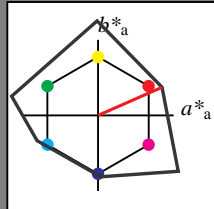


Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 24/360 = 0.066$
 lab^*ich und lab^*nch

D65: Buntton R
LCH*Ma: 47 92 24
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

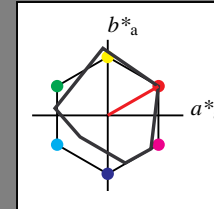
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

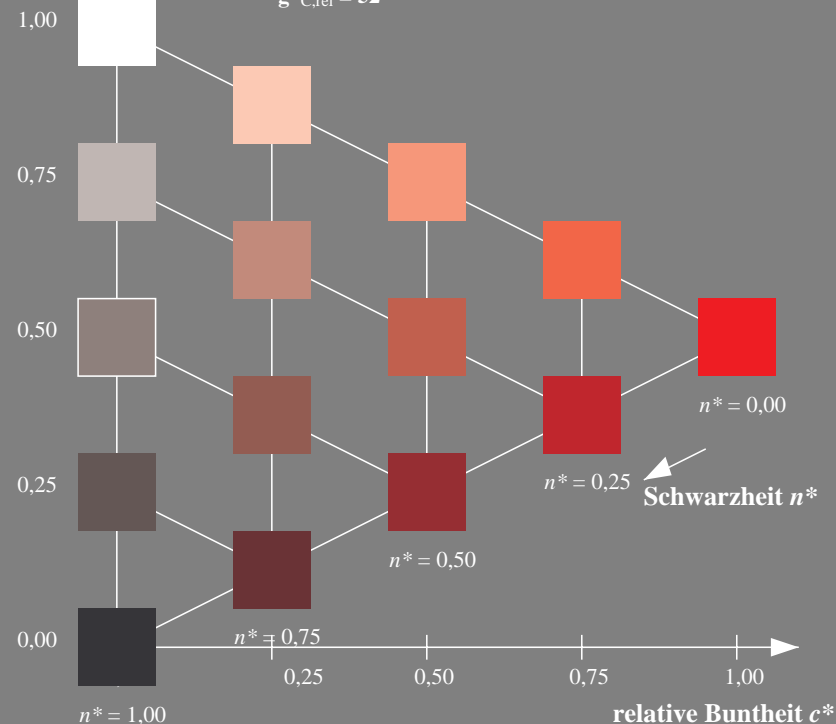
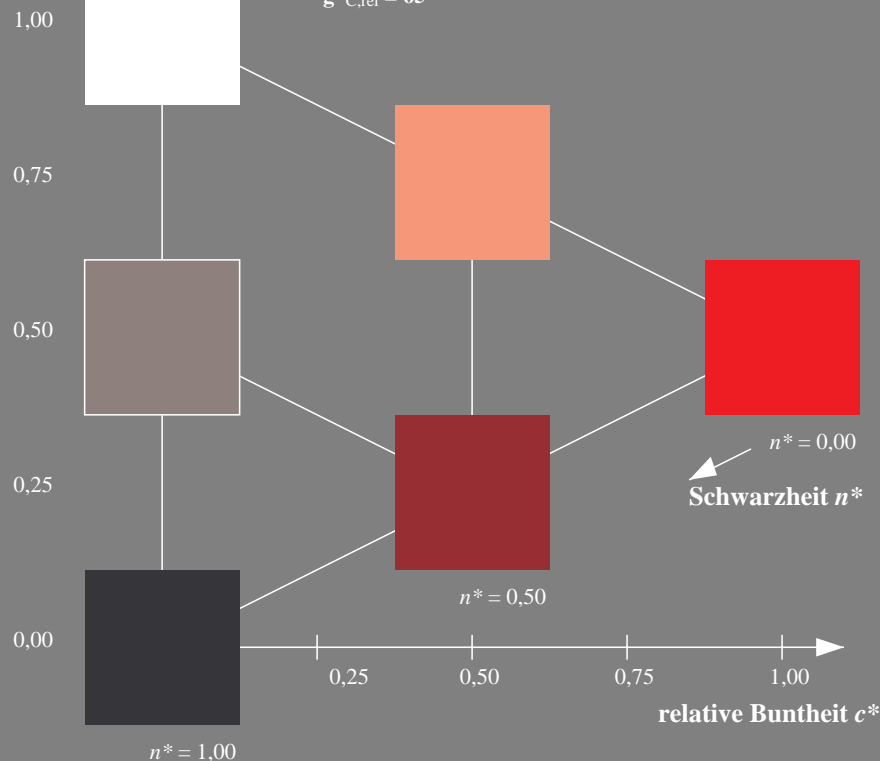
D65: Buntton R
LCH*Ma: 50 77 30
rgb*Ma: 1.0 0.0 0.0

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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

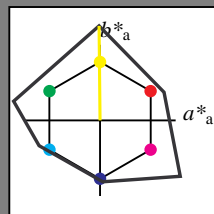
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 91/360 = 0.252$
 lab^*ich und lab^*nch

D65: Buntton J
LCH*Ma: 91 125 91
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

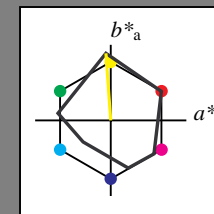
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

