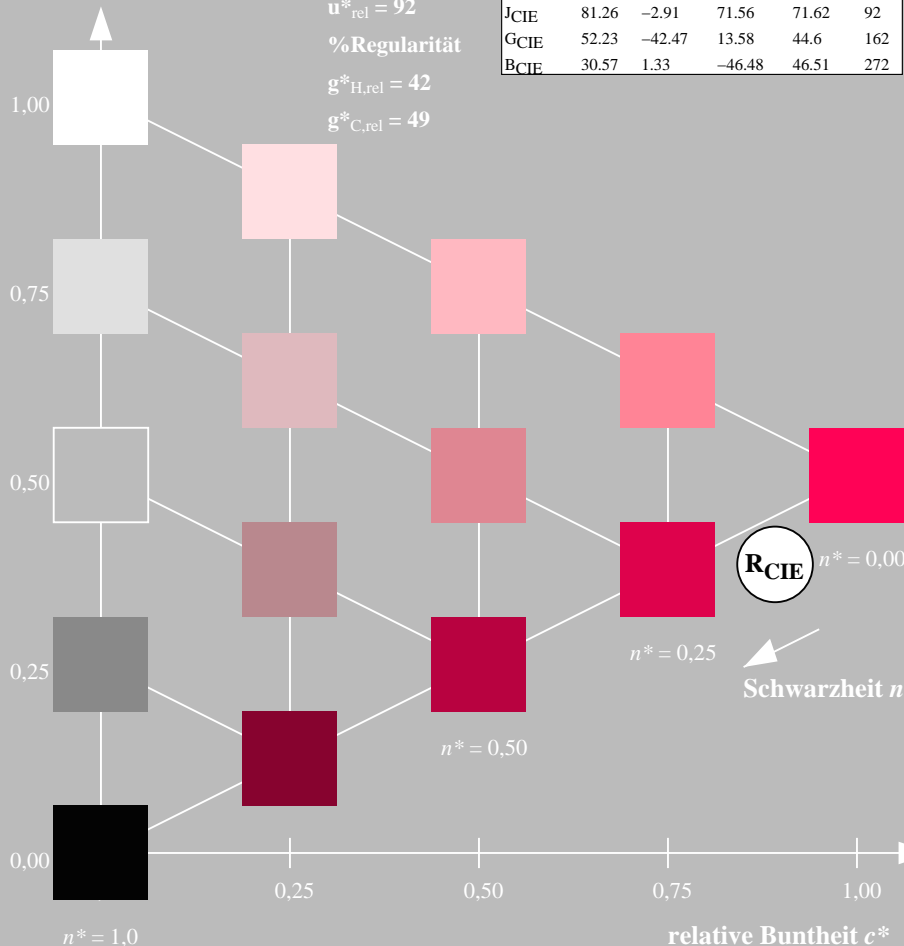
%Umfang

$u^*_{rel} = 92$

%Regularität

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

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



TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

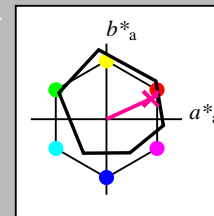
für Buntton $h^* = lab \cdot h = 25/360 = 0.069$

