

Eingabe: Farbmimetrisches Reflexions-System ORS18

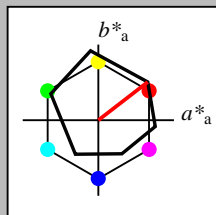
für Buntton $h^* = lab \cdot h = 38/360 = 0.105$

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

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 |

Dreiecks-Helligkeit t^*

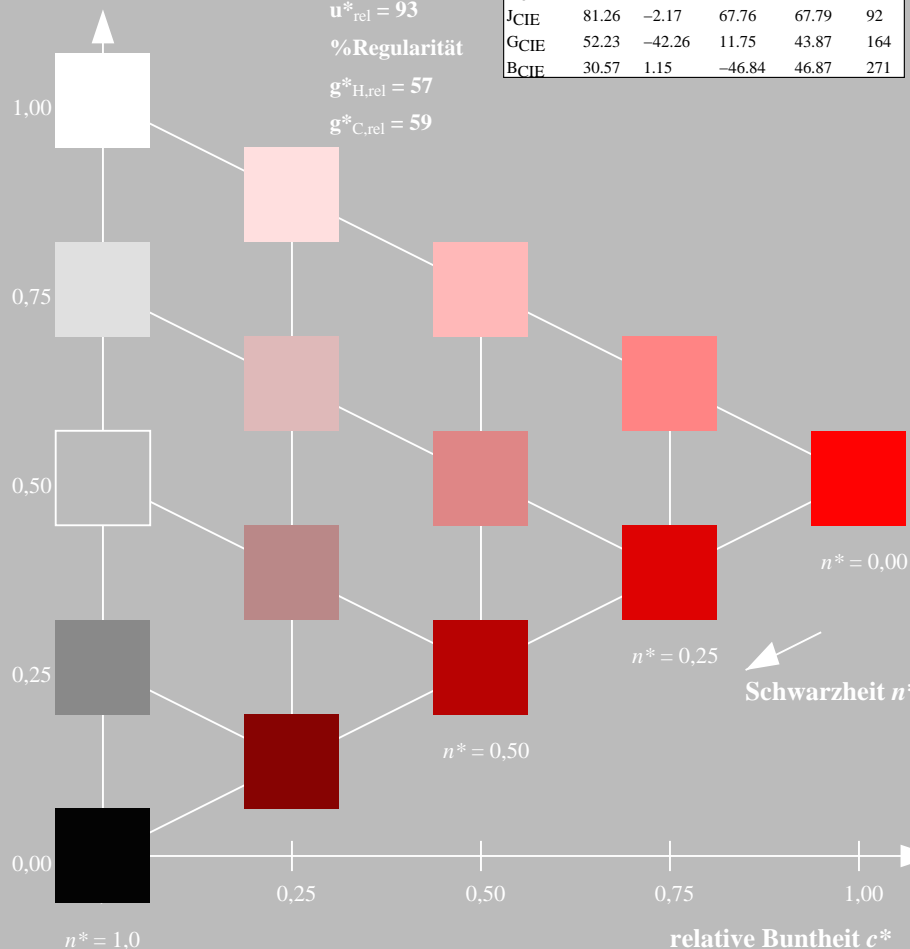
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

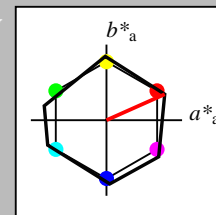
für Buntton $h^* = lab \cdot h = 24/360 = 0.067$

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

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0



NRS11; adaptierte CIELAB-Daten

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

CIELAB-Helligkeit L^*

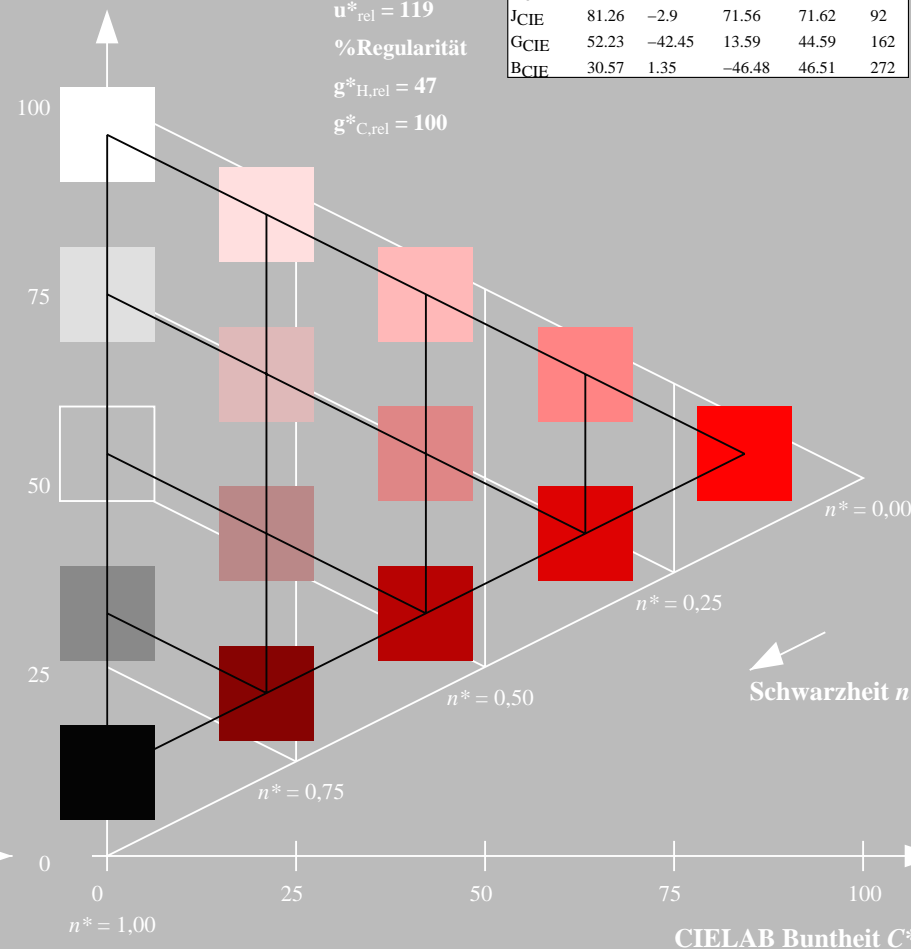
%Umfang

$u^*_{rel} = 119$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (rechts)

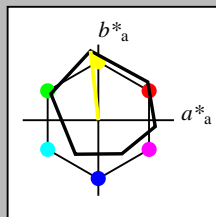
BAM-Prüfvorlage UG22; Farbmimetrische-Systeme ORS18 & NRS11input: *cmY0* setcmykcolor*

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

Eingabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab \cdot h = 96/360 = 0.268$
 $lab \cdot tch$ und $lab \cdot nch$

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 |

Dreiecks-Helligkeit t^*

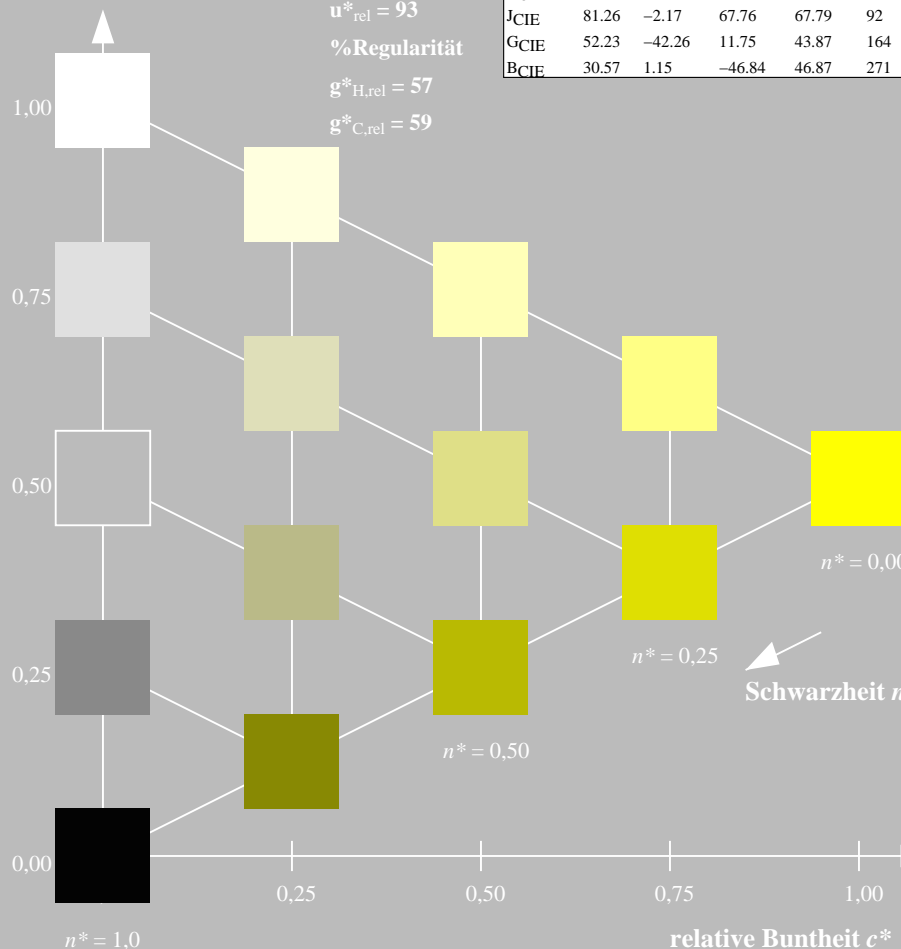
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

