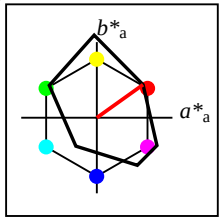
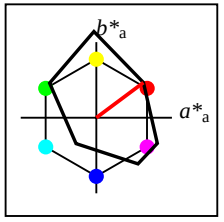


%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

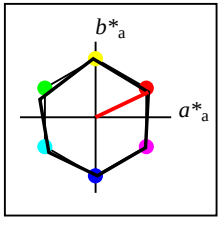
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
R_{CIE}	39.92	58.74	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



%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

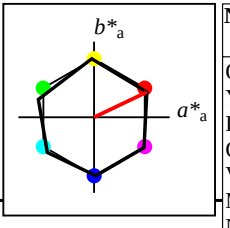


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

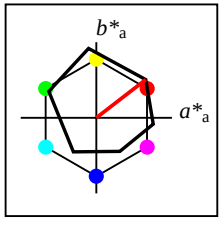
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

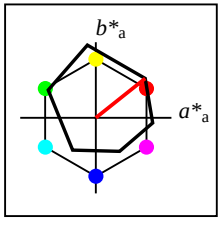
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

YG620−7, Farb-Management-Workflow: Geräte-Farbeingabendaten des Farbenraums FRS06 −> Geräte−Farbausgabedaten des Farbenraums ORS18, Seite 1/32

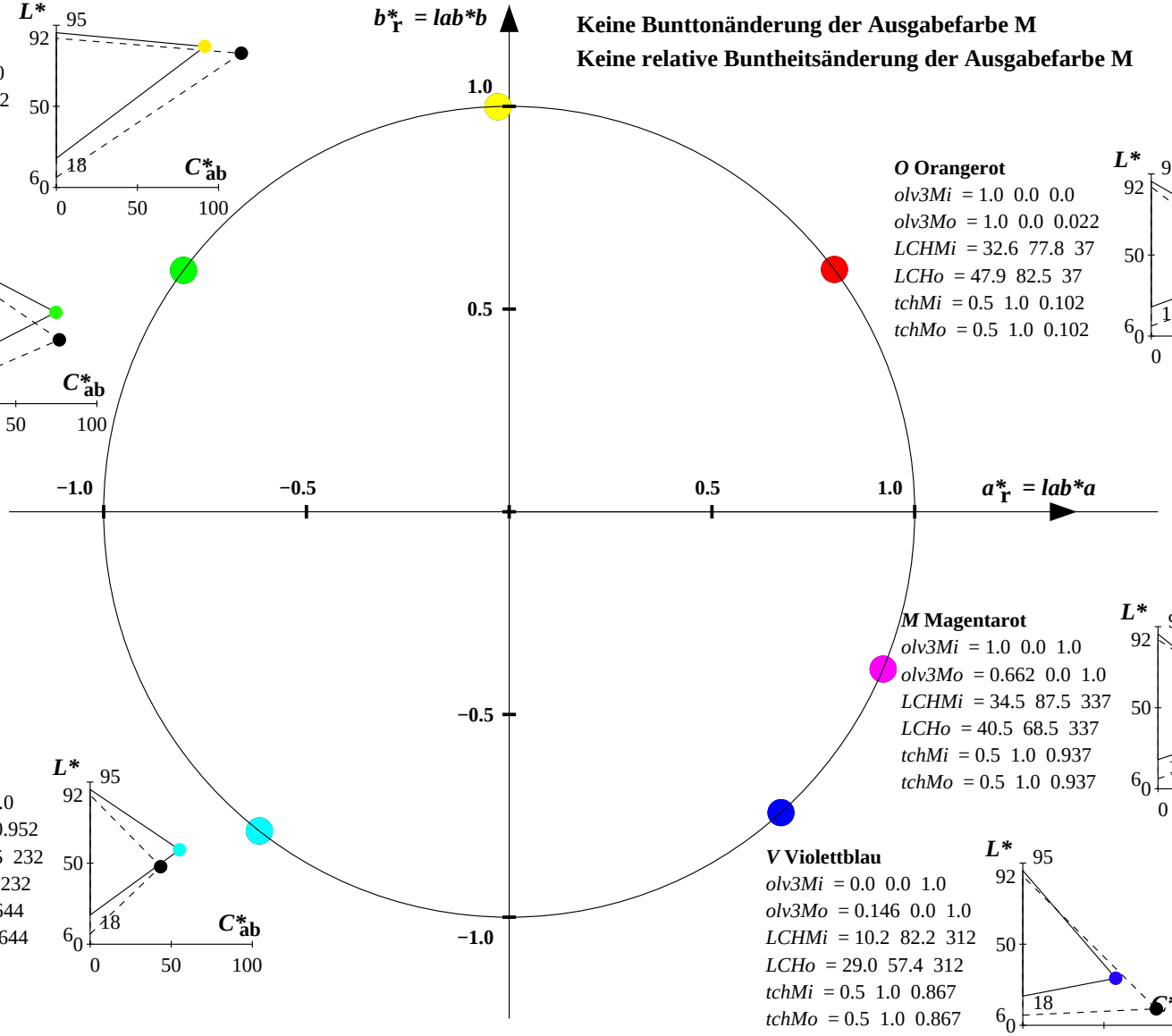
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

ORS18: Ausgabe (o) Farbmetrik-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)

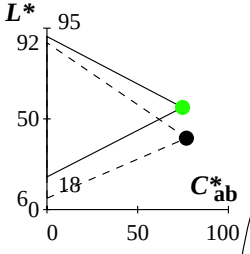
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

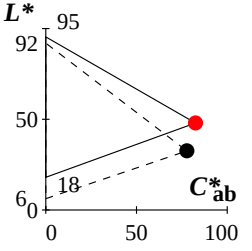


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.918 0.0
LCHMi = 82.7 114.0 92
LCHo = 86.9 91.5 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

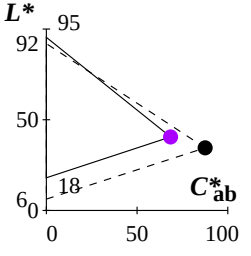
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.137 1.0 0.0
LCHMi = 39.4 76.9 143
LCHo = 56.3 74.7 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.022
LCHMi = 32.6 77.8 37
LCHo = 47.9 82.5 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

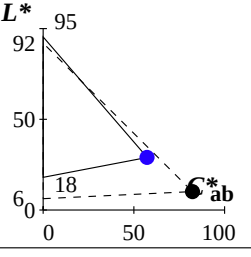


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.662 0.0 1.0
LCHMi = 34.5 87.5 337
LCHo = 40.5 68.5 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 0.952
LCHMi = 47.9 43.5 232
LCHo = 58.3 55.1 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.146 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 29.0 57.4 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



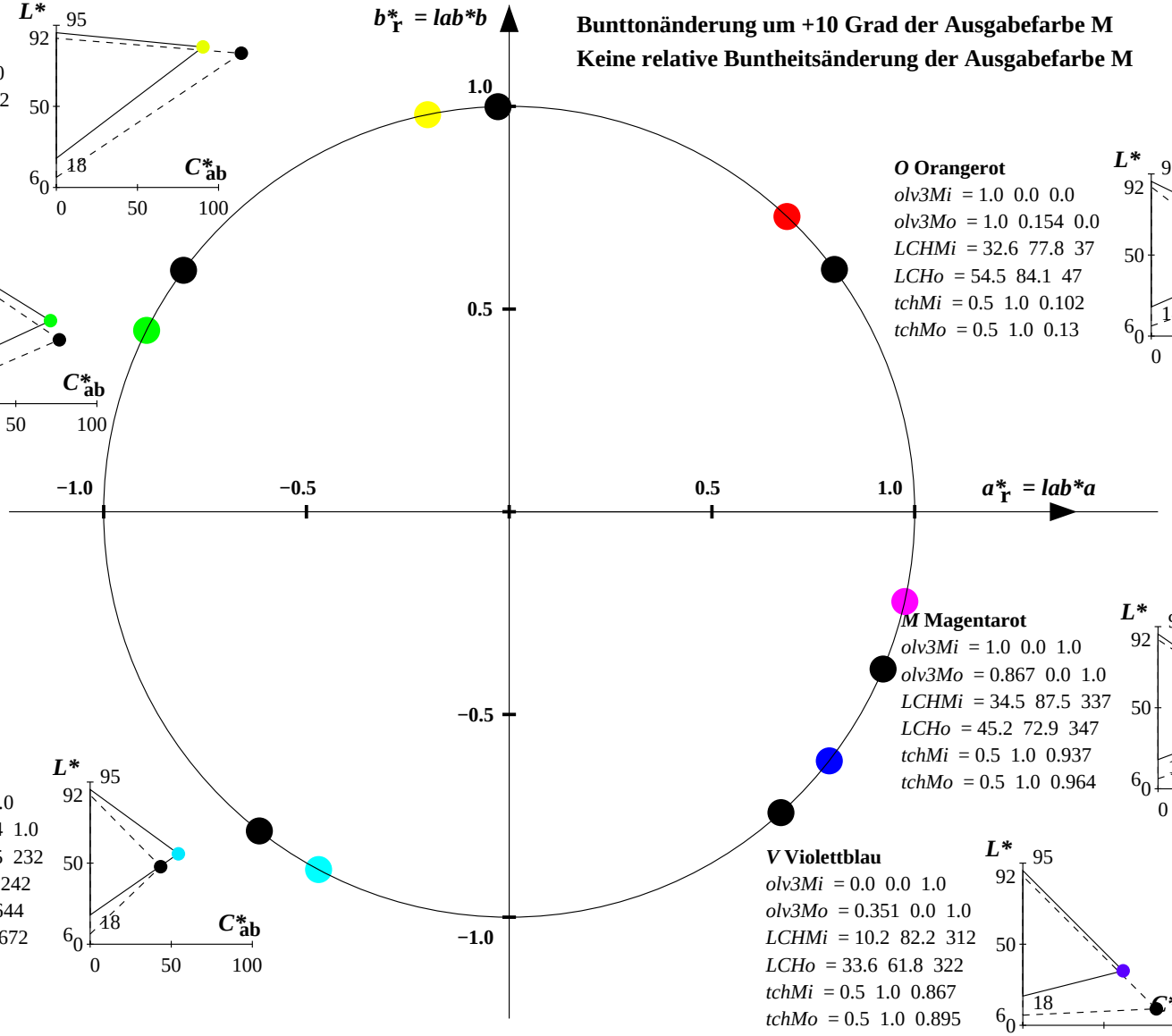
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

ORS18: Ausgabe (o) Farbmetrik-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)

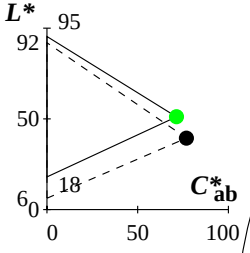
Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

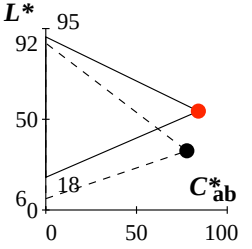


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.904 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 86.6 90.4 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

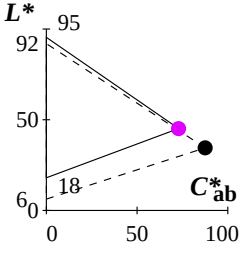
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.03
LCHMi = 39.4 76.9 143
LCHo = 51.1 71.4 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.154 0.0
LCHMi = 32.6 77.8 37
LCHo = 54.5 84.1 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

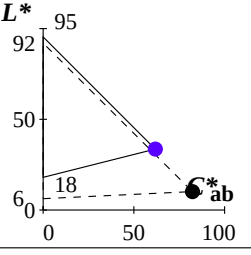


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.867 0.0 1.0
LCHMi = 34.5 87.5 337
LCHo = 45.2 72.9 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.914 1.0
LCHMi = 47.9 43.5 232
LCHo = 55.8 54.3 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.351 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 33.6 61.8 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895



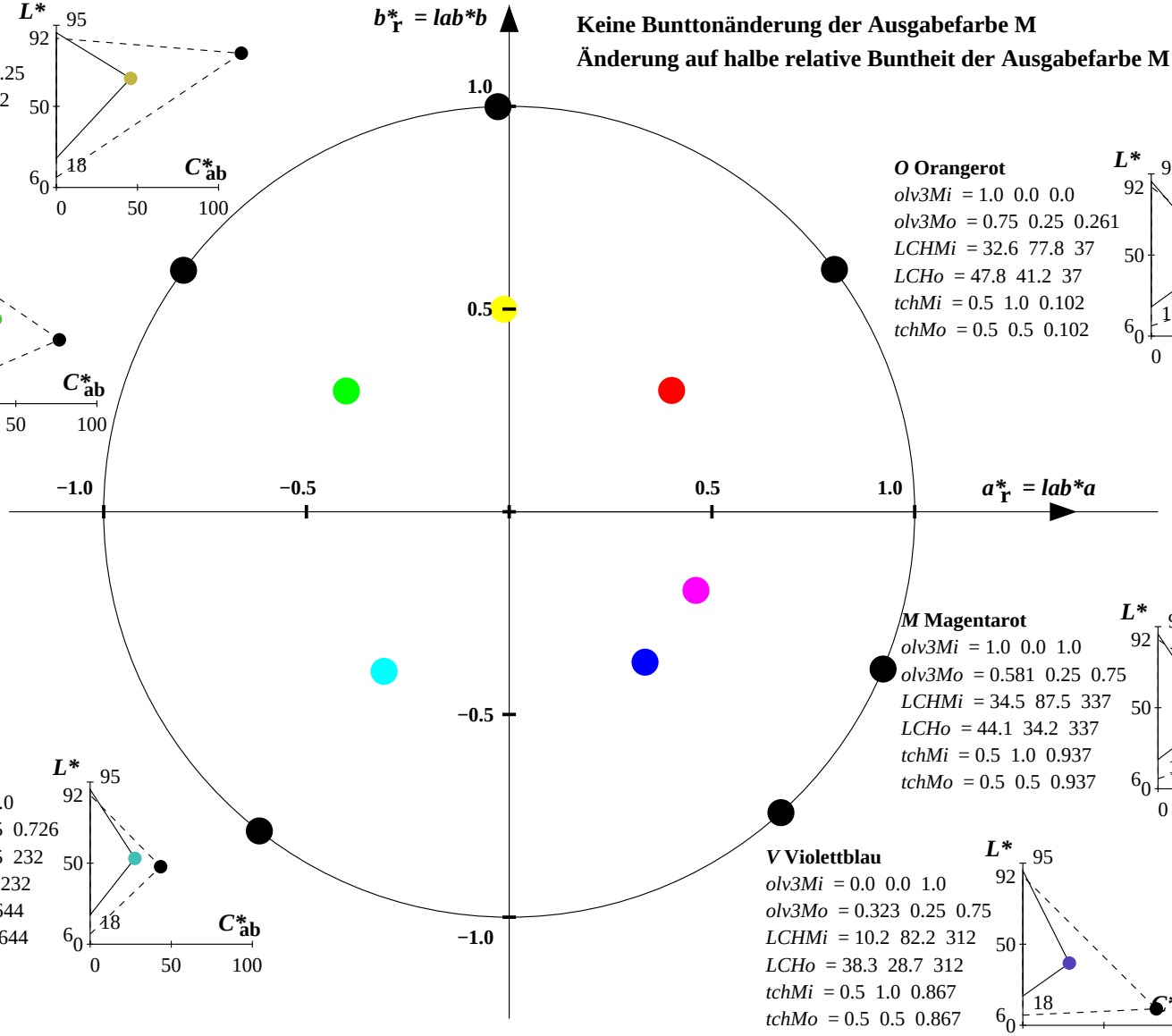
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