$LAB \cdot LCH$, $LAB \cdot NCH$

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32



| 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 |

CIELAB-Helligkeit L^*

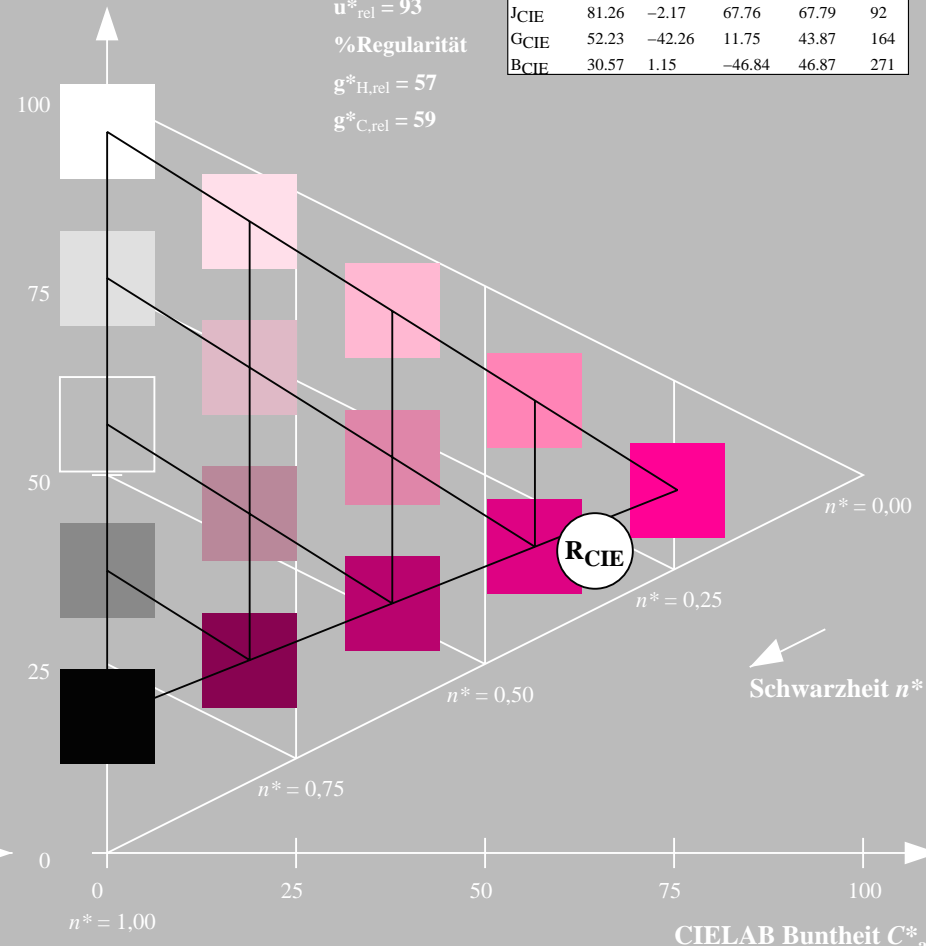
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage TG26; Farbmimetrische-Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen

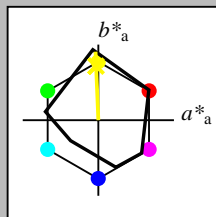
Input: $olv^* setrgbcolor$

Output: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

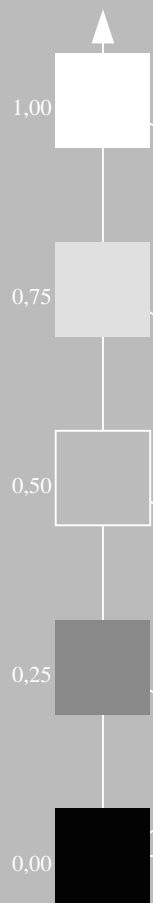
für Buntton $h^* = lab \cdot h = 92/360 = 0.256$
 $lab \cdot tch$ und $lab \cdot nch$

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



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 92$
%Regularität
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

J_{CIE}

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

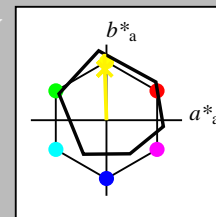
relative Buntheit c^*

TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

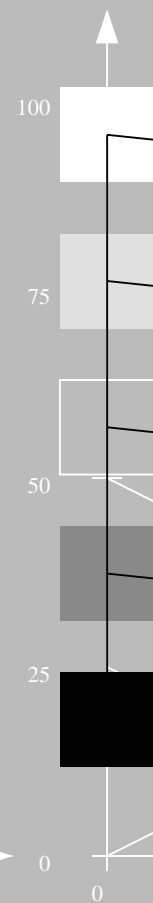
für Buntton $h^* = lab \cdot h = 92/360 = 0.255$
 $LAB \cdot LCH$, $LAB \cdot NCH$

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



| 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 |

CIELAB-Helligkeit L^*



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

J_{CIE}

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 0,75$

CIELAB Buntheit C^*_{ab}

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

BAM-Prüfvorlage TG26; Farbmimetrische Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttoninput: $olv^* \cdot setrgbcolor$ / $w^* \cdot setgray$