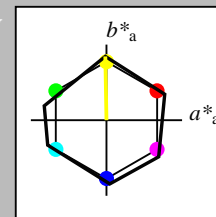


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (links)

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab \cdot h = 91/360 = 0.253$
 $LAB \cdot LCH$, $LAB \cdot NCH$

D65: Buntton J
LCH*Ma: 53 84 91
rgb*Ma: 1.0 1.0 0.0



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

CIELAB-Helligkeit L^*

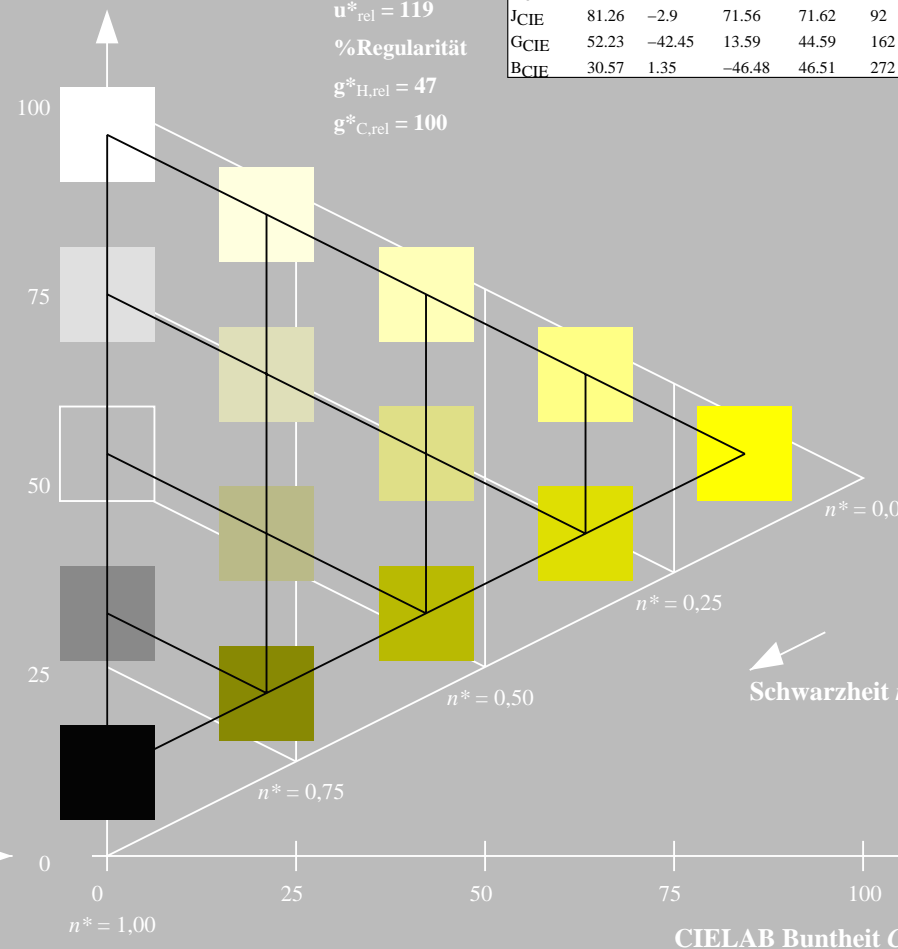
%Umfang

$u^*_{rel} = 119$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

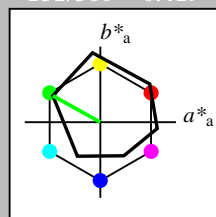
BAM-Prüfvorlage UG22; Farbmétrik-Systeme ORS18 & NRS11input: `cmY0* setcmykcolor`

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttoninput: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab \cdot h = 151/360 = 0.419$
 $lab \cdot tch$ und $lab \cdot nch$

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 |
| 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^*

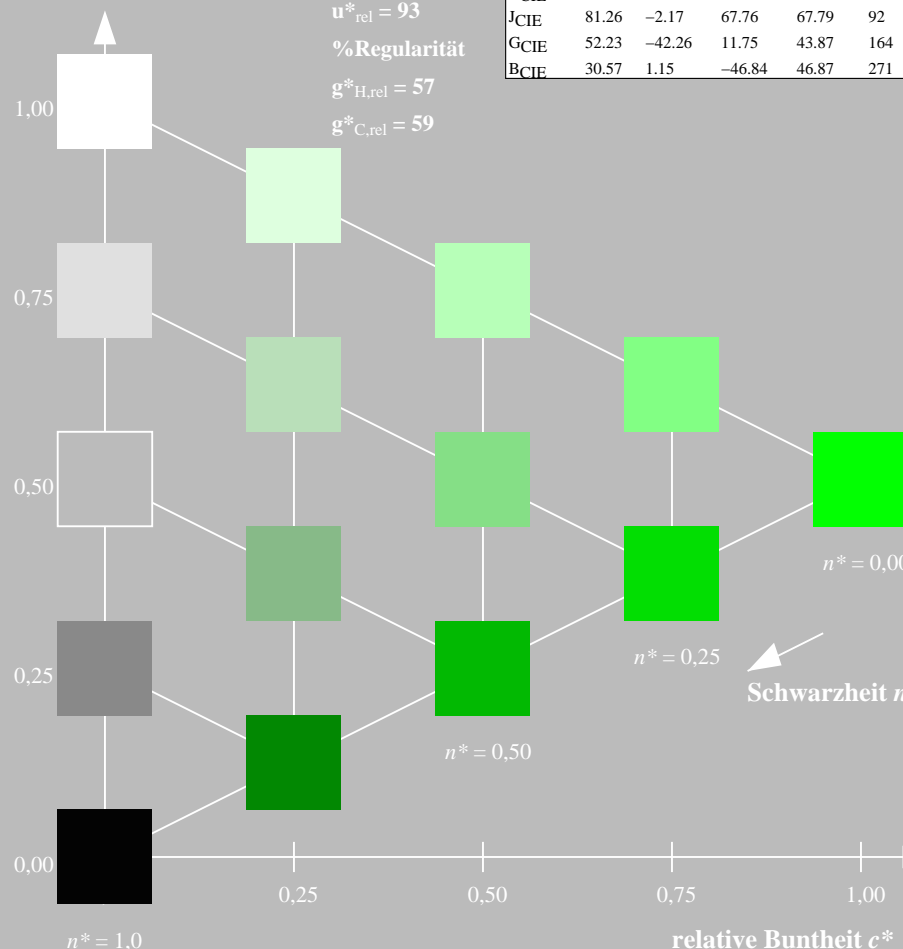
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

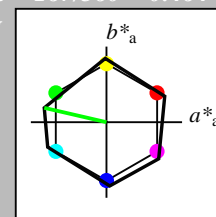


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab \cdot h = 167/360 = 0.464$
 $LAB \cdot LCH$, $LAB \cdot NCH$