ORS18: Ausgabe (o) Farbmetrik-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)

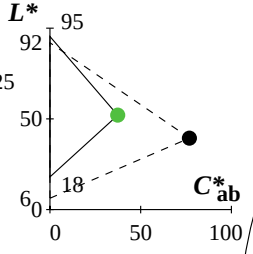
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

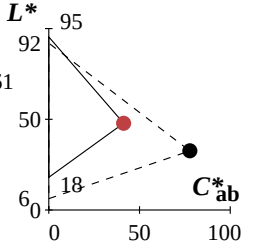


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.75 0.709 0.25
LCHMi = 82.7 114.0 92
LCHo = 67.3 45.8 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

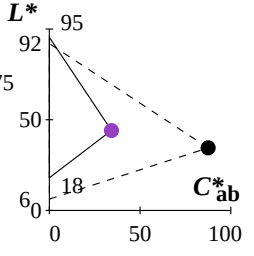
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.319 0.75 0.25
LCHMi = 39.4 76.9 143
LCHo = 52.0 37.4 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.25 0.261
LCHMi = 32.6 77.8 37
LCHo = 47.8 41.2 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102

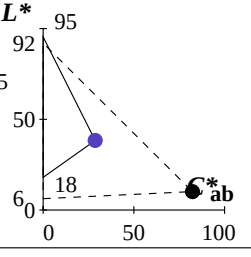


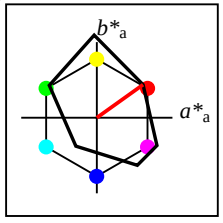
***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.581 0.25 0.75
LCHMi = 34.5 87.5 337
LCHo = 44.1 34.2 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.75 0.726
LCHMi = 47.9 43.5 232
LCHo = 53.0 27.6 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.323 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 38.3 28.7 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867

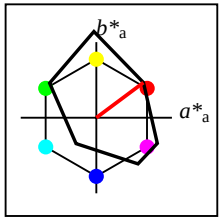




%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

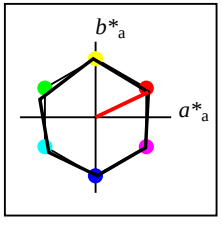
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
R_{CIE}	39.92	58.74	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



%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

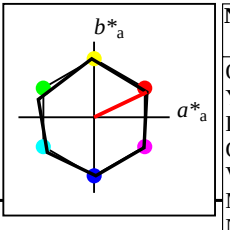


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

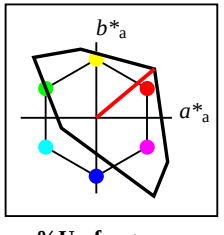
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

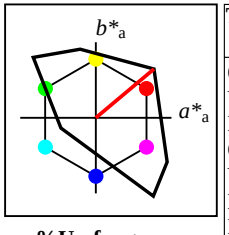
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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_M	50.5	76.92	64.55	100.42	40
Y_M	92.66	−20.69	90.75	93.08	103
L_M	83.63	−82.75	79.9	115.04	136
C_M	86.88	−46.16	−13.55	48.12	196
V_M	30.39	76.06	−103.59	128.52	306
M_M	57.3	94.35	−58.41	110.97	328
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

YG620−7, Farb-Management-Workflow: Geräte-Farbeingabendaten des Farbenraums FRS06 −> Geräte−Farbausgabedaten des Farbenraums TLS00, Seite 5/32

BAM-Prüfvorlage YG62; Farbmetrikworkflow FRS06−>TLS00 Eingabe: *olv* setrgbcolor*
D65: 6 Grundfarben; Geräte- und Musterdaten; Seite 5/32 Ausgabe: *olv*' (TRI9) setrgbcolor*

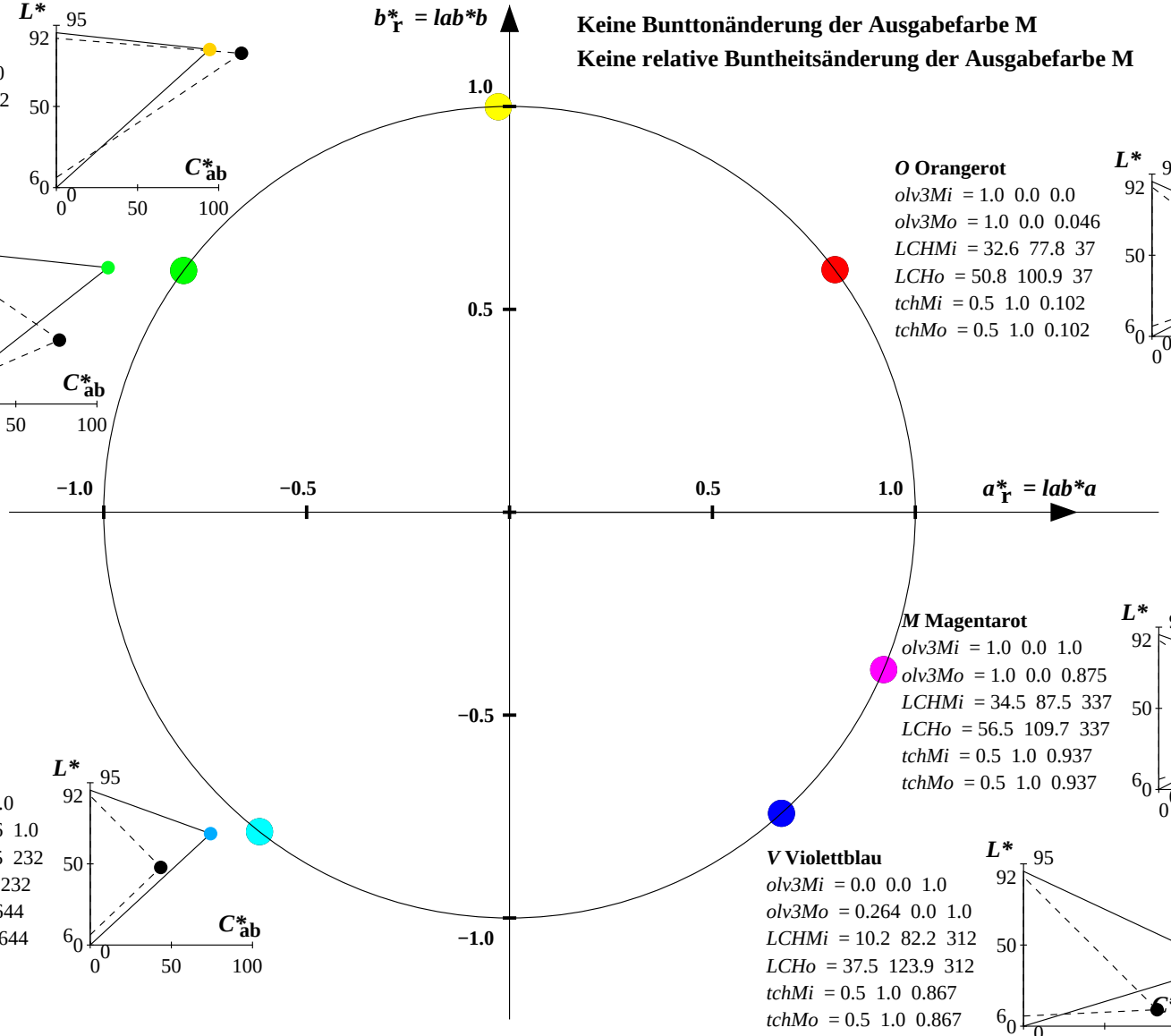
Relatives CIELAB-Buntheitsdiagramm: (a^*_r = *lab*a* , b^*_r = *lab*a*) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS00: Ausgabe (o) Farbmetrik-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)

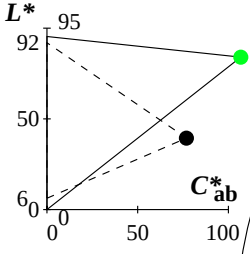
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

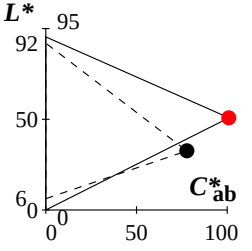


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.821 0.0
LCHMi = 82.7 114.0 92
LCHo = 85.1 94.4 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

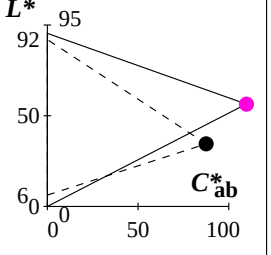
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.123
LCHMi = 39.4 76.9 143
LCHo = 84.0 106.8 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.046
LCHMi = 32.6 77.8 37
LCHo = 50.8 100.9 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

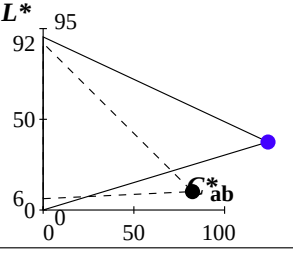


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.875
LCHMi = 34.5 87.5 337
LCHo = 56.5 109.7 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.676 1.0
LCHMi = 47.9 43.5 232
LCHo = 68.6 74.2 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.264 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 37.5 123.9 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



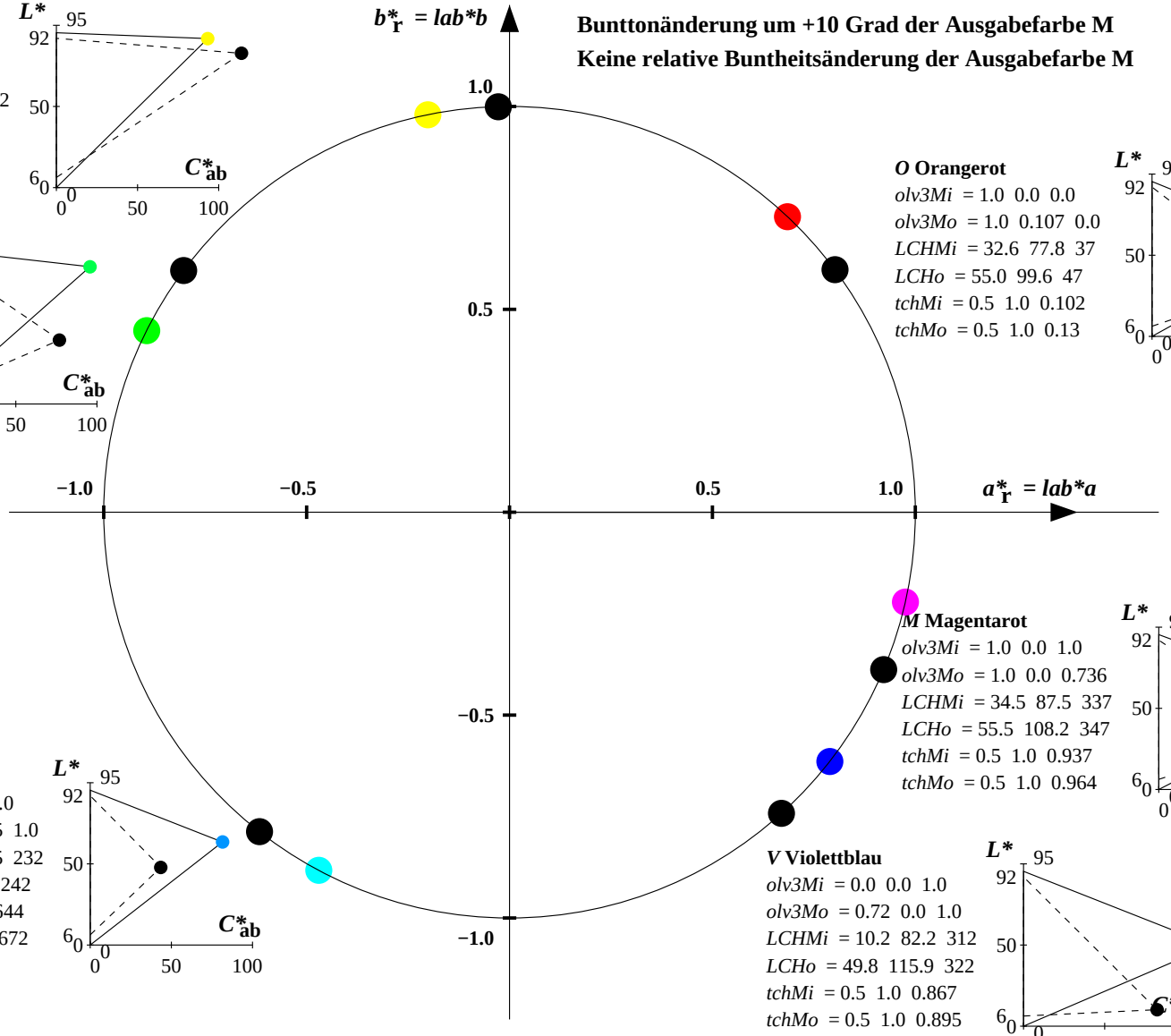
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS00: Ausgabe (o) Farbmetrik-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)

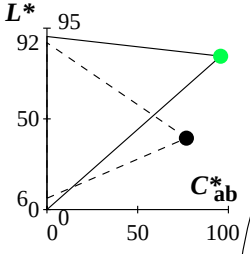
Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

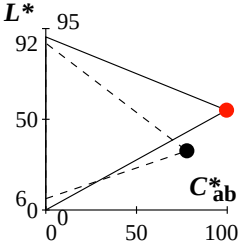


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.98 0.0
LCHMi = 82.7 114.0 92
LCHo = 91.8 93.2 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

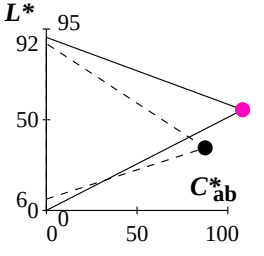
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.289
LCHMi = 39.4 76.9 143
LCHo = 84.6 95.7 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.107 0.0
LCHMi = 32.6 77.8 37
LCHo = 55.0 99.6 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

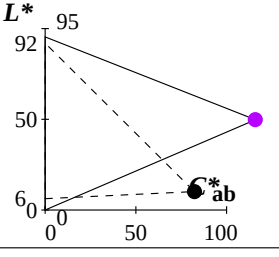


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.736
LCHMi = 34.5 87.5 337
LCHo = 55.5 108.2 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.585 1.0
LCHMi = 47.9 43.5 232
LCHo = 63.4 81.5 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.72 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 49.8 115.9 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895



