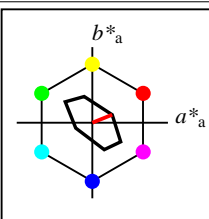


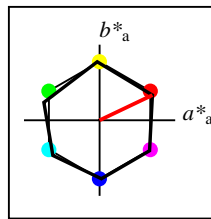
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

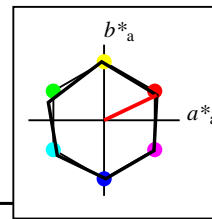
| TLS70a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

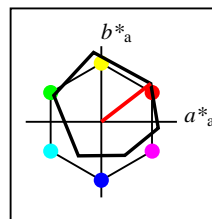
| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



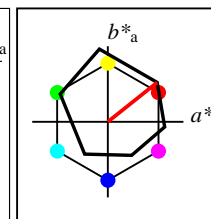
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



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

| ORS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 47.94 | 65.39 | 50.52 | 82.63 | 38 |
| Y _{Ma} | 90.37 | -10.26 | 91.75 | 92.32 | 96 |
| L _{Ma} | 50.9 | -62.83 | 34.96 | 71.91 | 151 |
| C _{Ma} | 58.62 | -30.34 | -45.01 | 54.3 | 236 |
| V _{Ma} | 25.72 | 31.1 | -44.4 | 54.22 | 305 |
| M _{Ma} | 48.13 | 75.28 | -8.36 | 75.74 | 354 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.66 | 26.98 | 64.57 | 25 |
| J _{CIE} | 81.26 | -2.16 | 67.76 | 67.79 | 92 |
| G _{CIE} | 52.23 | -42.25 | 11.76 | 43.87 | 164 |
| B _{CIE} | 30.57 | 1.15 | -46.84 | 46.86 | 271 |



%Umfang
 $u^*_{rel} = 94$
%Regularität
 $g^*_{H,rel} = 58$
 $g^*_{C,rel} = 54$

| ORS18 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _M | 47.94 | 65.31 | 52.07 | 83.53 | 39 |
| Y _M | 90.37 | -11.15 | 96.17 | 96.82 | 97 |
| L _M | 50.9 | -62.96 | 36.71 | 72.89 | 150 |
| C _M | 58.62 | -30.62 | -42.74 | 52.59 | 234 |
| V _M | 25.72 | 31.45 | -44.35 | 54.38 | 305 |
| M _M | 48.13 | 75.2 | -6.79 | 75.51 | 355 |
| N _M | 18.01 | 0.5 | -0.46 | 0.69 | 317 |
| W _M | 95.41 | -0.98 | 4.76 | 4.86 | 102 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
ORS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (37.7, 96.4, 150.9, 236.0, 305.0, 353.7); Vier Bunttonwinkel der Elementarfarben: (24.7, 91.8, 164.5, 271.4)

Y Gelb

$olv3Mi = 1.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.8 \ 1.0 \ 0.0$
 $LCHMi = 93.9 \ 36.3 \ 107$
 $LCHo = 82.5 \ 88.2 \ 107$
 $tchMi = 0.5 \ 1.0 \ 0.298$
 $tchMo = 0.5 \ 1.0 \ 0.298$

L Laubgrün

$olv3Mi = 0.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.157 \ 1.0 \ 0.0$
 $LCHMi = 89.3 \ 45.2 \ 142$
 $LCHo = 57.1 \ 75.1 \ 142$
 $tchMi = 0.5 \ 1.0 \ 0.395$
 $tchMo = 0.5 \ 1.0 \ 0.395$

C Cyanblau

$olv3Mi = 0.0 \ 1.0 \ 1.0$
 $olv3Mo = 0.0 \ 1.0 \ 0.552$
 $LCHMi = 90.9 \ 23.1 \ 198$
 $LCHo = 55.2 \ 62.2 \ 198$
 $tchMi = 0.5 \ 1.0 \ 0.55$
 $tchMo = 0.5 \ 1.0 \ 0.55$

V Violettblau

$olv3Mi = 0.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.0 \ 0.162 \ 1.0$
 $LCHMi = 72.1 \ 39.0 \ 294$
 $LCHo = 31.0 \ 54.2 \ 294$
 $tchMi = 0.5 \ 1.0 \ 0.816$
 $tchMo = 0.5 \ 1.0 \ 0.816$

M Magentarot

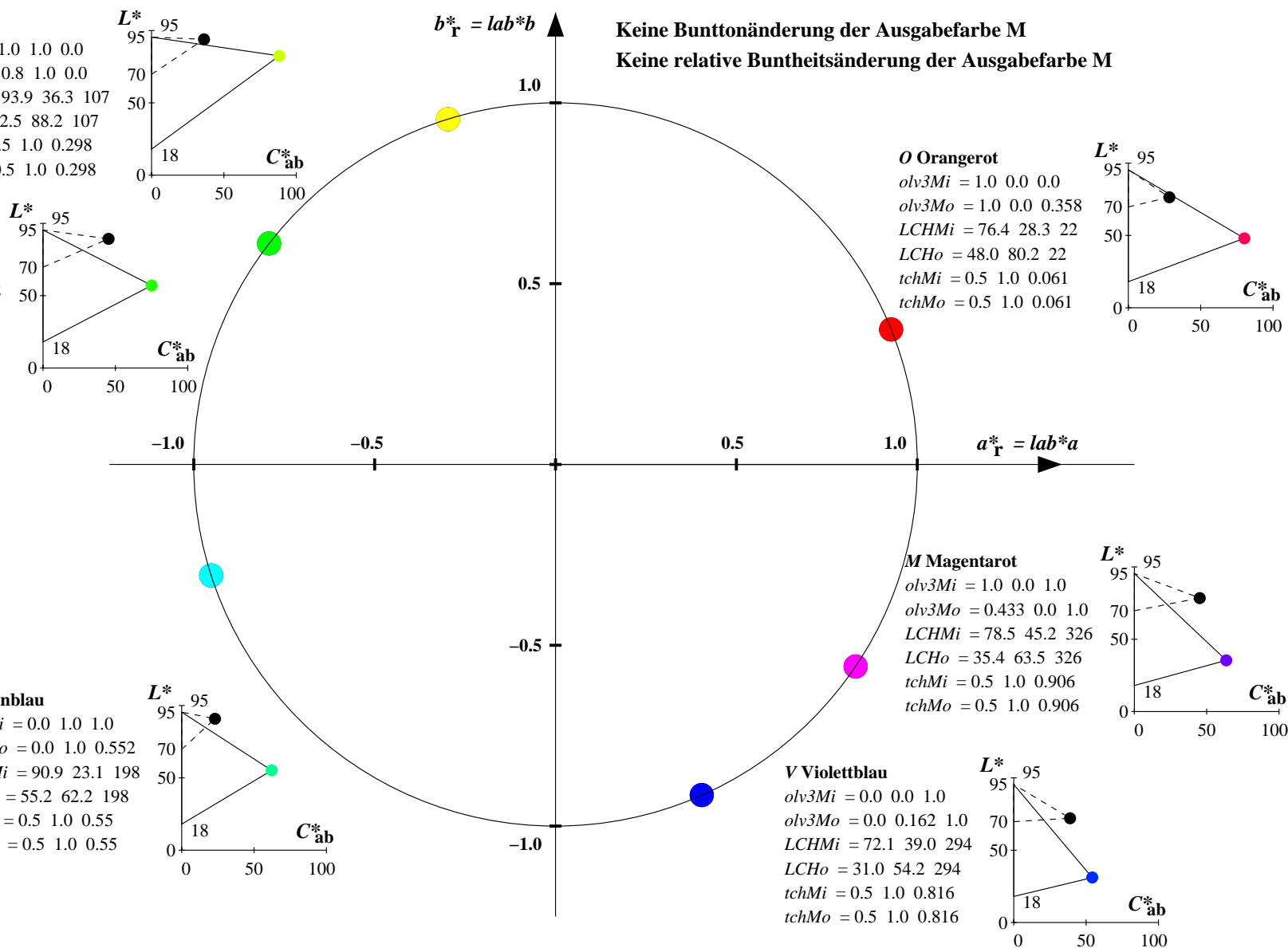
$olv3Mi = 1.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.433 \ 0.0 \ 1.0$
 $LCHMi = 78.5 \ 45.2 \ 326$
 $LCHo = 35.4 \ 63.5 \ 326$
 $tchMi = 0.5 \ 1.0 \ 0.906$
 $tchMo = 0.5 \ 1.0 \ 0.906$

O Orangerot

$olv3Mi = 1.0 \ 0.0 \ 0.0$
 $olv3Mo = 1.0 \ 0.0 \ 0.358$
 $LCHMi = 76.4 \ 28.3 \ 22$
 $LCHo = 48.0 \ 80.2 \ 22$
 $tchMi = 0.5 \ 1.0 \ 0.061$
 $tchMo = 0.5 \ 1.0 \ 0.061$

Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C^*_{ab}) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) ORS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (37.7, 96.4, 150.9, 236.0, 305.0, 353.7); Vier Bunttonwinkel der Elementarfarben: (24.7, 91.8, 164.5, 271.4)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.617 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 75.2 84.5 117
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.326

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.017
LCHMi = 89.3 45.2 142
LCHo = 51.0 71.6 152
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.423

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.669
LCHMi = 90.9 23.1 198
LCHo = 56.1 60.1 208
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.577

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.131
LCHMi = 76.4 28.3 22
LCHo = 48.0 81.7 32
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.089

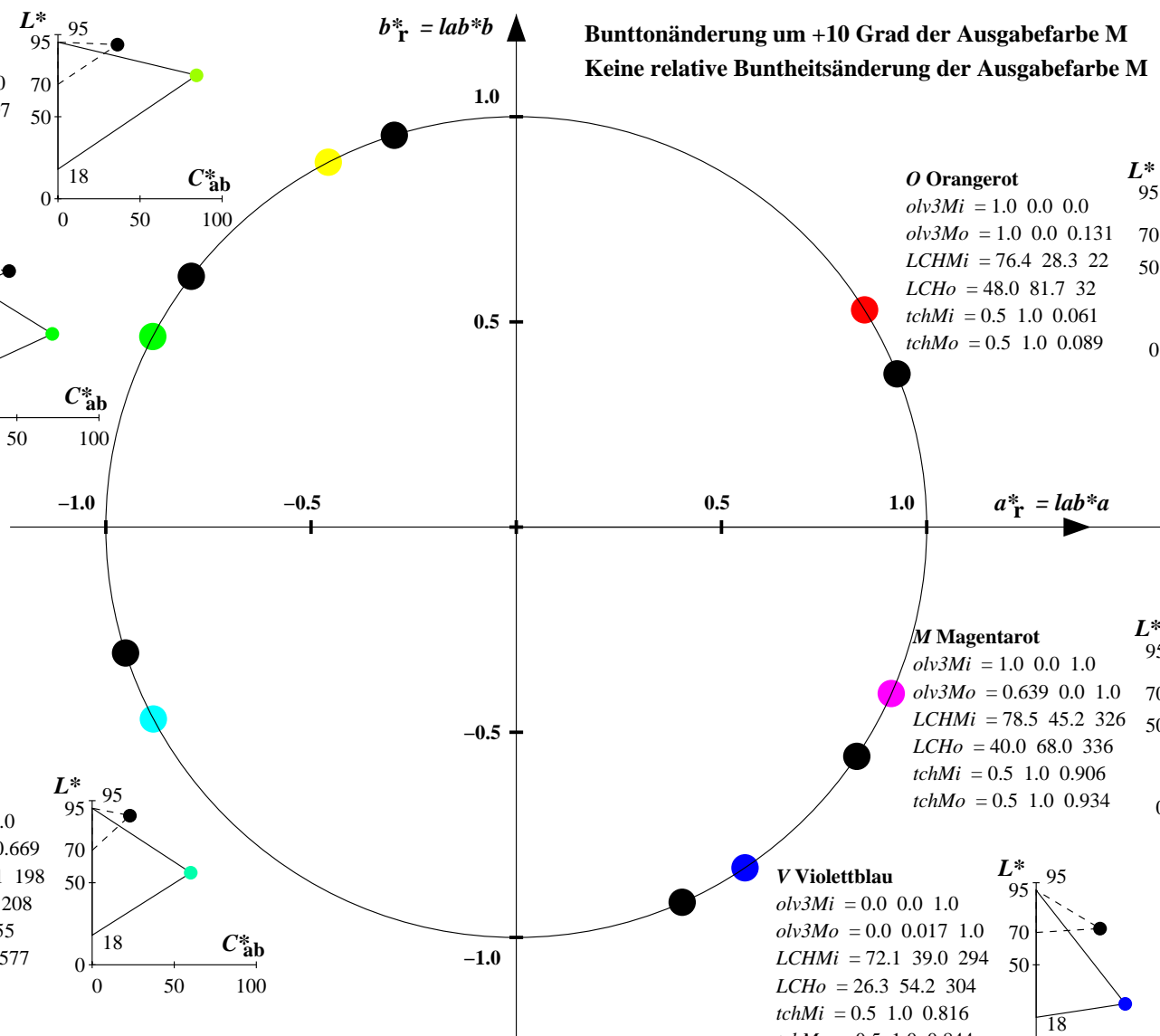
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.639 0.0 1.0
LCHMi = 78.5 45.2 326
LCHo = 40.0 68.0 336
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.934

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.0 0.017 1.0
LCHMi = 72.1 39.0 294
LCHo = 26.3 54.2 304
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.844

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*b$) und **absolutes CIELAB Bunttondreiecks-Diagramm:** (L^* , C^*_{ab}) für Ein- (—) und Ausgabe (---) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) ORS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (37.7, 96.4, 150.9, 236.0, 305.0, 353.7); Vier Bunttonwinkel der Elementarfarben: (24.7, 91.8, 164.5, 271.4)

Y Gelb

$olv3Mi = 1.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.65 \ 0.75 \ 0.25$
 $LCHMi = 93.9 \ 36.3 \ 107$
 $LCHo = 65.1 \ 44.1 \ 107$
 $tchMi = 0.5 \ 1.0 \ 0.298$
 $tchMo = 0.5 \ 0.5 \ 0.298$

L Laubgrün

$olv3Mi = 0.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.329 \ 0.75 \ 0.25$
 $LCHMi = 89.3 \ 45.2 \ 142$
 $LCHo = 52.4 \ 37.6 \ 142$
 $tchMi = 0.5 \ 1.0 \ 0.395$
 $tchMo = 0.5 \ 0.5 \ 0.395$

C Cyanblau

$olv3Mi = 0.0 \ 1.0 \ 1.0$
 $olv3Mo = 0.25 \ 0.75 \ 0.526$
 $LCHMi = 90.9 \ 23.1 \ 198$
 $LCHo = 51.4 \ 31.1 \ 198$
 $tchMi = 0.5 \ 1.0 \ 0.55$
 $tchMo = 0.5 \ 0.5 \ 0.55$

O Orangerot

$olv3Mi = 1.0 \ 0.0 \ 0.0$
 $olv3Mo = 0.75 \ 0.25 \ 0.429$
 $LCHMi = 76.4 \ 28.3 \ 22$
 $LCHo = 47.9 \ 40.1 \ 22$
 $tchMi = 0.5 \ 1.0 \ 0.061$
 $tchMo = 0.5 \ 0.5 \ 0.061$