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



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

CIELAB-Helligkeit L^*

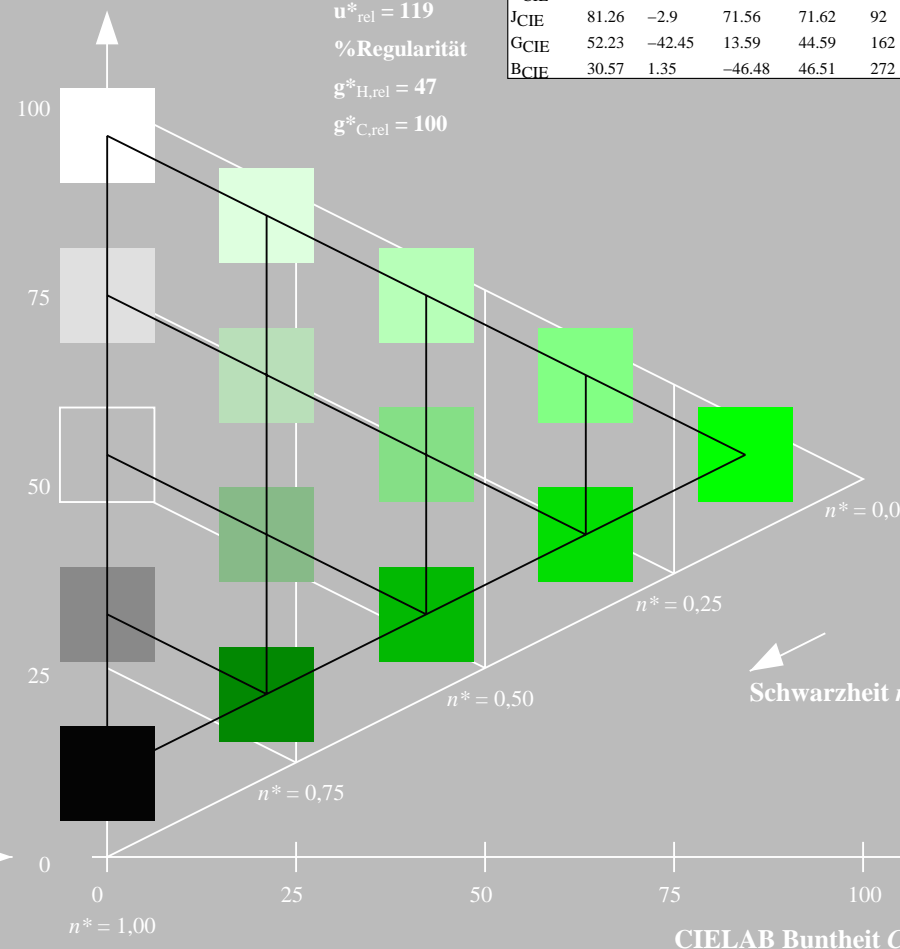
%Umfang

$u^*_{rel} = 119$

%Regularität

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

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



5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (rechts)

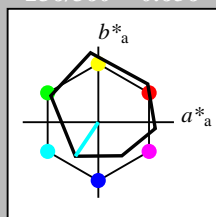
BAM-Prüfvorlage UG22; Farbmimetrische-Systeme ORS18 & NRS11input: *cmY0* setcmykcolor*

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

Eingabe: Farbmimetrisches Reflexions-System ORS18

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

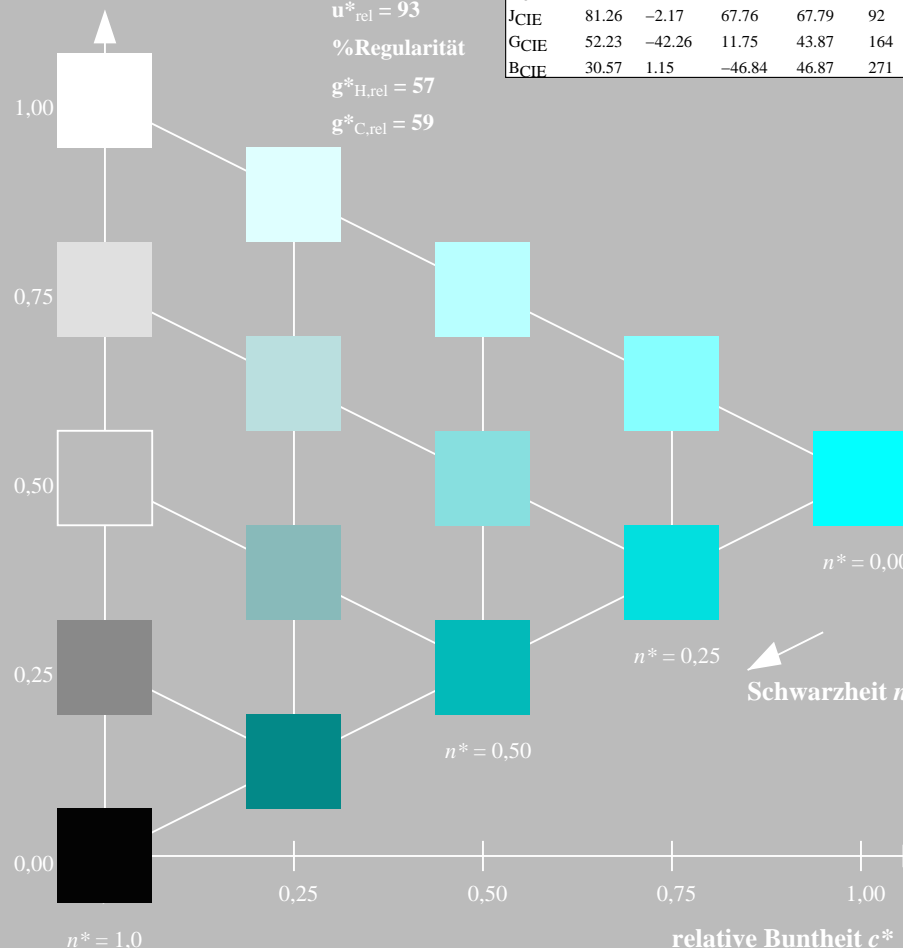
D65: Buntton C
LCH*Ma: 59 54 236
rgb*Ma: 0.0 1.0 1.0



| 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 |

Dreiecks-Helligkeit t^*

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

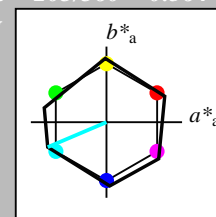


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$
 LAB^*LCH , LAB^*NCH

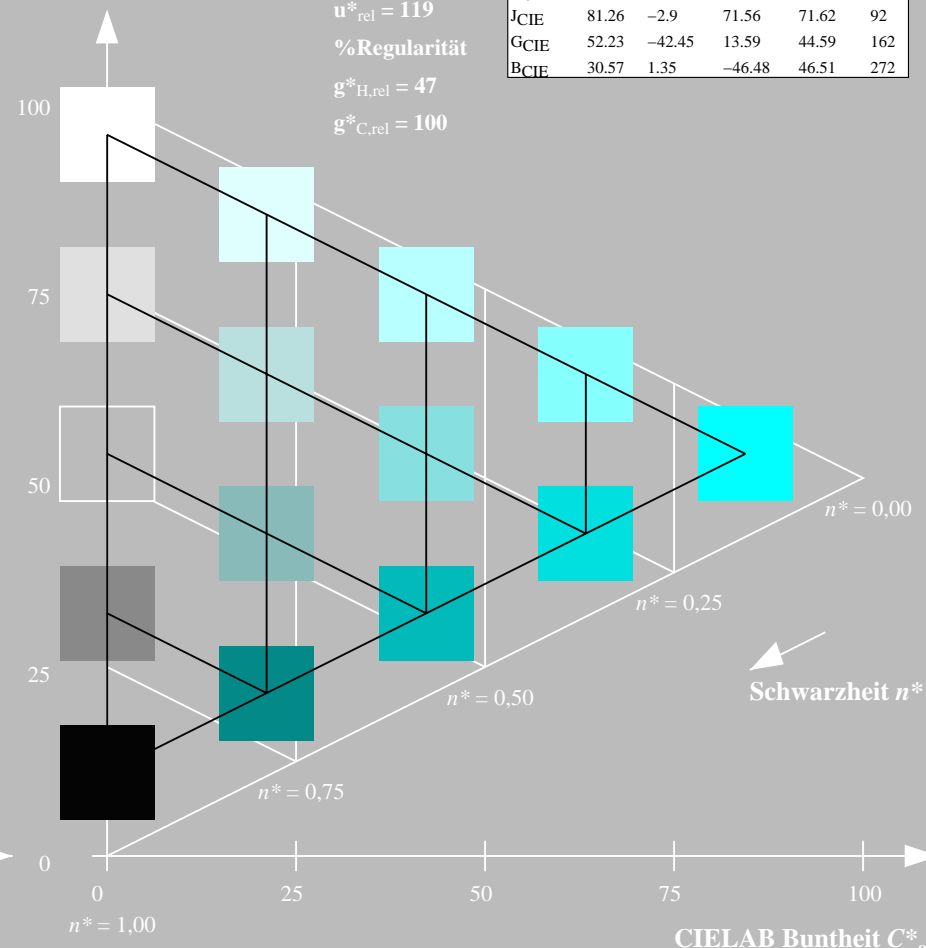
D65: Buntton G50B
LCH*Ma: 53 84 203
rgb*Ma: 0.0 1.0 1.0



