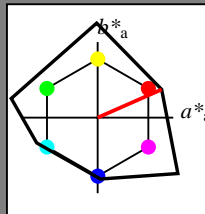


Eingabe: Farbmatisches Reflexions-System NCS11

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

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

Dreiecks-Helligkeit



%Umfang
 $u^*_{rel} = 149$

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

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1,00

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0,50

0,75

1,00

0,25

0,50

0,75

1,00

0,25

0,50

0,75

1,00

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 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

%Regularität

$g^*_{H,rel} = 46$

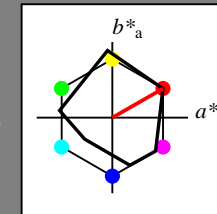
$g^*_{C,rel} = 65$

Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit



%Umfang
 $u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

0,25

0,50

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0,50

0,75

1,00

0,25

0,50

0,75

1,00

MRS18; adaptierte CIELAB-Daten

| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

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

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

TG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

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

BAM-Prüfvorlage TG48; Farbmatrik-Systeme NCS11a & MRS18; Input: $olv^* setrgbcolor$

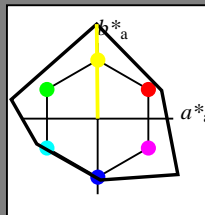
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne; Output: *no change compared to input*

Eingabe: Farbmatisches Reflexions-System NCS11

für Bunnton $h^* = lab^*h = 91/360 = 0.252$
 lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



1.00

% Umfang

$u^*_{rel} = 149$

0.75

% Umfang

1.00

% Umfang

$u^*_{rel} = 91$

0.50

% Umfang

0.75

% Umfang

0.25

% Umfang

0.50

% Umfang

0.00

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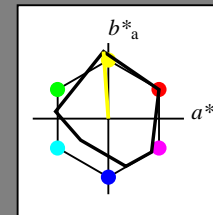
% Umfang

Ausgabe: Farbmatisches Reflexions-System MRS18

für Bunnton $h^* = lab^*h = 94/360 = 0.261$
 lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



1.00

% Umfang

$u^*_{rel} = 91$

0.75

% Umfang

0.75

% Umfang

0.50

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0.50

% Umfang

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% Umfang

0.00

% Umfang

0.00

% Umfang

MRS18; adaptierte CIELAB-Daten

| | L^* | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

$g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

%Regularität

$g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

%Regularität

$g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

%Regularität

$g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

%Regularität

$g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

TG480-7, 5 stufige Reihen für konstanten CIELAB Bunnton 91/360 = 0.252 (links)

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

BAM-Prüfvorlage TG48; Farbmatrik-Systeme NCS11a & MRS18; Input: $olv^* setrgbcolor$

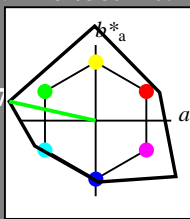
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne; Output: *no change compared to input*

Eingabe: Farbmatisches Reflexions-System NCS11

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

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

Dreiecks-Helligkeit



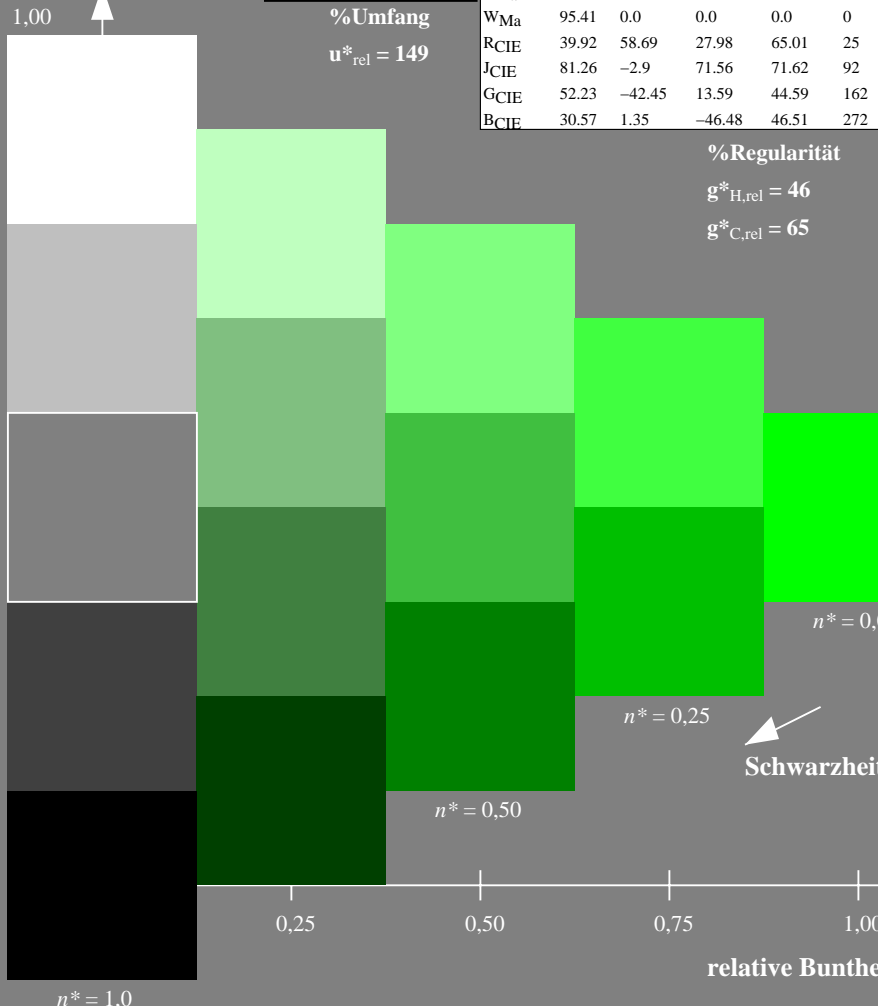
%Umfang
 $u^*_{rel} = 149$

| 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 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