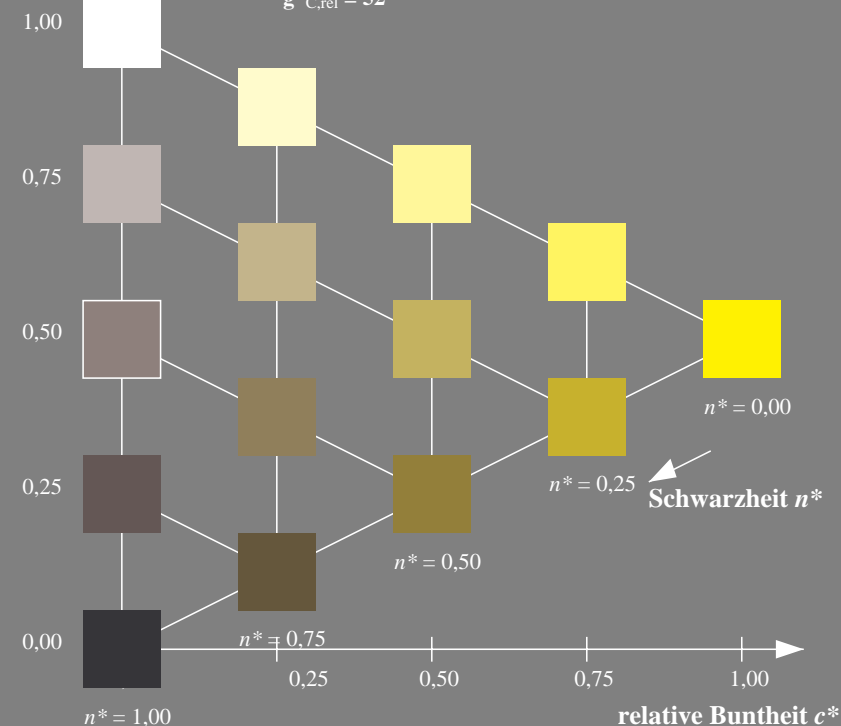
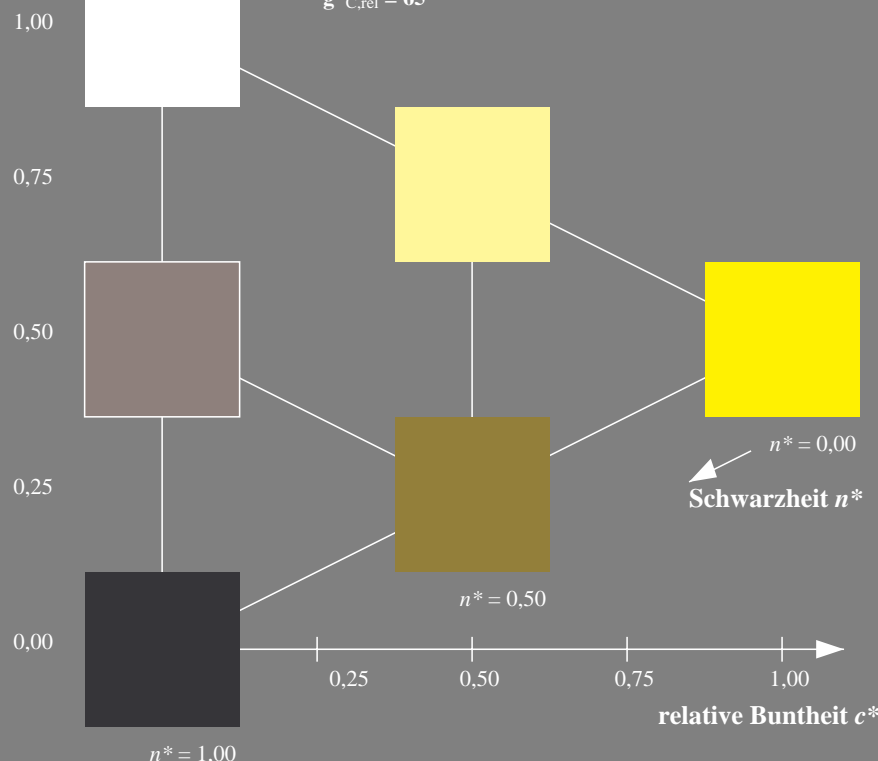
D65: Buntton J
LCH*Ma: 91 89 94
rgb*Ma: 1.0 1.0 0.0

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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

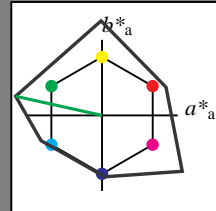
input: `cmY0* setcmykcolor`
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$
 lab^*ich und lab^*nch

D65: Buntton G
LCH*Ma: 63 117 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

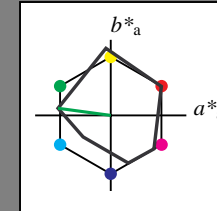
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