Eingabe: Farbmétrisches Reflexions-System MRS18a

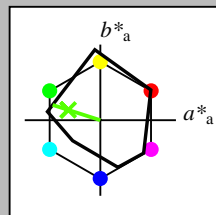
für Buntton $h^* = lab^*h = 162/360 = 0.451$

lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

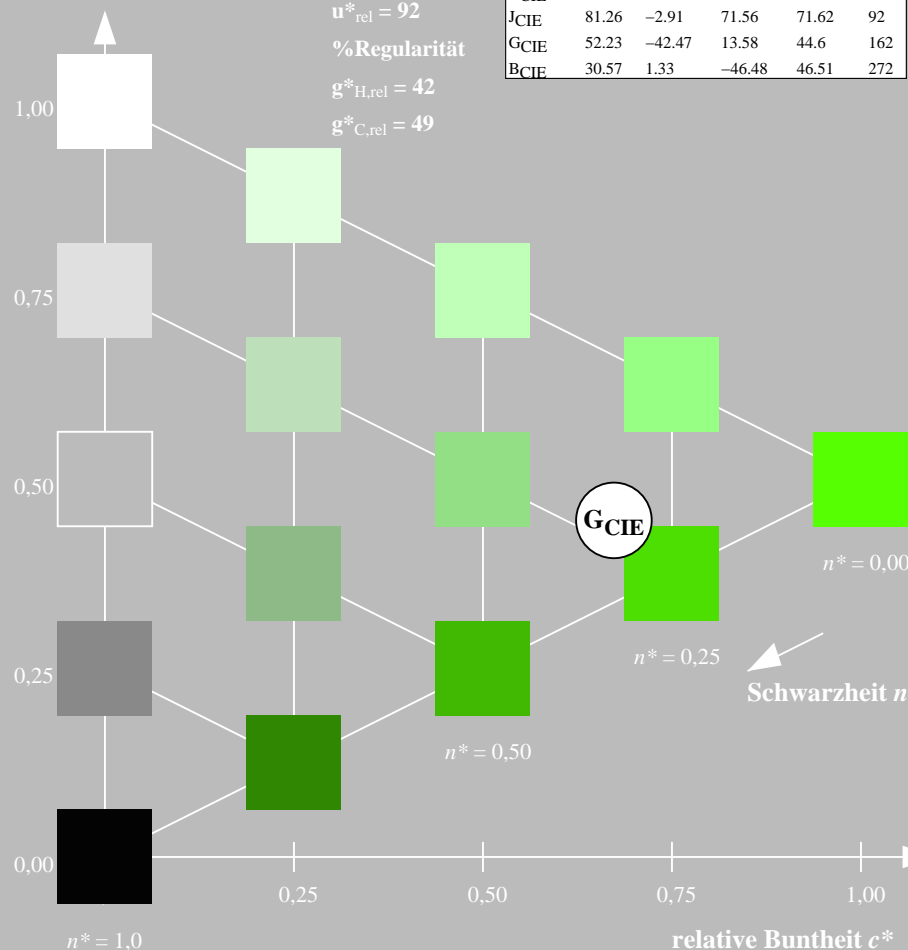
%Umfang

$u^*_{rel} = 92$

%Regularität

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

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



TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmétrisches Reflexions-System ORS18

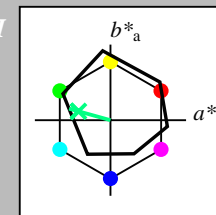
für Buntton $h^* = lab^*h = 164/360 = 0.457$