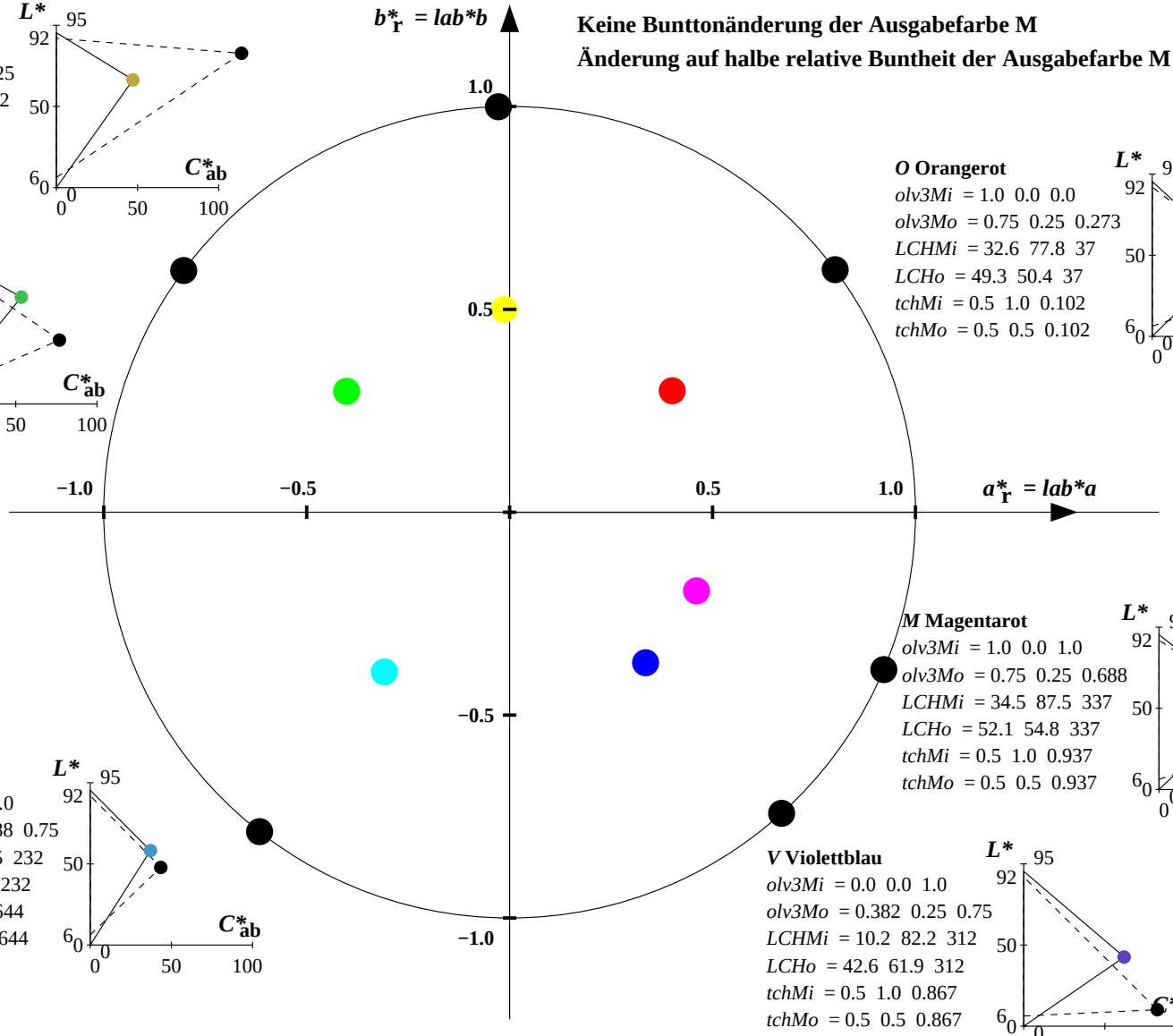
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS00: Ausgabe (o) Farbmetrik-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)

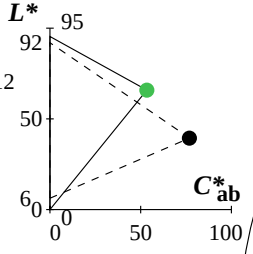
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

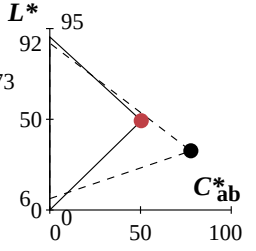


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.75 0.66 0.25
LCHMi = 82.7 114.0 92
LCHo = 66.4 47.2 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

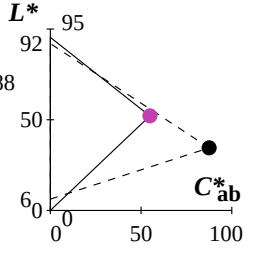
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.25 0.75 0.312
LCHMi = 39.4 76.9 143
LCHo = 65.9 53.4 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.25 0.273
LCHMi = 32.6 77.8 37
LCHo = 49.3 50.4 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102

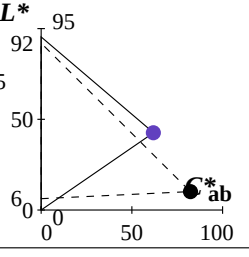


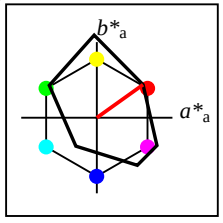
***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.75 0.25 0.688
LCHMi = 34.5 87.5 337
LCHo = 52.1 54.8 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.588 0.75
LCHMi = 47.9 43.5 232
LCHo = 58.1 37.1 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.382 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 42.6 61.9 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867

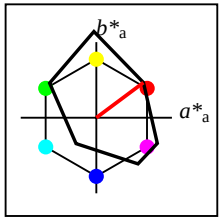




%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

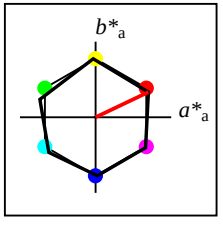
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
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



%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

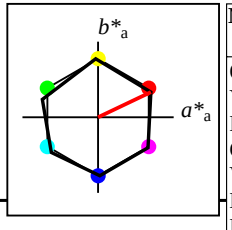


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

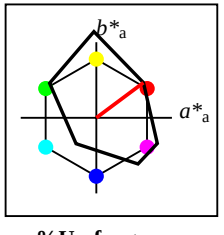
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

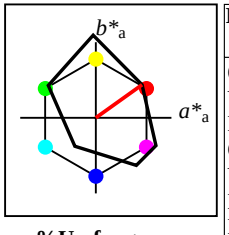
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Siehe ähnliche Dateien: http://www.ps.bam.de/YG62/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20061101-YG62/10L/L62G20FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/YG62/ Form: 9/8, Serie: 1/1, Seite: 9 Seitenz hlung 1

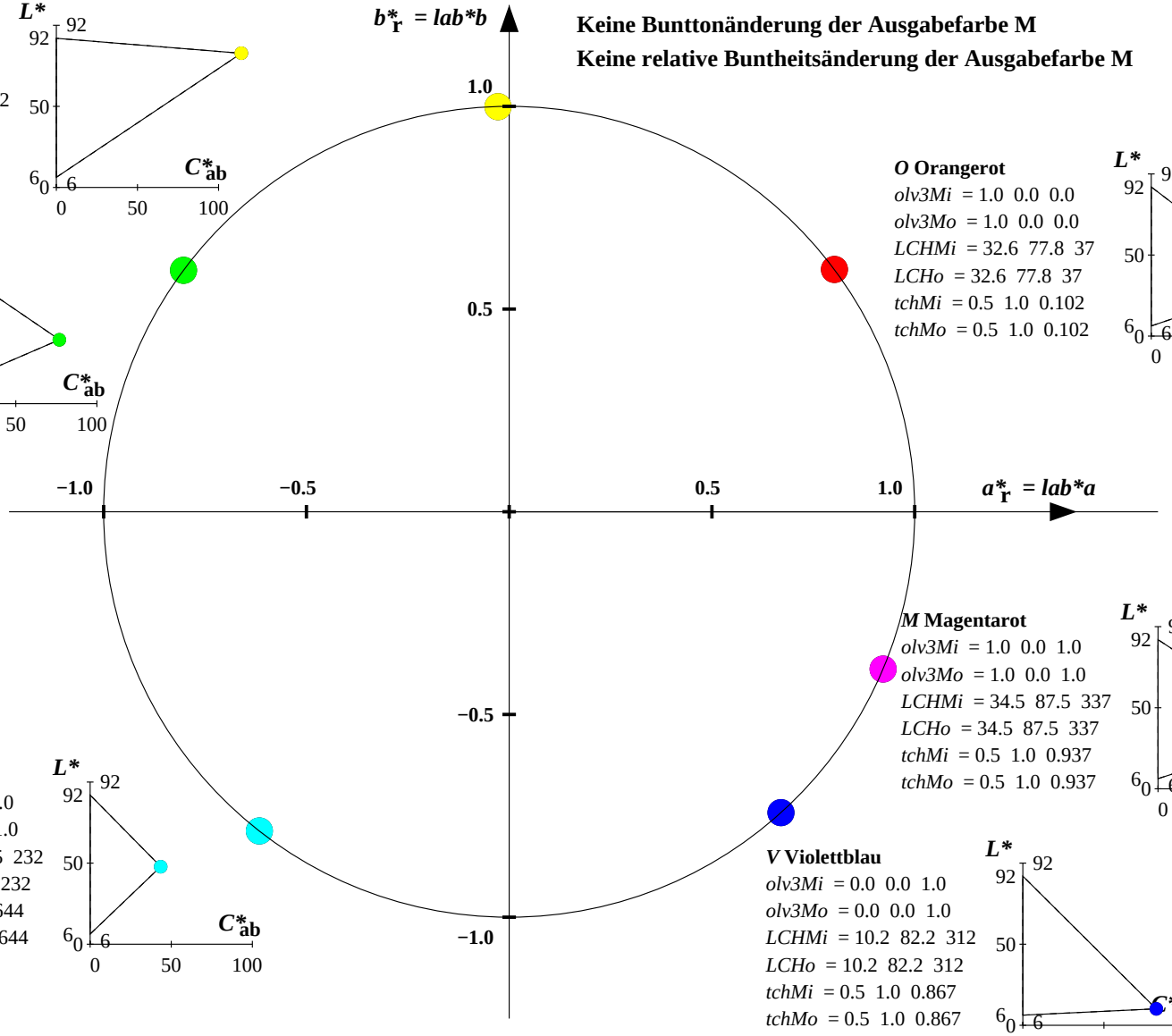
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

FRS06: Ausgabe (o) Farbmetrik-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)

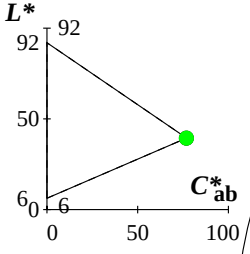
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

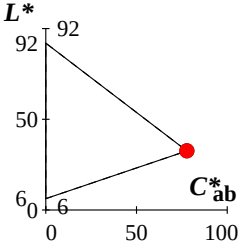


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 82.7 114.0 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

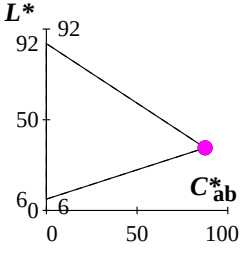
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.0
LCHMi = 39.4 76.9 143
LCHo = 39.4 76.9 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.0 0.0
LCHMi = 32.6 77.8 37
LCHo = 32.6 77.8 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

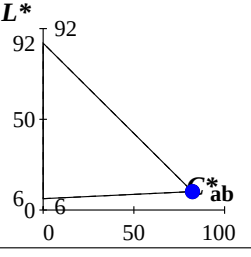


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 1.0
LCHMi = 34.5 87.5 337
LCHo = 34.5 87.5 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 1.0 1.0
LCHMi = 47.9 43.5 232
LCHo = 47.9 43.5 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.0 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 10.2 82.2 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



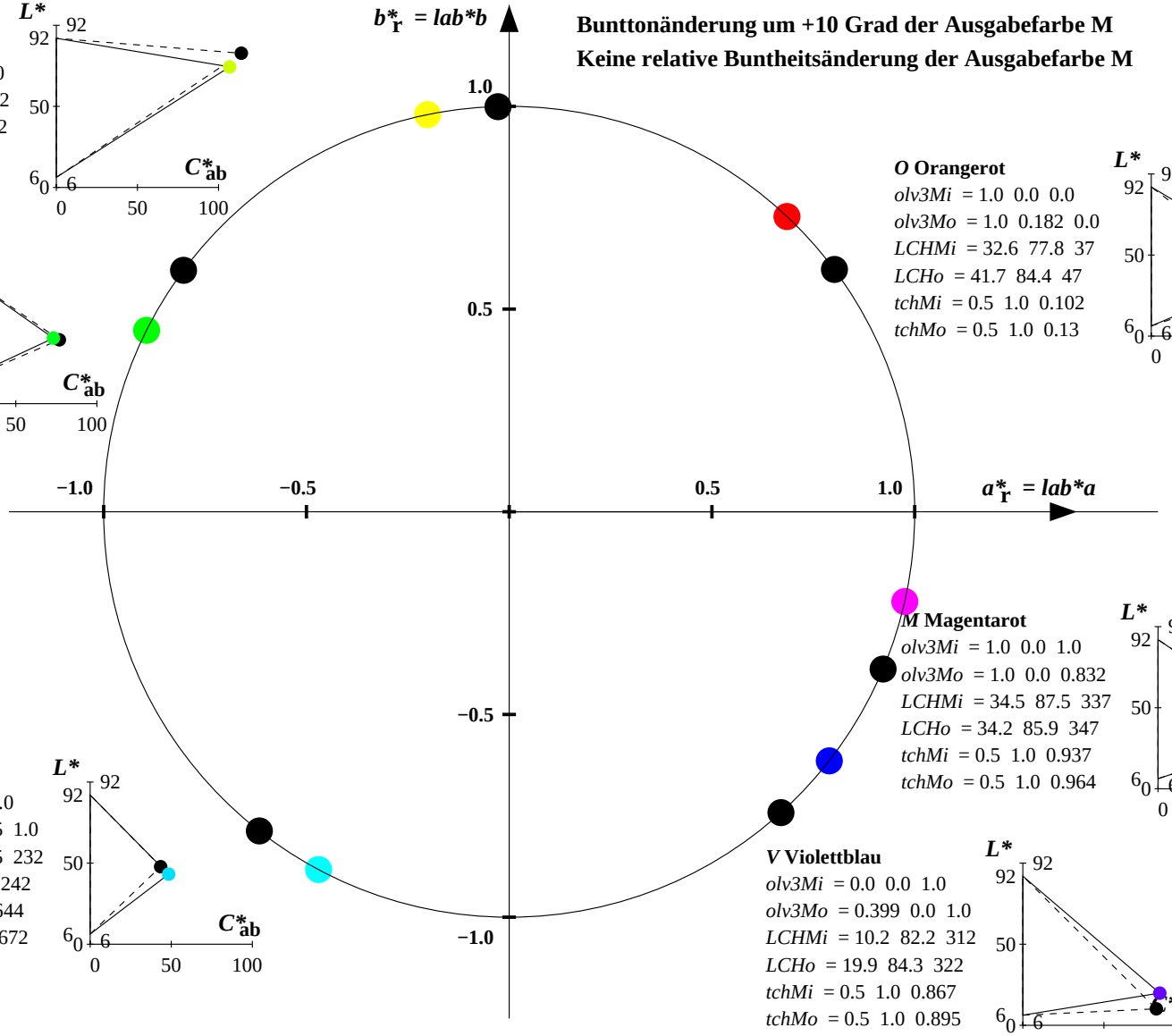
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

FRS06: Ausgabe (o) Farbmetrik-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)

Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M



***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.807 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 74.4 106.9 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.113
LCHMi = 39.4 76.9 143
LCHo = 40.4 73.2 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426