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

CIELAB-Helligkeit L^*

%Umfang
 $u^*_{rel} = 119$
%Regularität
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$



5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

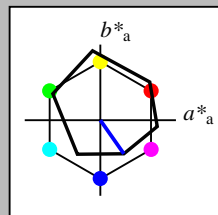
BAM-Prüfvorlage UG22; Farbmimetrische-Systeme ORS18 & NRS11input: *cmY0* setcmykcolor*

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

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0,847$
 lab^*tch und lab^*nch

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



| 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 |

Dreiecks-Helligkeit t^*

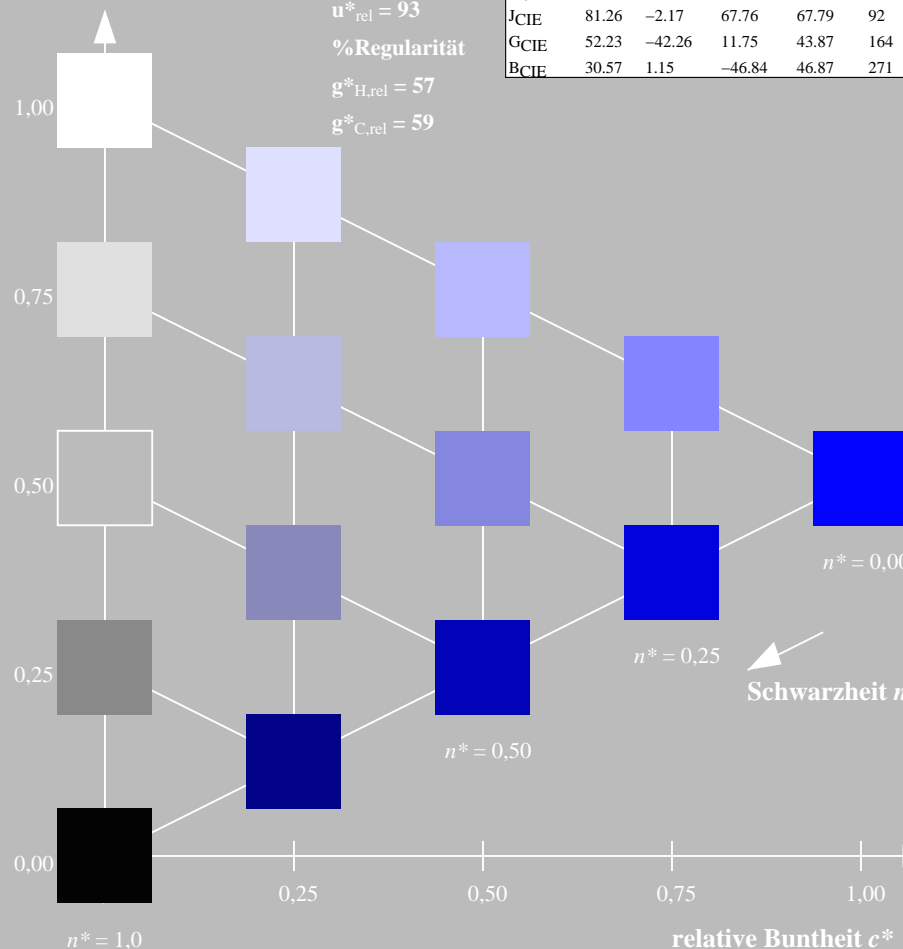
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

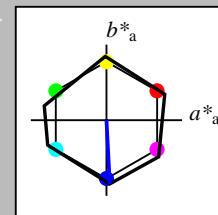


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0,758$
 LAB^*LCH , LAB^*NCH

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



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

CIELAB-Helligkeit L^*

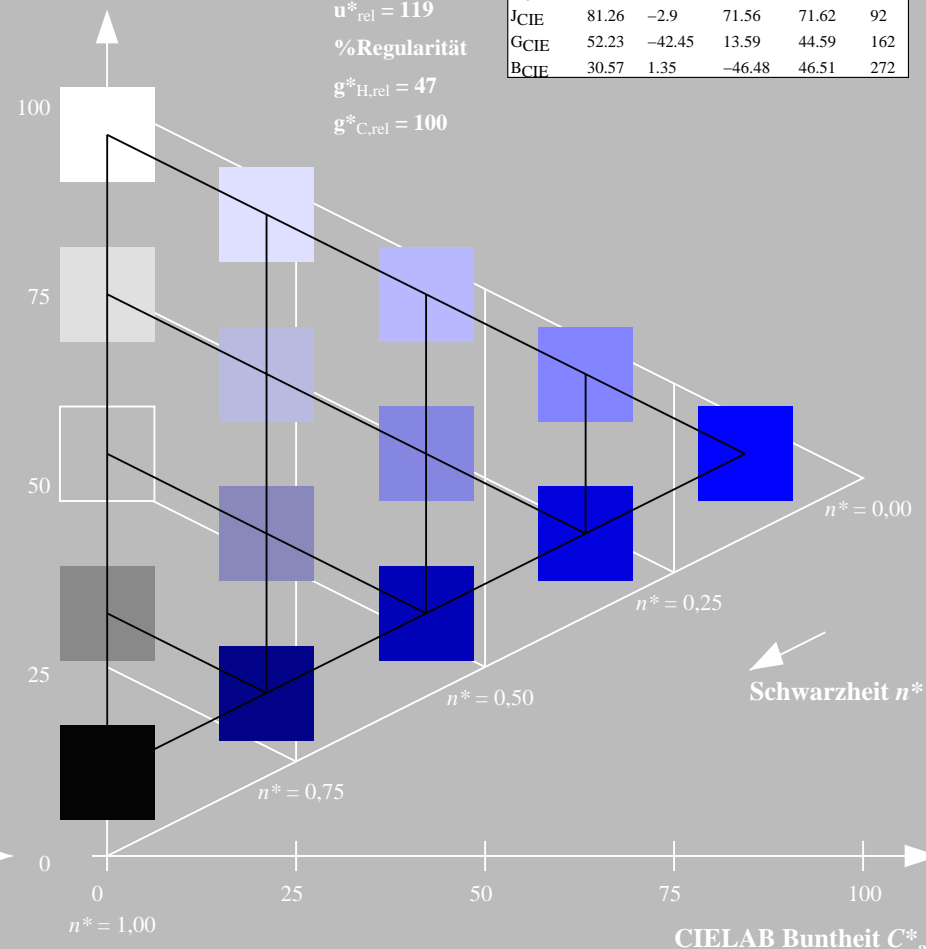
%Umfang

$u^*_{rel} = 119$

%Regularität

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

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



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

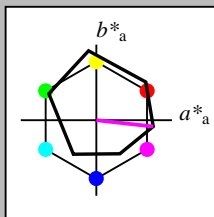
BAM-Prüfvorlage UG22; Farbmimetrische-Systeme ORS18 & NRS11input: `cmY0* setcmykcolor`

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttoninput: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmétrisches Reflexions-System ORS18