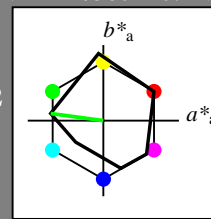


Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit



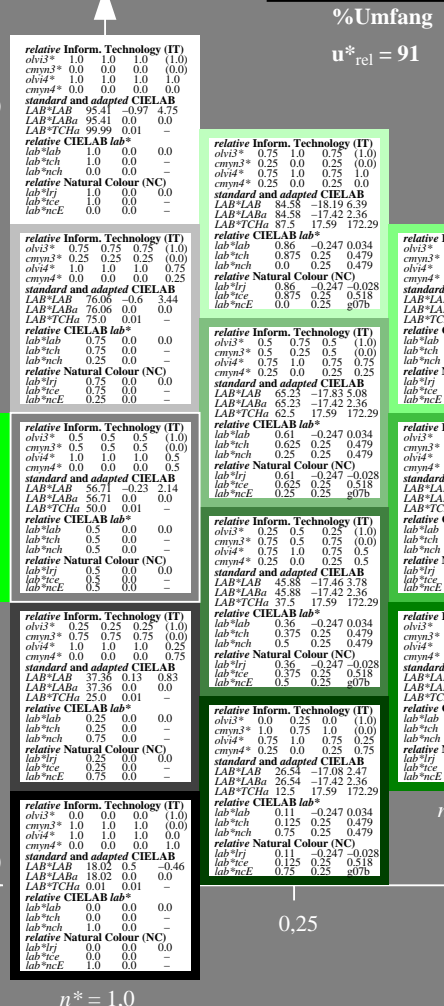
%Umfang
 $u^*_{rel} = 91$

| MRS18; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

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

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



TG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

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

BAM-Prüfvorlage TG48; Farbmatisches System NCS11a & MRS18; Input: $olv^* setrgbcolor$

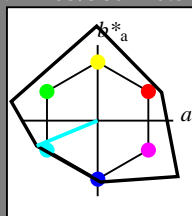
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne; Output: *no change compared to input*

Eingabe: Farbmetrisches Reflexions-System NCS11

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

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

Dreiecks-Helligkeit



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 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

%Regularität

$g^*_{H,rel} = 46$

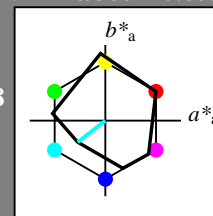
$g^*_{C,rel} = 65$

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit



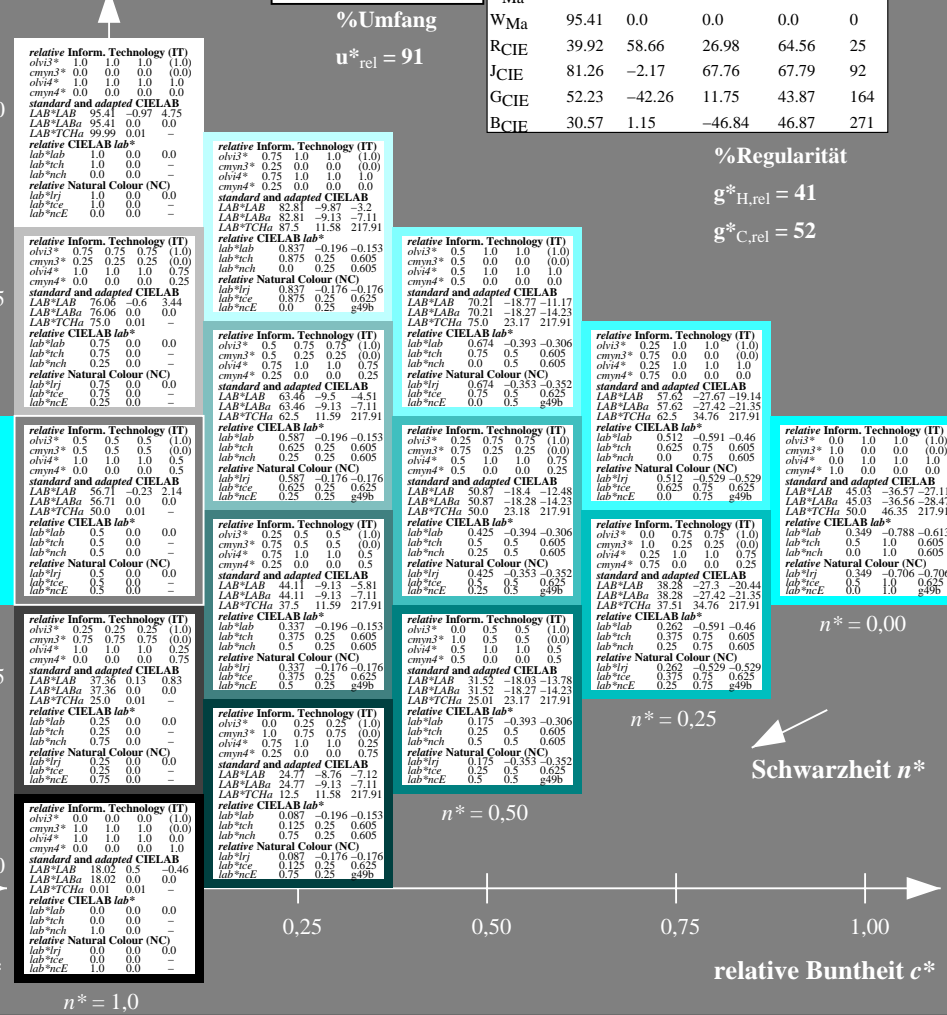
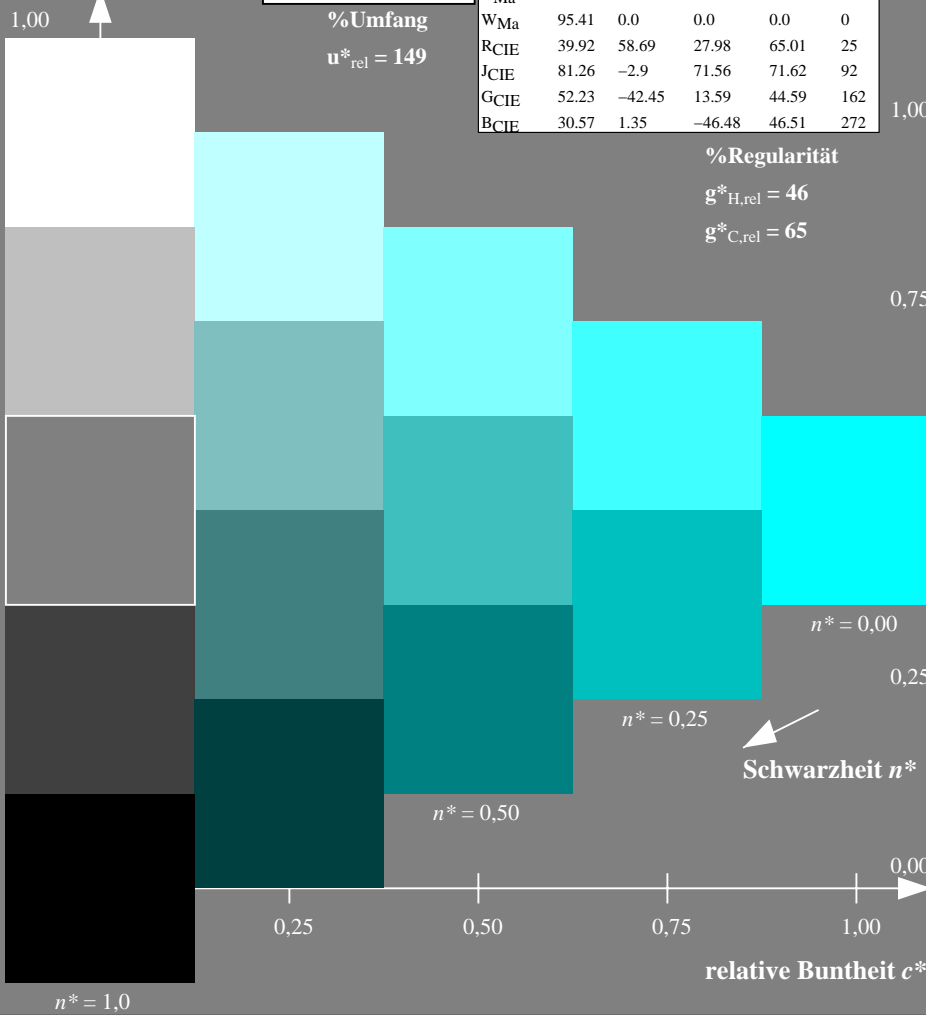
MRS18; adaptierte CIELAB-Daten