***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.875 1.0
LCHMi = 47.9 43.5 232
LCHo = 43.2 48.3 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.182 0.0
LCHMi = 32.6 77.8 37
LCHo = 41.7 84.4 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.832
LCHMi = 34.5 87.5 337
LCHo = 34.2 85.9 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.399 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 19.9 84.3 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895

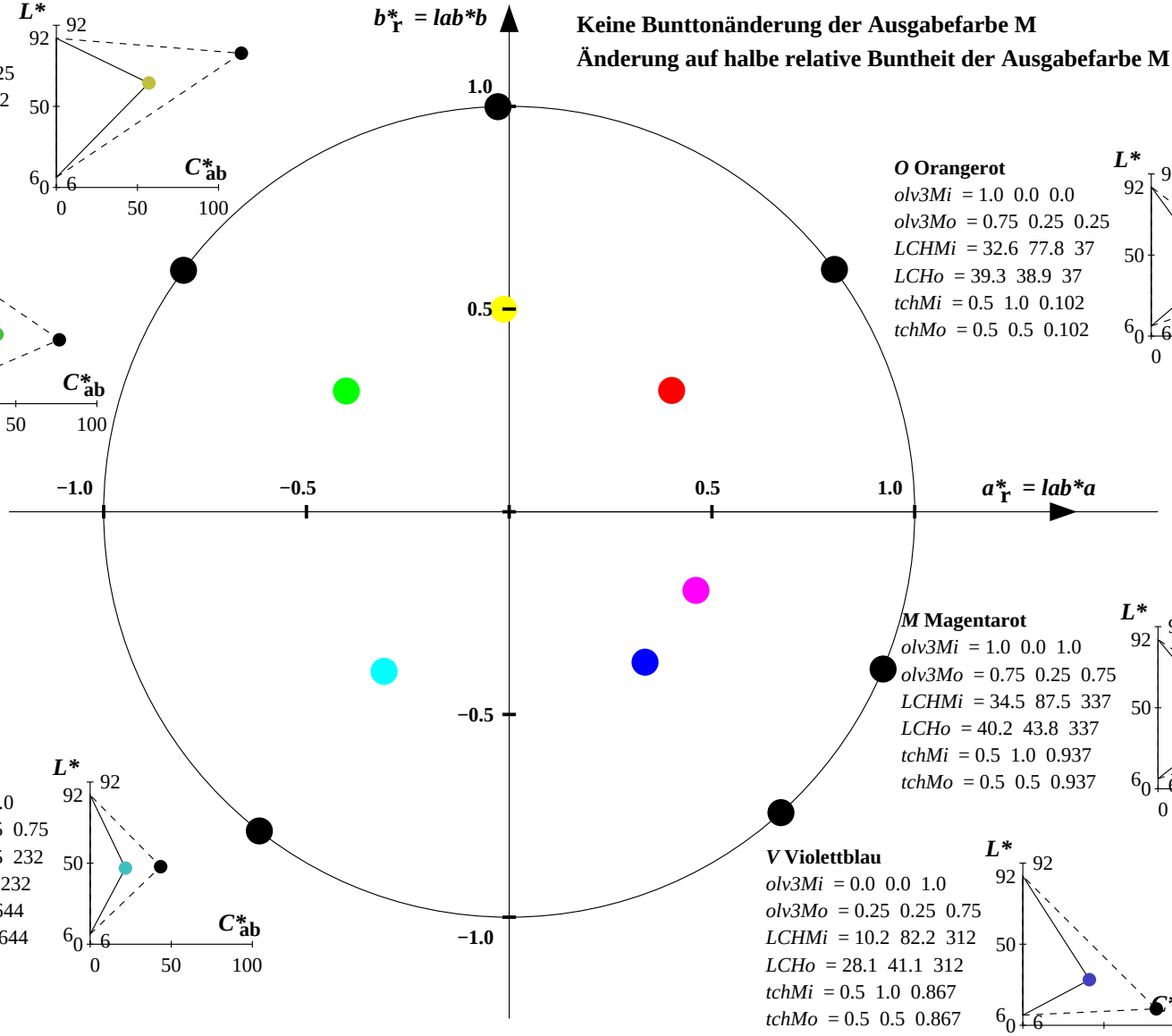
Relatives CIELAB-Buntheitsdiagramm: (a^*_r = *lab*a* , b^*_r = *lab*a*) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

FRS06: Ausgabe (o) Farbmetrik-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)

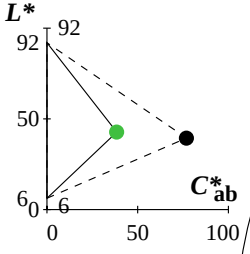
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

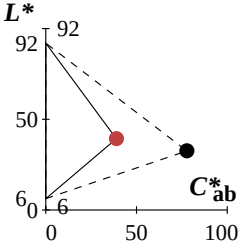


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.75 0.75 0.25
LCHMi = 82.7 114.0 92
LCHo = 64.4 57.0 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

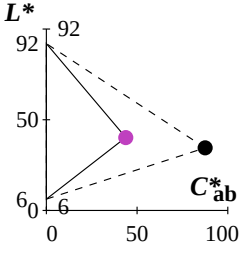
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.25 0.75 0.25
LCHMi = 39.4 76.9 143
LCHo = 42.7 38.5 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.25 0.25
LCHMi = 32.6 77.8 37
LCHo = 39.3 38.9 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102

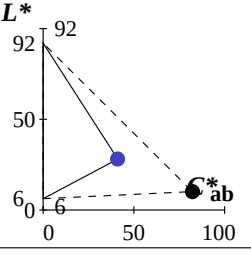


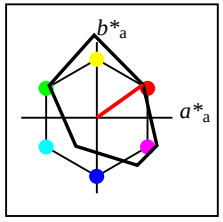
***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.75 0.25 0.75
LCHMi = 34.5 87.5 337
LCHo = 40.2 43.8 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.75 0.75
LCHMi = 47.9 43.5 232
LCHo = 46.9 21.7 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.25 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 28.1 41.1 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867

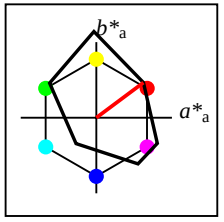




%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

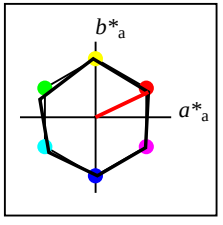
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
R_{CIE}	39.92	58.74	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



%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

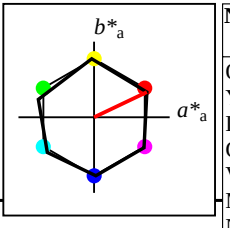


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

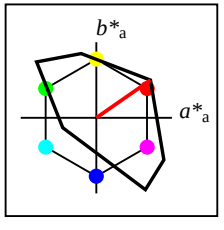
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

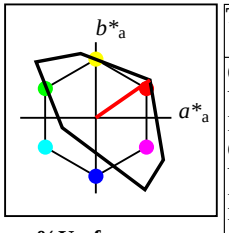
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

Siehe ähnliche Dateien: http://www.ps.bam.de/YG62/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20061101-YG62/10L/L62G20FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/YG62/ Form: 13/8, Serie: 1/1, Seite: 13 Seitenz hlung 1

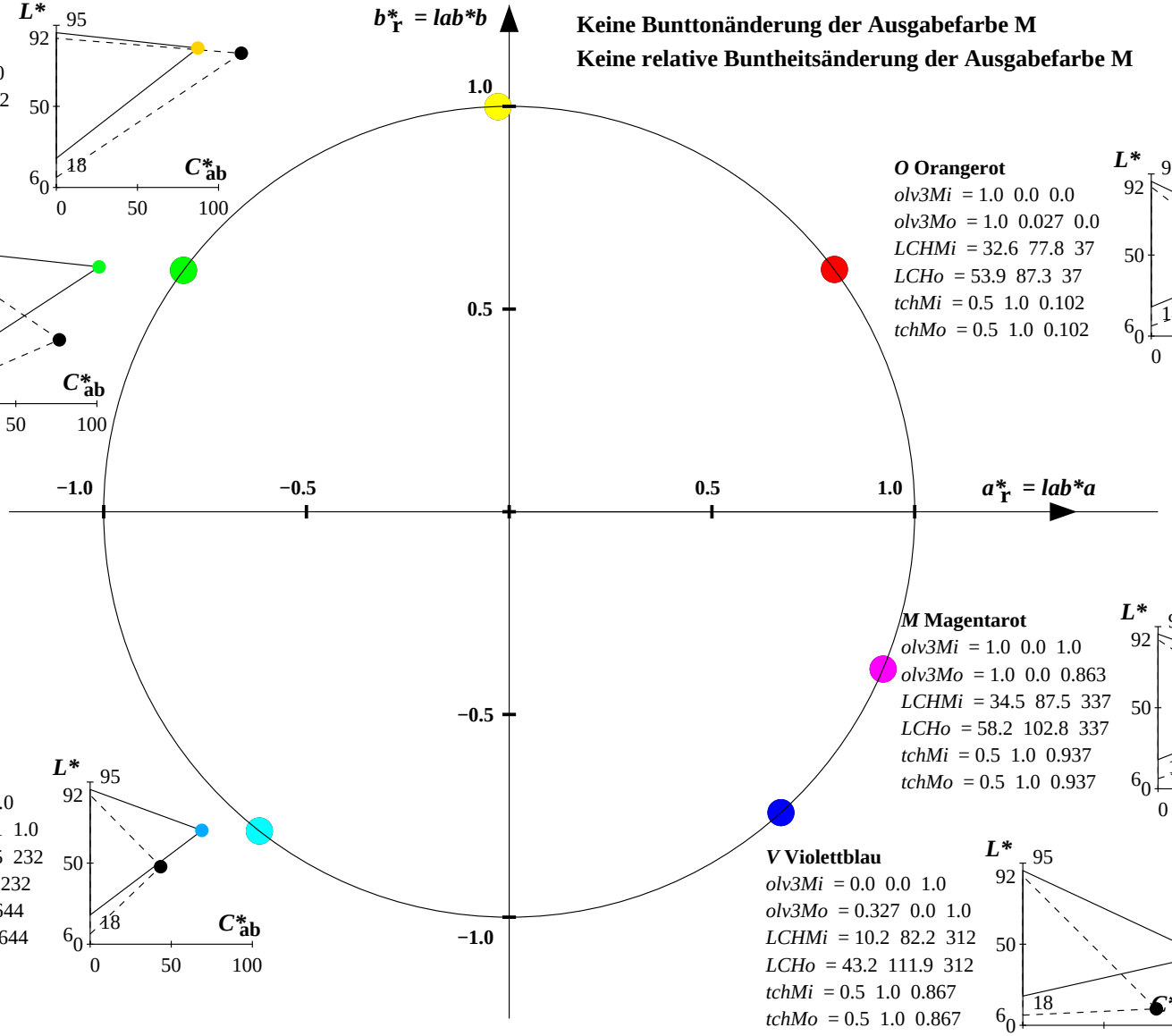
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS18: Ausgabe (o) Farbmetrik-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)

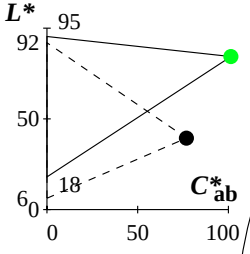
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

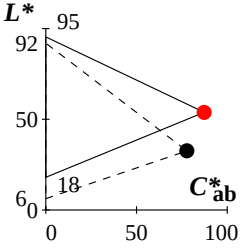


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.829 0.0
LCHMi = 82.7 114.0 92
LCHo = 85.9 87.3 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

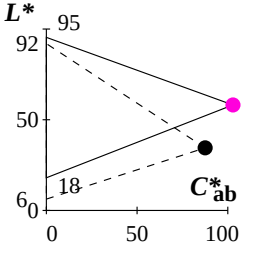
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.11
LCHMi = 39.4 76.9 143
LCHo = 84.3 101.4 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.027 0.0
LCHMi = 32.6 77.8 37
LCHo = 53.9 87.3 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

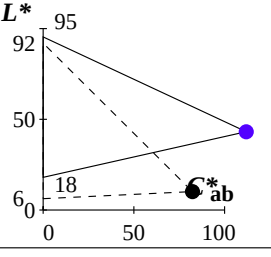


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.863
LCHMi = 34.5 87.5 337
LCHo = 58.2 102.8 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.671 1.0
LCHMi = 47.9 43.5 232
LCHo = 70.1 69.0 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.327 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 43.2 111.9 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



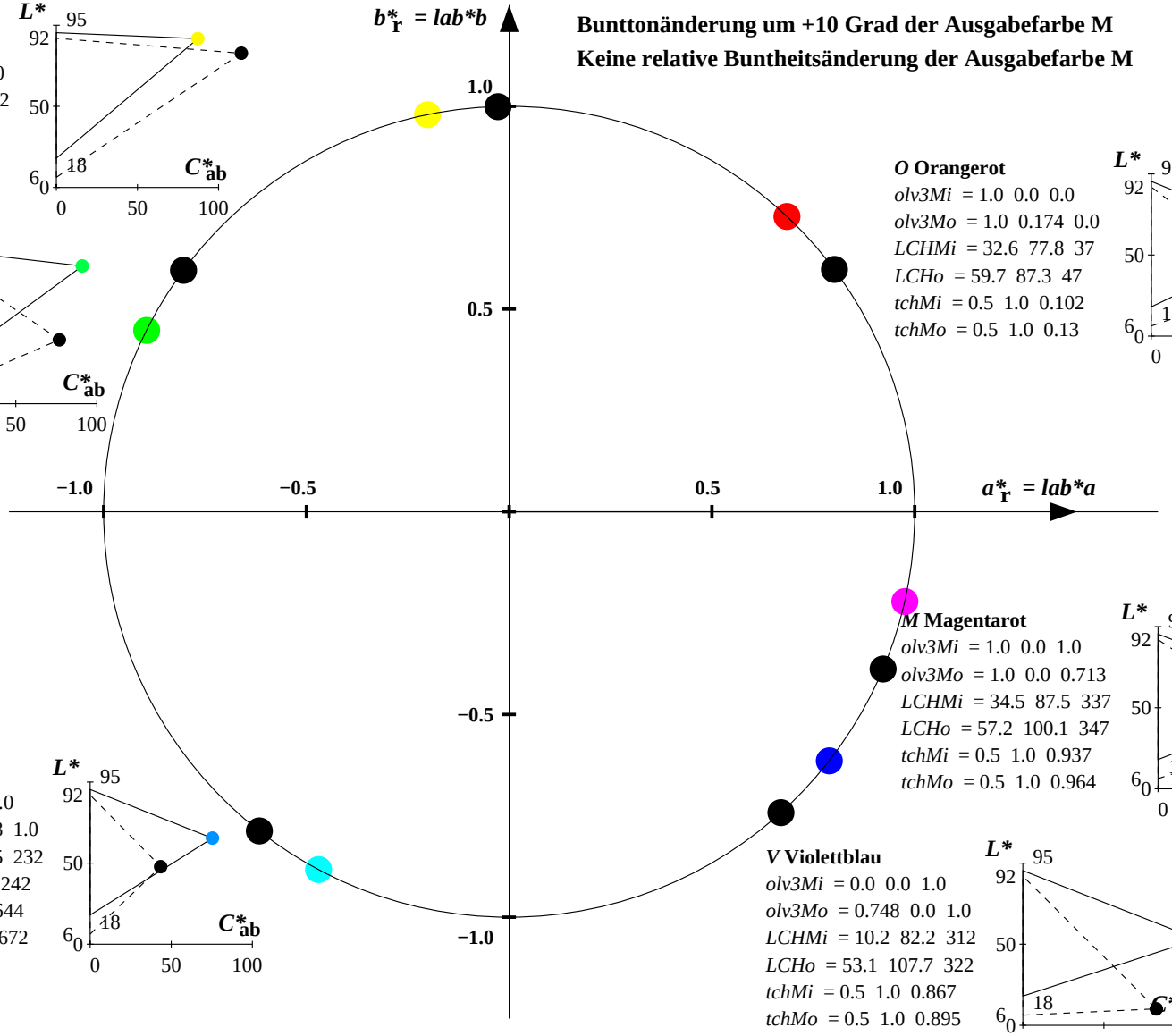
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS18: Ausgabe (o) Farbmetrik-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)