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

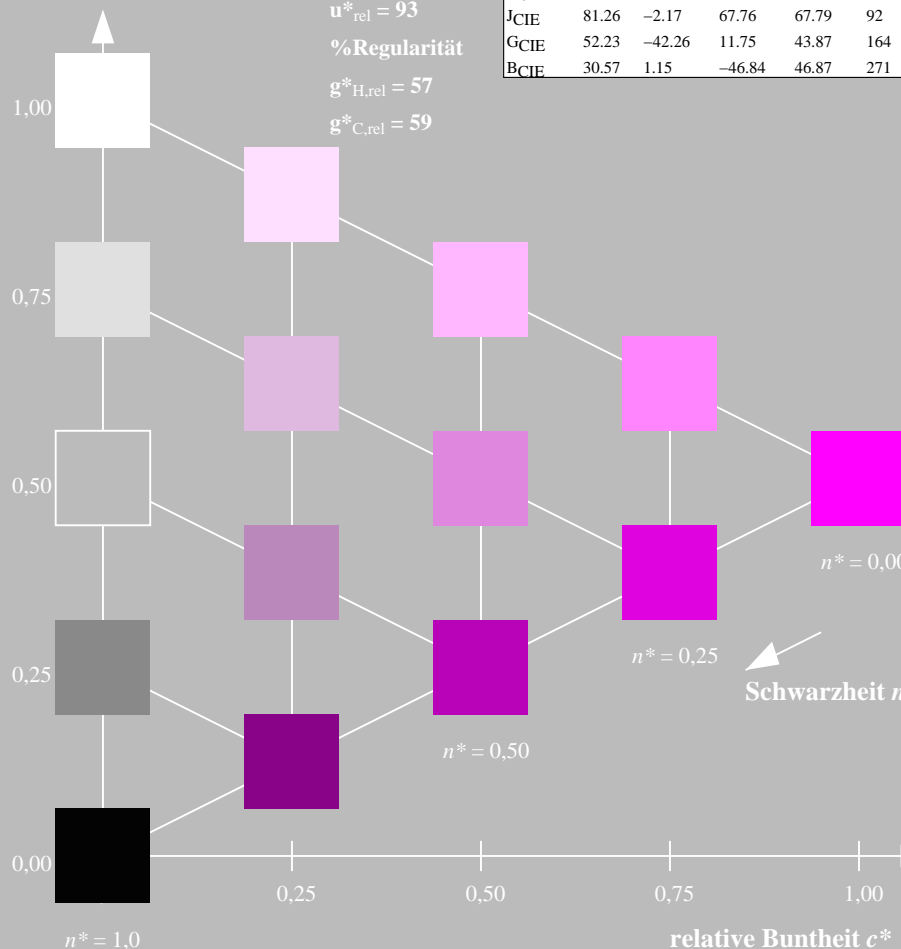
D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0



| 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 |

Dreiecks-Helligkeit t^*

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

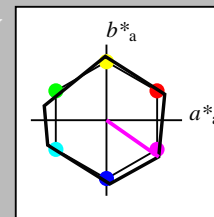


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$
 LAB^*LCH , LAB^*NCH

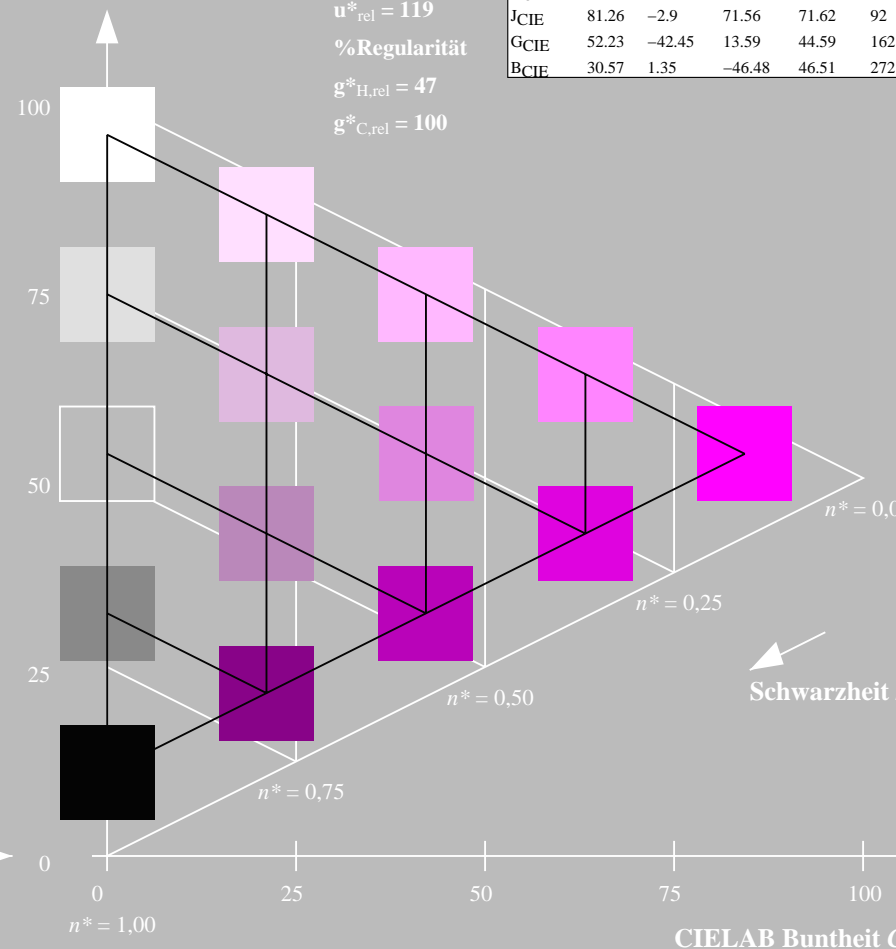
D65: Buntton B50R
LCH*Ma: 53 84 325
rgb*Ma: 1.0 0.0 1.0



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

CIELAB-Helligkeit L^*

%Umfang
 $u^*_{rel} = 119$
%Regularität
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$



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

BAM-Prüfvorlage UG22; Farbmétrik-Systeme ORS18 & NRS11input: *cmY0* setcmykcolor*

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

Eingabe: Farbmétrisches Reflexions-System ORS18

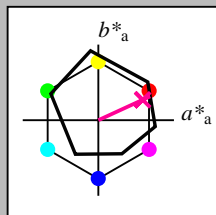
für Buntton $h^* = lab \cdot h = 25/360 = 0.069$

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

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 |

Dreiecks-Helligkeit t^*

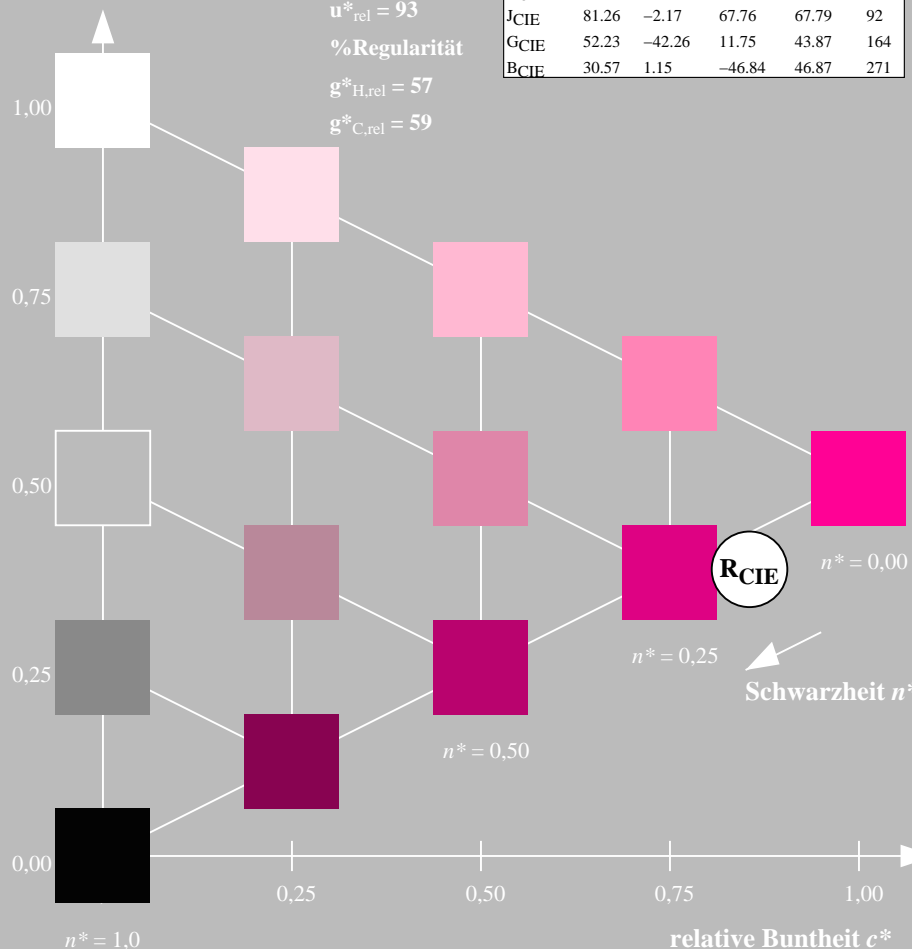
%Umfang

$u^*_{rel} = 93$

%Regularität

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

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



UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmétrisches Reflexions-System NRS11