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

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

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



TG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

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

BAM-Prüfvorlage TG48; Farbmetrik-Systeme NCS11a & MRS18input: *olv* setrgbcolor*

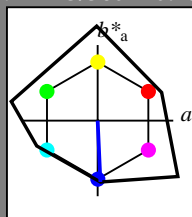
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Eingabe: Farbmimetrisches Reflexions-System NCS11

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

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

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1.00

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

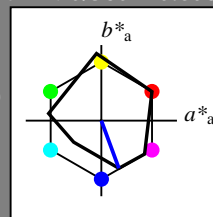
| NCS11; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|---------------|---------|---------|--------------|--------------|
| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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: Farbmimetrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

| MRS18; adaptierte CIELAB-Daten | | | | | |
|--------------------------------|---------------|---------|---------|--------------|--------------|
| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

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

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

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|-------|-------|-------|---------|
| | obv^*_3 | 1.0 | 1.0 | 1.0 | (1.0) |
| cmv^*_3 | 0.0 | 0.0 | 0.0 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 1.0 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.0 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|---------|---------|--------|--|
| | LAB^*LAB | 59.41 | -0.97 | 4.75 | |
| LAB^*TCh | 99.99 | 0.01 | - | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|-----|-----|-----|--|
| | lab^*lab | 1.0 | 0.0 | 0.0 | |
| lab^*tch | 1.0 | 0.0 | 0.0 | - | |
| lab^*nch | 0.0 | 0.0 | - | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|-----|-----|-----|--|
| | lab^*trj | 1.0 | 0.0 | 0.0 | |
| lab^*tce | 1.0 | 0.0 | - | - | |
| lab^*nce | 0.0 | 0.0 | - | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|------|------|------|-------|
| | obv^*_3 | 0.75 | 0.75 | 1.0 | (1.0) |
| cmv^*_3 | 0.25 | 0.25 | 0.0 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 0.5 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.25 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|------|------|--|
| | LAB^*LAB | 76.06 | -0.6 | 3.44 | |
| LAB^*TCh | 75.0 | 0.01 | - | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|------|-----|-----|-----|
| | lab^*lab | 0.75 | 0.5 | 0.0 | 0.0 |
| lab^*tch | 0.75 | 0.0 | - | - | |
| lab^*nch | 0.25 | 0.0 | - | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|------|-----|-----|-----|
| | lab^*trj | 0.75 | 0.0 | 0.0 | 0.0 |
| lab^*tce | 0.75 | 0.0 | - | - | |
| lab^*nce | 0.25 | 0.0 | - | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|---|----------------------------------|-----|-------|
| | obv^*_3 | 0.25 <th>0.25 <th>0.5</th> <th>(1.0)</th> </th> | 0.25 <th>0.5</th> <th>(1.0)</th> | 0.5 | (1.0) |
| cmv^*_3 | 0.5 | 0.5 | 0.0 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 0.5 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.5 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|------|------|--|
| | LAB^*LAB | 56.71 | 0.23 | 2.14 | |
| LAB^*TCh | 50.0 | 0.01 | - | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|-----|-----|-----|-----|
| | lab^*lab | 0.5 | 0.0 | 0.0 | 0.0 |
| lab^*tch | 0.5 | 0.0 | - | - | |
| lab^*nch | 0.5 | 0.0 | - | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|-----|-----|-----|-----|
| | lab^*trj | 0.5 | 0.0 | 0.0 | 0.0 |
| lab^*tce | 0.5 | 0.0 | - | - | |
| lab^*nce | 0.5 | 0.0 | - | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|------|------|-----|-------|
| | obv^*_3 | 0.75 | 0.75 | 1.0 | (1.0) |
| cmv^*_3 | 0.25 | 0.25 | 0.0 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 1.0 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.0 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|-------------------------------|--------|--|
| | LAB^*LAB | 80.72 | 5.1 <th>-11.98</th> <th></th> | -11.98 | |
| LAB^*TCh | 80.72 | 5.79 | -15.75 | - | |
| LAB^*TCh | 87.5 | 16.79 | 290.19 | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|------|-------|-----|-----|
| | lab^*lab | 0.75 | 0.75 | 1.0 | 1.0 |
| lab^*tch | 0.75 | 0.25 | 0.806 | - | |
| lab^*nch | 0.0 | 0.25 | 0.806 | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|---|-------|-----------------|--|
| | lab^*trj | 0.81 <th>0.064</th> <th>-0.24 <th></th> </th> | 0.064 | -0.24 <th></th> | |
| lab^*tce | 0.81 | 0.064 | -0.24 | - | |
| lab^*nce | 0.0 | 0.25 | 0.16 | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|-----|------|------|-------|
| | obv^*_3 | 0.5 | 0.5 | 0.75 | (1.0) |