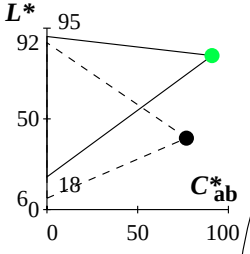
Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

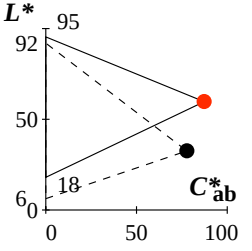


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.976 0.0
LCHMi = 82.7 114.0 92
LCHo = 91.8 87.3 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

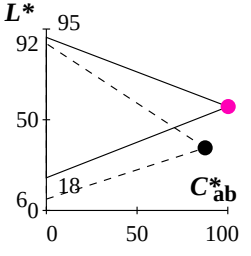
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.278
LCHMi = 39.4 76.9 143
LCHo = 84.9 91.0 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.174 0.0
LCHMi = 32.6 77.8 37
LCHo = 59.7 87.3 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

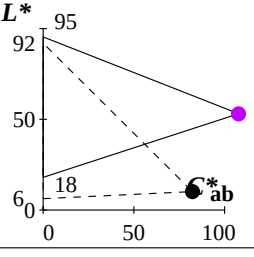


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.713
LCHMi = 34.5 87.5 337
LCHo = 57.2 100.1 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.578 1.0
LCHMi = 47.9 43.5 232
LCHo = 65.3 75.3 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.748 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 53.1 107.7 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895



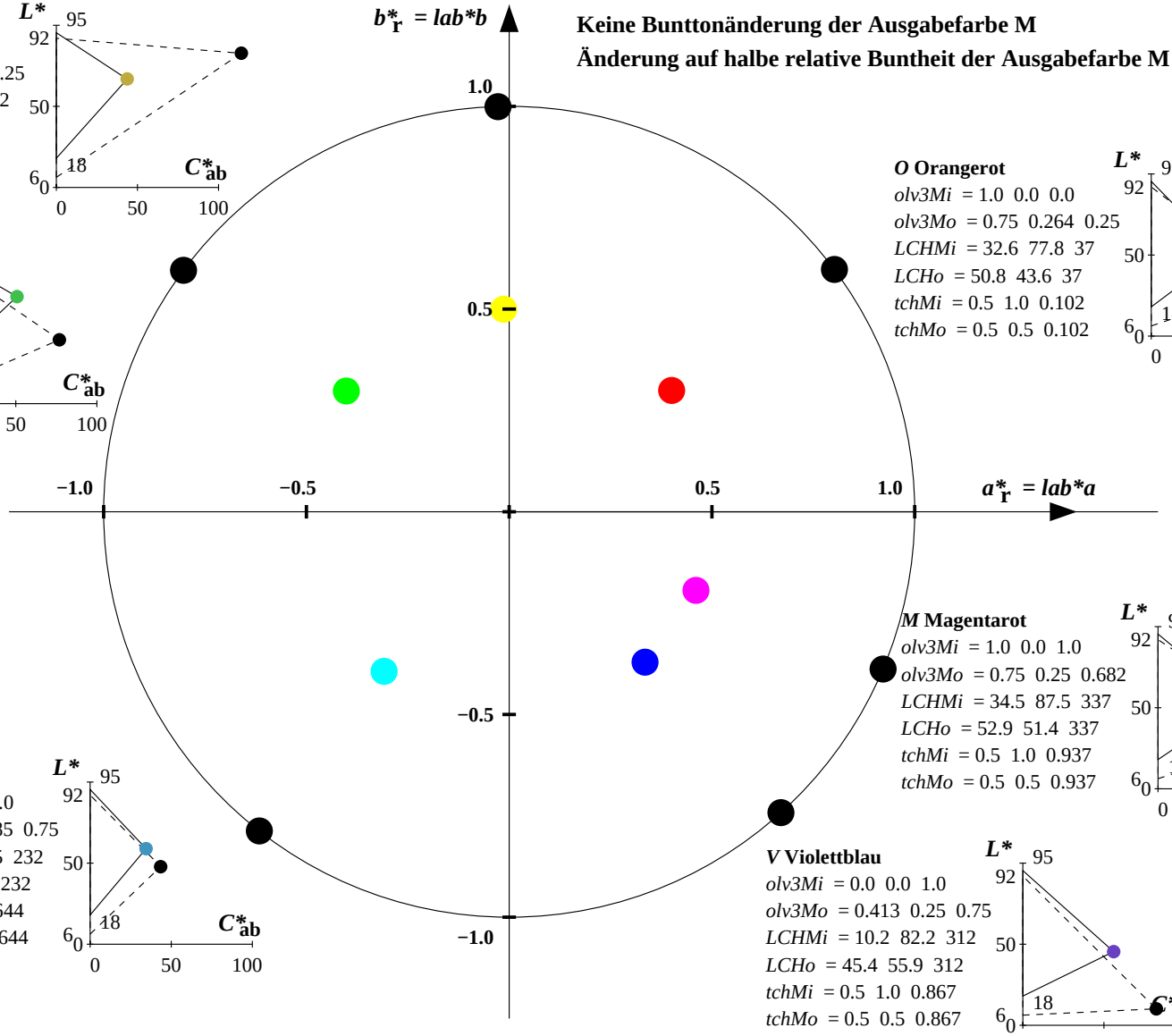
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS18: Ausgabe (o) Farbmetrik-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)

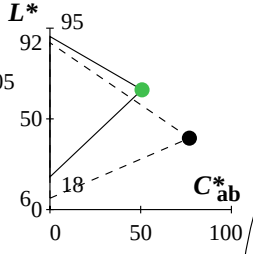
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

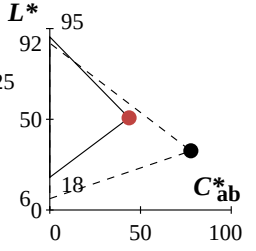


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.75 0.665 0.25
LCHMi = 82.7 114.0 92
LCHo = 66.8 43.6 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

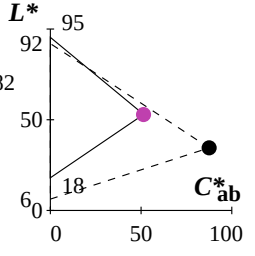
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.25 0.75 0.305
LCHMi = 39.4 76.9 143
LCHo = 66.0 50.7 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.264 0.25
LCHMi = 32.6 77.8 37
LCHo = 50.8 43.6 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102

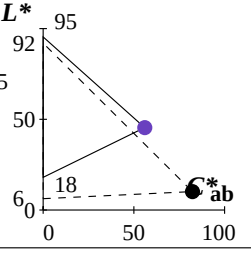


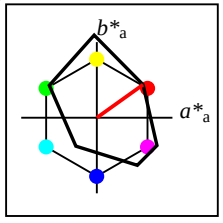
***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.75 0.25 0.682
LCHMi = 34.5 87.5 337
LCHo = 52.9 51.4 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.585 0.75
LCHMi = 47.9 43.5 232
LCHo = 58.9 34.5 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.413 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 45.4 55.9 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867

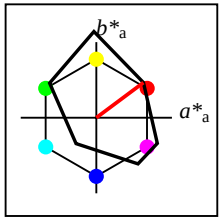




%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

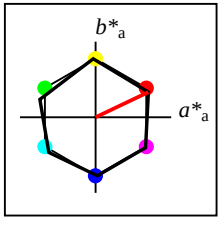
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
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



%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

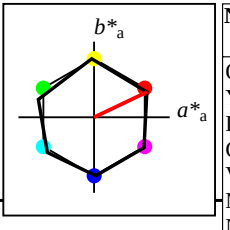


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

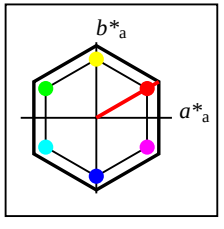
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

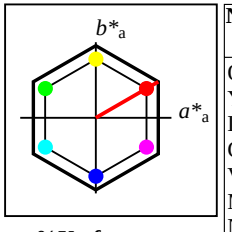
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

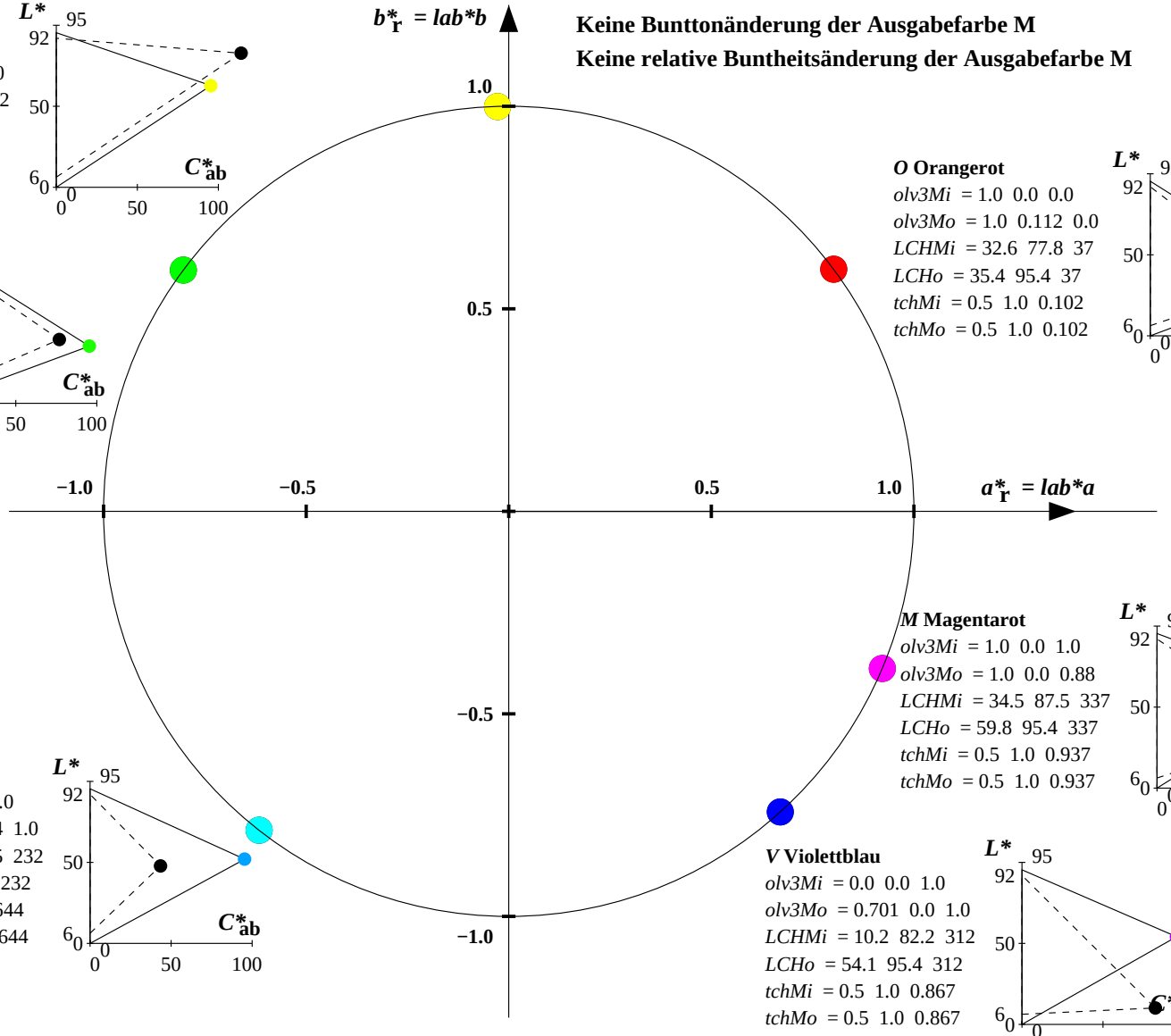
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

NLS00: Ausgabe (o) Farbmetrik-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)

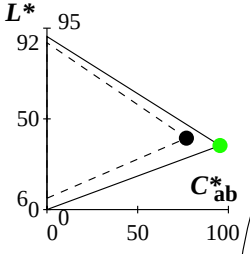
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

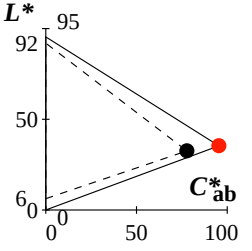


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.973 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 62.8 95.4 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

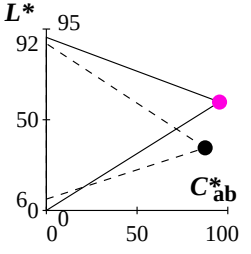
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.109 1.0 0.0
LCHMi = 39.4 76.9 143
LCHo = 35.3 95.4 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.112 0.0
LCHMi = 32.6 77.8 37
LCHo = 35.4 95.4 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

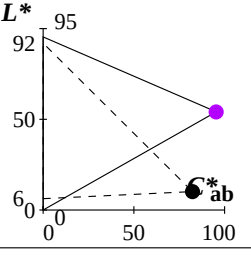


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.88
LCHMi = 34.5 87.5 337
LCHo = 59.8 95.4 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.634 1.0
LCHMi = 47.9 43.5 232
LCHo = 52.0 95.4 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.701 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 54.1 95.4 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