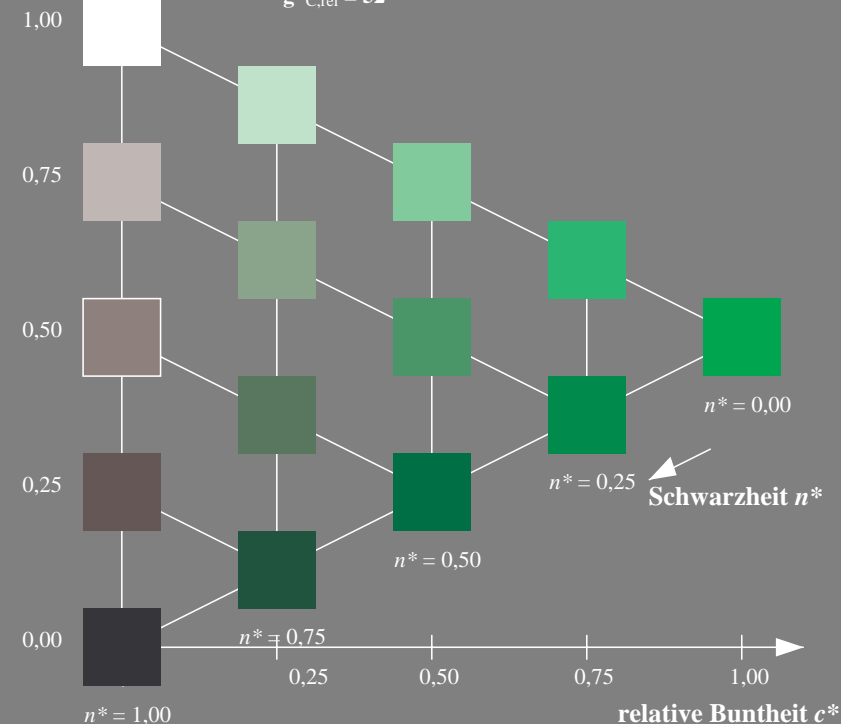
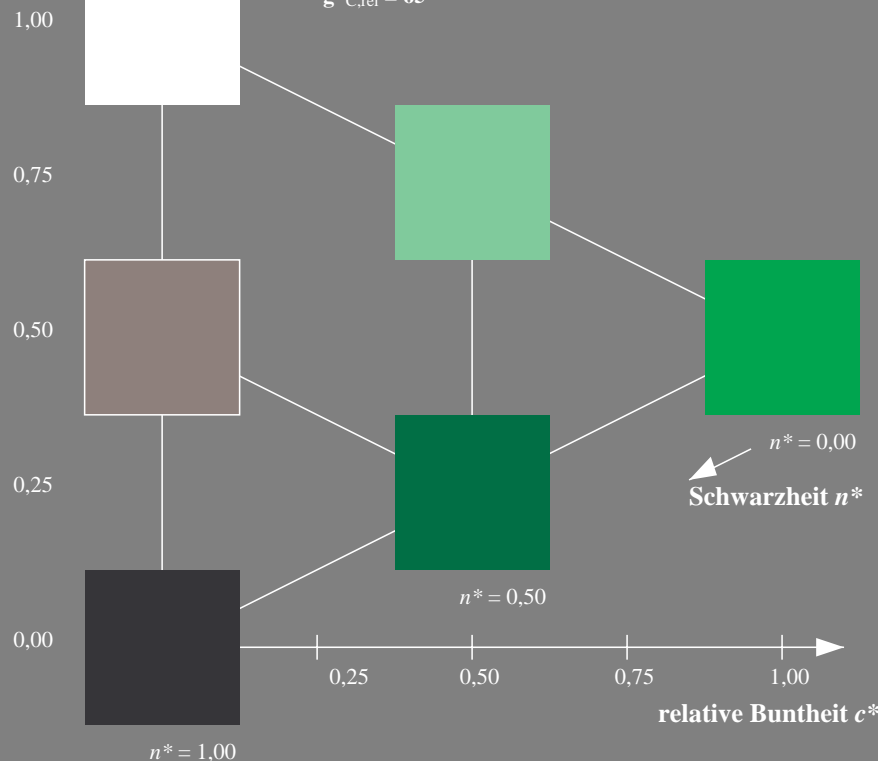
D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

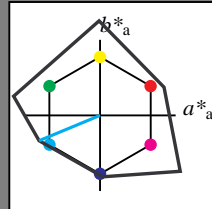
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$
 lab^*ich und lab^*nch

D65: Buntton G50B
LCH*Ma: 59 87 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

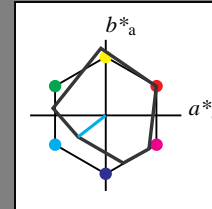
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