M Magentarot

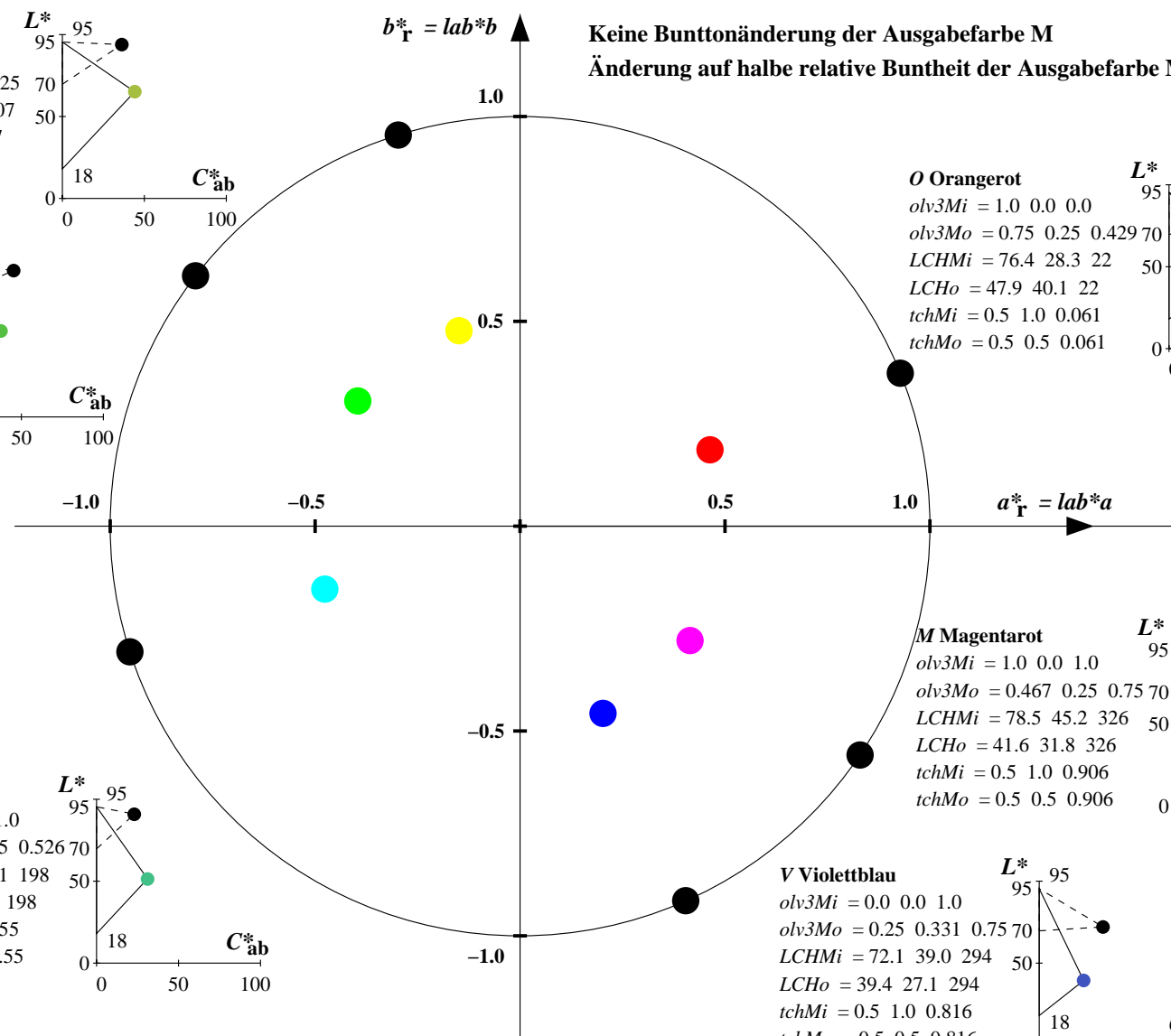
$olv3Mi = 1.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.467 \ 0.25 \ 0.75$
 $LCHMi = 78.5 \ 45.2 \ 326$
 $LCHo = 41.6 \ 31.8 \ 326$
 $tchMi = 0.5 \ 1.0 \ 0.906$
 $tchMo = 0.5 \ 0.5 \ 0.906$

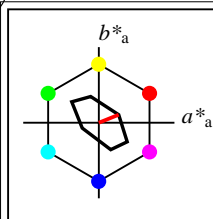
V Violettblau

$olv3Mi = 0.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.25 \ 0.331 \ 0.75$
 $LCHMi = 72.1 \ 39.0 \ 294$
 $LCHo = 39.4 \ 27.1 \ 294$
 $tchMi = 0.5 \ 1.0 \ 0.816$
 $tchMo = 0.5 \ 0.5 \ 0.816$

Keine Bunttonänderung der Ausgabefarbe M

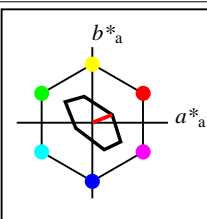
Änderung auf halbe relative Buntheit der Ausgabefarbe M





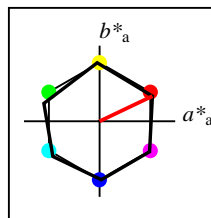
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

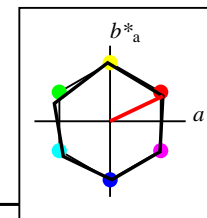
| TLS70a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

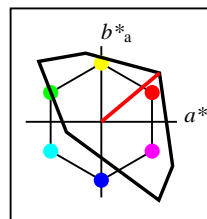
| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



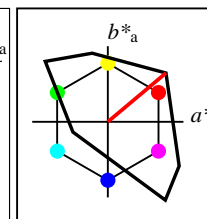
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 158$
%Regularität
 $g^*_{H,rel} = 20$
 $g^*_{C,rel} = 37$

| TLS00a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| Y _{Ma} | 92.66 | -20.69 | 90.75 | 93.08 | 103 |
| L _{Ma} | 83.63 | -82.75 | 79.9 | 115.04 | 136 |
| C _{Ma} | 86.88 | -46.16 | -13.55 | 48.12 | 196 |
| V _{Ma} | 30.39 | 76.06 | -103.59 | 128.52 | 306 |
| M _{Ma} | 57.3 | 94.35 | -58.41 | 110.97 | 328 |
| N _{Ma} | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 158$
%Regularität
 $g^*_{H,rel} = 20$
 $g^*_{C,rel} = 37$

| TLS00 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 50.5 | 76.92 | 64.55 | 100.42 | 40 |
| Y _{Ma} | 92.66 | -20.69 | 90.75 | 93.08 | 103 |
| L _{Ma} | 83.63 | -82.75 | 79.9 | 115.04 | 136 |
| C _{Ma} | 86.88 | -46.16 | -13.55 | 48.12 | 196 |
| V _{Ma} | 30.39 | 76.06 | -103.59 | 128.52 | 306 |
| M _{Ma} | 57.3 | 94.35 | -58.41 | 110.97 | 328 |
| N _{Ma} | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) TLS00: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (40.0, 102.8, 136.0, 196.4, 306.3, 328.2); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.867 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 91.5 96.0 107
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.298

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.105
LCHMi = 89.3 45.2 142
LCHo = 84.0 108.0 142
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.395

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.986 1.0
LCHMi = 90.9 23.1 198
LCHo = 86.1 49.2 198
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.55

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.0 0.113 1.0
LCHMi = 72.1 39.0 294
LCHo = 36.8 119.4 294
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.816

M Magentarot

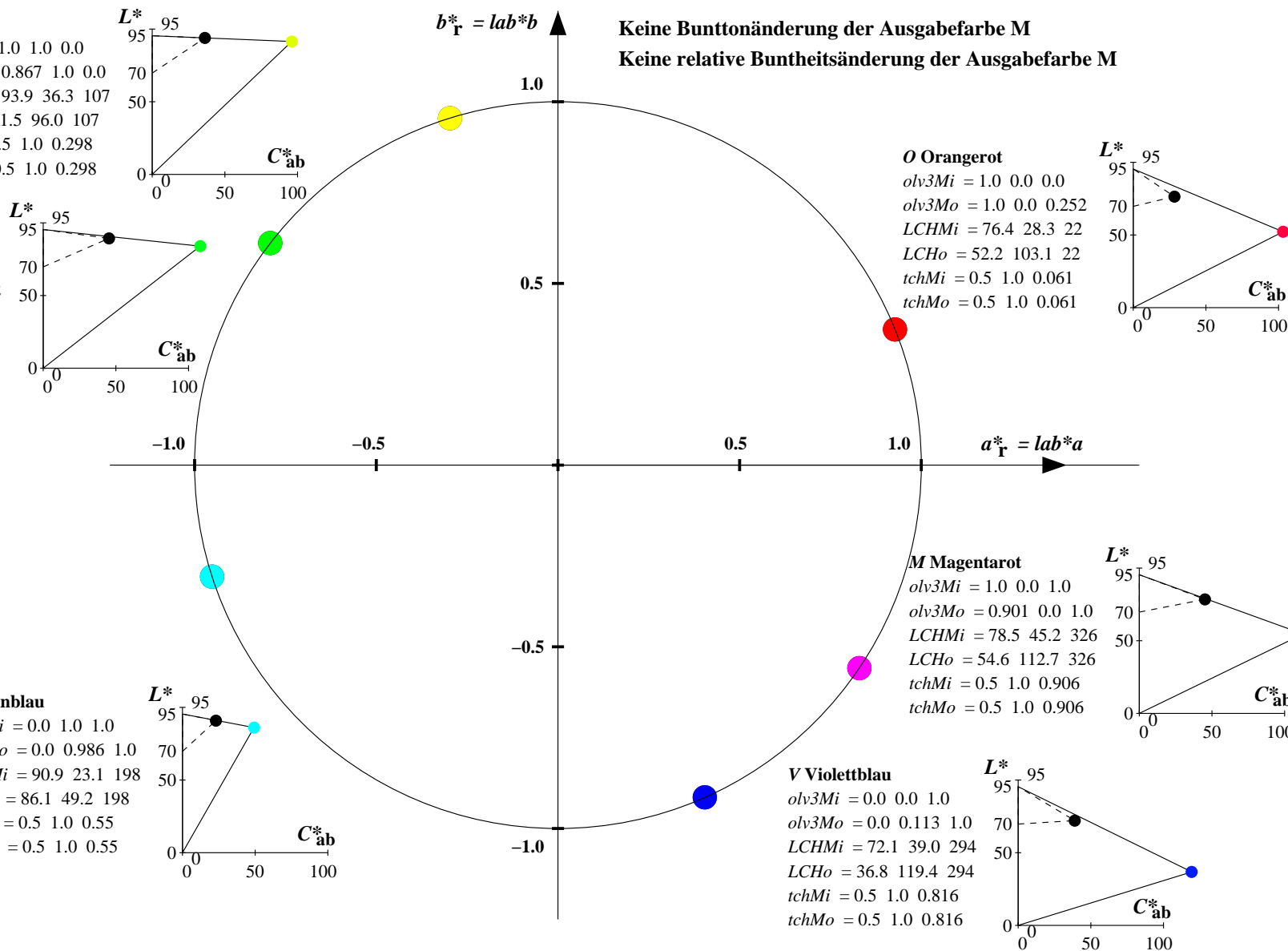
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.901 0.0 1.0
LCHMi = 78.5 45.2 326
LCHo = 54.6 112.7 326
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.906

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.252
LCHMi = 76.4 28.3 22
LCHo = 52.2 103.1 22
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.061

Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und **absolutes CIELAB Bunttondreiecks-Diagramm:** (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) TLS00: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (40.0, 102.8, 136.0, 196.4, 306.3, 328.2); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.565 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 88.7 102.6 117
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.326

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.271
LCHMi = 89.3 45.2 142
LCHo = 84.5 96.9 152
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.423

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.895 1.0
LCHMi = 90.9 23.1 198
LCHo = 81.0 56.5 208
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.577

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.113
LCHMi = 76.4 28.3 22
LCHo = 51.3 101.6 32
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.089

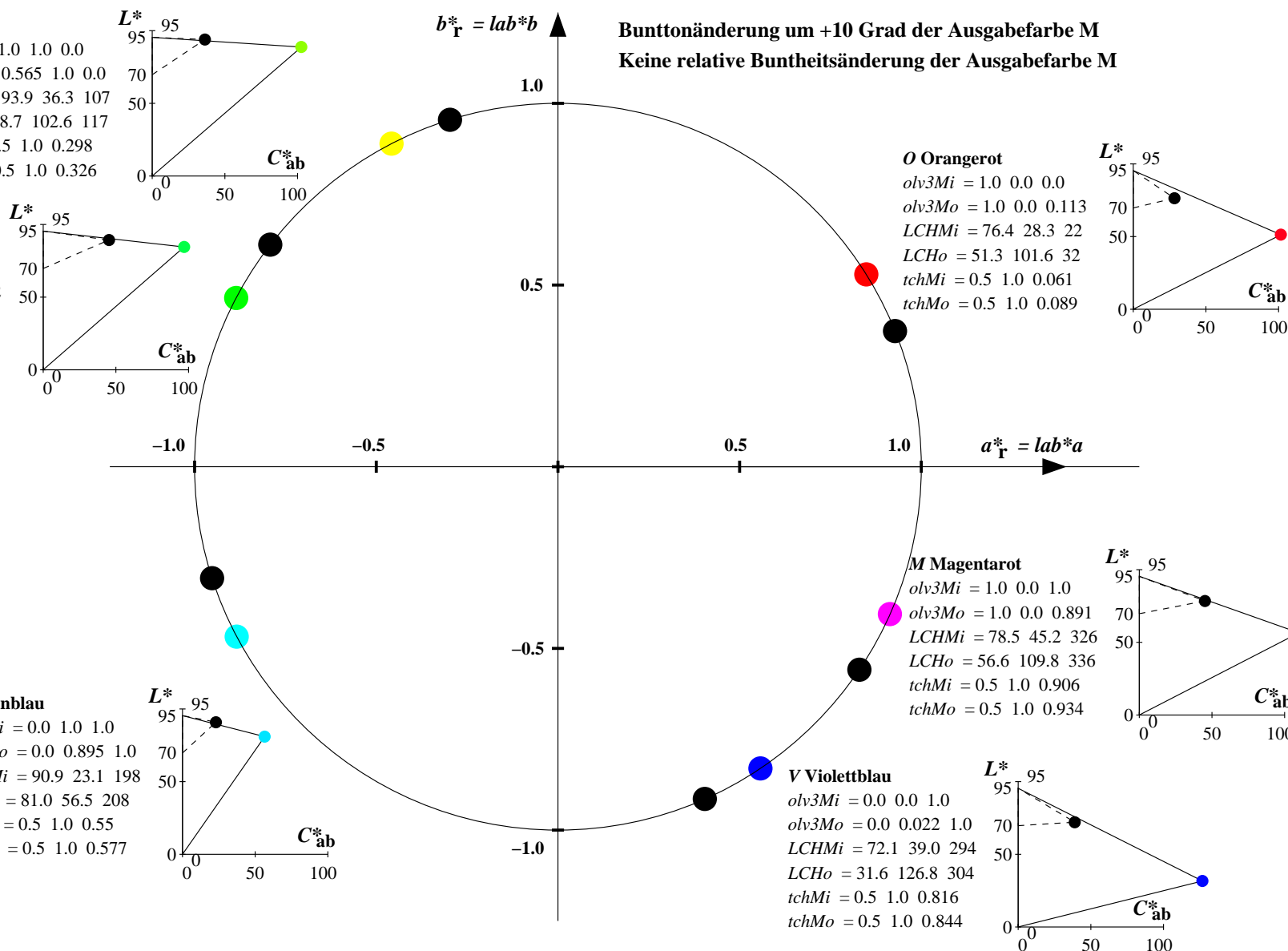
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.891
LCHMi = 78.5 45.2 326
LCHo = 56.6 109.8 336
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.934

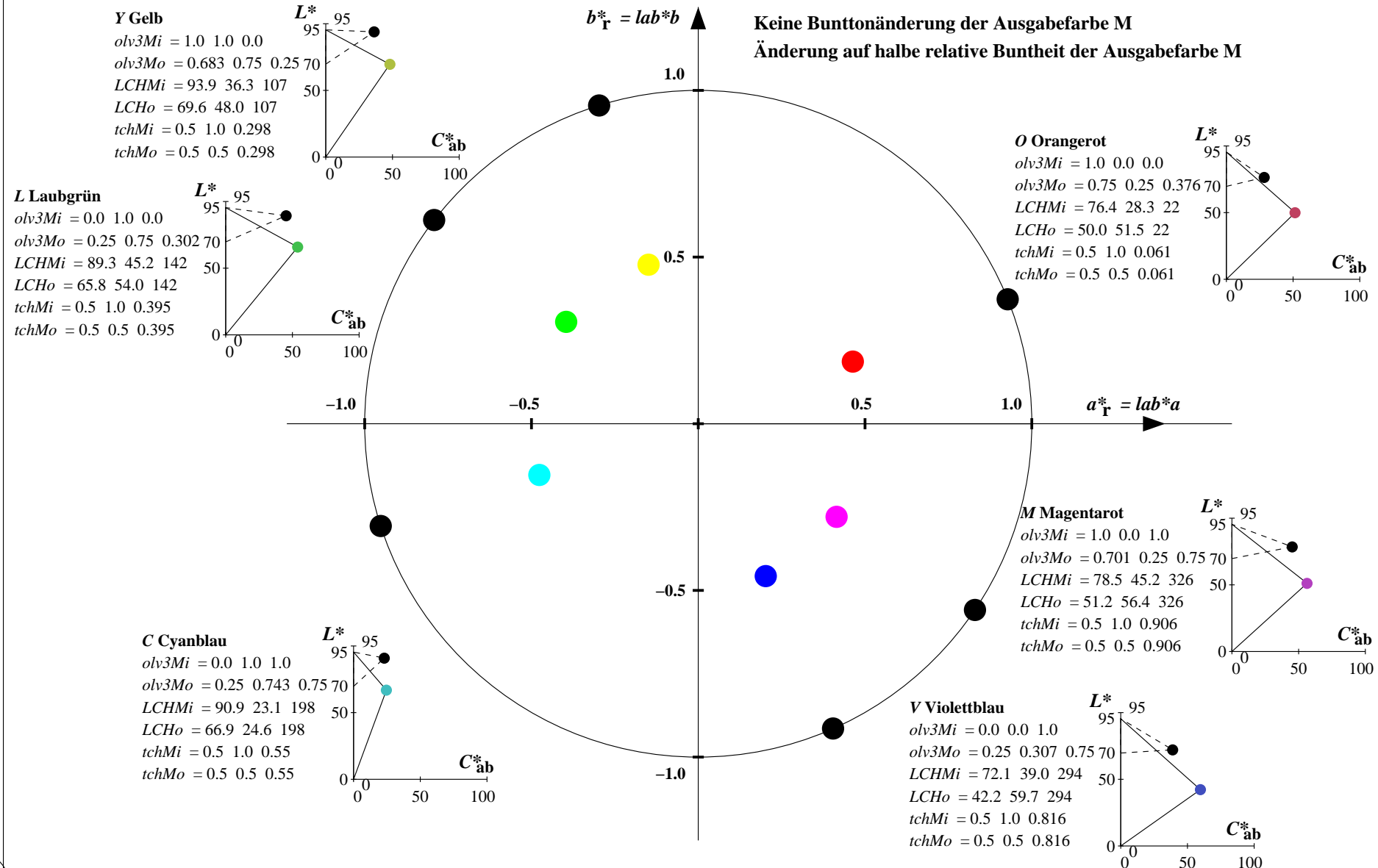
V Violettblau

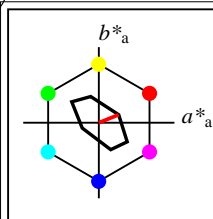
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.0 0.022 1.0
LCHMi = 72.1 39.0 294
LCHo = 31.6 126.8 304
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.844