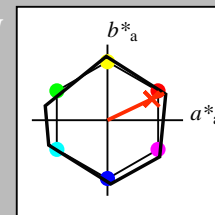
für Buntton $h^* = lab \cdot h = 25/360 = 0.071$

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

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0



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

CIELAB-Helligkeit L^*

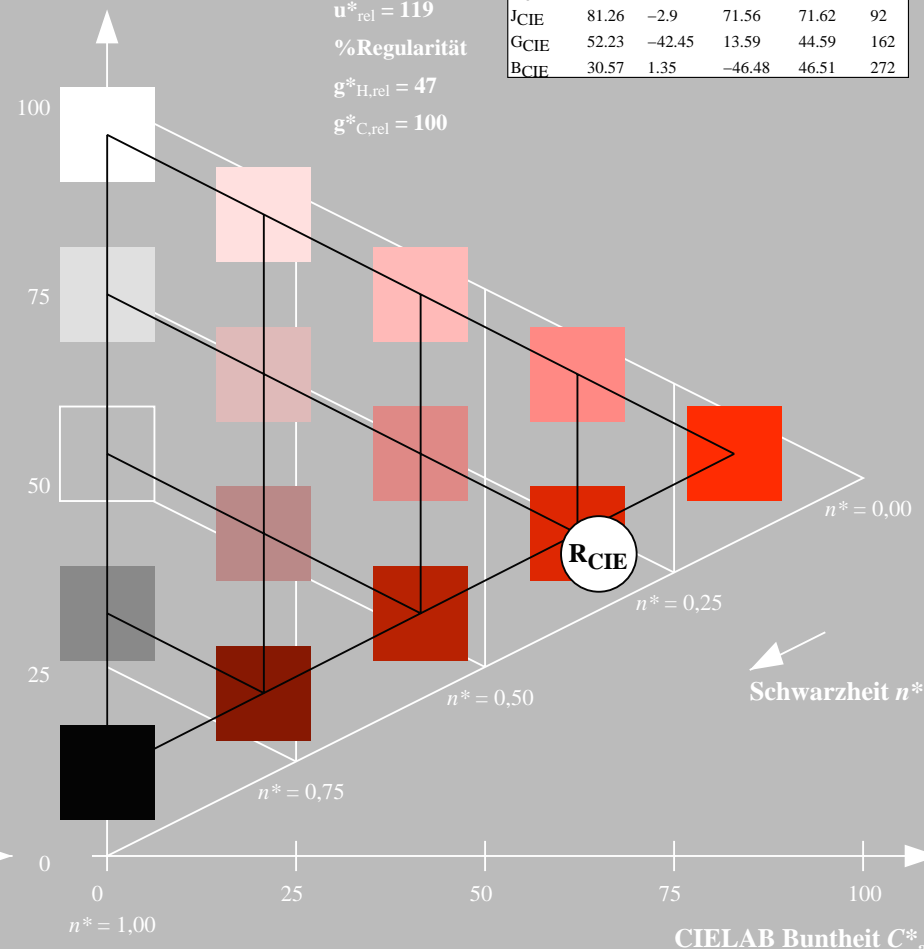
%Umfang

$u^*_{rel} = 119$

%Regularität

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

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



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

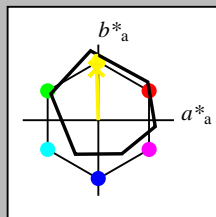
BAM-Prüfvorlage UG22; Farbmétrik-Systeme ORS18 & NRS11input: `cmY0* setcmykcolor`

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttoninput: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmimetrisches Reflexions-System ORS18

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

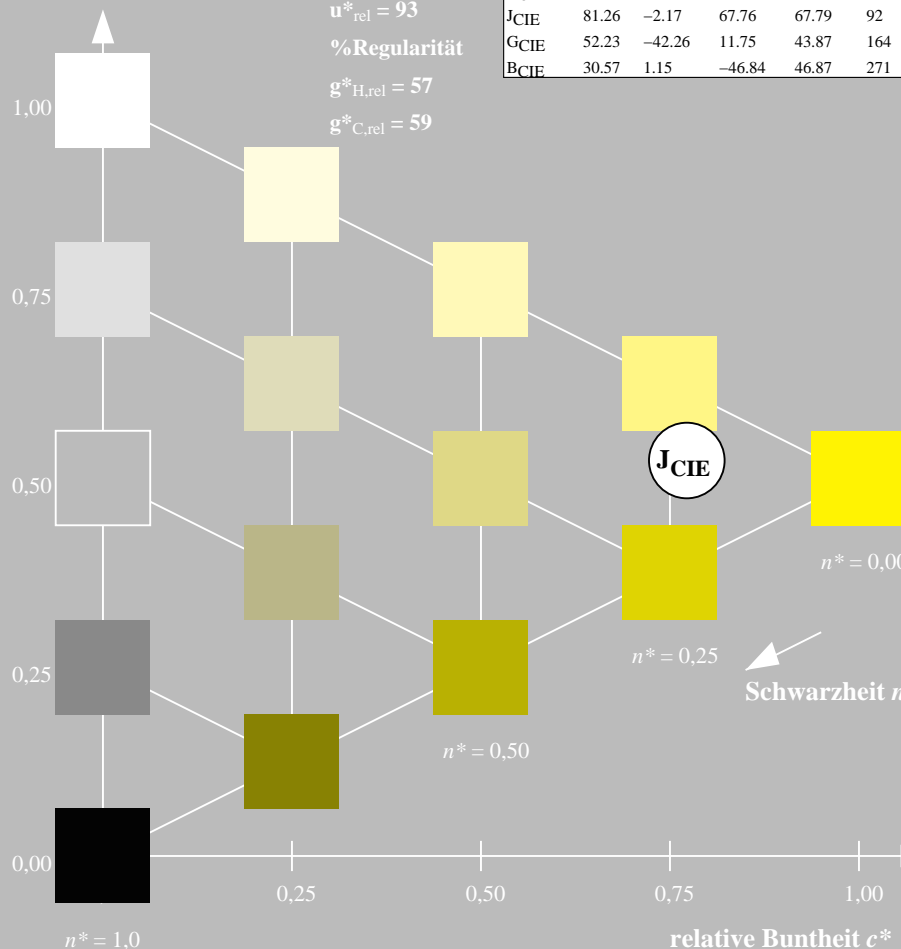
D65: Buntton J
LCH*Ma: 86 88 92
rgb*Ma: 1.0 0.9 0.0



| 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 |

Dreiecks-Helligkeit t^*

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

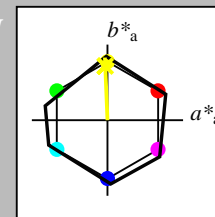


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 92/360 = 0.256$
 LAB^*LCH , LAB^*NCH