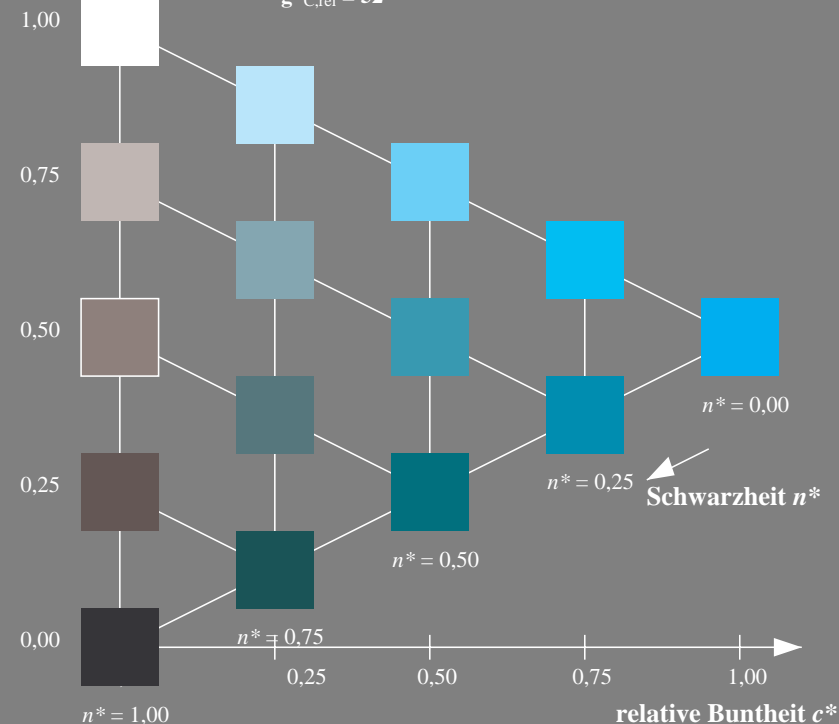
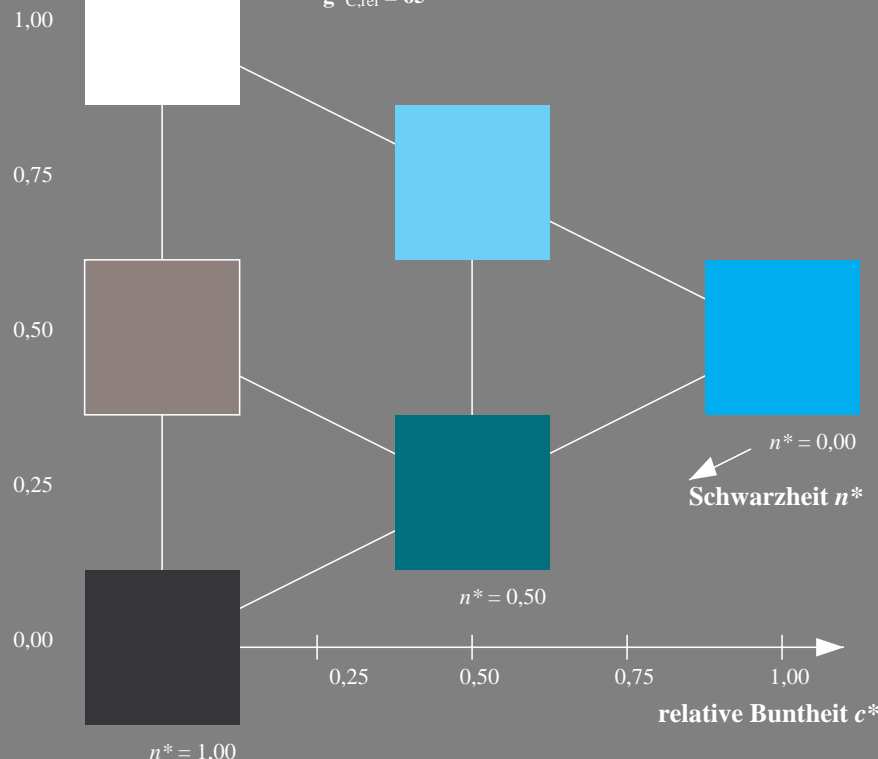
D65: Buntton G50B
LCH*Ma: 45 46 218
rgb*Ma: 0.0 1.0 1.0

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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

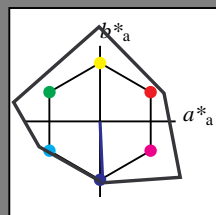
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$
 lab^*ich und lab^*nch

D65: Buntton B
LCH*Ma: 49 81 273
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

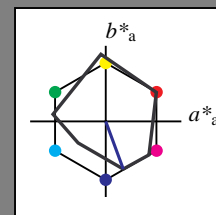
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

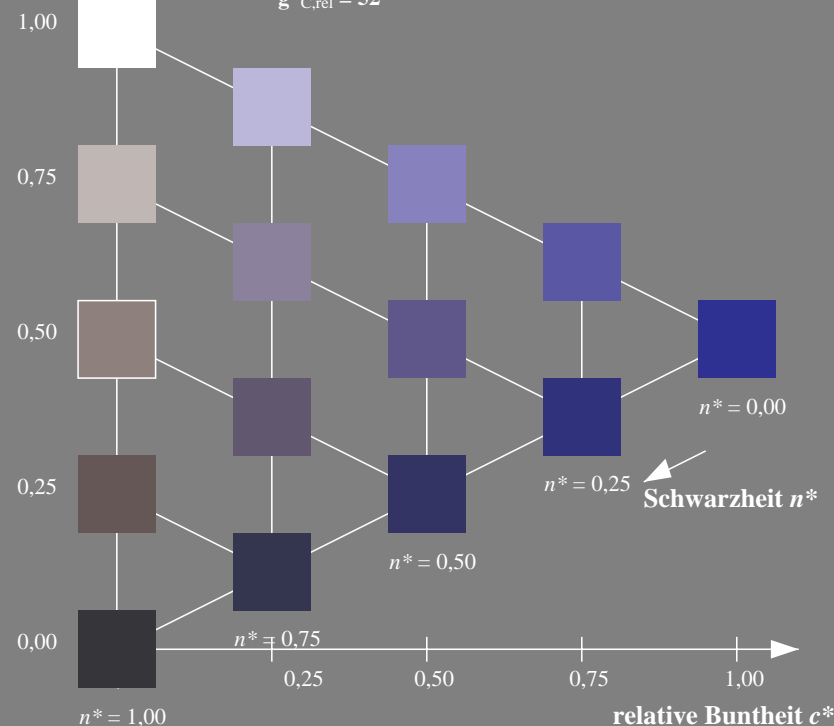
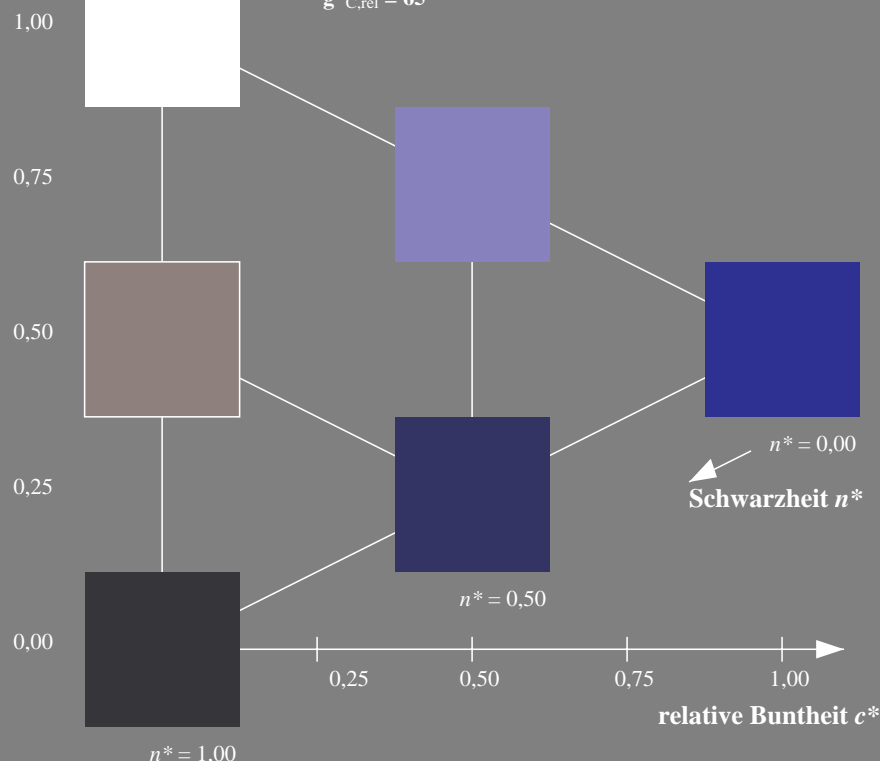
D65: Buntton B
LCH*Ma: 37 67 290
rgb*Ma: 0.0 0.0 1.0