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



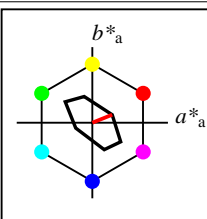
Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) TLS00: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (40.0, 102.8, 136.0, 196.4, 306.3, 328.2); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)





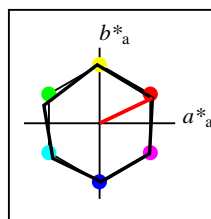
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _M | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _M | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _M | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _M | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _M | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _M | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _M | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _M | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

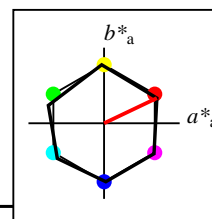
| TLS70a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

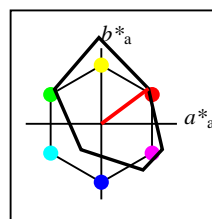
| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



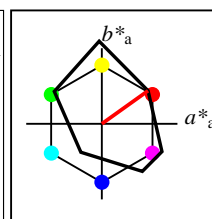
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 115$
%Regularität
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 38$

| FRS06a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 32.57 | 62.32 | 46.49 | 77.75 | 37 |
| Y _{Ma} | 82.73 | -3.16 | 113.99 | 114.03 | 92 |
| L _{Ma} | 39.43 | -61.79 | 45.84 | 76.95 | 143 |
| C _{Ma} | 47.86 | -26.79 | -34.24 | 43.49 | 232 |
| V _{Ma} | 10.16 | 55.12 | -61.03 | 82.24 | 312 |
| M _{Ma} | 34.5 | 80.68 | -33.92 | 87.52 | 337 |
| N _{Ma} | 6.25 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 91.97 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 59.8 | 31.05 | 67.38 | 27 |
| J _{CIE} | 81.26 | -2.52 | 76.25 | 76.29 | 92 |
| G _{CIE} | 52.23 | -41.56 | 17.14 | 44.96 | 158 |
| B _{CIE} | 30.57 | 2.63 | -43.77 | 43.86 | 273 |



%Umfang
 $u^*_{rel} = 114$
%Regularität
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 43$

| FRS06 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _M | 32.57 | 61.14 | 43.72 | 75.16 | 36 |
| Y _M | 82.73 | -3.5 | 109.24 | 109.3 | 92 |
| L _M | 39.43 | -62.86 | 42.8 | 76.06 | 146 |
| C _M | 47.86 | -27.72 | -37.61 | 46.74 | 234 |
| V _M | 10.16 | 53.56 | -62.91 | 82.63 | 310 |
| M _M | 34.5 | 79.53 | -36.76 | 87.62 | 335 |
| N _M | 6.25 | -1.62 | -1.72 | 2.38 | 227 |
| W _M | 91.97 | -0.17 | -5.1 | 5.11 | 268 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C^*_{ab}) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) FRS06: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (36.7, 91.6, 143.4, 232.0, 312.1, 337.2); Vier Bunttonwinkel der Elementarfarben: (27.4, 91.9, 157.6, 273.4)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.698 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 69.6 102.8 107
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.298

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.021 1.0 0.0
LCHMi = 89.3 45.2 142
LCHo = 40.3 77.7 142
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.395

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.615
LCHMi = 90.9 23.1 198
LCHo = 44.6 56.4 198
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.55

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.0 0.228 1.0
LCHMi = 72.1 39.0 294
LCHo = 18.7 73.4 294
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.816

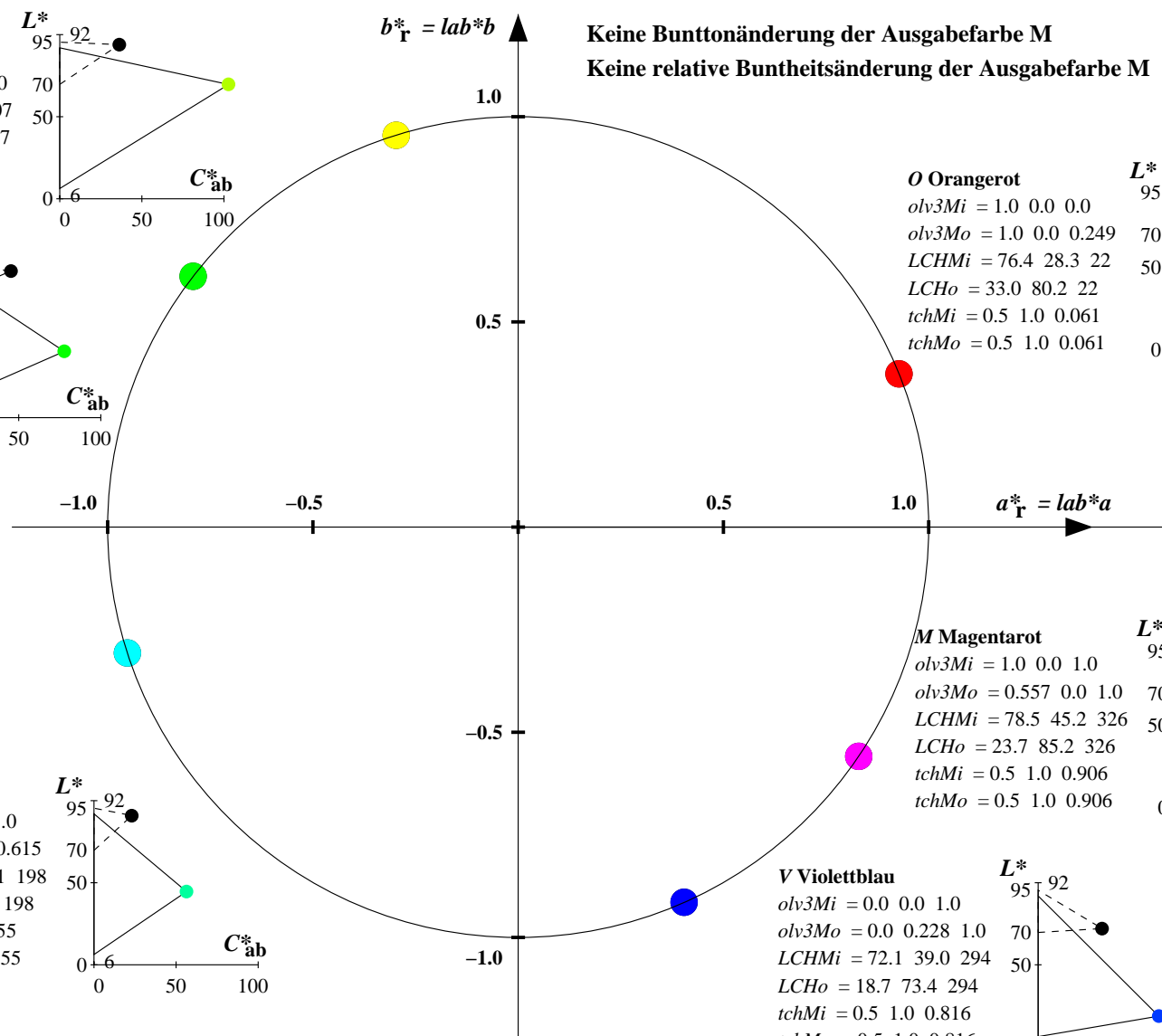
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.557 0.0 1.0
LCHMi = 78.5 45.2 326
LCHo = 23.7 85.2 326
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.906

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.249
LCHMi = 76.4 28.3 22
LCHo = 33.0 80.2 22
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.061

Keine Bunttonänderung der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) FRS06: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (36.7, 91.6, 143.4, 232.0, 312.1, 337.2); Vier Bunttonwinkel der Elementarfarben: (27.4, 91.9, 157.6, 273.4)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.504 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 61.3 95.7 117
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.326

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.101
LCHMi = 89.3 45.2 142
LCHo = 40.3 73.6 152
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.423

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.728
LCHMi = 90.9 23.1 198
LCHo = 45.6 52.6 208
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.577

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.081
LCHMi = 76.4 28.3 22
LCHo = 32.7 78.5 32
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.089

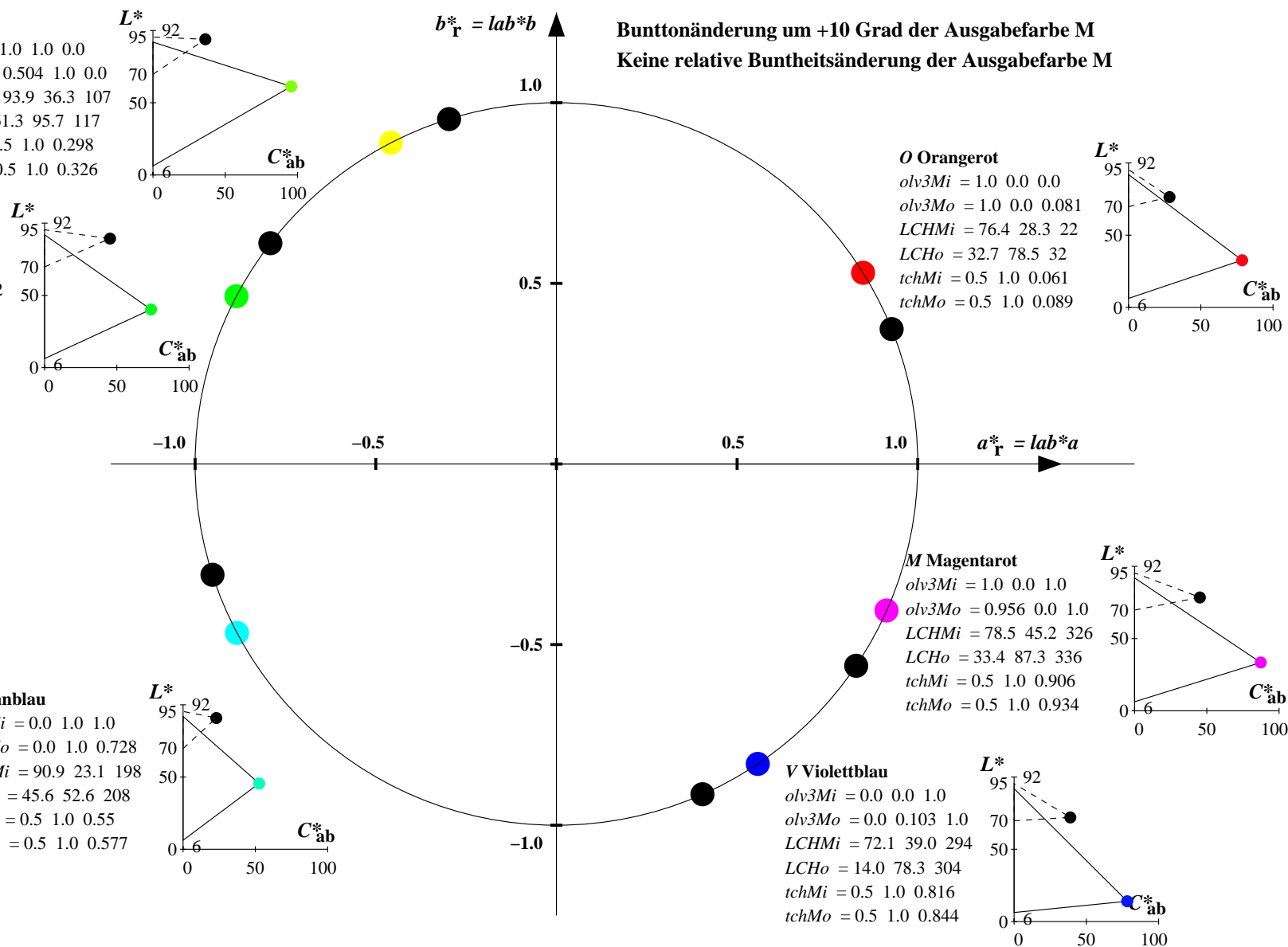
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.956 0.0 1.0
LCHMi = 78.5 45.2 326
LCHo = 33.4 87.3 336
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.934

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.0 0.103 1.0
LCHMi = 72.1 39.0 294
LCHo = 14.0 78.3 304
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.844

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) FRS06: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (36.7, 91.6, 143.4, 232.0, 312.1, 337.2); Vier Bunttonwinkel der Elementarfarben: (27.4, 91.9, 157.6, 273.4)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.599 0.75 0.25
LCHMi = 93.9 36.3 107
LCHo = 57.8 51.4 107
tchMi = 0.5 1.0 0.298
tchMo = 0.5 0.5 0.298

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.261 0.75 0.25
LCHMi = 89.3 45.2 142
LCHo = 43.2 38.9 142
tchMi = 0.5 1.0 0.395
tchMo = 0.5 0.5 0.395

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.75 0.557
LCHMi = 90.9 23.1 198
LCHo = 45.3 28.2 198
tchMi = 0.5 1.0 0.55
tchMo = 0.5 0.5 0.55

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.25 0.364 0.75
LCHMi = 72.1 39.0 294
LCHo = 32.4 36.7 294
tchMi = 0.5 1.0 0.816
tchMo = 0.5 0.5 0.816