LAB^*LCH , LAB^*NCH

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25



| 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 |

CIELAB-Helligkeit L^*

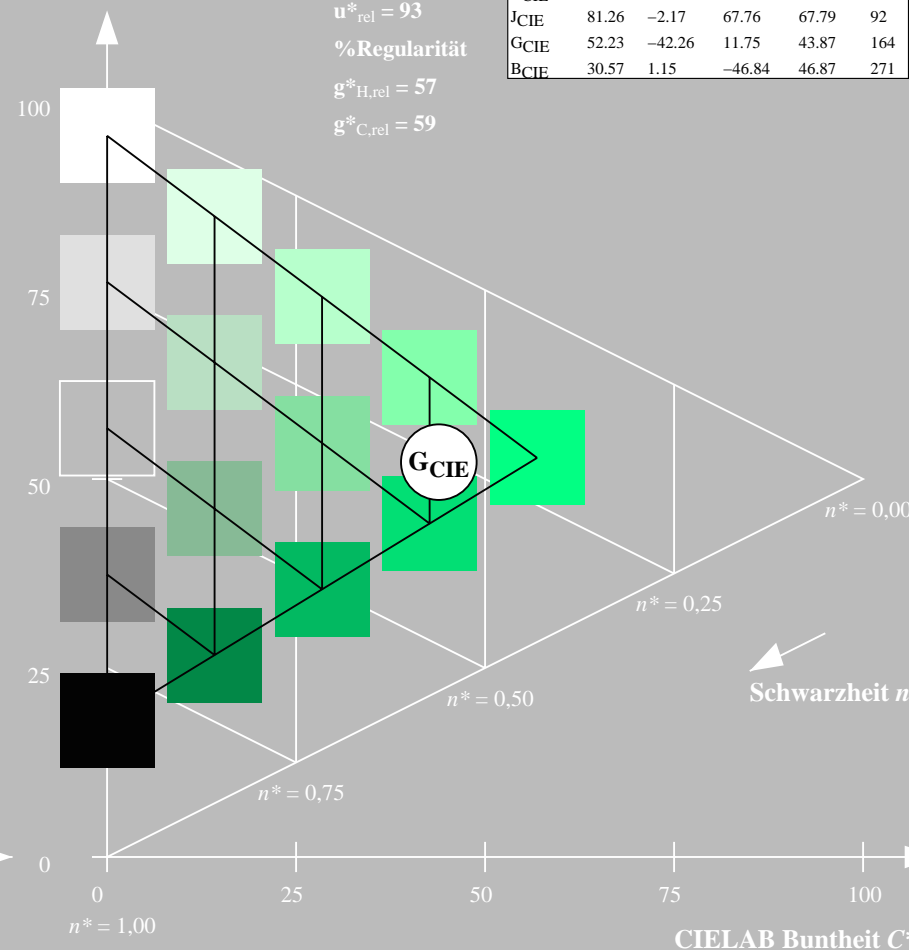
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



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

BAM-Prüfvorlage TG26; Farbmétrische Systeme MRS18a & ORS18

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttonen

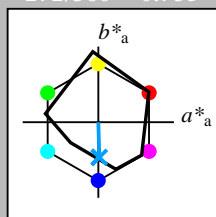
Input: $olv^*setrgbcolor$

Output: $olv^*setrgbcolor / w^*setgray$

Eingabe: Farbmimetrisches Reflexions-System MRS18a

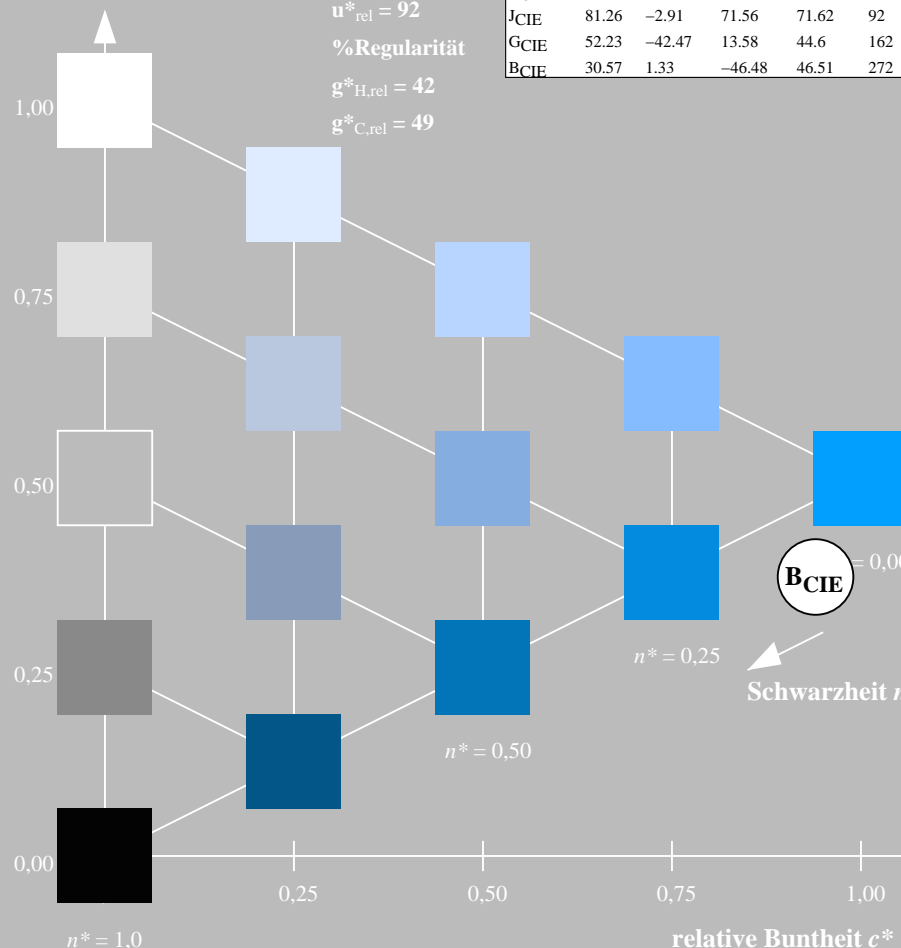
für Buntton $h^* = lab^*h = 272/360 = 0,755$
 lab^*tch und lab^*nch