| cmv^*_3 | 0.5 | 0.5 | 0.25 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 0.75 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.25 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|--------|--------|--|
| | LAB^*LAB | 61.37 | 5.47 | -13.29 | |
| LAB^*TCh | 61.37 | 5.8 | -15.75 | - | |
| LAB^*TCh | 62.5 | 16.8 | 290.19 | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|------|-------|------|------|
| | lab^*lab | 0.5 | 0.5 | 0.75 | 0.75 |
| lab^*tch | 0.5 | 0.25 | 0.806 | - | |
| lab^*nch | 0.25 | 0.25 | 0.806 | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|--|--------|------------------|--|
| | lab^*trj | 0.56 <th>0.064</th> <th>-0.241 <th></th> </th> | 0.064 | -0.241 <th></th> | |
| lab^*tce | 0.56 | 0.064 | -0.241 | - | |
| lab^*nce | 0.25 | 0.25 | 0.16 | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|---|----------------------------------|-----|-------|
| | obv^*_3 | 0.25 <th>0.25 <th>0.5</th> <th>(1.0)</th> </th> | 0.25 <th>0.5</th> <th>(1.0)</th> | 0.5 | (1.0) |
| cmv^*_3 | 0.75 | 0.75 | 0.25 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 0.5 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.5 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|--------------------------------|-----------------|--|
| | LAB^*LAB | 42.02 | 5.84 <th>-14.6 <th></th> </th> | -14.6 <th></th> | |
| LAB^*TCh | 42.02 | 5.8 | -15.75 | - | |
| LAB^*TCh | 37.5 | 16.8 | 290.19 | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|--|---------------------------------|--------|--|
| | lab^*lab | 0.31 <th>0.086 <th>-0.234</th> <th></th> </th> | 0.086 <th>-0.234</th> <th></th> | -0.234 | |
| lab^*tch | 0.31 | 0.086 | -0.234 | - | |
| lab^*nch | 0.25 | 0.25 | 0.806 | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|--|--------|------------------|--|
| | lab^*trj | 0.31 <th>0.064</th> <th>-0.241 <th></th> </th> | 0.064 | -0.241 <th></th> | |
| lab^*tce | 0.31 | 0.064 | -0.241 | - | |
| lab^*nce | 0.5 | 0.25 | 0.16 | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|-----|-----|-----|-------|
| | obv^*_3 | 0.5 | 0.5 | 1.0 | (1.0) |
| cmv^*_3 | 0.5 | 0.5 | 0.0 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 1.0 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.0 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|---------------------------------|--------|--|
| | LAB^*LAB | 66.03 | 11.17 <th>-28.74</th> <th></th> | -28.74 | |
| LAB^*TCh | 66.03 | 11.59 | -31.51 | - | |
| LAB^*TCh | 75.0 | 33.59 | 290.19 | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|-------|--------|--------|--|
| | lab^*lab | 0.62 | 0.173 | -0.468 | |
| lab^*tch | 0.62 | 0.173 | -0.468 | - | |
| lab^*nch | 0.0 | 0.5 | 0.806 | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|-------|--------|--------|--|
| | lab^*trj | 0.62 | 0.129 | -0.482 | |
| lab^*tce | 0.62 | 0.129 | -0.482 | - | |
| lab^*nce | 0.0 | 0.3 | 0.16 | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|--|-----------------------------------|------|-------|
| | obv^*_3 | 0.25 <th>0.25 <th>0.75</th> <th>(1.0)</th> </th> | 0.25 <th>0.75</th> <th>(1.0)</th> | 0.75 | (1.0) |
| cmv^*_3 | 0.75 | 0.75 | 0.25 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 0.75 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.25 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|---------------------------------|--------|--|
| | LAB^*LAB | 46.68 | 11.55 <th>-30.05</th> <th></th> | -30.05 | |
| LAB^*TCh | 46.68 | 11.59 | -31.52 | - | |
| LAB^*TCh | 50.0 | 33.59 | 290.19 | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|---|--------|--------|--|
| | lab^*lab | 0.25 <th>0.173</th> <th>-0.468</th> <th></th> | 0.173 | -0.468 | |
| lab^*tch | 0.25 | 0.173 | -0.468 | - | |
| lab^*nch | 0.5 | 0.5 | 0.806 | - | |

| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|---|--------|--------|--|
| | lab^*trj | 0.37 <th>0.129</th> <th>-0.482</th> <th></th> | 0.129 | -0.482 | |
| lab^*tce | 0.37 | 0.129 | -0.482 | - | |
| lab^*nce | 0.25 | 0.3 | 0.16 | - | |

| relative Inform. Technology (IT) | | | | | |
|----------------------------------|-----------|-----|-----|-----|-------|
| | obv^*_3 | 1.0 | 1.0 | 0.5 | (1.0) |
| cmv^*_3 | 1.0 | 1.0 | 0.5 | 0.0 | (0.0) |
| olv^*_4 | 1.0 | 1.0 | 1.0 | 0.5 | (0.0) |
| cmv^*_4 | 0.0 | 0.0 | 0.0 | 0.5 | (0.0) |

| standard and adapted CIELAB | | | | | |
|-----------------------------|------------|-------|---------------------------------|--------|--|
| | LAB^*LAB | 27.34 | 11.92 <th>-31.35</th> <th></th> | -31.35 | |
| LAB^*TCh | 27.34 | 11.59 | -31.51 | - | |
| LAB^*TCh | 25.01 | 33.59 | 290.19 | - | |

| relative CIELAB lab* | | | | | |
|----------------------|------------|---|--------|--------|--|
| | lab^*lab | 0.12 <th>0.173</th> <th>-0.468</th> <th></th> | 0.173 | -0.468 | |
| lab^*tch | 0.12 | 0.173 | -0.468 | - | |
| lab^*nch | 0.25 | 0.5 | 0.806 | - | |

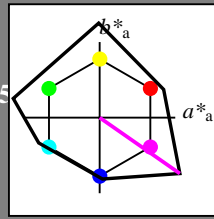
| relative Natural Colour (NC) | | | | | |
|------------------------------|------------|---|-------|--------|--|
| | lab^*trj | 0.12 <th>0.129</th> <th>-0.482</th> <th></th> | 0.129 | -0.482 | |
| lab^*tce | 0.12 | | | | |