M Magentarot

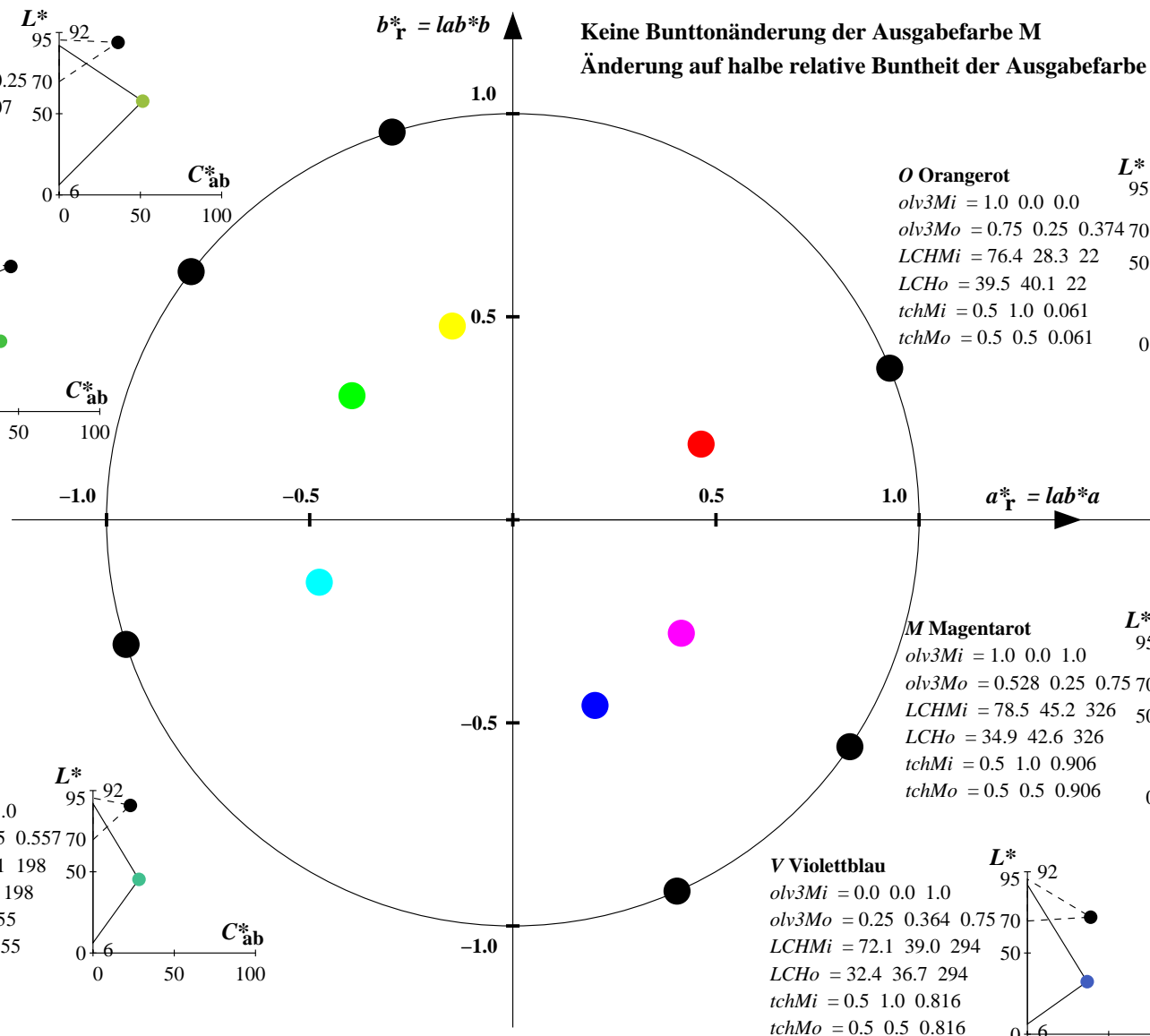
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.528 0.25 0.75
LCHMi = 78.5 45.2 326
LCHo = 34.9 42.6 326
tchMi = 0.5 1.0 0.906
tchMo = 0.5 0.5 0.906

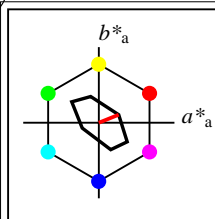
O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.25 0.374
LCHMi = 76.4 28.3 22
LCHo = 39.5 40.1 22
tchMi = 0.5 1.0 0.061
tchMo = 0.5 0.5 0.061

Keine Bunttonänderung der Ausgabefarbe M

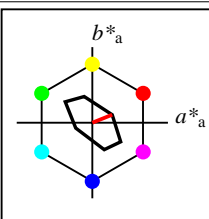
Änderung auf halbe relative Buntheit der Ausgabefarbe M





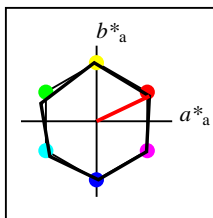
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

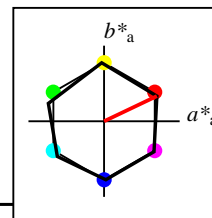
| TLS70a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

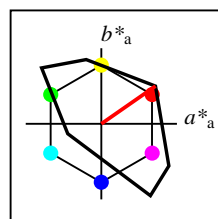
| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



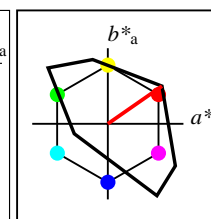
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 118$
%Regularität
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

| TLS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 52.76 | 71.63 | 49.88 | 87.29 | 35 |
| Y _{Ma} | 92.74 | -20.02 | 84.97 | 87.3 | 103 |
| L _{Ma} | 84.0 | -78.98 | 73.94 | 108.2 | 137 |
| C _{Ma} | 87.14 | -44.41 | -13.11 | 46.32 | 196 |
| V _{Ma} | 35.47 | 64.92 | -95.06 | 115.12 | 304 |
| M _{Ma} | 59.01 | 89.33 | -55.67 | 105.26 | 328 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 118$
%Regularität
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

| TLS18 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _M | 52.76 | 71.63 | 49.88 | 87.29 | 35 |
| Y _M | 92.74 | -20.02 | 84.97 | 87.3 | 103 |
| L _M | 84.0 | -78.98 | 73.94 | 108.2 | 137 |
| C _M | 87.14 | -44.41 | -13.11 | 46.32 | 196 |
| V _M | 35.47 | 64.92 | -95.06 | 115.12 | 304 |
| M _M | 59.01 | 89.33 | -55.67 | 105.26 | 328 |
| N _M | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _M | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*b$) und **absolutes CIELAB Bunttondreiecks-Diagramm:** (L^* , C^*_{ab}) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
TLS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (34.9, 103.3, 136.9, 196.5, 304.3, 328.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

$olv3Mi = 1.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.881 \ 1.0 \ 0.0$
 $LCHMi = 93.9 \ 36.3 \ 107$
 $LCHo = 91.7 \ 89.8 \ 107$
 $tchMi = 0.5 \ 1.0 \ 0.298$
 $tchMo = 0.5 \ 1.0 \ 0.298$

L Laubgrün

$olv3Mi = 0.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.0 \ 1.0 \ 0.091$
 $LCHMi = 89.3 \ 45.2 \ 142$
 $LCHo = 84.3 \ 102.5 \ 142$
 $tchMi = 0.5 \ 1.0 \ 0.395$
 $tchMo = 0.5 \ 1.0 \ 0.395$

C Cyanblau

$olv3Mi = 0.0 \ 1.0 \ 1.0$
 $olv3Mo = 0.0 \ 0.987 \ 1.0$
 $LCHMi = 90.9 \ 23.1 \ 198$
 $LCHo = 86.5 \ 47.2 \ 198$
 $tchMi = 0.5 \ 1.0 \ 0.55$
 $tchMo = 0.5 \ 1.0 \ 0.55$

V Violettblau

$olv3Mi = 0.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.0 \ 0.097 \ 1.0$
 $LCHMi = 72.1 \ 39.0 \ 294$
 $LCHo = 40.5 \ 108.4 \ 294$
 $tchMi = 0.5 \ 1.0 \ 0.816$
 $tchMo = 0.5 \ 1.0 \ 0.816$

M Magentarot

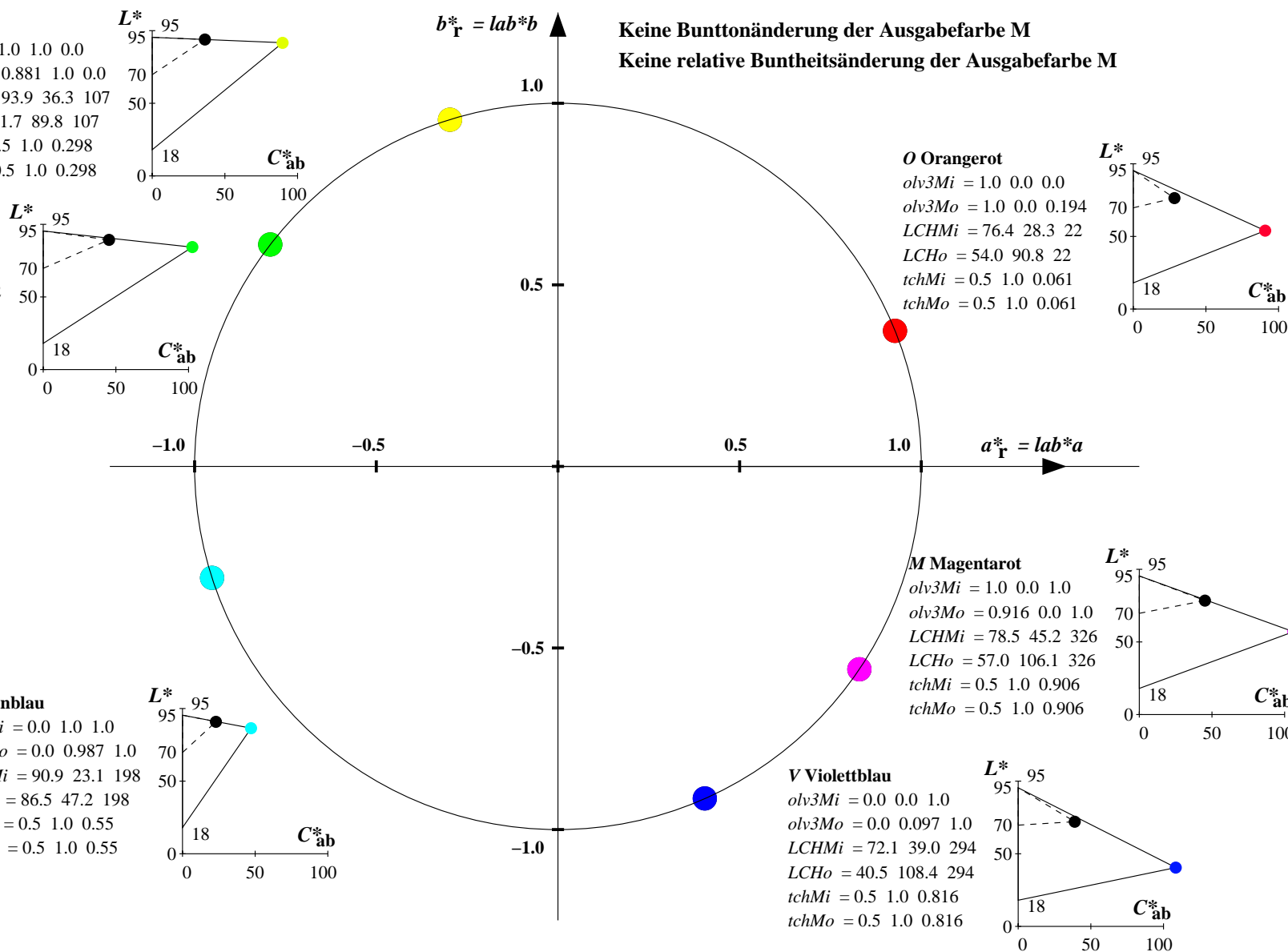
$olv3Mi = 1.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.916 \ 0.0 \ 1.0$
 $LCHMi = 78.5 \ 45.2 \ 326$
 $LCHo = 57.0 \ 106.1 \ 326$
 $tchMi = 0.5 \ 1.0 \ 0.906$
 $tchMo = 0.5 \ 1.0 \ 0.906$

O Orangerot

$olv3Mi = 1.0 \ 0.0 \ 0.0$
 $olv3Mo = 1.0 \ 0.0 \ 0.194$
 $LCHMi = 76.4 \ 28.3 \ 22$
 $LCHo = 54.0 \ 90.8 \ 22$
 $tchMi = 0.5 \ 1.0 \ 0.061$
 $tchMo = 0.5 \ 1.0 \ 0.061$

Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und **absolutes CIELAB Bunttondreiecks-Diagramm:** (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
TLS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (34.9, 103.3, 136.9, 196.5, 304.3, 328.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

$olv3Mi = 1.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.583 \ 1.0 \ 0.0$
 $LCHMi = 93.9 \ 36.3 \ 107$
 $LCHo = 89.1 \ 96.0 \ 117$
 $tchMi = 0.5 \ 1.0 \ 0.298$
 $tchMo = 0.5 \ 1.0 \ 0.326$

L Laubgrün

$olv3Mi = 0.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.0 \ 1.0 \ 0.259$
 $LCHMi = 89.3 \ 45.2 \ 142$
 $LCHo = 84.8 \ 92.1 \ 152$
 $tchMi = 0.5 \ 1.0 \ 0.395$
 $tchMo = 0.5 \ 1.0 \ 0.423$

C Cyanblau

$olv3Mi = 0.0 \ 1.0 \ 1.0$
 $olv3Mo = 0.0 \ 0.894 \ 1.0$
 $LCHMi = 90.9 \ 23.1 \ 198$
 $LCHo = 81.7 \ 53.6 \ 208$
 $tchMi = 0.5 \ 1.0 \ 0.55$
 $tchMo = 0.5 \ 1.0 \ 0.577$

O Orangerot

$olv3Mi = 1.0 \ 0.0 \ 0.0$
 $olv3Mo = 1.0 \ 0.0 \ 0.044$
 $LCHMi = 76.4 \ 28.3 \ 22$
 $LCHo = 53.0 \ 88.1 \ 32$
 $tchMi = 0.5 \ 1.0 \ 0.061$
 $tchMo = 0.5 \ 1.0 \ 0.089$

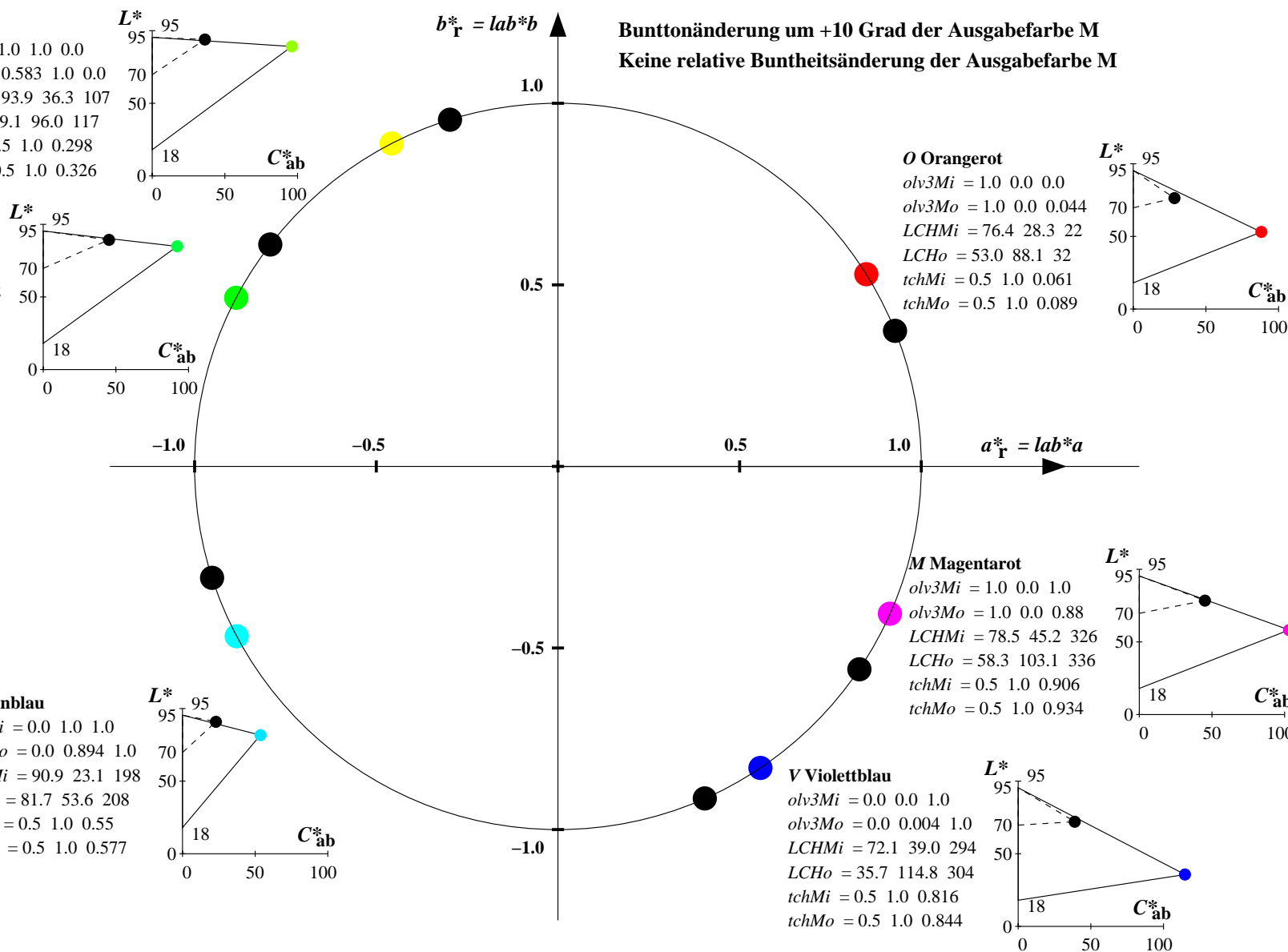
M Magentarot

$olv3Mi = 1.0 \ 0.0 \ 1.0$
 $olv3Mo = 1.0 \ 0.0 \ 0.88$
 $LCHMi = 78.5 \ 45.2 \ 326$
 $LCHo = 58.3 \ 103.1 \ 336$
 $tchMi = 0.5 \ 1.0 \ 0.906$
 $tchMo = 0.5 \ 1.0 \ 0.934$