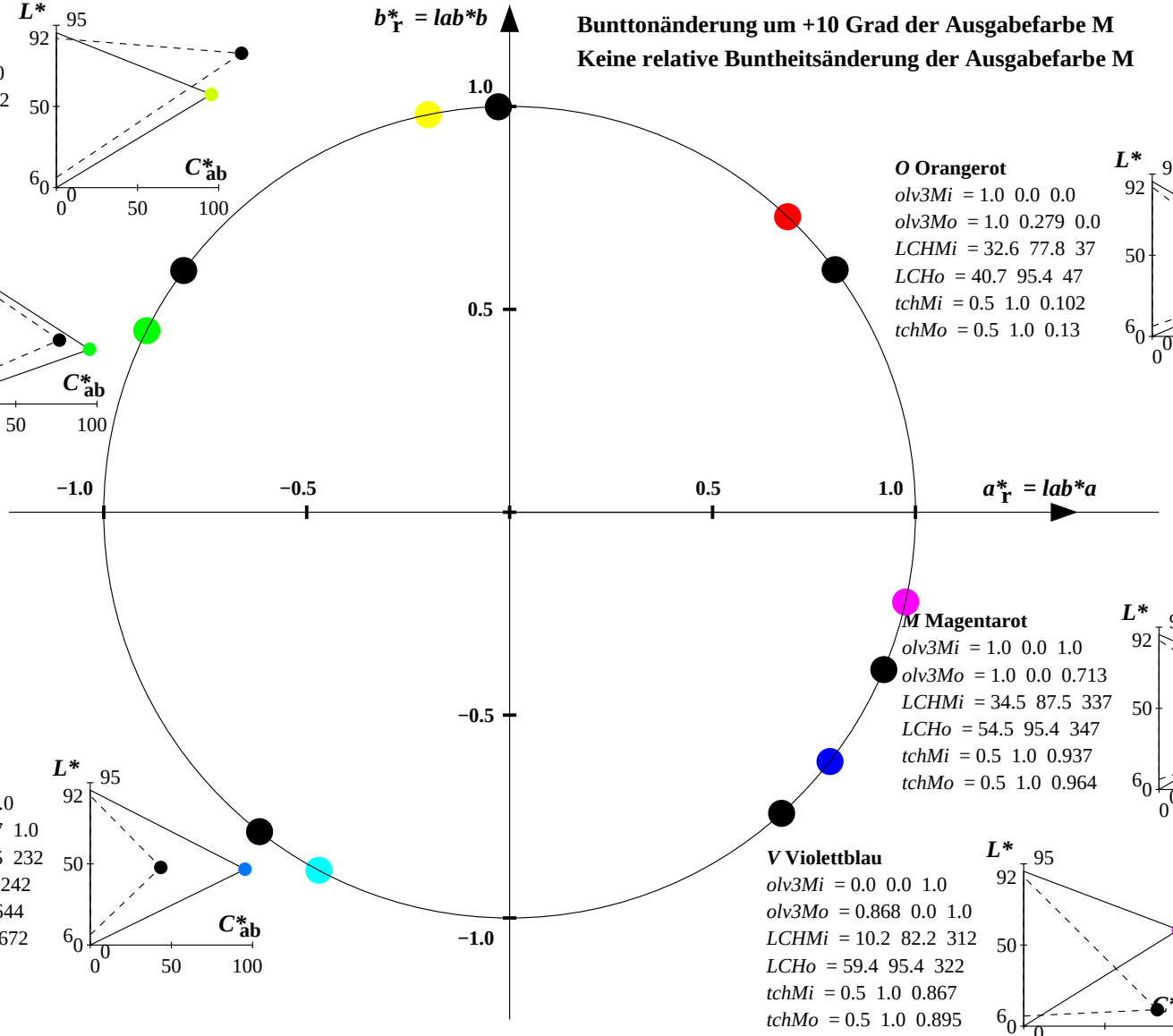
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

NLS00: Ausgabe (o) Farbmetrik-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)

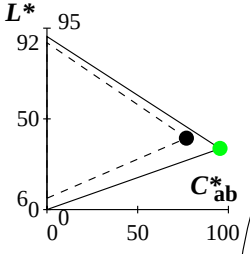
Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

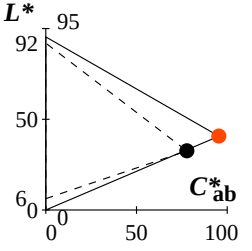


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.807 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 57.5 95.4 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

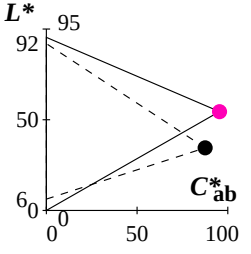
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.057
LCHMi = 39.4 76.9 143
LCHo = 33.6 95.4 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.279 0.0
LCHMi = 32.6 77.8 37
LCHo = 40.7 95.4 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

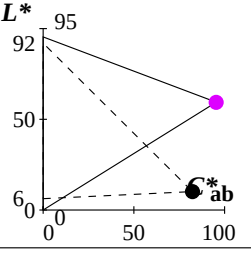


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.713
LCHMi = 34.5 87.5 337
LCHo = 54.5 95.4 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.467 1.0
LCHMi = 47.9 43.5 232
LCHo = 46.7 95.4 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.868 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 59.4 95.4 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895



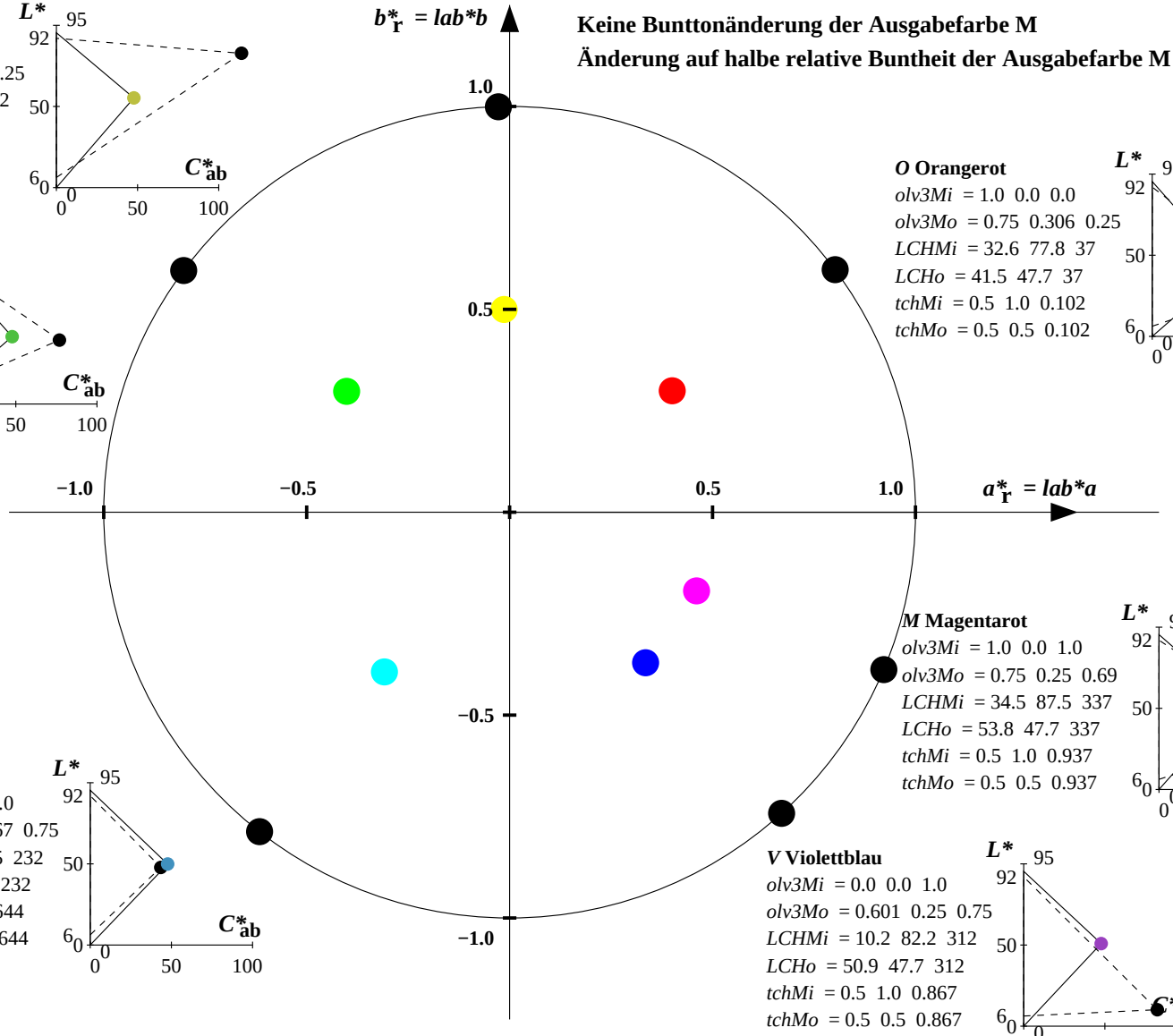
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

NLS00: Ausgabe (o) Farbmetrik-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)

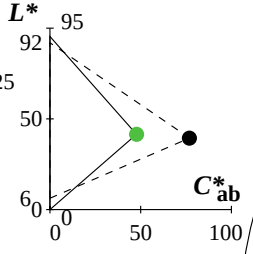
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

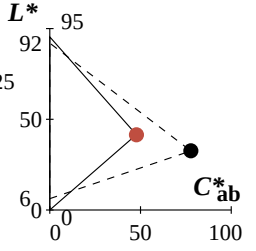


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.737 0.75 0.25
LCHMi = 82.7 114.0 92
LCHo = 55.2 47.7 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

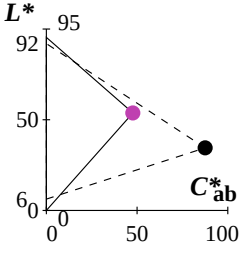
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.305 0.75 0.25
LCHMi = 39.4 76.9 143
LCHo = 41.5 47.7 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.306 0.25
LCHMi = 32.6 77.8 37
LCHo = 41.5 47.7 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102

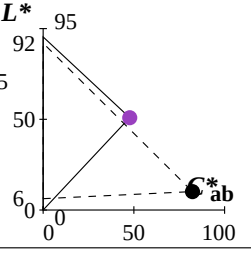


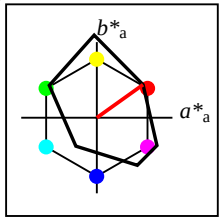
***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.75 0.25 0.69
LCHMi = 34.5 87.5 337
LCHo = 53.8 47.7 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.567 0.75
LCHMi = 47.9 43.5 232
LCHo = 49.8 47.7 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.601 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 50.9 47.7 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867

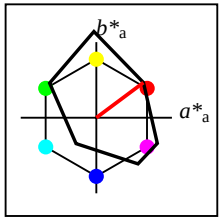




%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

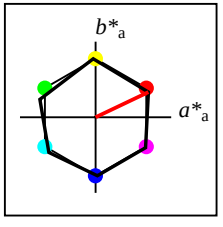
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
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



%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

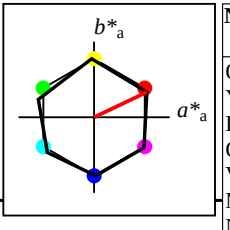


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

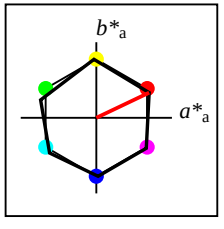
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

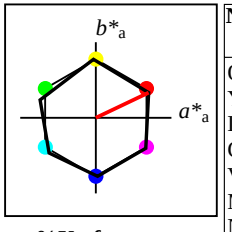
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

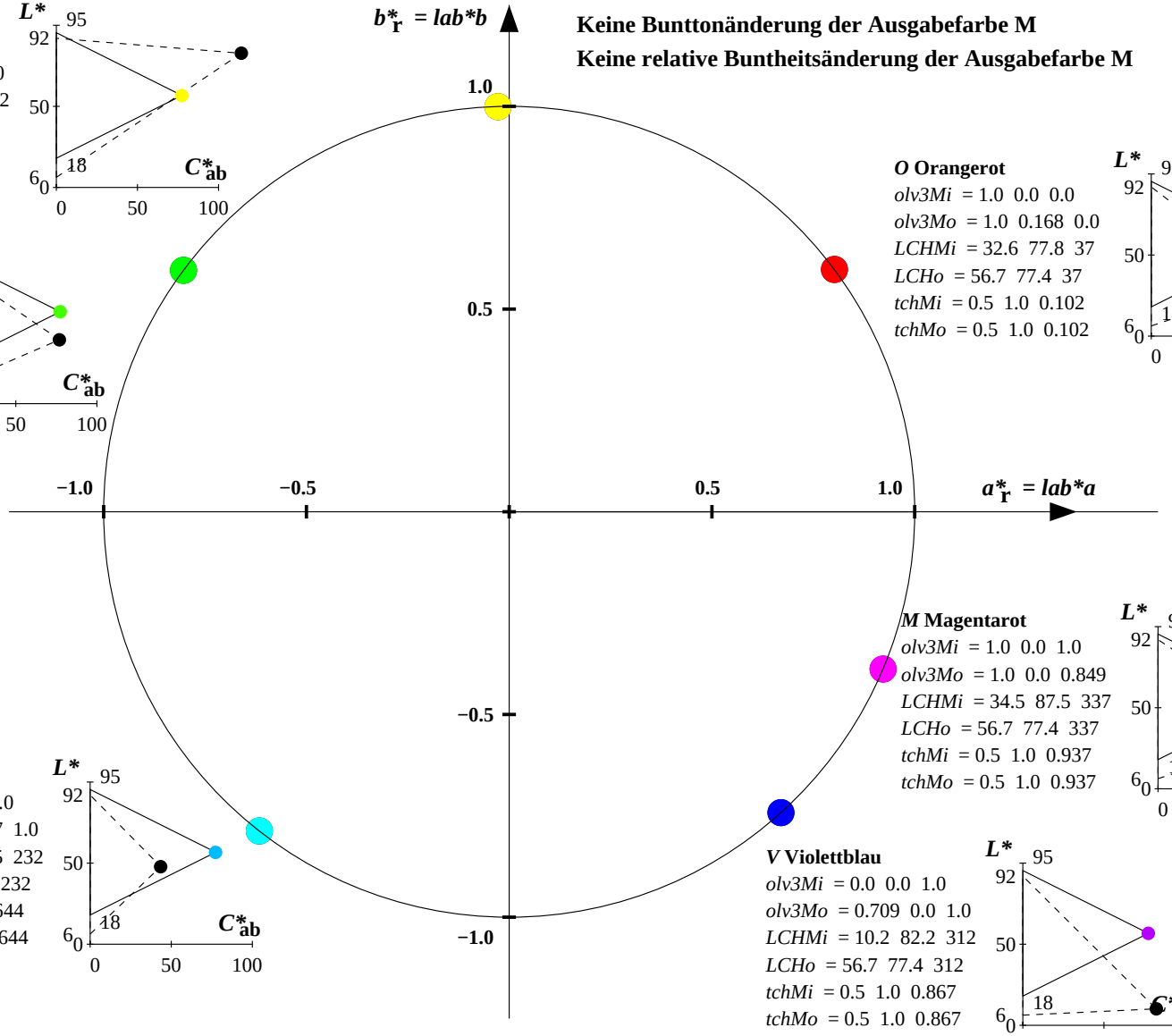
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

NRS18: Ausgabe (o) Farbmetrik-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)

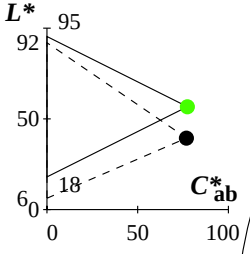
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

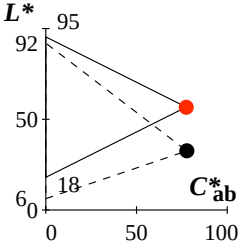


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.989 0.0
LCHMi = 82.7 114.0 92
LCHo = 56.7 77.4 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

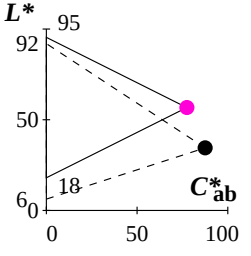
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.269 1.0 0.0
LCHMi = 39.4 76.9 143
LCHo = 56.7 77.4 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.168 0.0
LCHMi = 32.6 77.8 37
LCHo = 56.7 77.4 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