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 |
| 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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

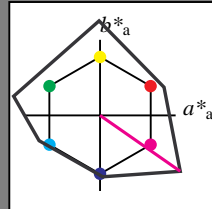
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton B50R
LCH*Ma: 44 129 325
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

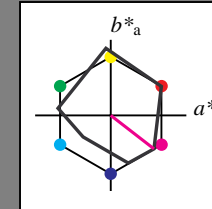
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

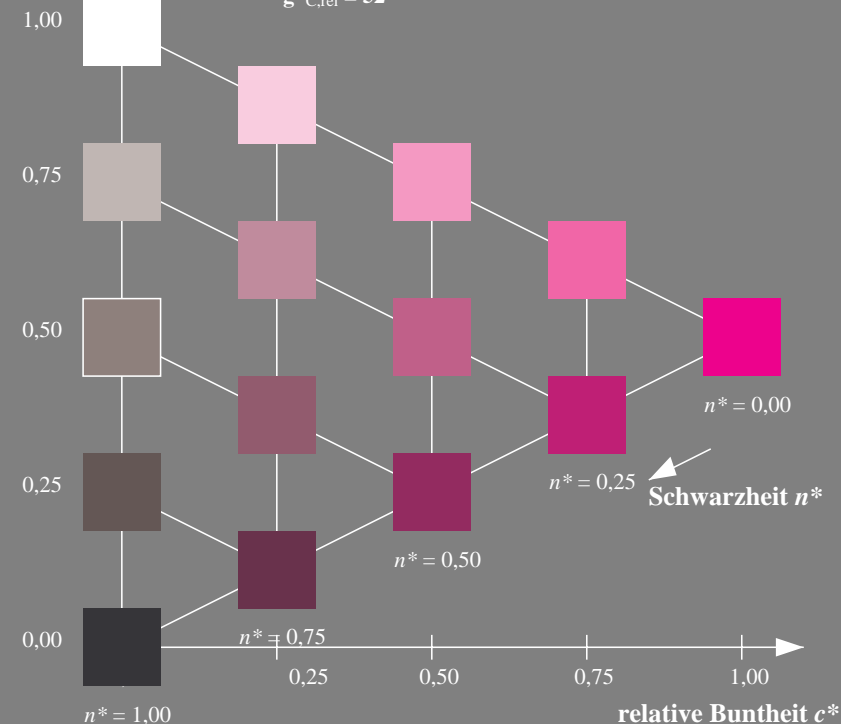
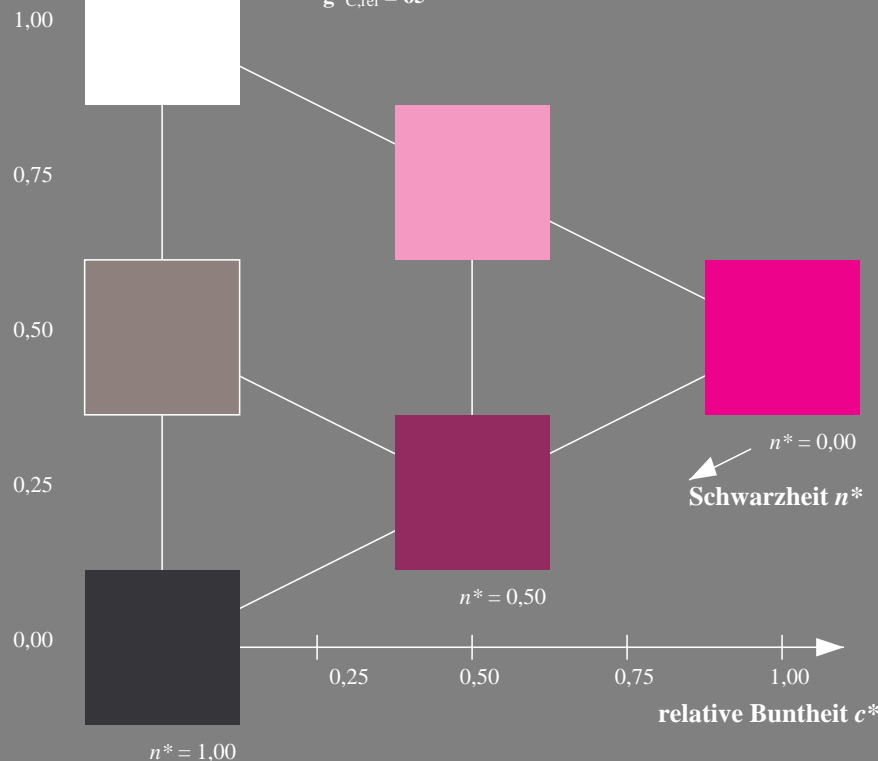
D65: Buntton B50R
LCH*Ma: 35 72 322
rgb*Ma: 1.0 0.0 1.0