V Violettblau

$olv3Mi = 0.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.0 \ 0.004 \ 1.0$
 $LCHMi = 72.1 \ 39.0 \ 294$
 $LCHo = 35.7 \ 114.8 \ 304$
 $tchMi = 0.5 \ 1.0 \ 0.816$
 $tchMo = 0.5 \ 1.0 \ 0.844$

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) TLS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (34.9, 103.3, 136.9, 196.5, 304.3, 328.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.69 0.75 0.25
LCHMi = 93.9 36.3 107
LCHo = 69.7 44.9 107
tchMi = 0.5 1.0 0.298
tchMo = 0.5 0.5 0.298

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.25 0.75 0.296
LCHMi = 89.3 45.2 142
LCHo = 66.0 51.3 142
tchMi = 0.5 1.0 0.395
tchMo = 0.5 0.5 0.395

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.743 0.75
LCHMi = 90.9 23.1 198
LCHo = 67.1 23.6 198
tchMi = 0.5 1.0 0.55
tchMo = 0.5 0.5 0.55

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.25 0.299 0.75
LCHMi = 72.1 39.0 294
LCHo = 44.1 54.2 294
tchMi = 0.5 1.0 0.816
tchMo = 0.5 0.5 0.816

M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.708 0.25 0.75
LCHMi = 78.5 45.2 326
LCHo = 52.4 53.0 326
tchMi = 0.5 1.0 0.906
tchMo = 0.5 0.5 0.906

O Orangerot

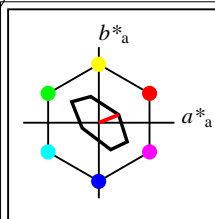
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.25 0.347
LCHMi = 76.4 28.3 22
LCHo = 50.8 45.4 22
tchMi = 0.5 1.0 0.061
tchMo = 0.5 0.5 0.061

Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

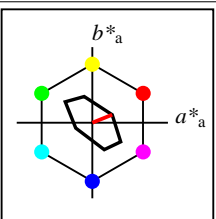
Siehe ähnliche Dateien: <http://www.ps.bam.de/YG67/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20061101-YG67/10L/L67G70FP.PS/.PDF BAM-Material: Code=rh4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen
/YG67/ Form: 168, Serie: 1/1, Seite: 16 Seite 16/32



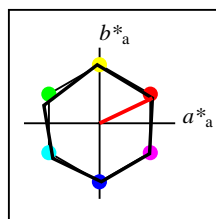
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | | | | | |
|------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

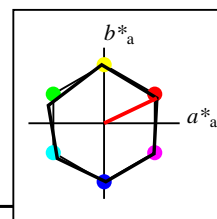
| TLS70a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

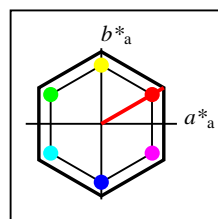
| NRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



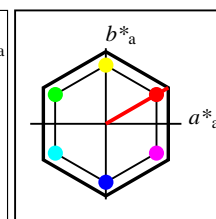
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 152$
%Regularität
 $g^*_{H,rel} = 100$
 $g^*_{C,rel} = 100$

| NLS00a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 31.81 | 82.62 | 47.7 | 95.4 | 30 |
| Y _{Ma} | 63.61 | 0.0 | 95.4 | 95.4 | 90 |
| L _{Ma} | 31.81 | -82.61 | 47.7 | 95.4 | 150 |
| C _{Ma} | 63.61 | -82.61 | -47.69 | 95.4 | 210 |
| V _{Ma} | 31.81 | 0.0 | -95.39 | 95.4 | 270 |
| M _{Ma} | 63.61 | 82.62 | -47.69 | 95.4 | 330 |
| N _{Ma} | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 152$
%Regularität
 $g^*_{H,rel} = 100$
 $g^*_{C,rel} = 100$

| NLS00 | | | | | |
|------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _M | 31.81 | 82.62 | 47.7 | 95.4 | 30 |
| Y _M | 63.61 | 0.0 | 95.4 | 95.4 | 90 |
| L _M | 31.81 | -82.61 | 47.7 | 95.4 | 150 |
| C _M | 63.61 | -82.61 | -47.69 | 95.4 | 210 |
| V _M | 31.81 | 0.0 | -95.39 | 95.4 | 270 |
| M _M | 63.61 | 82.62 | -47.69 | 95.4 | 330 |
| N _M | 0.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _M | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) NLS00: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.712 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 54.5 95.4 107
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.298

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.128 1.0 0.0
LCHMi = 89.3 45.2 142
LCHo = 35.9 95.4 142
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.395

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.798
LCHMi = 90.9 23.1 198
LCHo = 57.2 95.4 198
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.55

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.398 0.0 1.0
LCHMi = 72.1 39.0 294
LCHo = 44.5 95.4 294
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.816

M Magentarot

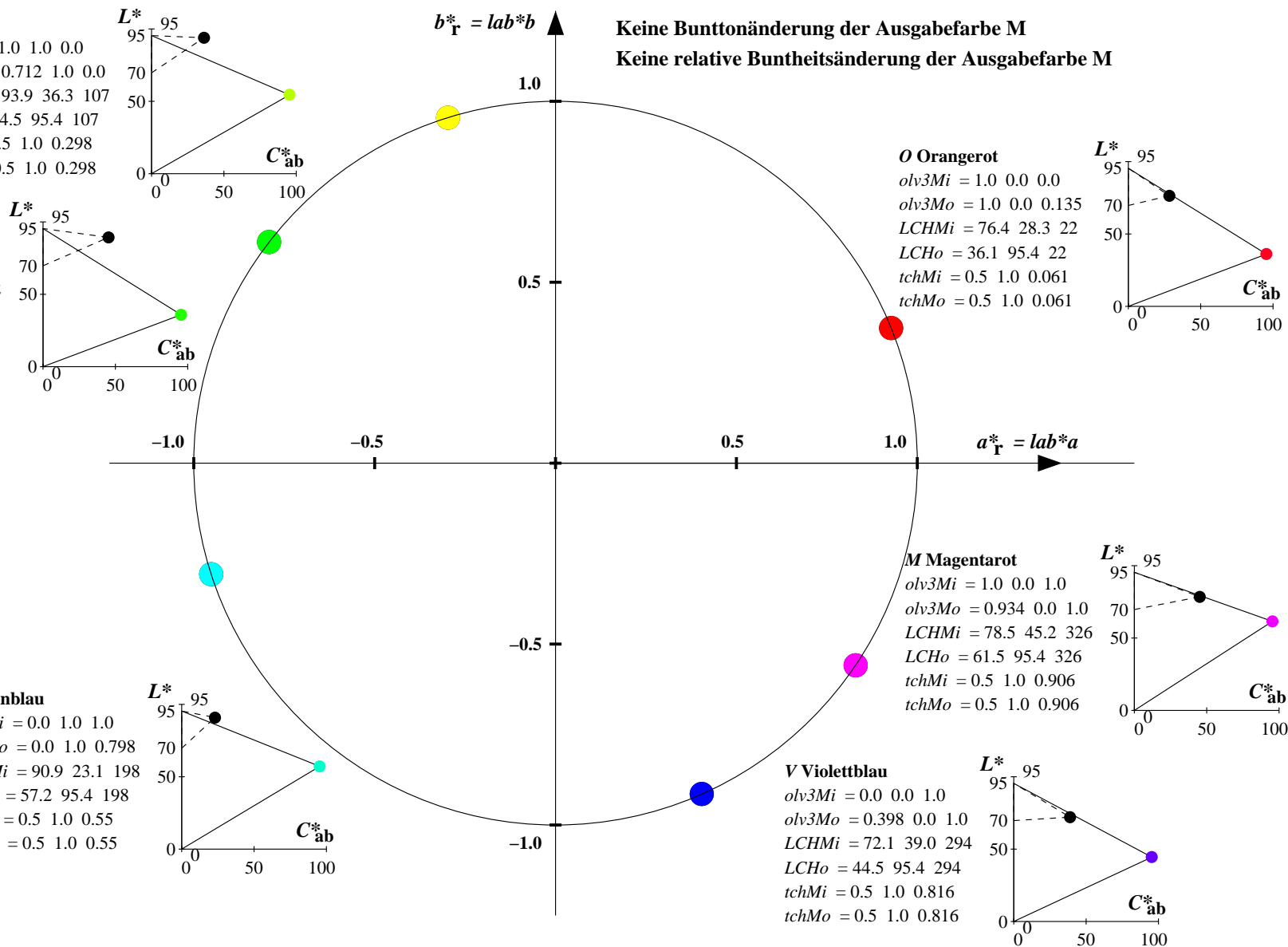
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.934 0.0 1.0
LCHMi = 78.5 45.2 326
LCHo = 61.5 95.4 326
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.906

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.135
LCHMi = 76.4 28.3 22
LCHo = 36.1 95.4 22
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.061

Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) NLS00: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.545 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 49.1 95.4 117
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.326

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.039
LCHMi = 89.3 45.2 142
LCHo = 33.1 95.4 152
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.423

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.965
LCHMi = 90.9 23.1 198
LCHo = 62.5 95.4 208
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.577

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.032 0.0
LCHMi = 76.4 28.3 22
LCHo = 32.8 95.4 32
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.089

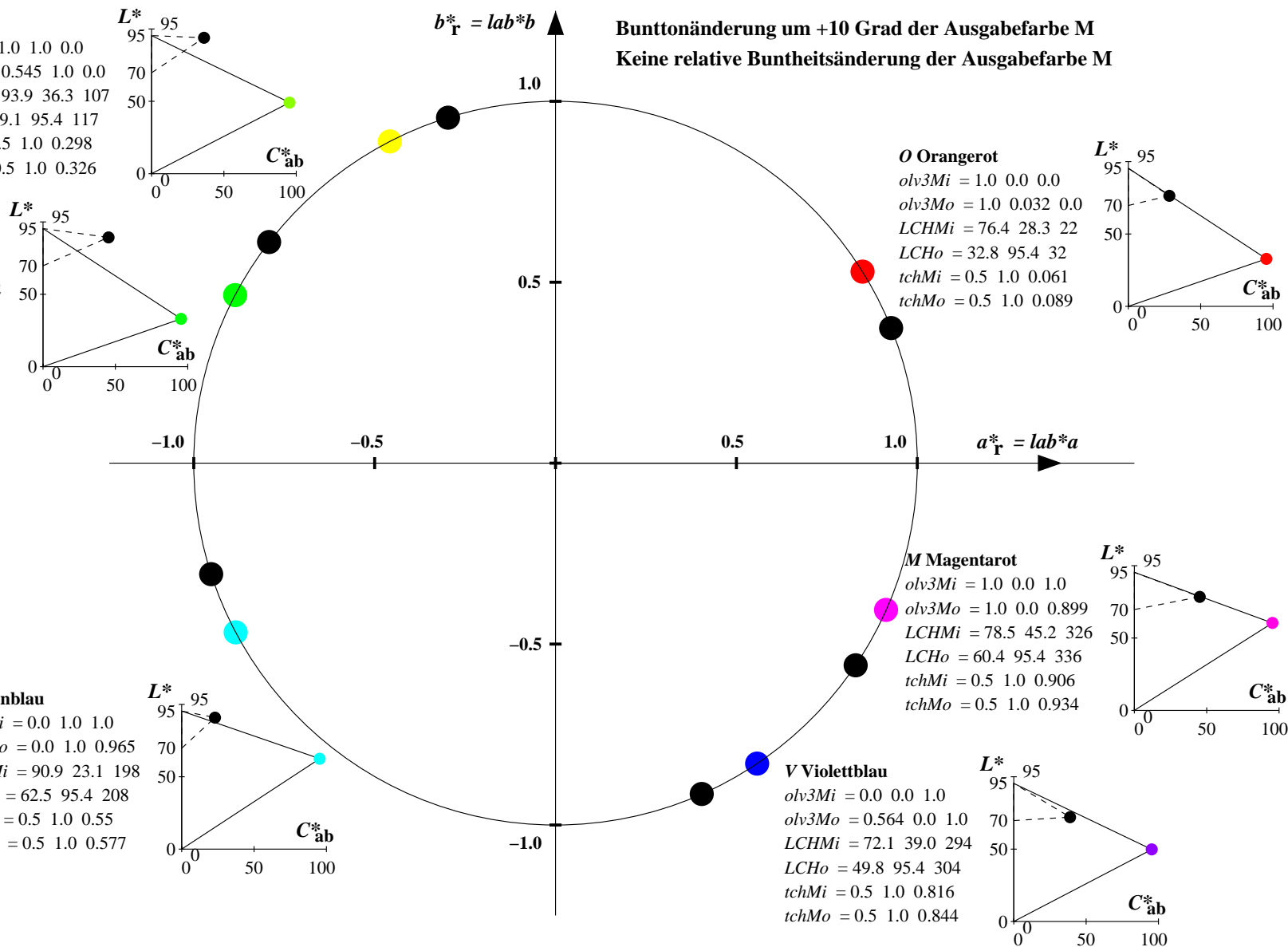
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.899
LCHMi = 78.5 45.2 326
LCHo = 60.4 95.4 336
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.934

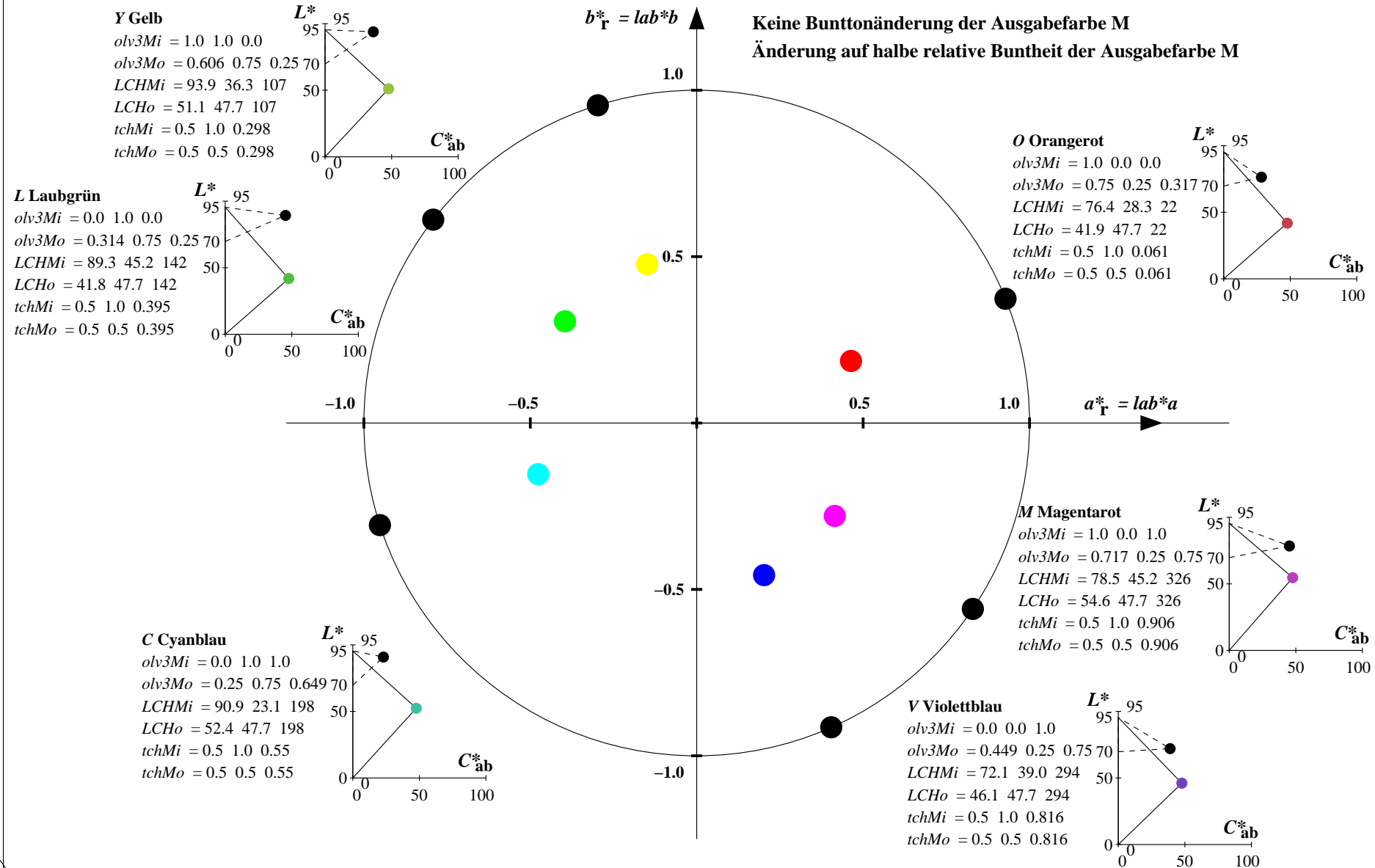
V Violettblau

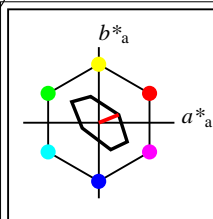
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.564 0.0 1.0
LCHMi = 72.1 39.0 294
LCHo = 49.8 95.4 304
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.844