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



| MRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.8 | 40.02 | 77.87 | 31 |
| JMa | 90.7 | -7.27 | 93.19 | 93.48 | 94 |
| GMa | 52.11 | -69.93 | 11.26 | 70.85 | 171 |
| G50BMa | 45.03 | -36.65 | -27.13 | 45.61 | 217 |
| BMa | 36.65 | 23.26 | -62.27 | 66.49 | 290 |
| B50RMa | 34.94 | 57.27 | -43.6 | 71.99 | 323 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.67 | 27.97 | 64.99 | 25 |
| JCIE | 81.26 | -2.91 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.47 | 13.58 | 44.6 | 162 |
| BCIE | 30.57 | 1.33 | -46.48 | 46.51 | 272 |

Dreiecks-Helligkeit t^*

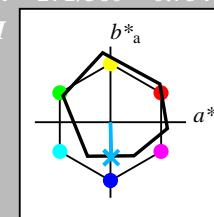


TG260-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

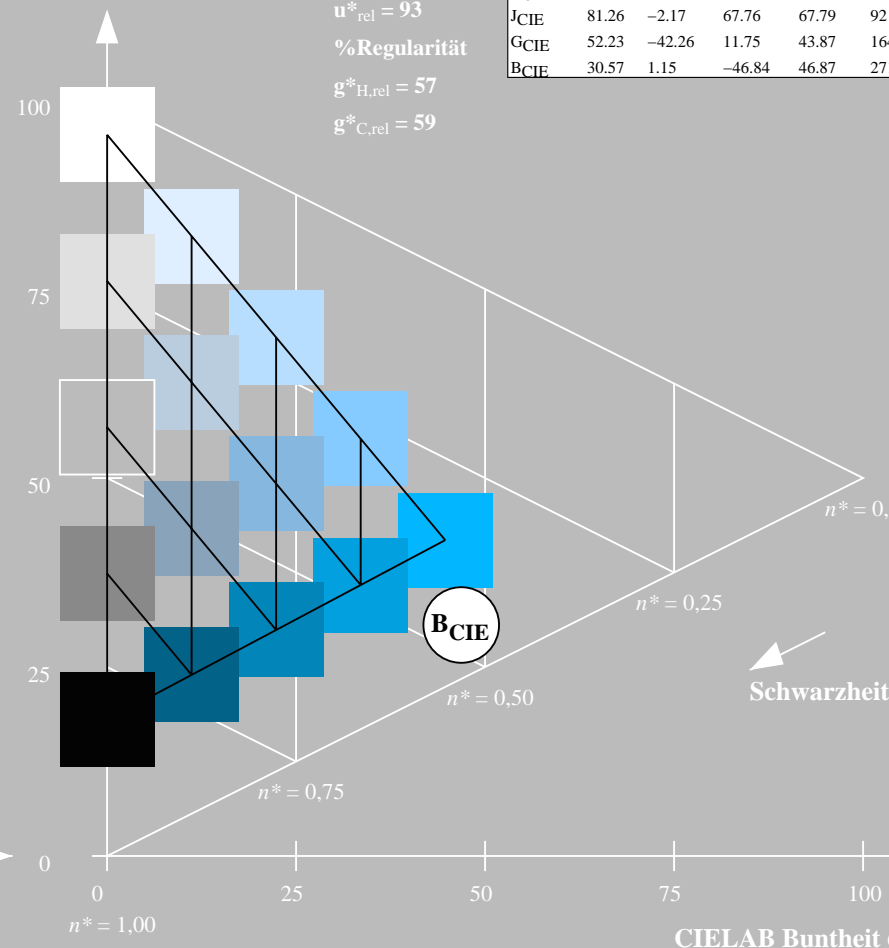
für Buntton $h^* = lab^*h = 271/360 = 0,754$
 LAB^*LCH , LAB^*NCH

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



| 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 |

CIELAB-Helligkeit L^*



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