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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

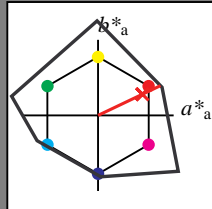
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton R
LCH*Ma: 48 91 25
rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

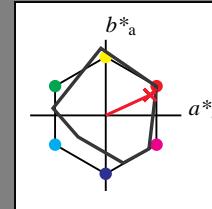
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

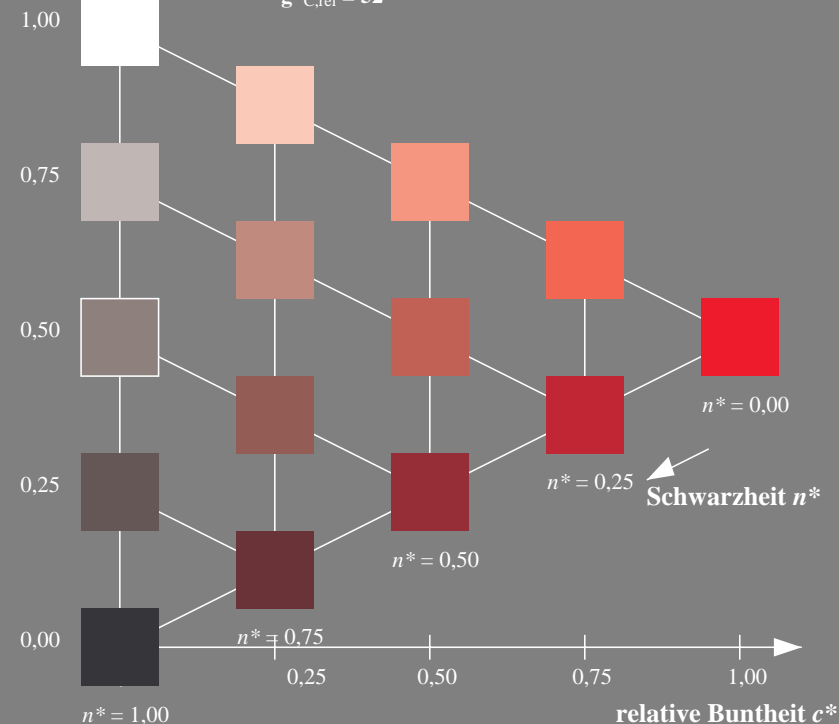
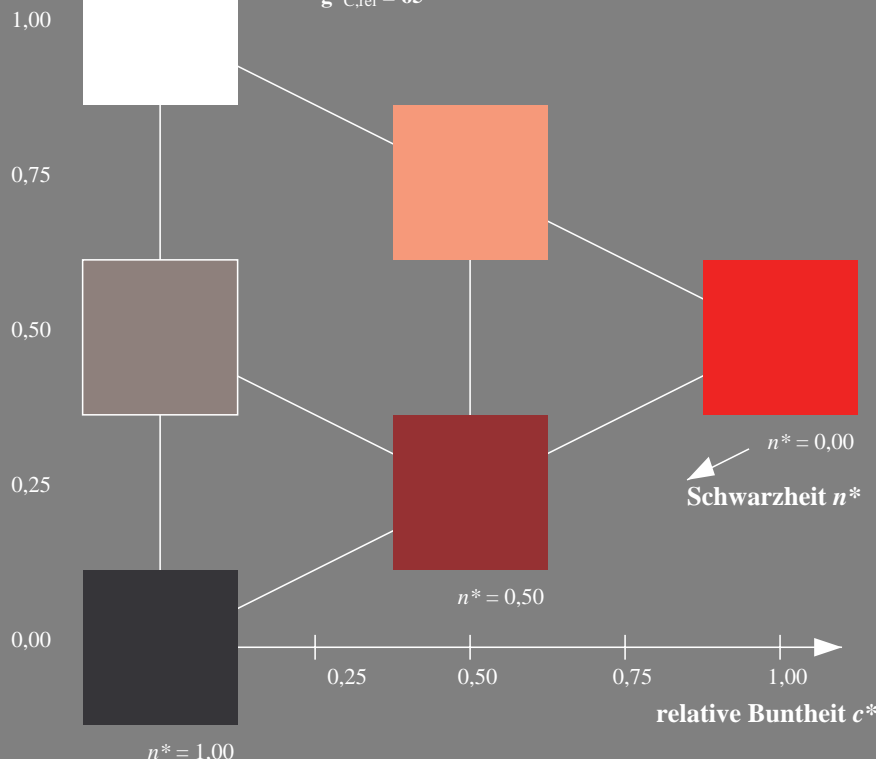
D65: Buntton R
LCH*Ma: 48 73 25
rgb*Ma: 1.0 0.0 0.1