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



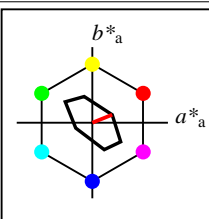
Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und **absolutes CIELAB Bunttondreiecks-Diagramm:** (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
NLS00: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)





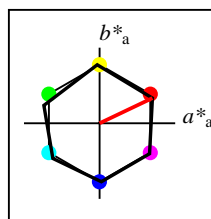
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | | | | | |
|------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

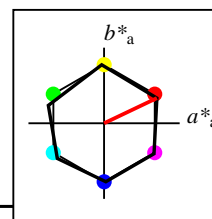
| TLS70a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

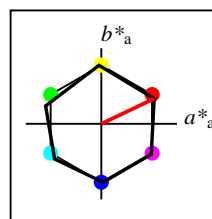
| NRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



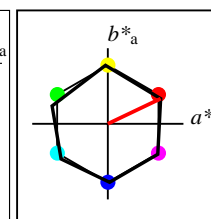
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18 | | | | | |
|------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _M | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _M | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _M | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _M | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _M | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _M | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _M | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _M | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C^*_{ab}) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
NRS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (25.5, 92.3, 162.2, 217.0, 271.7, 328.6); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

$olv3Mi = 1.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.786 \ 1.0 \ 0.0$
 $LCHMi = 93.9 \ 36.3 \ 107$
 $LCHo = 56.7 \ 77.4 \ 107$
 $tchMi = 0.5 \ 1.0 \ 0.298$
 $tchMo = 0.5 \ 1.0 \ 0.298$

L Laubgrün

$olv3Mi = 0.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.284 \ 1.0 \ 0.0$
 $LCHMi = 89.3 \ 45.2 \ 142$
 $LCHo = 56.7 \ 77.4 \ 142$
 $tchMi = 0.5 \ 1.0 \ 0.395$
 $tchMo = 0.5 \ 1.0 \ 0.395$

C Cyanblau

$olv3Mi = 0.0 \ 1.0 \ 1.0$
 $olv3Mo = 0.0 \ 1.0 \ 0.651$
 $LCHMi = 90.9 \ 23.1 \ 198$
 $LCHo = 56.7 \ 77.4 \ 198$
 $tchMi = 0.5 \ 1.0 \ 0.55$
 $tchMo = 0.5 \ 1.0 \ 0.55$

V Violettblau

$olv3Mi = 0.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.389 \ 0.0 \ 1.0$
 $LCHMi = 72.1 \ 39.0 \ 294$
 $LCHo = 56.7 \ 77.4 \ 294$
 $tchMi = 0.5 \ 1.0 \ 0.816$
 $tchMo = 0.5 \ 1.0 \ 0.816$

M Magentarot

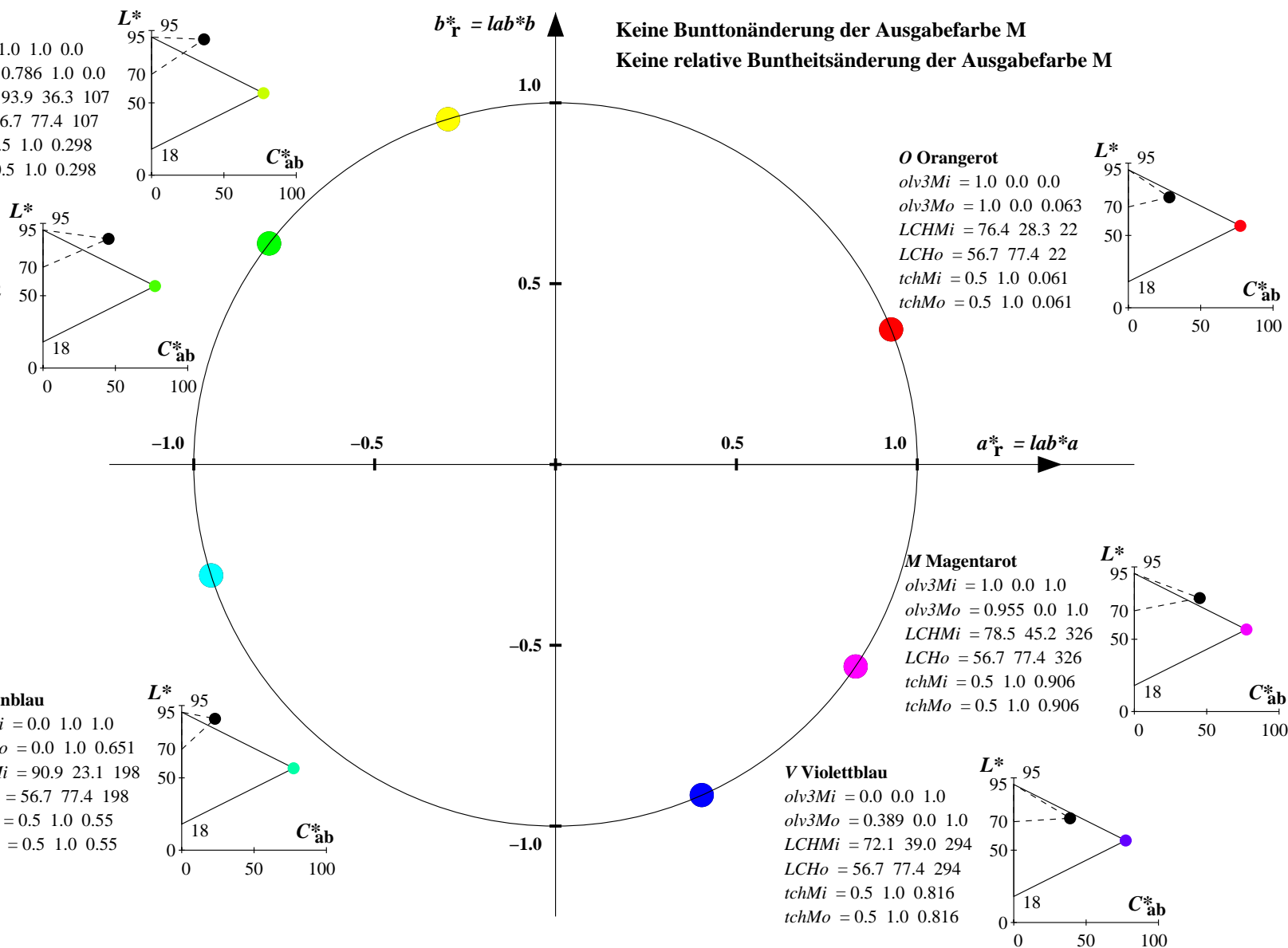
$olv3Mi = 1.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.955 \ 0.0 \ 1.0$
 $LCHMi = 78.5 \ 45.2 \ 326$
 $LCHo = 56.7 \ 77.4 \ 326$
 $tchMi = 0.5 \ 1.0 \ 0.906$
 $tchMo = 0.5 \ 1.0 \ 0.906$

O Orangerot

$olv3Mi = 1.0 \ 0.0 \ 0.0$
 $olv3Mo = 1.0 \ 0.0 \ 0.063$
 $LCHMi = 76.4 \ 28.3 \ 22$
 $LCHo = 56.7 \ 77.4 \ 22$
 $tchMi = 0.5 \ 1.0 \ 0.061$
 $tchMo = 0.5 \ 1.0 \ 0.061$

Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a^*_R = lab^*a$, $b^*_R = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C^*_{ab}) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) NRS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (25.5, 92.3, 162.2, 217.0, 271.7, 328.6); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.643 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 56.7 77.4 117
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.326

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.141 1.0 0.0
LCHMi = 89.3 45.2 142
LCHo = 56.7 77.4 152
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.423

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.834
LCHMi = 90.9 23.1 198
LCHo = 56.7 77.4 208
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.577

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.097 0.0
LCHMi = 76.4 28.3 22
LCHo = 56.7 77.4 32
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.089

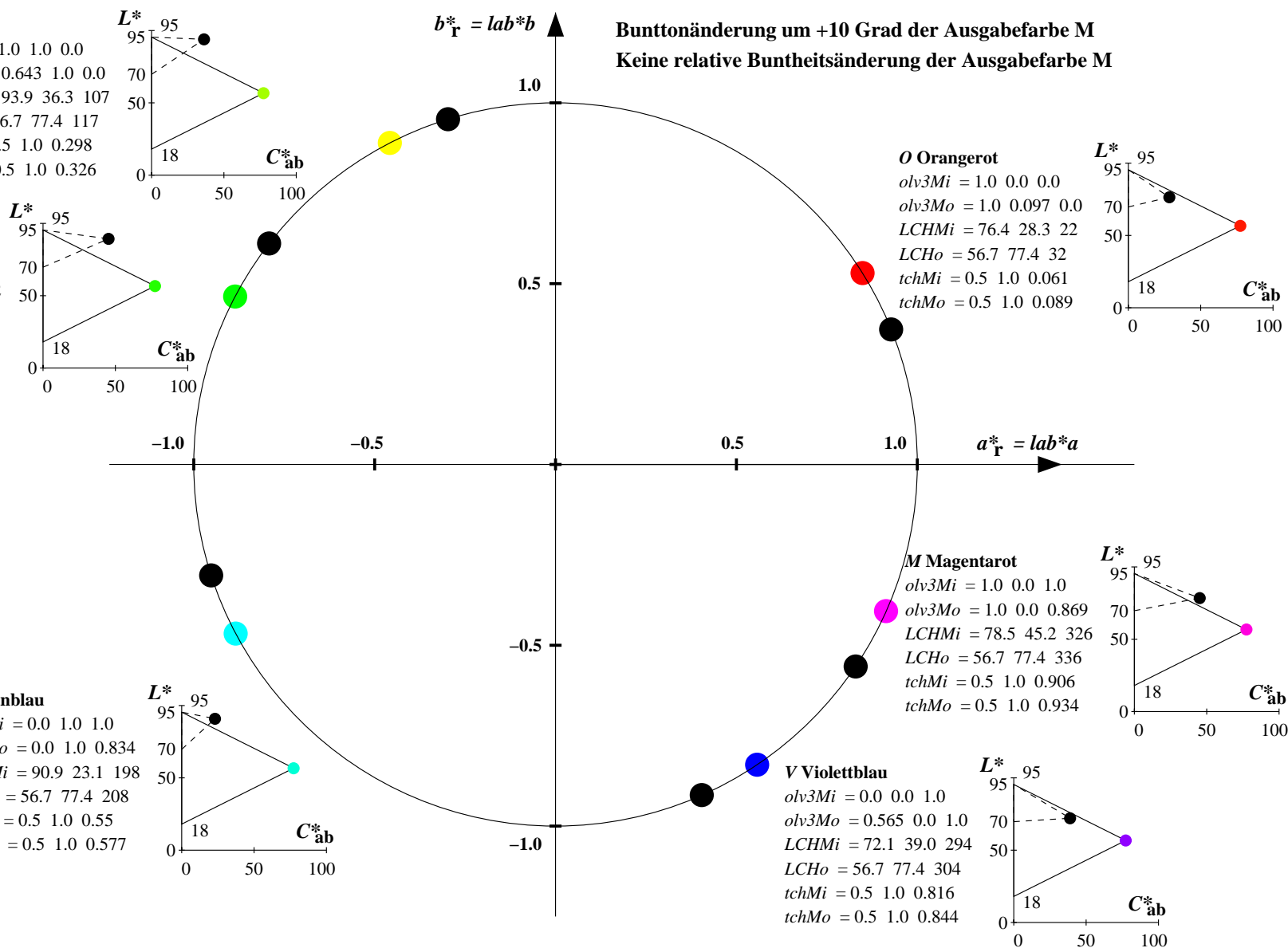
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.869
LCHMi = 78.5 45.2 326
LCHo = 56.7 77.4 336
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.934

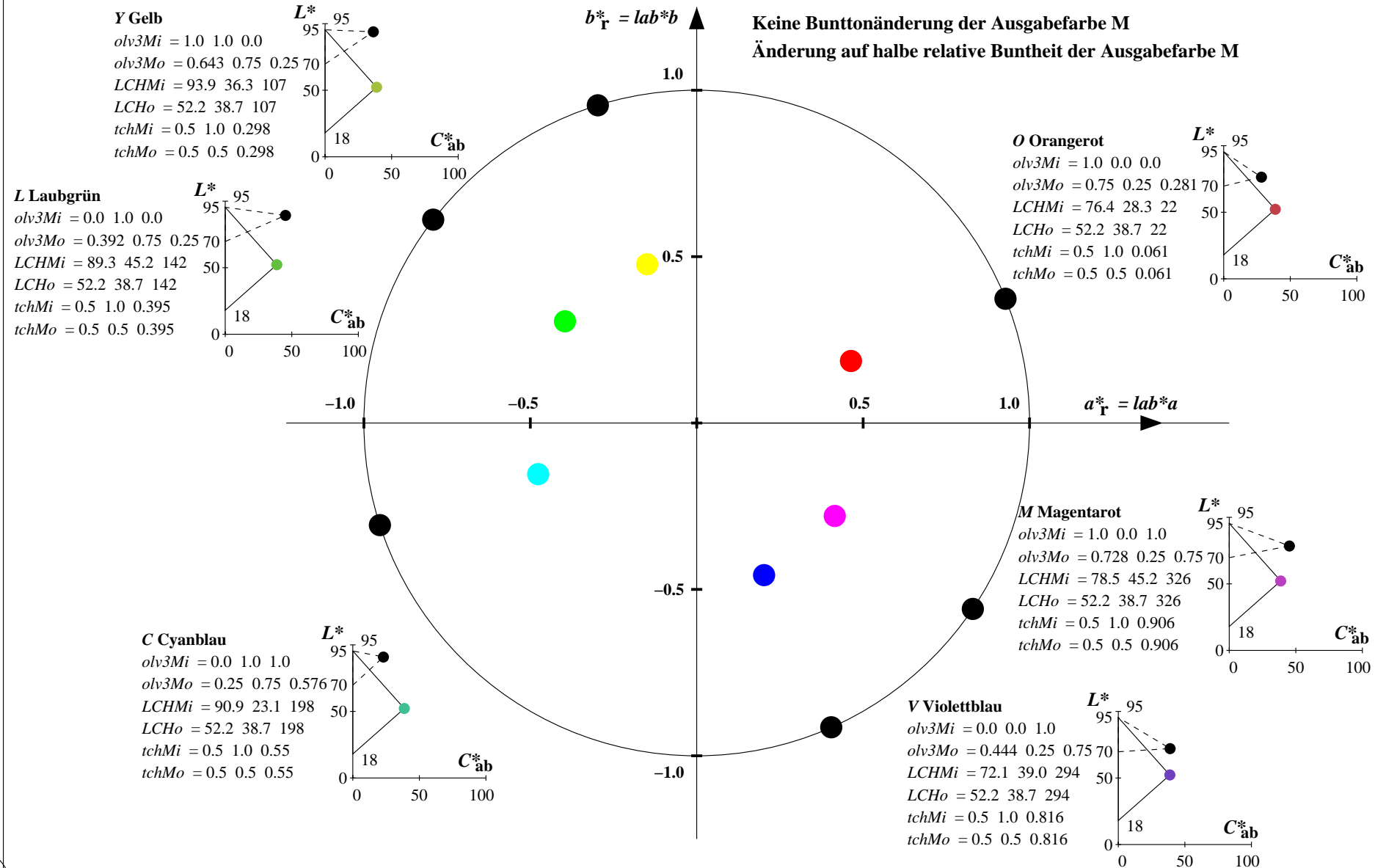
V Violettblau

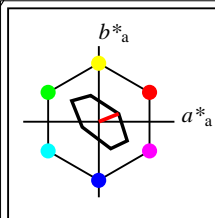
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.565 0.0 1.0
LCHMi = 72.1 39.0 294
LCHo = 56.7 77.4 304
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.844

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



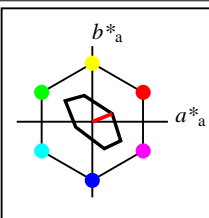
Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und **absolutes CIELAB Bunttondreiecks-Diagramm:** (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
NRS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (25.5, 92.3, 162.2, 217.0, 271.7, 328.6); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)





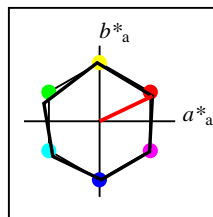
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | | | | | |
|------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

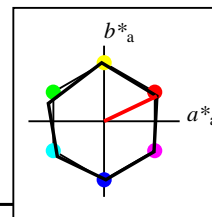
| TLS70a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