Eingabe: Farbmatisches Reflexions-System NCS11

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

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

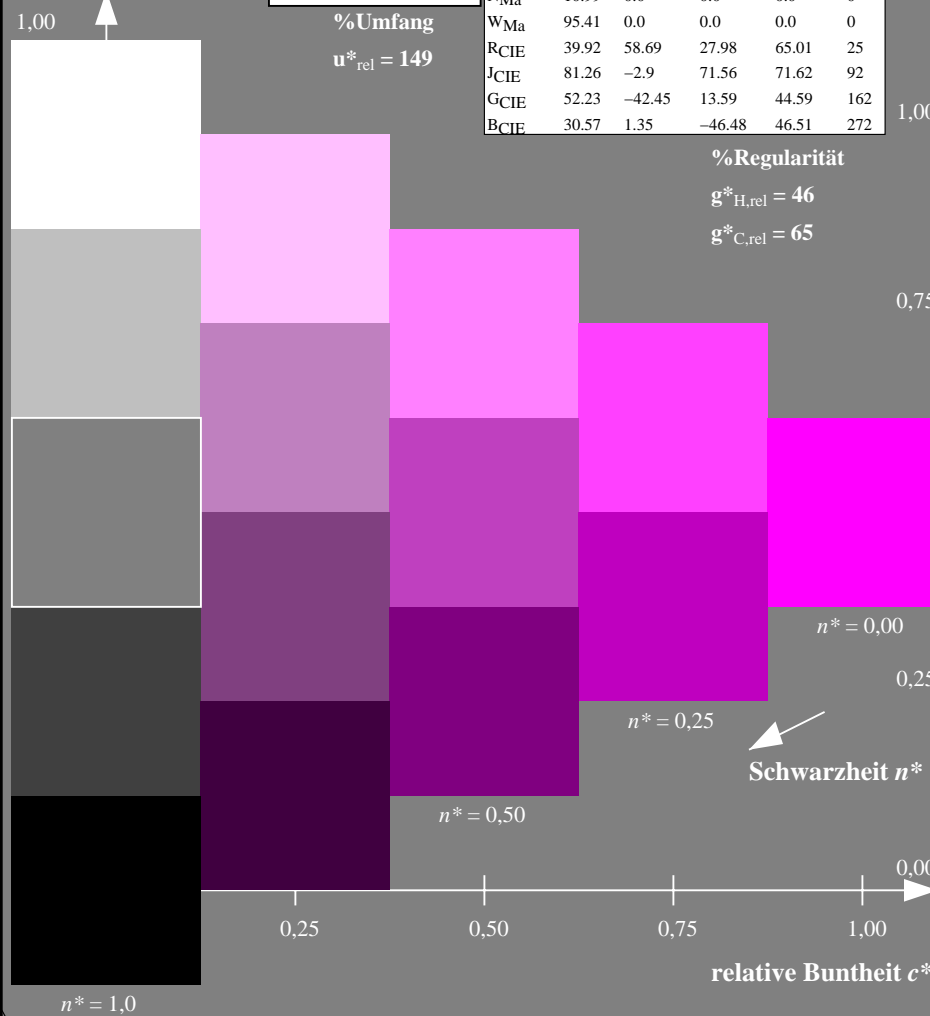
Dreiecks-Helligkeit



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 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

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



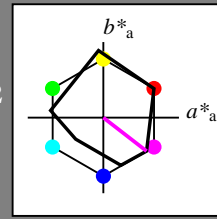
TG480-7, 5stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

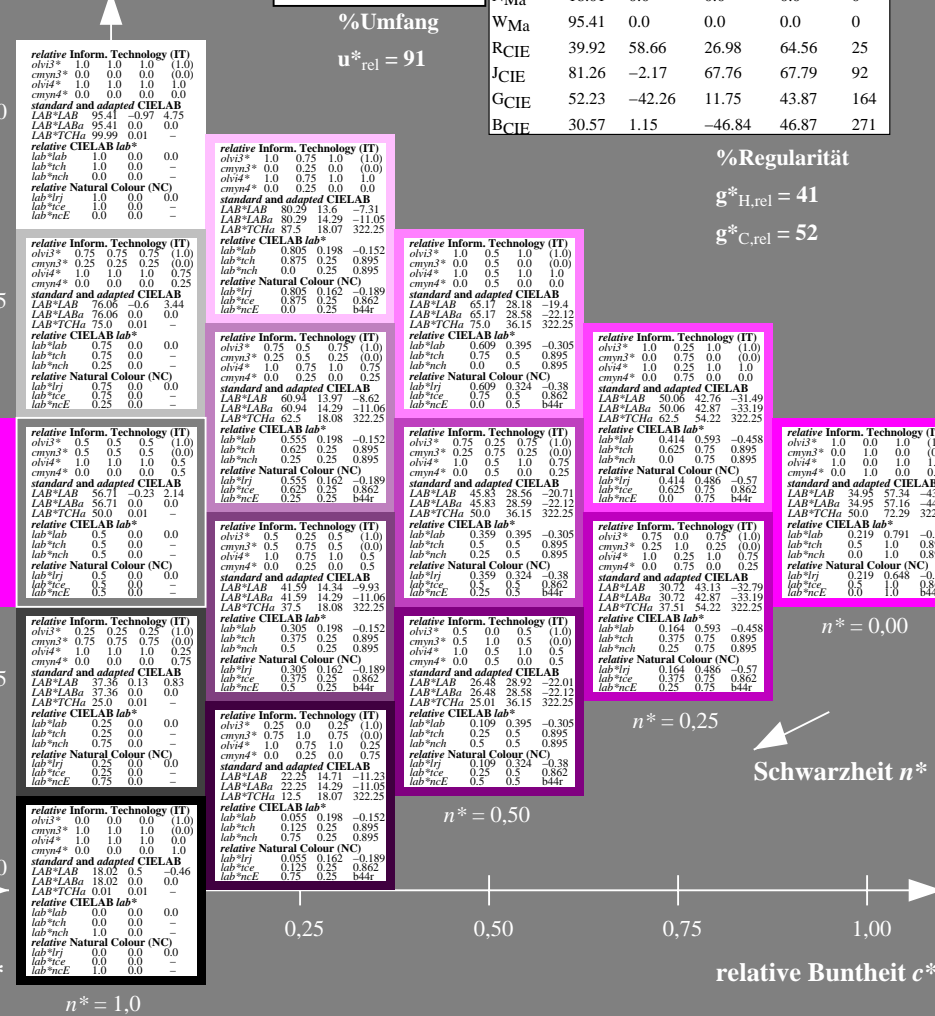
Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

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



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

BAM-Prüfvorlage TG48; Farbmatrik-Systeme NCS11a & MRS18
 D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
 output: no change compared to input

Siehe ähnliche Dateien: <http://www.ps.bam.de/TG48/>
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