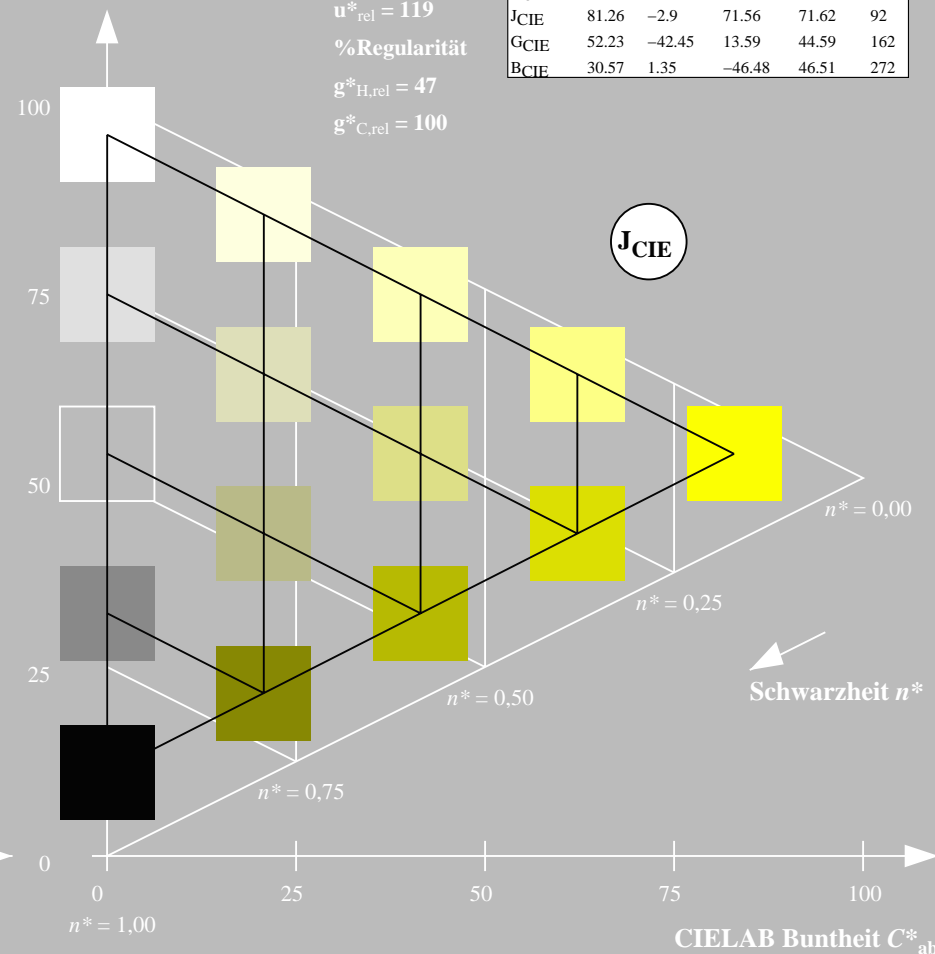
D65: Buntton J
LCH*Ma: 53 83 92
rgb*Ma: 0.98 1.0 0.0



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

CIELAB-Helligkeit L^*

%Umfang
 $u^*_{rel} = 119$
%Regularität
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$



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

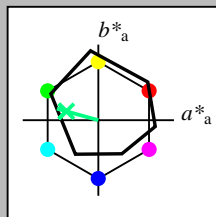
BAM-Prüfvorlage UG22; Farbmimetrische-Systeme ORS18 & NRS11input: $cmY0^* setcmykcolor$

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

Eingabe: Farbmimetrisches Reflexions-System ORS18

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

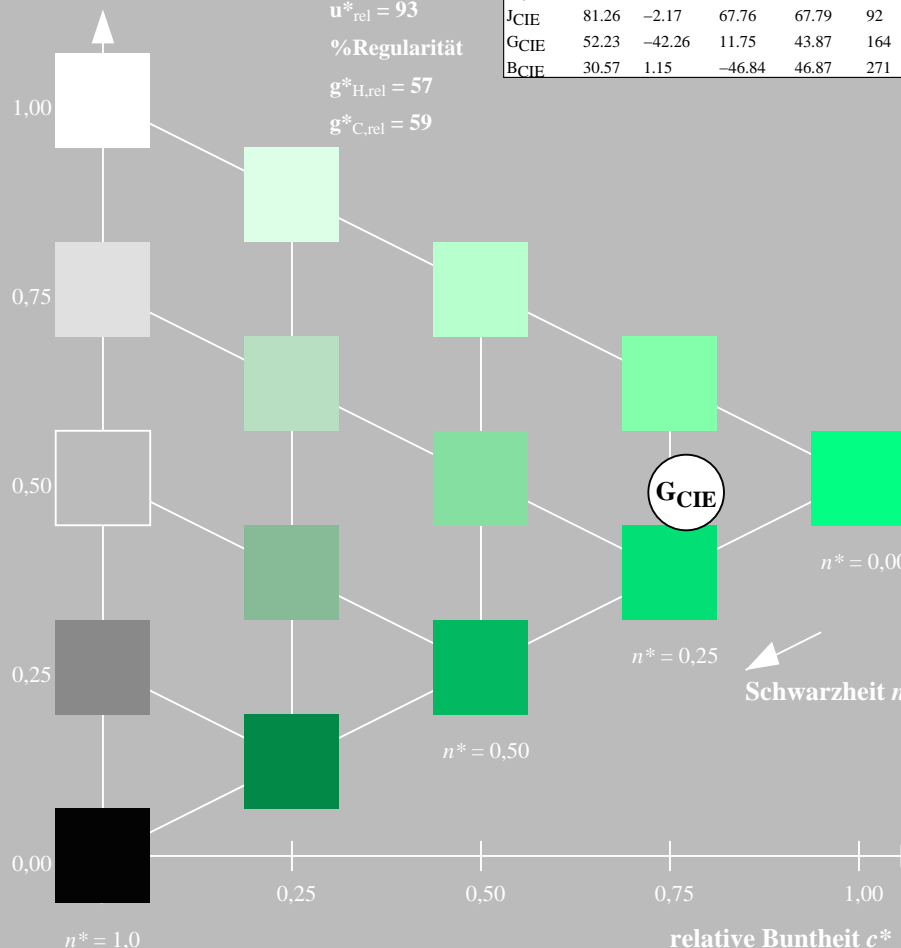
D65: Buntton G
LCH*Ma: 53 57 164
rgb*Ma: 0.0 1.0 0.25



| 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 |

Dreiecks-Helligkeit t^*

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

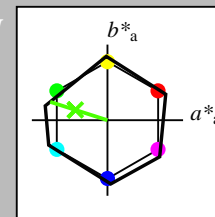


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$
 LAB^*LCH , LAB^*NCH

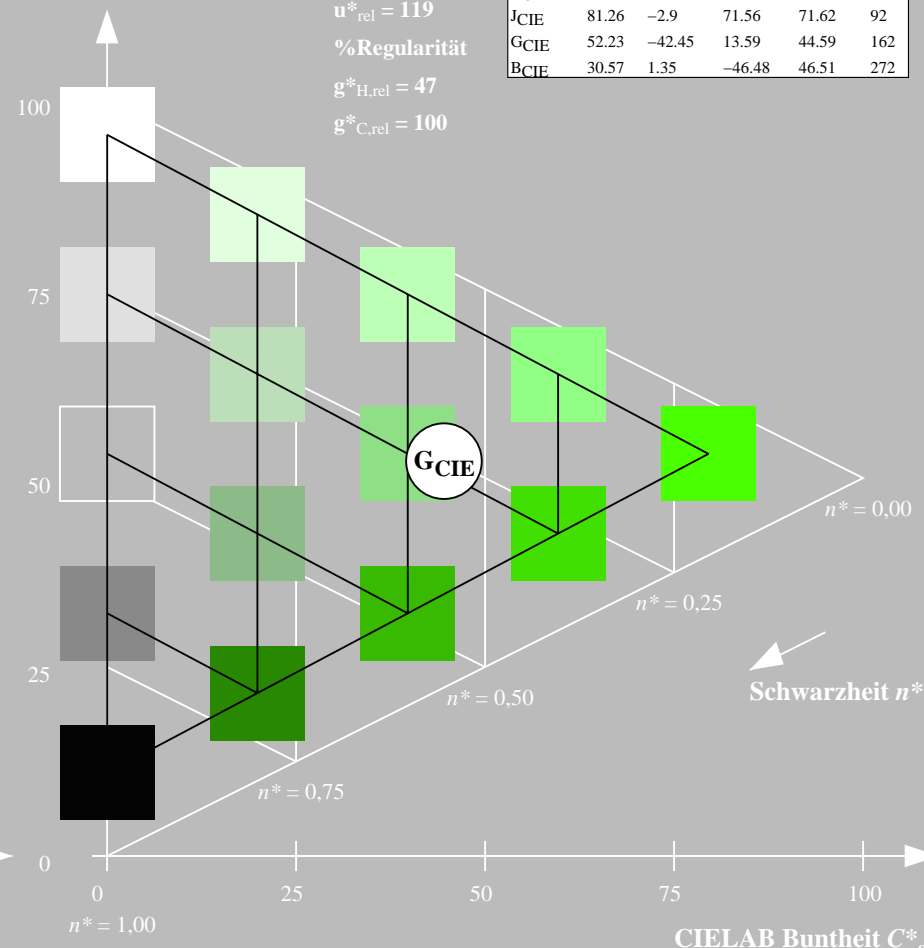
D65: Buntton G
LCH*Ma: 53 80 162
rgb*Ma: 0.08 1.0 0.0