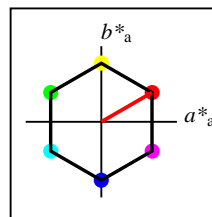
| NRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



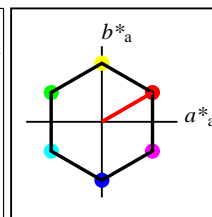
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



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

| SRS18a; adaptierte CIELAB-Daten | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _{Ma} | 56.71 | 67.03 | 38.7 | 77.4 | 30 |
| Y _{Ma} | 56.71 | 0.0 | 77.4 | 77.4 | 90 |
| L _{Ma} | 56.71 | -67.02 | 38.7 | 77.4 | 150 |
| C _{Ma} | 56.71 | -67.02 | -38.69 | 77.4 | 210 |
| V _{Ma} | 56.71 | 0.0 | -77.39 | 77.4 | 270 |
| M _{Ma} | 56.71 | 67.03 | -38.69 | 77.4 | 330 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



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

| SRS18 | | | | | |
|------------------|-------------|---------|---------|--------------|--------------|
| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O _M | 56.71 | 67.03 | 38.7 | 77.4 | 30 |
| Y _M | 56.71 | 0.0 | 77.4 | 77.4 | 90 |
| L _M | 56.71 | -67.02 | 38.7 | 77.4 | 150 |
| C _M | 56.71 | -67.02 | -38.69 | 77.4 | 210 |
| V _M | 56.71 | 0.0 | -77.39 | 77.4 | 270 |
| M _M | 56.71 | 67.03 | -38.69 | 77.4 | 330 |
| N _M | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _M | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttendreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) SRS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.712 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 56.7 77.4 107
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.298

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.128 1.0 0.0
LCHMi = 89.3 45.2 142
LCHo = 56.7 77.4 142
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.395

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.798
LCHMi = 90.9 23.1 198
LCHo = 56.7 77.4 198
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.55

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.398 0.0 1.0
LCHMi = 72.1 39.0 294
LCHo = 56.7 77.4 294
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.816

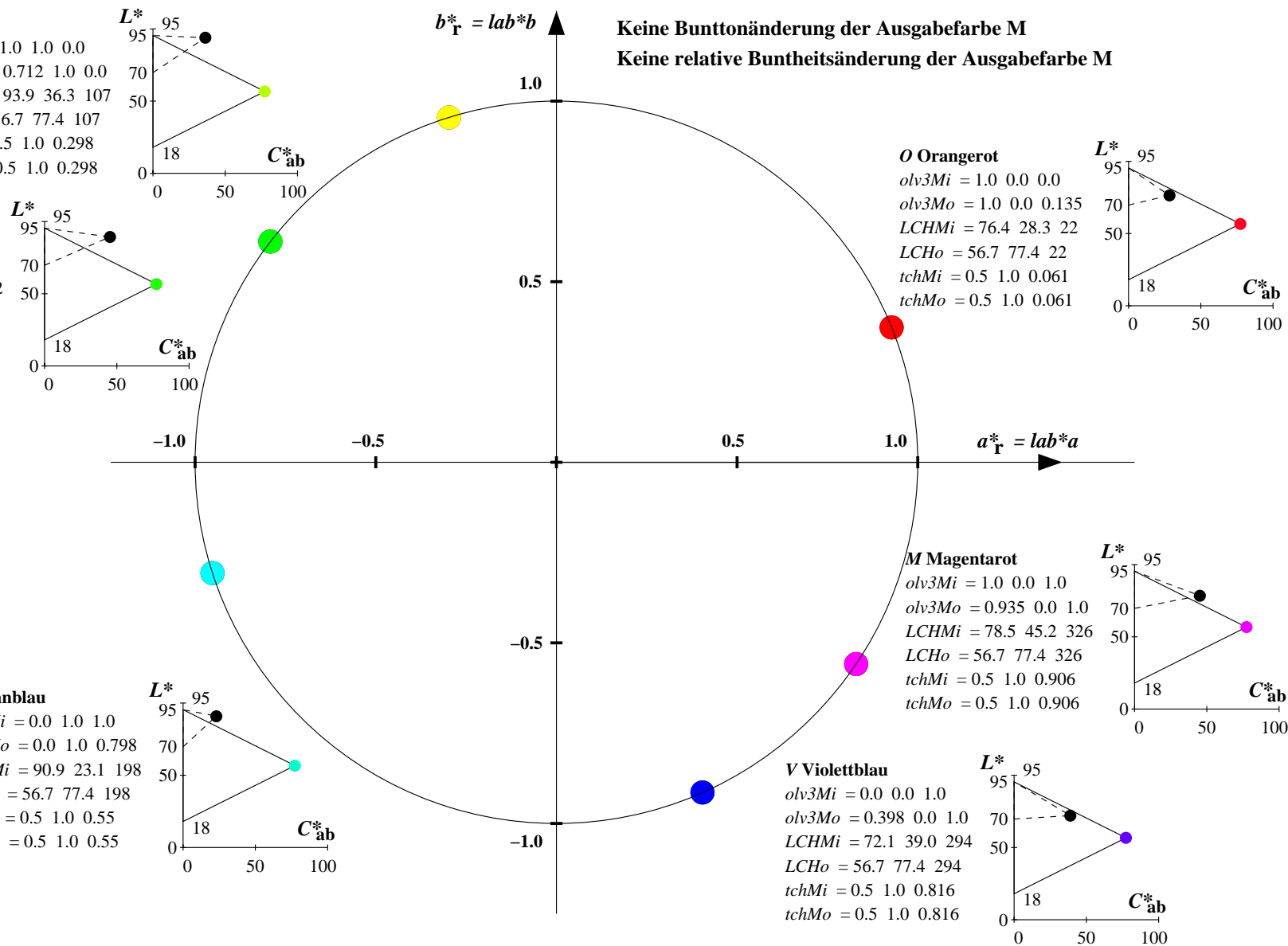
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.935 0.0 1.0
LCHMi = 78.5 45.2 326
LCHo = 56.7 77.4 326
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.906

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.135
LCHMi = 76.4 28.3 22
LCHo = 56.7 77.4 22
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.061

Keine Bunttonänderung der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a^*_R = lab^*a$, $b^*_R = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C^*_{ab}) für Ein- (---) und Ausgabe (----) TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7) SRS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.545 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 56.7 77.4 117
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.326

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.039
LCHMi = 89.3 45.2 142
LCHo = 56.7 77.4 152
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.423

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.965
LCHMi = 90.9 23.1 198
LCHo = 56.7 77.4 208
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.577

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.032 0.0
LCHMi = 76.4 28.3 22
LCHo = 56.7 77.4 32
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.089

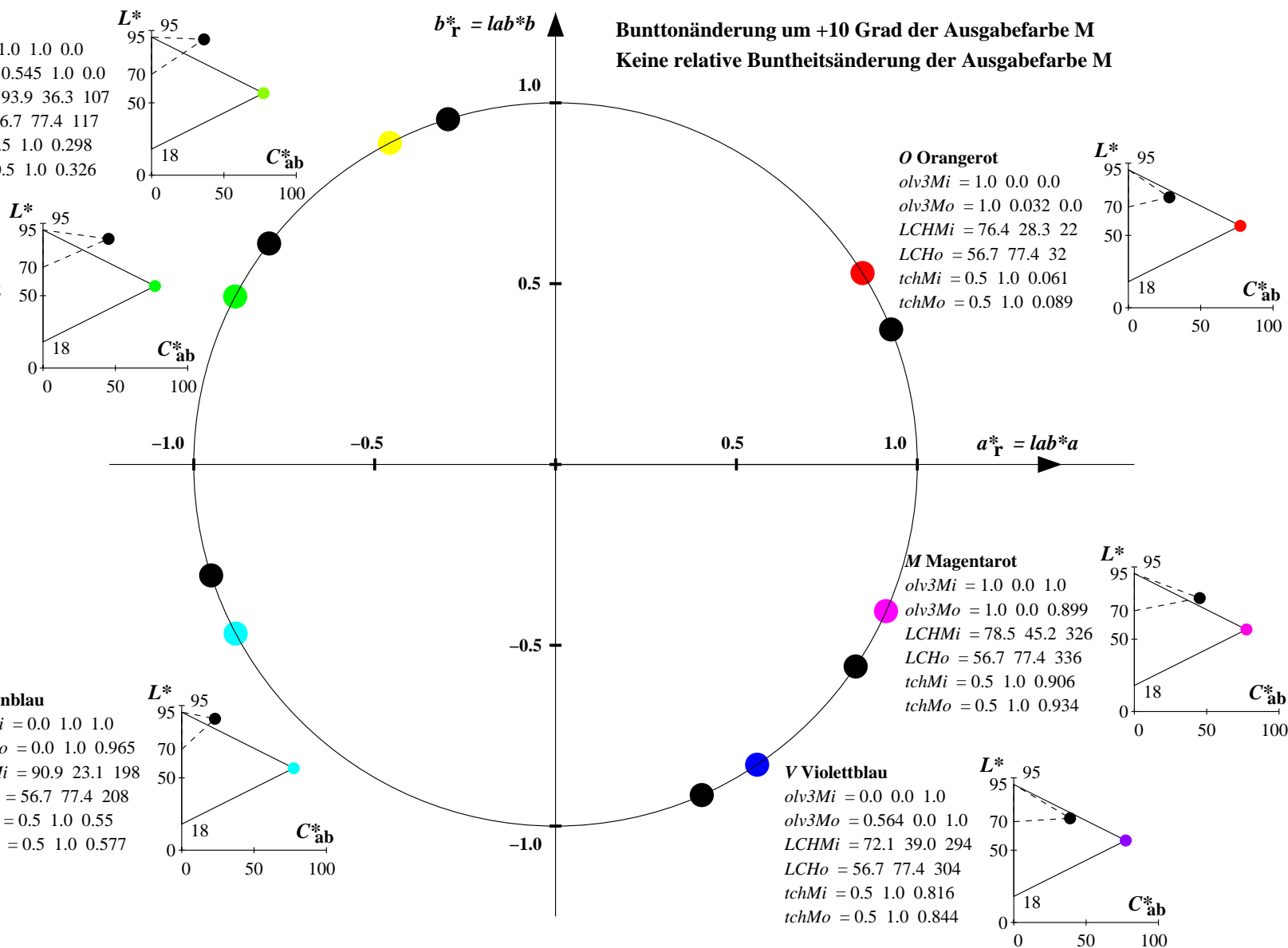
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.899
LCHMi = 78.5 45.2 326
LCHo = 56.7 77.4 336
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.934

V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.564 0.0 1.0
LCHMi = 72.1 39.0 294
LCHo = 56.7 77.4 304
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.844

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und **absolutes CIELAB Bunttondreiecks-Diagramm:** (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
SRS18: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

$olv3Mi = 1.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.606 \ 0.75 \ 0.25$
 $LCHMi = 93.9 \ 36.3 \ 107$
 $LCHo = 52.2 \ 38.7 \ 107$
 $tchMi = 0.5 \ 1.0 \ 0.298$
 $tchMo = 0.5 \ 0.5 \ 0.298$

L Laubgrün

$olv3Mi = 0.0 \ 1.0 \ 0.0$
 $olv3Mo = 0.314 \ 0.75 \ 0.25$
 $LCHMi = 89.3 \ 45.2 \ 142$
 $LCHo = 52.2 \ 38.7 \ 142$
 $tchMi = 0.5 \ 1.0 \ 0.395$
 $tchMo = 0.5 \ 0.5 \ 0.395$

C Cyanblau

$olv3Mi = 0.0 \ 1.0 \ 1.0$
 $olv3Mo = 0.25 \ 0.75 \ 0.649$
 $LCHMi = 90.9 \ 23.1 \ 198$
 $LCHo = 52.2 \ 38.7 \ 198$
 $tchMi = 0.5 \ 1.0 \ 0.55$
 $tchMo = 0.5 \ 0.5 \ 0.55$

V Violettblau

$olv3Mi = 0.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.449 \ 0.25 \ 0.75$
 $LCHMi = 72.1 \ 39.0 \ 294$
 $LCHo = 52.2 \ 38.7 \ 294$
 $tchMi = 0.5 \ 1.0 \ 0.816$
 $tchMo = 0.5 \ 0.5 \ 0.816$

M Magentarot

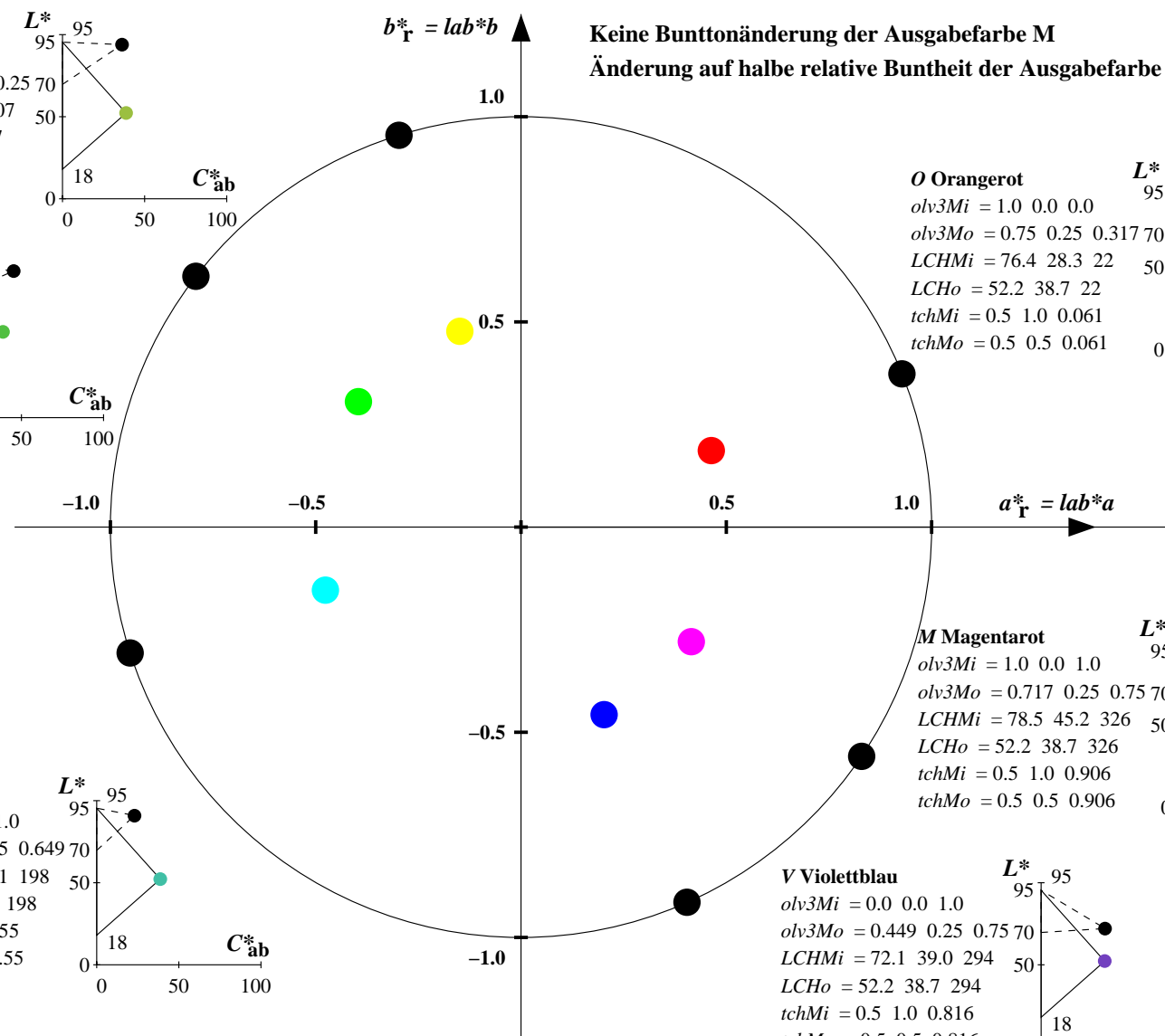
$olv3Mi = 1.0 \ 0.0 \ 1.0$
 $olv3Mo = 0.717 \ 0.25 \ 0.75$
 $LCHMi = 78.5 \ 45.2 \ 326$
 $LCHo = 52.2 \ 38.7 \ 326$
 $tchMi = 0.5 \ 1.0 \ 0.906$
 $tchMo = 0.5 \ 0.5 \ 0.906$

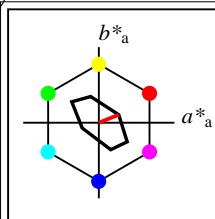
O Orangerot

$olv3Mi = 1.0 \ 0.0 \ 0.0$
 $olv3Mo = 0.75 \ 0.25 \ 0.317$
 $LCHMi = 76.4 \ 28.3 \ 22$
 $LCHo = 52.2 \ 38.7 \ 22$
 $tchMi = 0.5 \ 1.0 \ 0.061$
 $tchMo = 0.5 \ 0.5 \ 0.061$