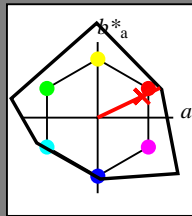
BAM-Registrierung: 20060101-TG48/10L/L48G05NP.PS/.PDF BAM-Material: Code=th4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
 Form 6/10, Serie: 1/1, Seite: 6
 Scherzhang 6

Eingabe: Farbmatisches Reflexions-System NCS11

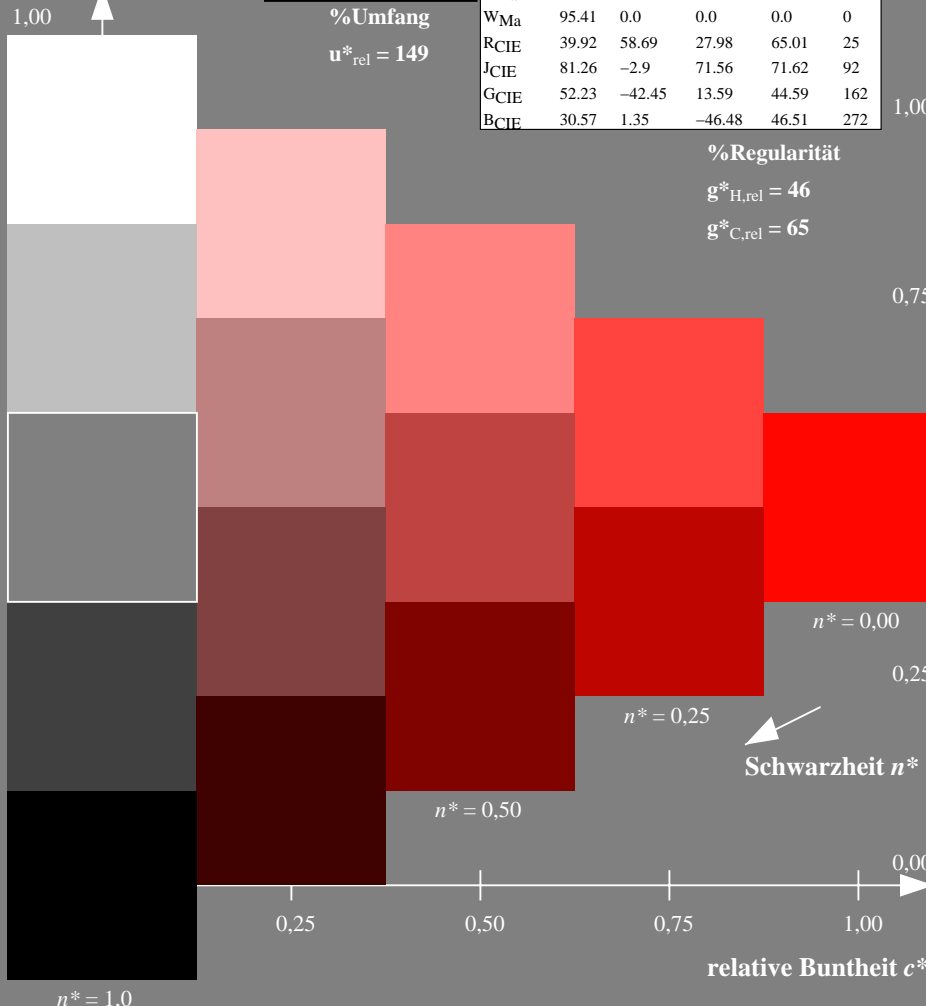
für Buntton $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



%Umfang
 $u^*_{rel} = 149$



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 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

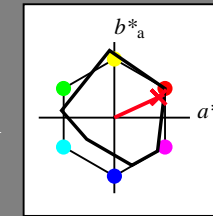
%Regularität
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit

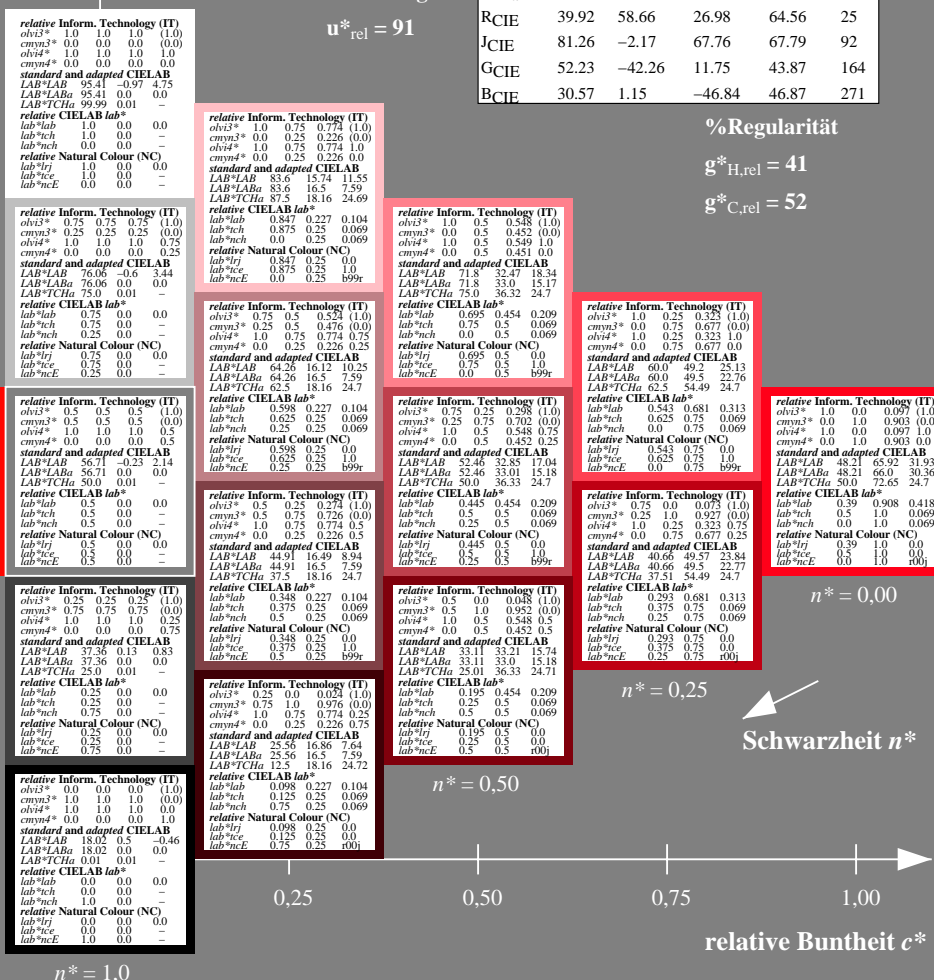


%Umfang
 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

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



TG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

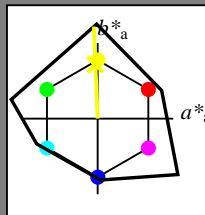
BAM-Prüfvorlage TG48; Farbmatisches System NCS11a & MRS18
 D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
 output: no change compared to input