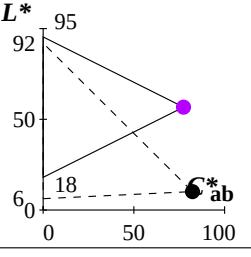


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.849
LCHMi = 34.5 87.5 337
LCHo = 56.7 77.4 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.727 1.0
LCHMi = 47.9 43.5 232
LCHo = 56.7 77.4 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.709 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 56.7 77.4 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



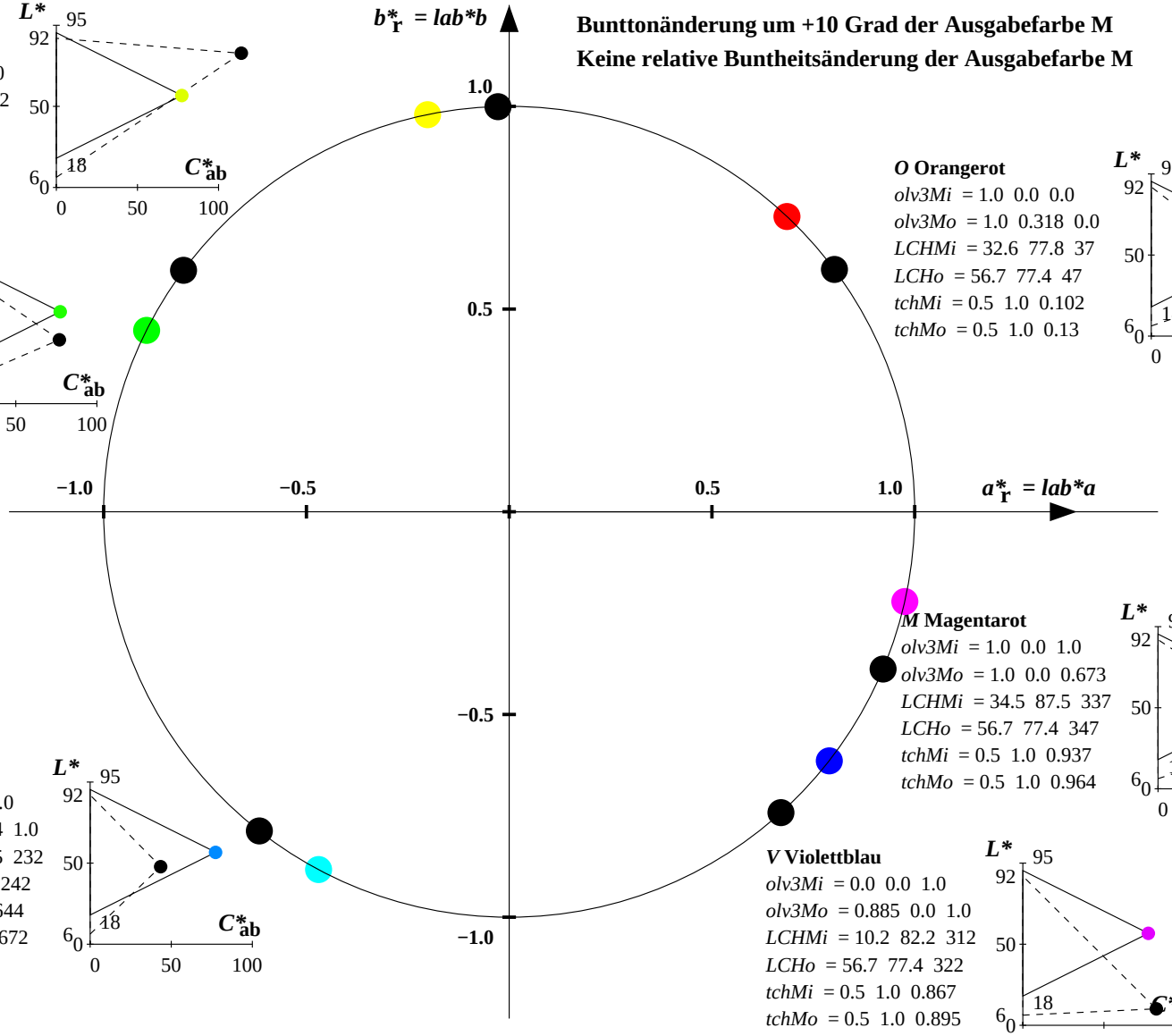
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

NRS18: Ausgabe (o) Farbmetrik-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)

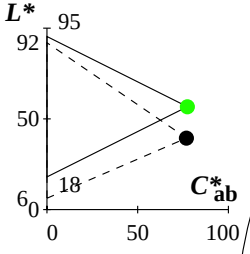
Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

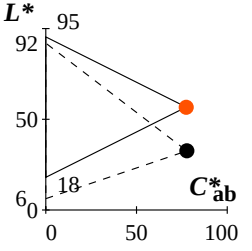


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.867 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 56.7 77.4 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

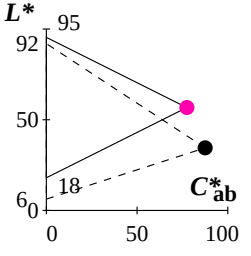
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.126 1.0 0.0
LCHMi = 39.4 76.9 143
LCHo = 56.7 77.4 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.318 0.0
LCHMi = 32.6 77.8 37
LCHo = 56.7 77.4 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

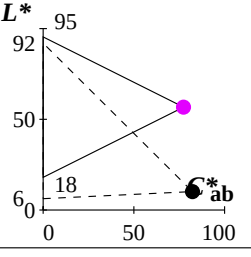


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.673
LCHMi = 34.5 87.5 337
LCHo = 56.7 77.4 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.544 1.0
LCHMi = 47.9 43.5 232
LCHo = 56.7 77.4 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.885 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 56.7 77.4 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895



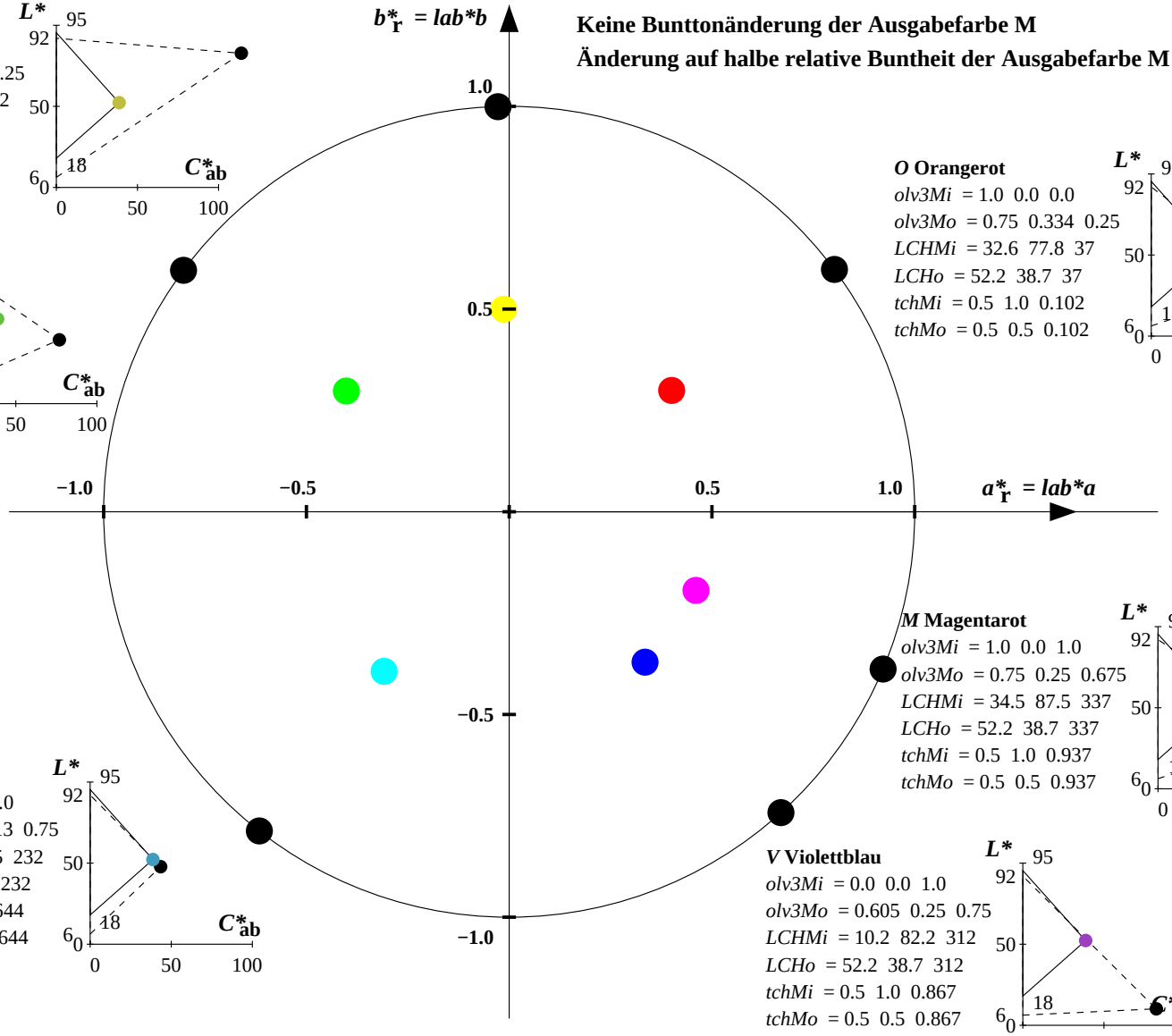
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

NRS18: Ausgabe (o) Farbmetrik-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)

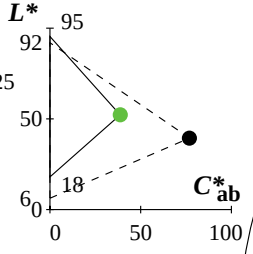
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

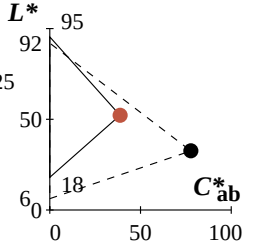


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.75 0.745 0.25
LCHMi = 82.7 114.0 92
LCHo = 52.2 38.7 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

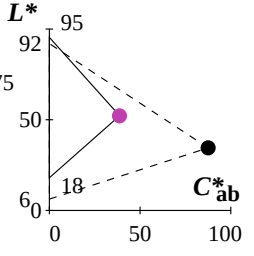
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.384 0.75 0.25
LCHMi = 39.4 76.9 143
LCHo = 52.2 38.7 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.334 0.25
LCHMi = 32.6 77.8 37
LCHo = 52.2 38.7 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102

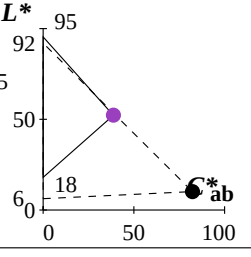


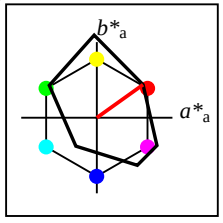
***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.75 0.25 0.675
LCHMi = 34.5 87.5 337
LCHo = 52.2 38.7 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.613 0.75
LCHMi = 47.9 43.5 232
LCHo = 52.2 38.7 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.605 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 52.2 38.7 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867

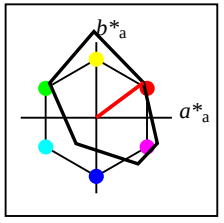




%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

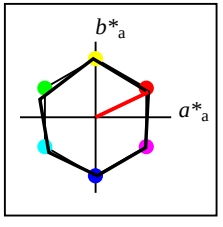
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
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



%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

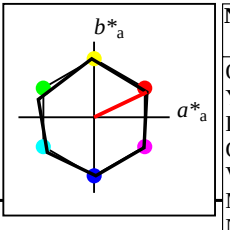


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

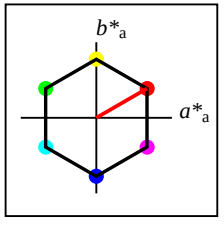
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

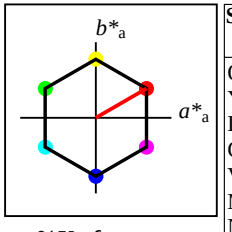
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

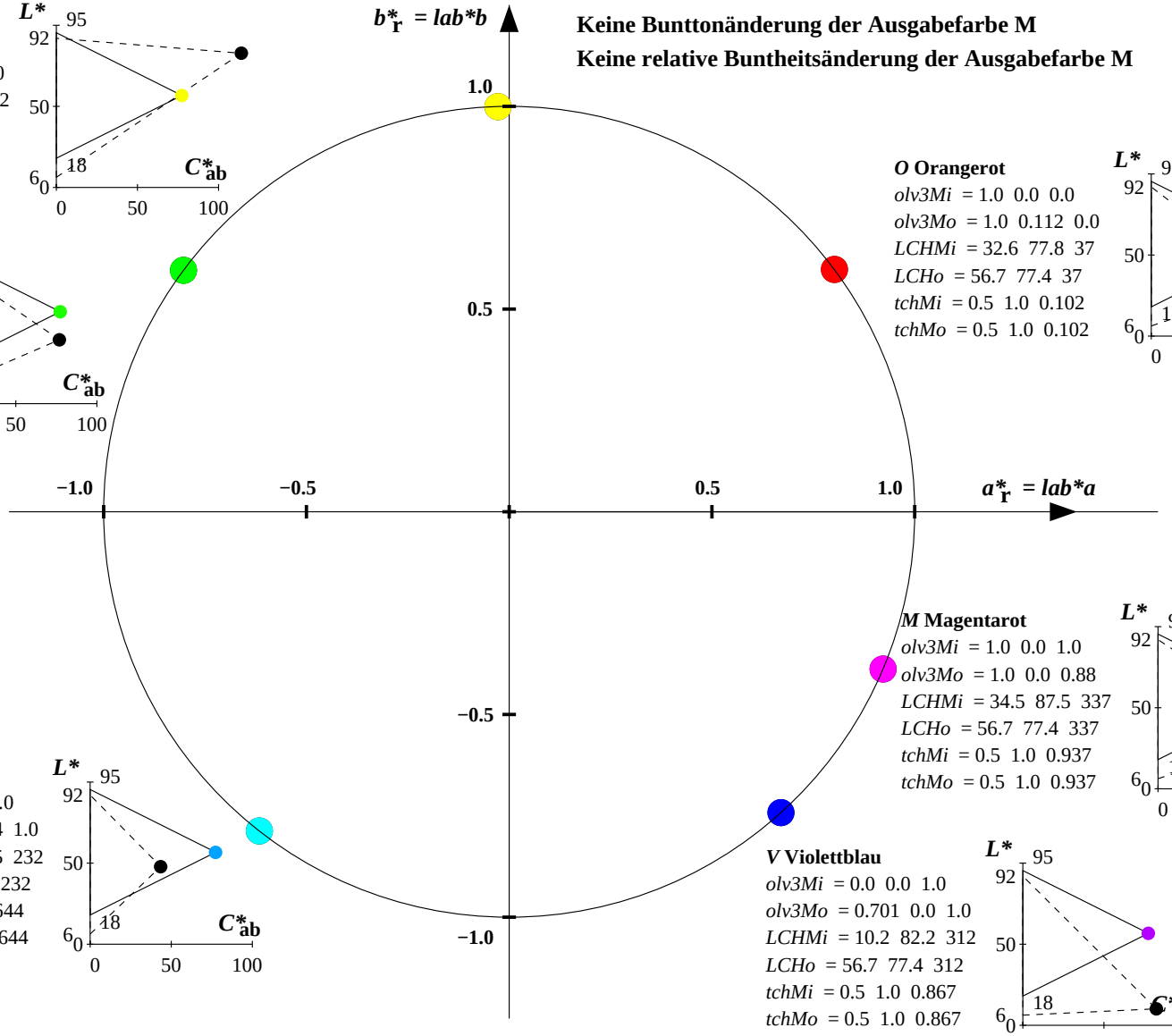
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