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 |
| 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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

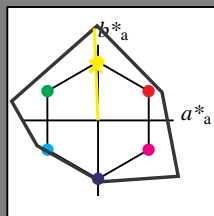
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton J
LCH*Ma: 90 122 92
rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

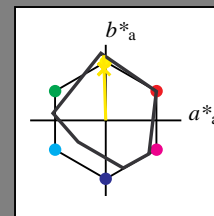
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches 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

$n^* = 1,00$

$n^* = 0,50$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: $cmY0^*$ setcmykcolor

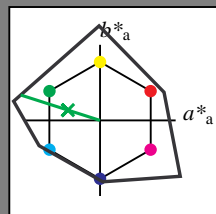
output: no change compared to input

Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton G
LCH*Ma: 65 110 162
rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

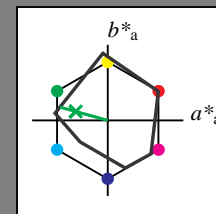
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

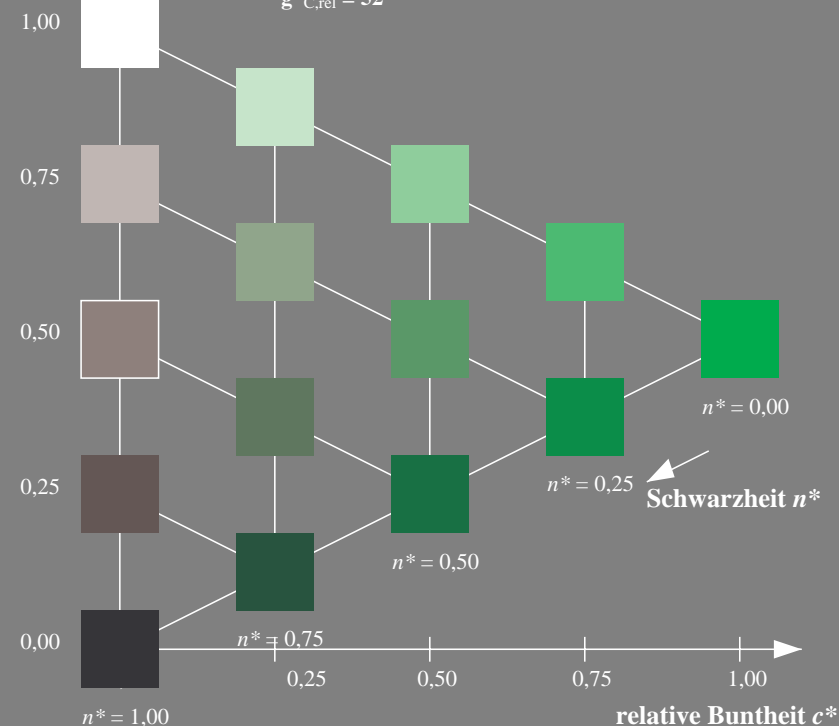
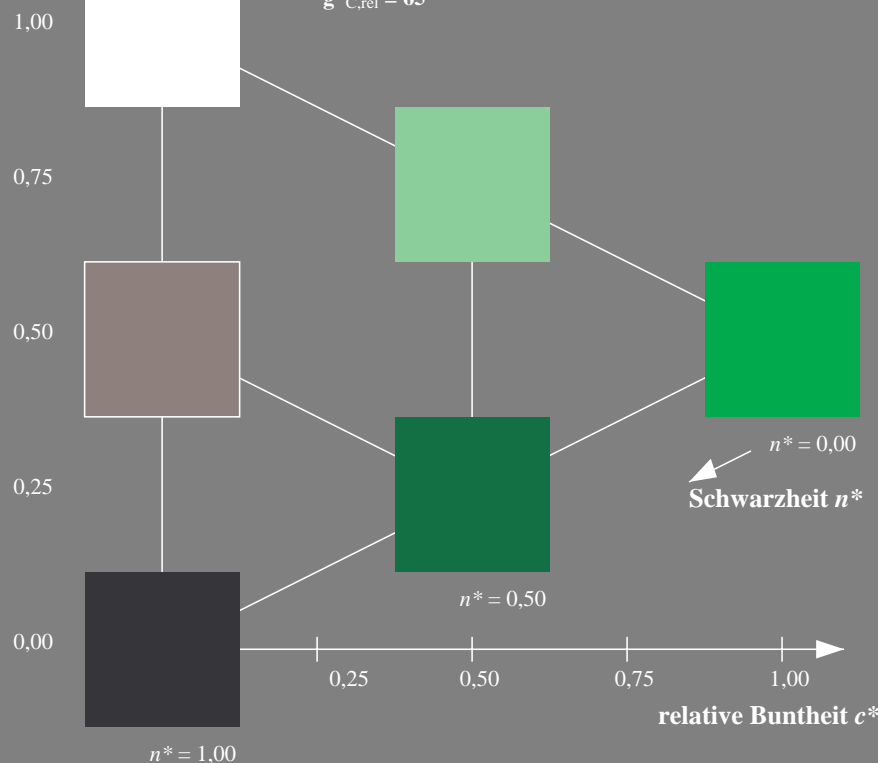
D65: Buntton G
LCH*Ma: 56 66 164
rgb*Ma: 0.1 1.0 0.0