Eingabe: Farbmatisches Reflexions-System NCS11

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

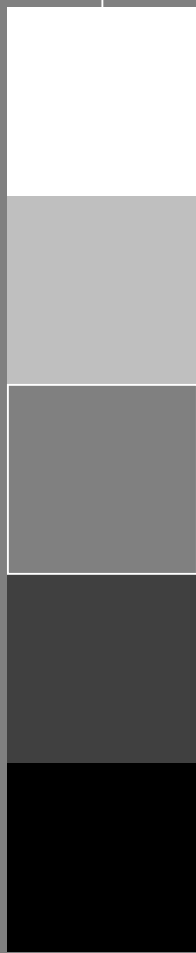
D65: Buntton J
 LCH*Ma: 90 122 92
 rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang
 $u^*_{rel} = 149$

1.00



$n^* = 1.0$

NCS11; adaptierte CIELAB-Daten

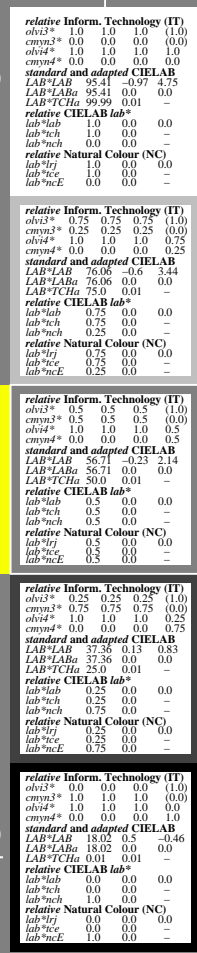
| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa | 47.15 | 84.64 | 37.25 | 92.48 | 24 |
| JMa | 91.37 | -1.27 | 125.03 | 125.03 | 91 |
| GMa | 63.07 | -114.28 | 25.35 | 117.06 | 167 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1.00



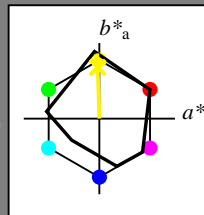
$n^* = 1.0$

Ausgabe: Farbmatisches Reflexions-System MRS18

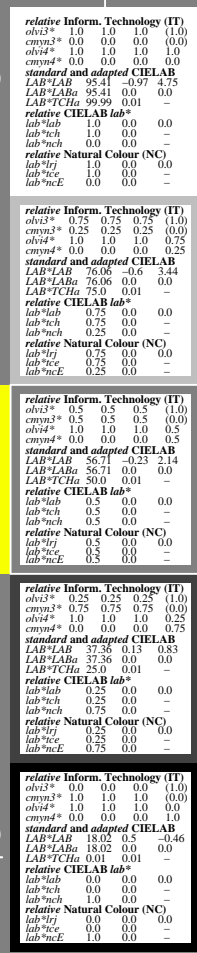
für Buntton $h^* = lab^*h = 92/360 = 0.255$
 lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



%Umfang
 $u^*_{rel} = 91$



$n^* = 1.0$

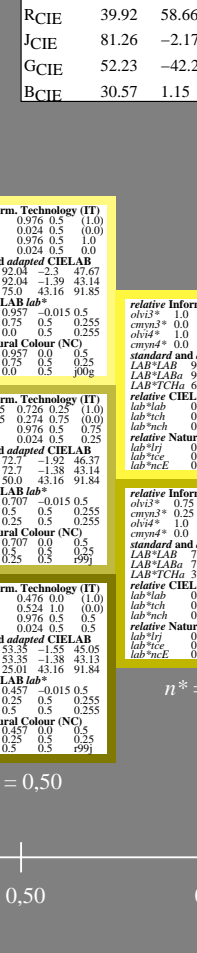
MRS18; adaptierte CIELAB-Daten

| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

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

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



$n^* = 0.50$

$n^* = 0.00$

TG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage TG48; Farbmatisches System NCS11a & MRS18; Input: $olv^* setrgbcolor$

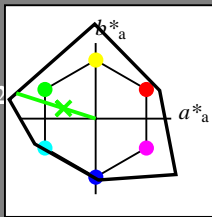
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne; Output: *no change compared to input*

Eingabe: Farbmatisches Reflexions-System NCS11

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

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

Dreiecks-Helligkeit



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 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