Keine Bunttonänderung der Ausgabefarbe M

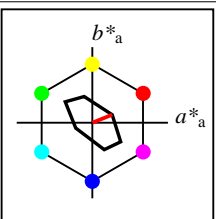
Änderung auf halbe relative Buntheit der Ausgabefarbe M





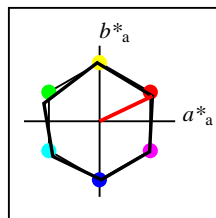
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

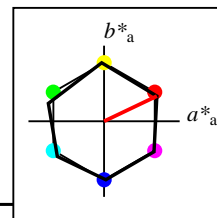
| TLS70a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

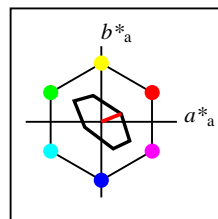
| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



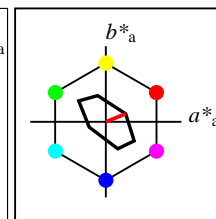
%Umfang
 $u^*_{rel} = 100$
%Regularität
 $g^*_{H,rel} = 78$
 $g^*_{C,rel} = 100$

| NRS18a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 56.71 | 69.87 | 33.29 | 77.4 | 25 |
| Y _{Ma} | 56.71 | -3.1 | 77.34 | 77.4 | 92 |
| L _{Ma} | 56.71 | -73.68 | 23.63 | 77.39 | 162 |
| C _{Ma} | 56.71 | -61.81 | -46.54 | 77.39 | 217 |
| V _{Ma} | 56.71 | 2.35 | -77.34 | 77.39 | 272 |
| M _{Ma} | 56.71 | 66.07 | -40.3 | 77.4 | 329 |
| N _{Ma} | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

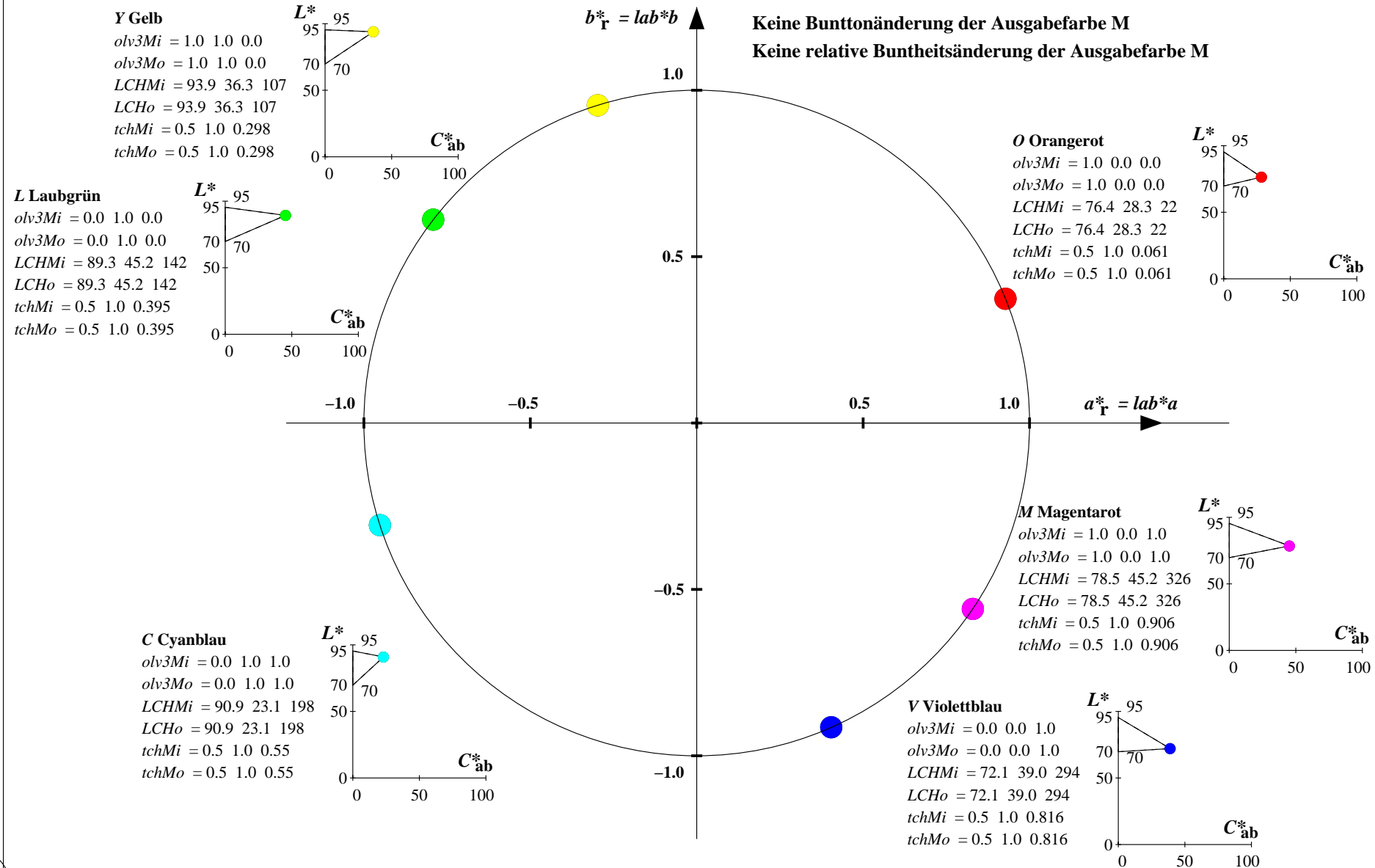
| TLS70a; adaptierte CIELAB-Daten | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| O _{Ma} | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _{Ma} | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _{Ma} | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _{Ma} | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _{Ma} | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _{Ma} | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _{Ma} | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _{Ma} | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |



%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

| TLS70 | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O _M | 76.43 | 26.27 | 10.57 | 28.32 | 22 |
| Y _M | 93.93 | -10.76 | 34.63 | 36.27 | 107 |
| L _M | 89.32 | -35.8 | 27.64 | 45.24 | 142 |
| C _M | 90.93 | -21.95 | -7.07 | 23.07 | 198 |
| V _M | 72.1 | 15.76 | -35.63 | 38.97 | 294 |
| M _M | 78.5 | 37.52 | -25.23 | 45.22 | 326 |
| N _M | 69.7 | 0.0 | 0.0 | 0.0 | 0 |
| W _M | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| R _{CIE} | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| J _{CIE} | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| G _{CIE} | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| B _{CIE} | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C^*_{ab}) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
TLS70: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)



Relatives CIELAB-Buntheitsdiagramm: ($a_R^* = lab^*a$, $b_R^* = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C_{ab}^*) für Ein- (—) und Ausgabe (---)
TLS70: Eingabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
TLS70: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)

Y Gelb

olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.715 1.0 0.0
LCHMi = 93.9 36.3 107
LCHo = 92.6 38.8 117
tchMi = 0.5 1.0 0.298
tchMo = 0.5 1.0 0.326

L Laubgrün

olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.18
LCHMi = 89.3 45.2 142
LCHo = 89.6 41.2 152
tchMi = 0.5 1.0 0.395
tchMo = 0.5 1.0 0.423

C Cyanblau

olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.896 1.0
LCHMi = 90.9 23.1 198
LCHo = 89.0 24.7 208
tchMi = 0.5 1.0 0.55
tchMo = 0.5 1.0 0.577

O Orangerot

olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.117 0.0
LCHMi = 76.4 28.3 22
LCHo = 78.5 29.2 32
tchMi = 0.5 1.0 0.061
tchMo = 0.5 1.0 0.089

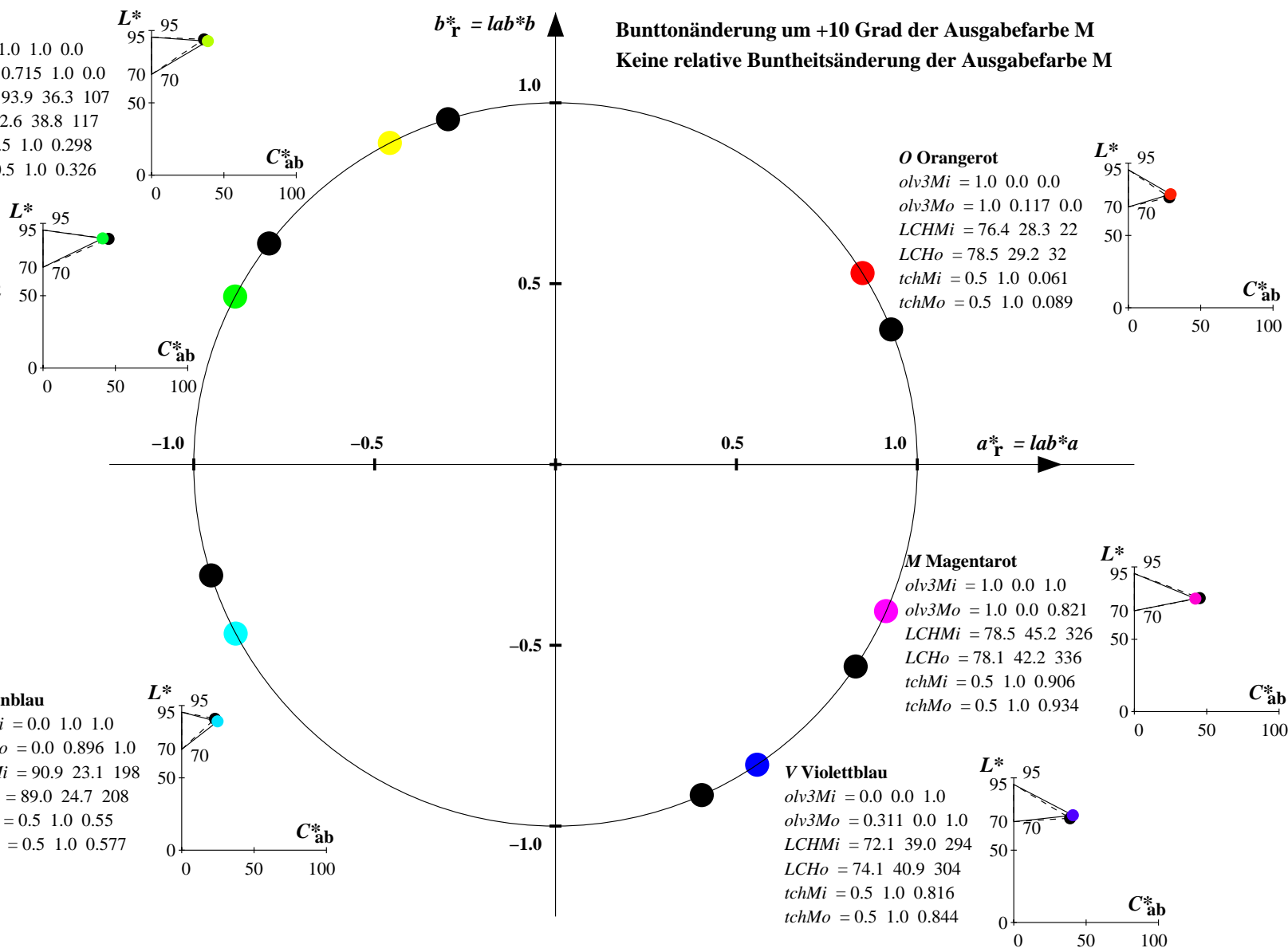
M Magentarot

olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.821
LCHMi = 78.5 45.2 326
LCHo = 78.1 42.2 336
tchMi = 0.5 1.0 0.906
tchMo = 0.5 1.0 0.934

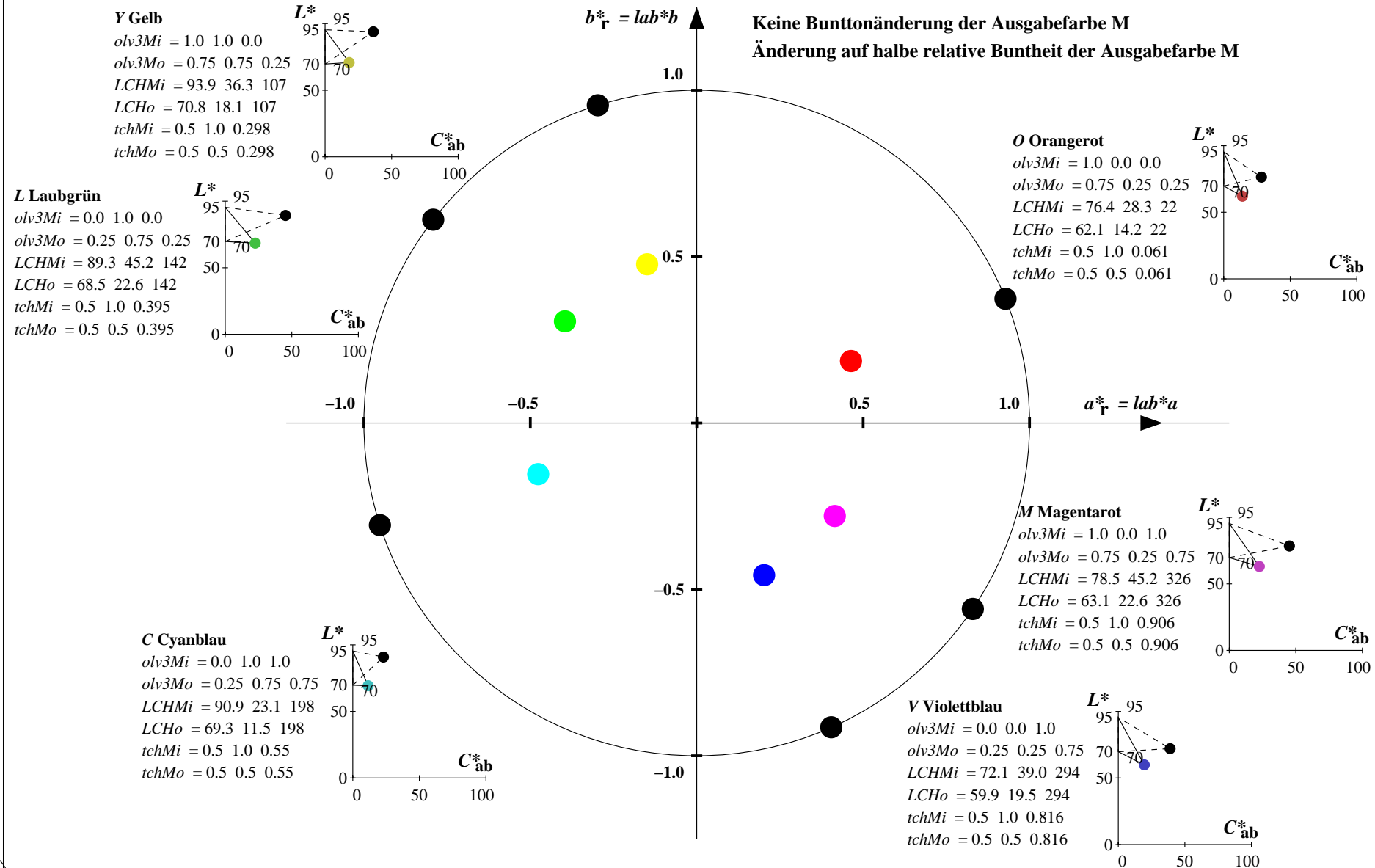
V Violettblau

olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.311 0.0 1.0
LCHMi = 72.1 39.0 294
LCHo = 74.1 40.9 304
tchMi = 0.5 1.0 0.816
tchMo = 0.5 1.0 0.844

Bunttonänderung um +10 Grad der Ausgabefarbe M
Keine relative Buntheitsänderung der Ausgabefarbe M



Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*b$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^* , C^*_{ab}) für Ein- (—) und Ausgabe (---) TLS70: Ausgabe (i) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)
TLS70: Ausgabe (o) Farbmatrik-Sytem; Sechs Bunttonwinkel des Farbgerätes: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Vier Bunttonwinkel der Elementarfarben: (25.5, 92.3, 162.2, 271.7)



YG670-7, Farb-Management-Workflow: Geräte-Farbeingabedaten des Farbenraums TLS70 -> Geräte-Farbausgabedaten des Farbenraums TLS70, Seite 32/32

BAM-Prüfvorlage YG67; Farbmatrikworkflow TLS70->TLS70 Eingabe: olv* setrgbcolor
D65: 6 Grundfarben; Geräte- und Musterdaten; Seite 32/32 Ausgabe: olv* (TRI9) setrgbcolor