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

CIELAB-Helligkeit L^*

%Umfang
 $u^*_{rel} = 119$
%Regularität
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$



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

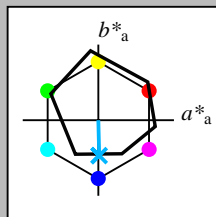
BAM-Prüfvorlage UG22; Farbmimetrik-Systeme ORS18 & NRS11input: `cmY0* setcmYcolor`

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttoninput: `olv* setrgbcolor / w* setgray`

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab \cdot h = 271/360 = 0,754$
 $lab \cdot tch$ und $lab \cdot nch$

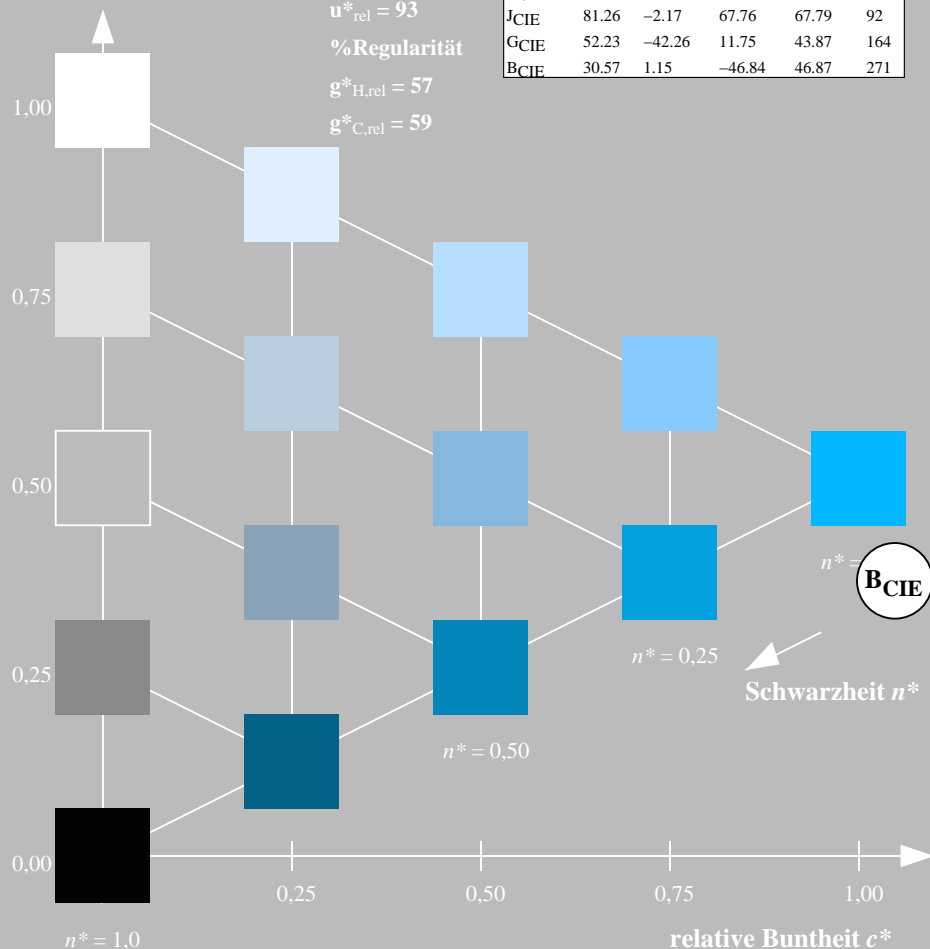
D65: Buntton B
LCH*Ma: 42 45 271
rgb*Ma: 0.0 0.49 1.0



| 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 |

Dreiecks-Helligkeit t^*

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

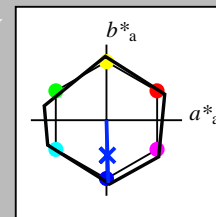


UG220-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab \cdot h = 272/360 = 0,755$
 $LAB \cdot LCH$, $LAB \cdot NCH$

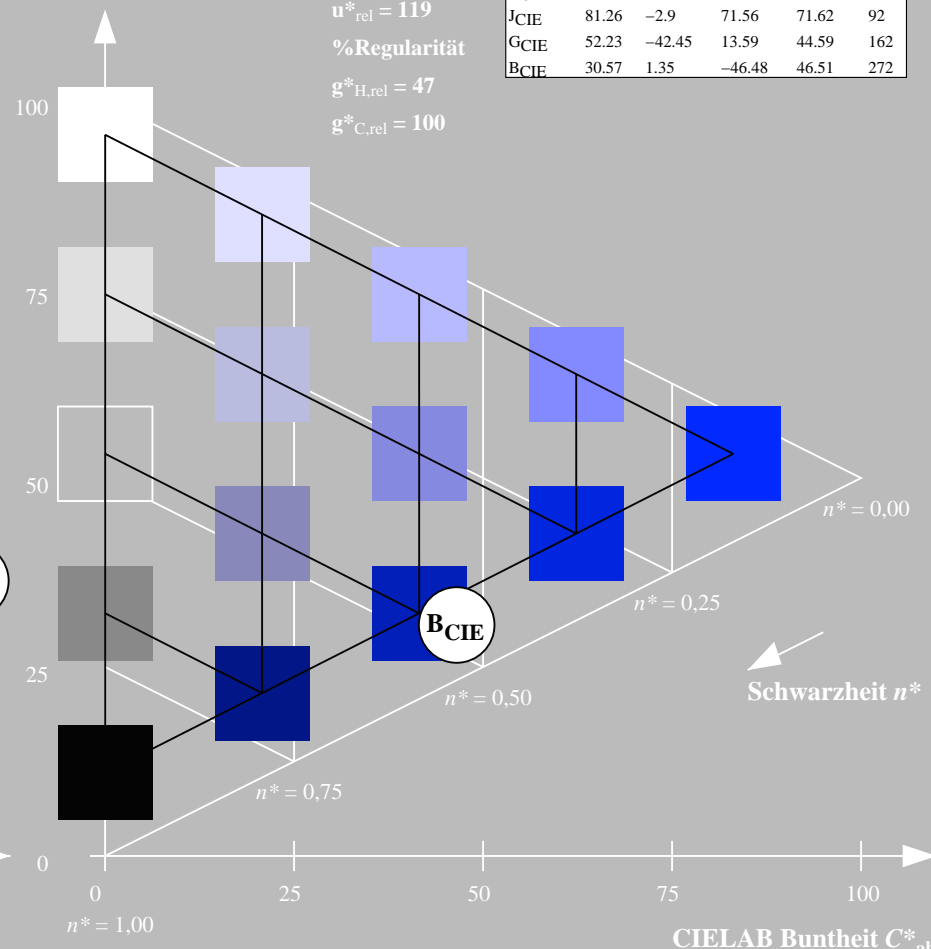
D65: Buntton B
LCH*Ma: 53 83 272
rgb*Ma: 0.0 0.02 1.0



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

CIELAB-Helligkeit L^*

%Umfang
 $u^*_{rel} = 119$
%Regularität
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$



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

BAM-Prüfvorlage UG22; Farbmimetrische-Systeme ORS18 & NRS11input: `cmly0* setcmlycolor`

D65: Koordinaten-Systeme von 5stufigen Farbreihen für 10 Bunttoninput: `olv* setrgbcolor / w* setgray`