%Regularität

$g^*_{H,rel} = 46$

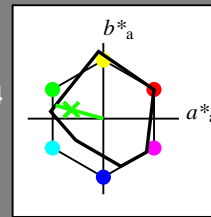
$g^*_{C,rel} = 65$

Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit



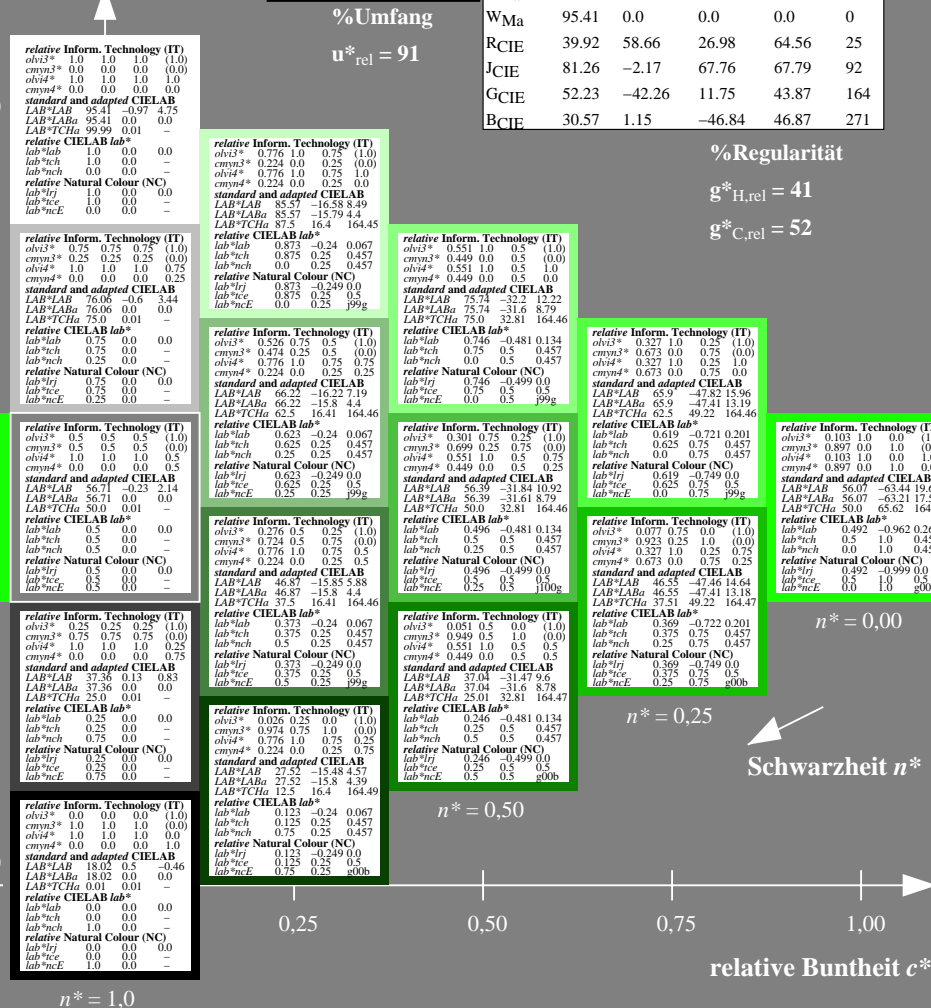
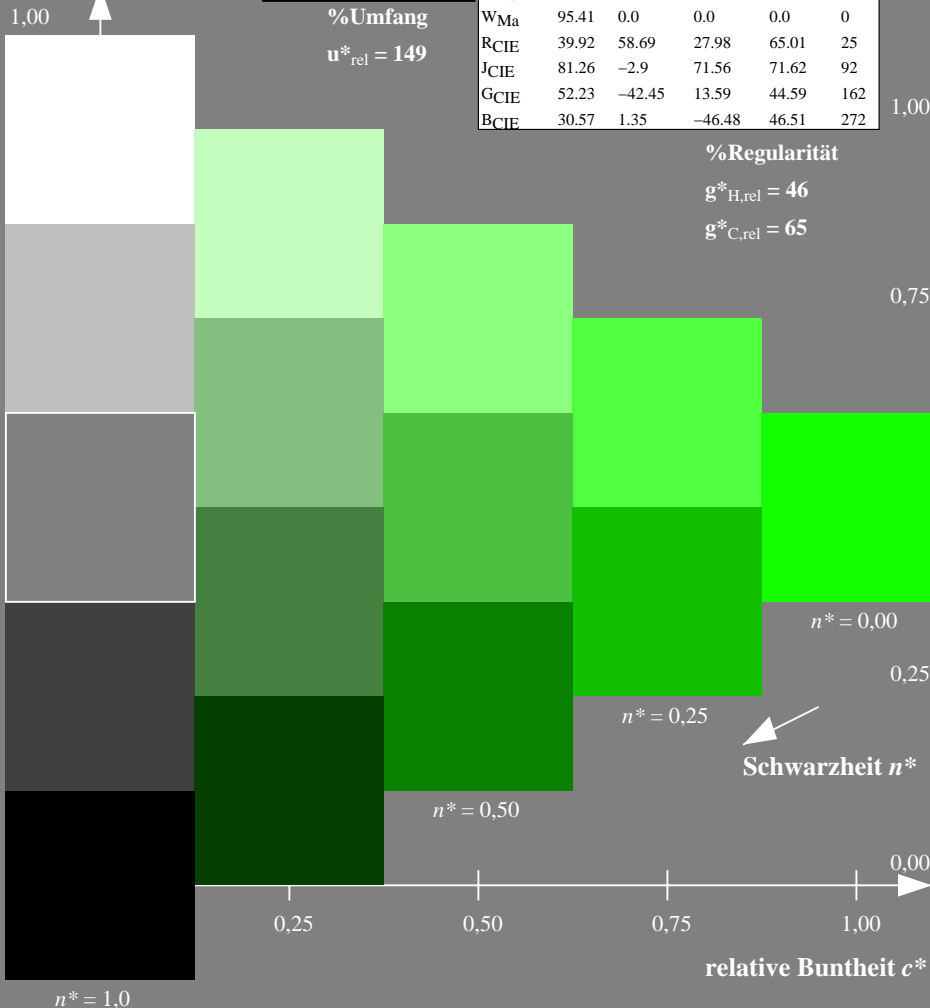
MRS18; adaptierte CIELAB-Daten

| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

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

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



TG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

BAM-Prüfvorlage TG48; Farbmatrik-Systeme NCS11a & MRS18input: $olv^* setrgbcolor$

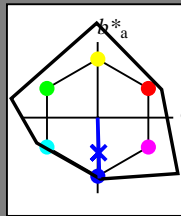
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Eingabe: Farbmimetrisches Reflexions-System NCS11

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

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

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1,00

↑

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

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0,75

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 |
| G50B _{Ma} | 59.47 | -80.6 | -33.45 | 87.28 | 203 |
| B _{Ma} | 49.01 | 3.65 | -81.19 | 81.28 | 273 |
| B50R _{Ma} | 44.06 | 106.09 | -73.93 | 129.32 | 325 |
| N _{Ma} | 10.99 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 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 |

%Regularität

$g^*_{H,rel} = 46$

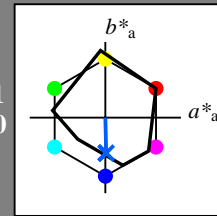
$g^*_{C,rel} = 65$

Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

↑

0,75

0,50

0,25

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0,50

0,75

MRS18; adaptierte CIELAB-Daten

| | $L^* = L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50B _{Ma} | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| B _{Ma} | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50R _{Ma} | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| 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 |

%Regularität

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

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

TG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage TG48; Farbmimetrik-Systeme NCS11a & MRS18input: $olv^*setrgbcolor$

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

Siehe ähnliche Dateien: <http://www.ps.bam.de/TG48/>
 Technische Information: <http://www.ps.bam.de/Version 2.1, io=1,1>

BAM-Registrierung: 20060101-TG48/10L/L48G09NP.PS/.PDF BAM-Material: Code=th4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen
 /TG48 Form 10/10/Seite 1/1, Seite: 10
 Scherzhang 10