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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

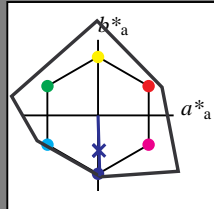
output: `no change compared to input`

Eingabe: Farbmetrisches Reflexions-System NCS11

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

D65: Buntton B
LCH*Ma: 49 80 272
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 149$
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

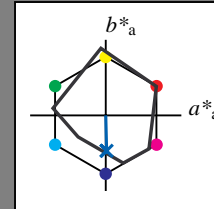
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50BMa | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| BMa | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50RMa | 44.06 | 106.09 | -73.93 | 129.32 | 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 |

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

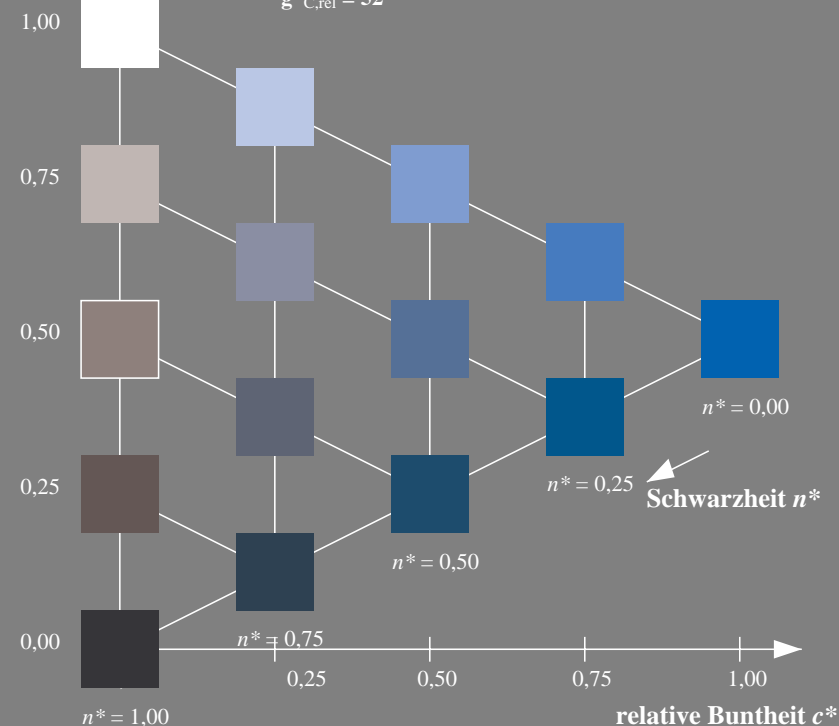
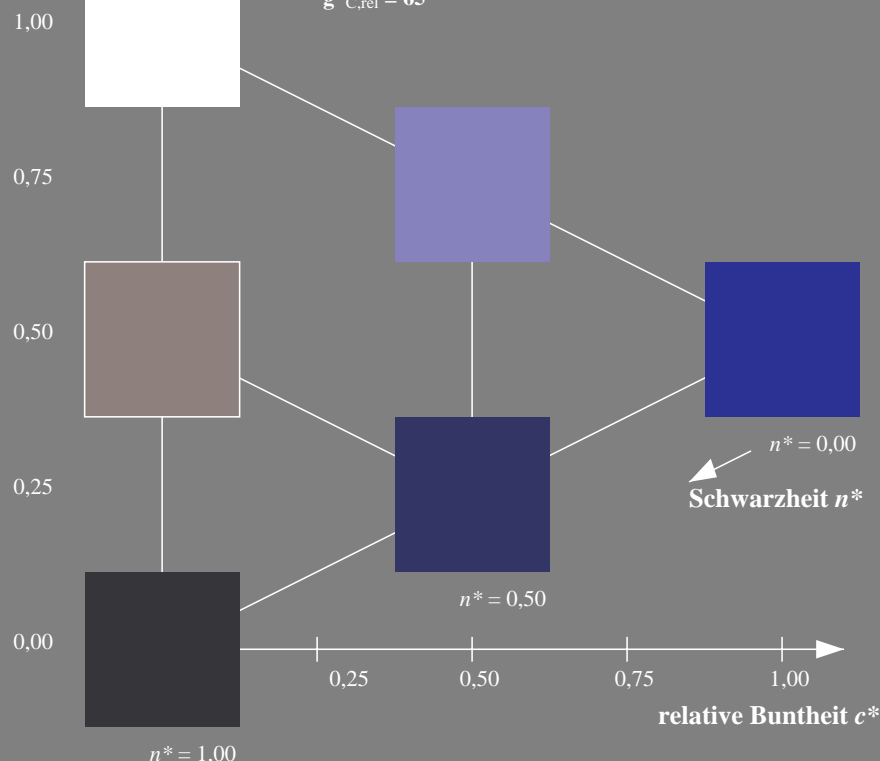
D65: Buntton B
LCH*Ma: 40 50 271
rgb*Ma: 0.0 0.37 1.0

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 |



UG680-7, 3stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage UG68; Farbmetrik-Systeme NCS11a & MRS18

D65: 3 und 5stufige Farbreihen für 10 Bunttöne

input: `cmY0* setcmykcolor`

output: `no change compared to input`