SRS18: Ausgabe (o) Farbmetrik-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)

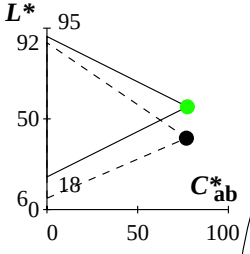
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

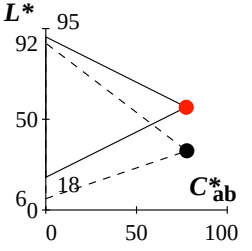


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.973 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 56.7 77.4 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

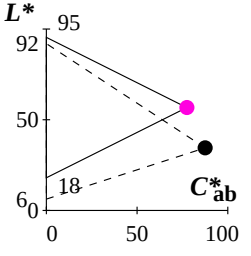
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.109 1.0 0.0
LCHMi = 39.4 76.9 143
LCHo = 56.7 77.4 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.112 0.0
LCHMi = 32.6 77.8 37
LCHo = 56.7 77.4 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

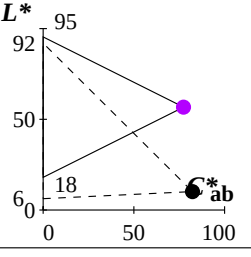


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.88
LCHMi = 34.5 87.5 337
LCHo = 56.7 77.4 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.634 1.0
LCHMi = 47.9 43.5 232
LCHo = 56.7 77.4 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.701 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 56.7 77.4 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



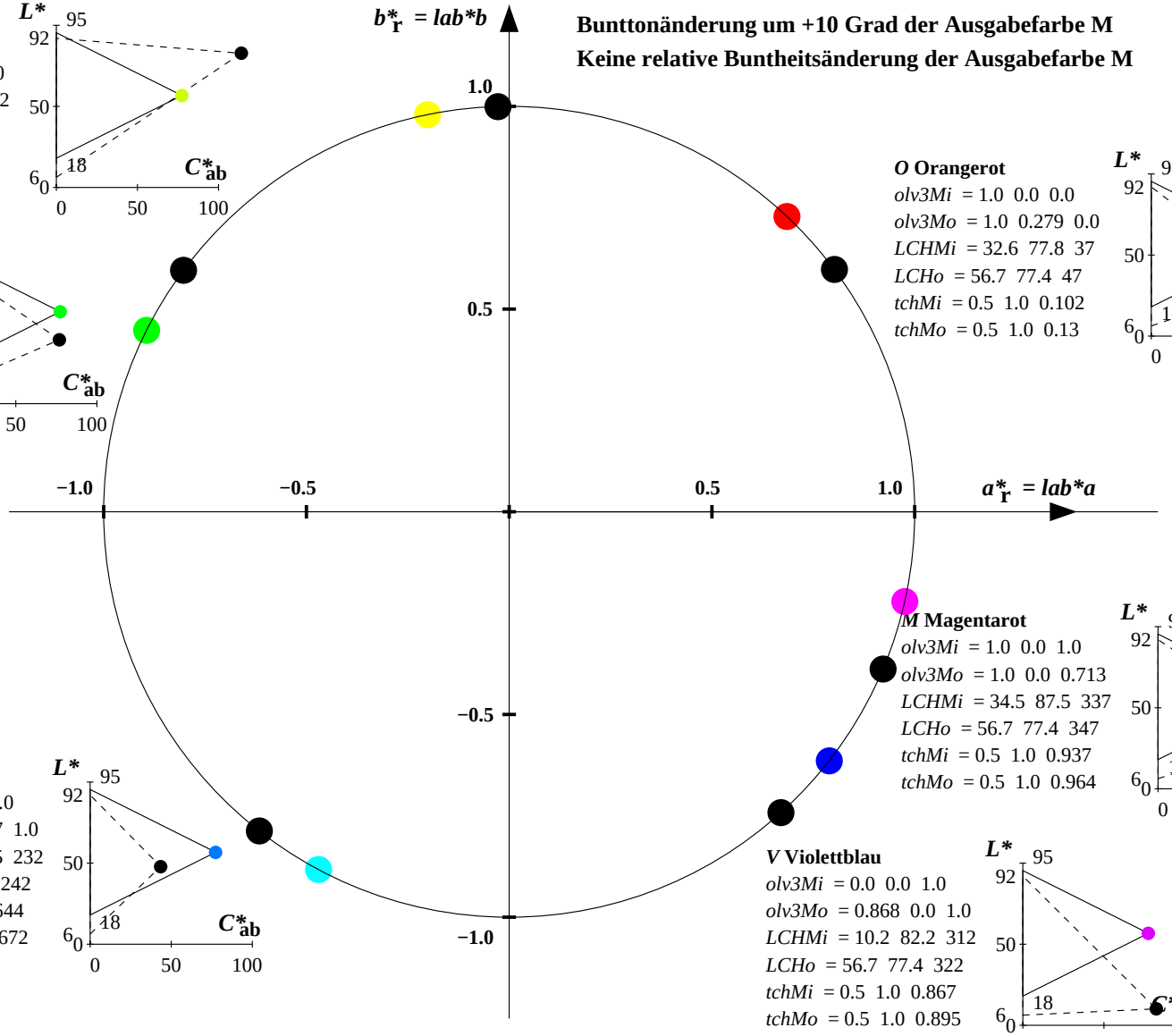
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

SRS18: Ausgabe (o) Farbmetrik-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)

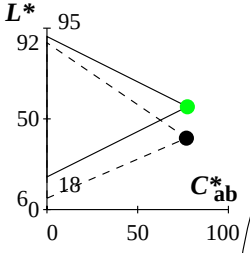
Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

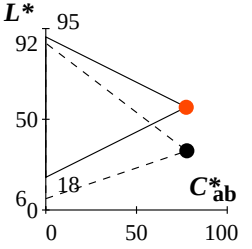


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.807 1.0 0.0
LCHMi = 82.7 114.0 92
LCHo = 56.7 77.4 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

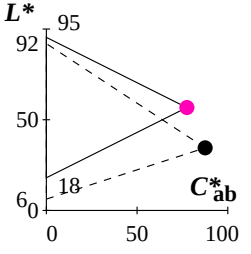
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.057
LCHMi = 39.4 76.9 143
LCHo = 56.7 77.4 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.279 0.0
LCHMi = 32.6 77.8 37
LCHo = 56.7 77.4 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

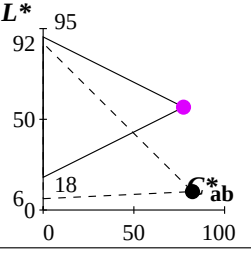


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.713
LCHMi = 34.5 87.5 337
LCHo = 56.7 77.4 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.467 1.0
LCHMi = 47.9 43.5 232
LCHo = 56.7 77.4 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.868 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 56.7 77.4 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895



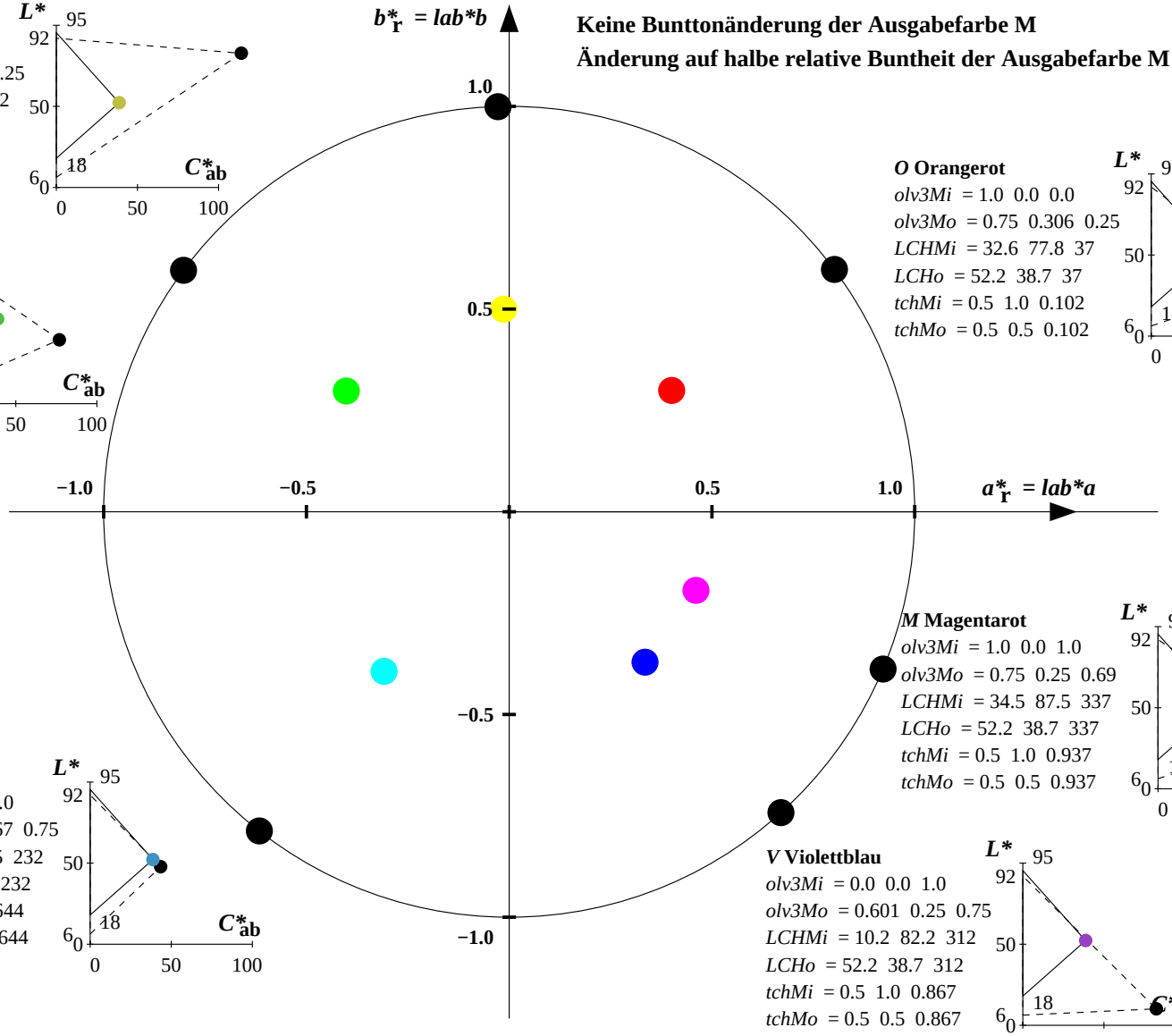
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

SRS18: Ausgabe (o) Farbmetrik-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)

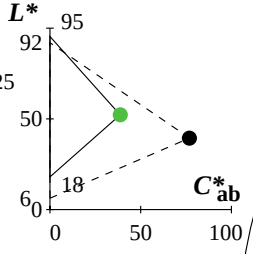
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

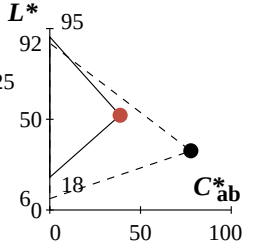


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.737 0.75 0.25
LCHMi = 82.7 114.0 92
LCHo = 52.2 38.7 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

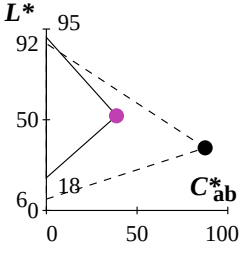
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.305 0.75 0.25
LCHMi = 39.4 76.9 143
LCHo = 52.2 38.7 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.306 0.25
LCHMi = 32.6 77.8 37
LCHo = 52.2 38.7 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102

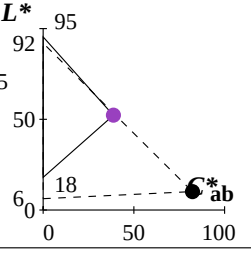


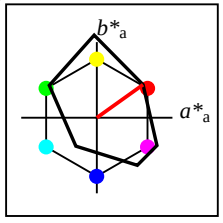
***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.75 0.25 0.69
LCHMi = 34.5 87.5 337
LCHo = 52.2 38.7 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.567 0.75
LCHMi = 47.9 43.5 232
LCHo = 52.2 38.7 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.601 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 52.2 38.7 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867

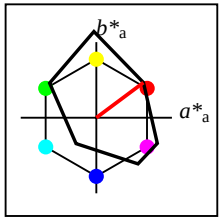




%Umfang
u*rel = 114
%Regularität
g*H,rel = 28
g*C,rel = 43

FRS06

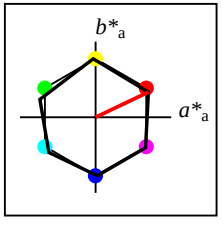
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	−3.5	109.24	109.3	92
L_M	39.43	−62.86	42.8	76.06	146
C_M	47.86	−27.72	−37.61	46.74	234
V_M	10.16	53.56	−62.91	82.63	310
M_M	34.5	79.53	−36.76	87.62	335
N_M	6.25	−1.62	−1.72	2.38	227
W_M	91.97	−0.17	−5.1	5.11	268
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



%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

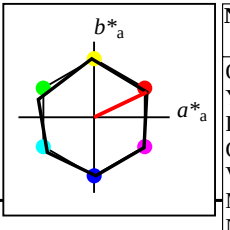


%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

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

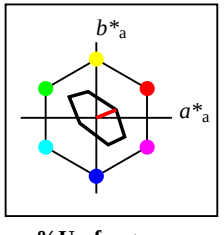
Workflow-Wahlen
für Farbmuster:
1. keine Farbänderung
2. Buntton-Änderung
3. Buntheits-Änderung



%Umfang
u*rel = 100
%Regularität
g*H,rel = 78
g*C,rel = 100

NRS18a; adaptierte CIELAB-Daten

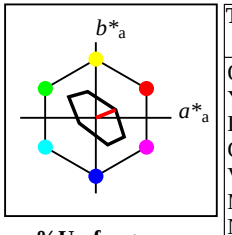
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	69.87	33.29	77.4	25
Y_{Ma}	56.71	−3.1	77.34	77.4	92
L_{Ma}	56.71	−73.68	23.63	77.39	162
C_{Ma}	56.71	−61.81	−46.54	77.39	217
V_{Ma}	56.71	2.35	−77.34	77.39	272
M_{Ma}	56.71	66.07	−40.3	77.4	329
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Siehe ähnliche Dateien: http://www.ps.bam.de/YG62/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20061101-YG62/10L/L62G20FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/YG62/ Form: 29/8, Serie: 1/1, Seite: 29 Seitenz hlung 1

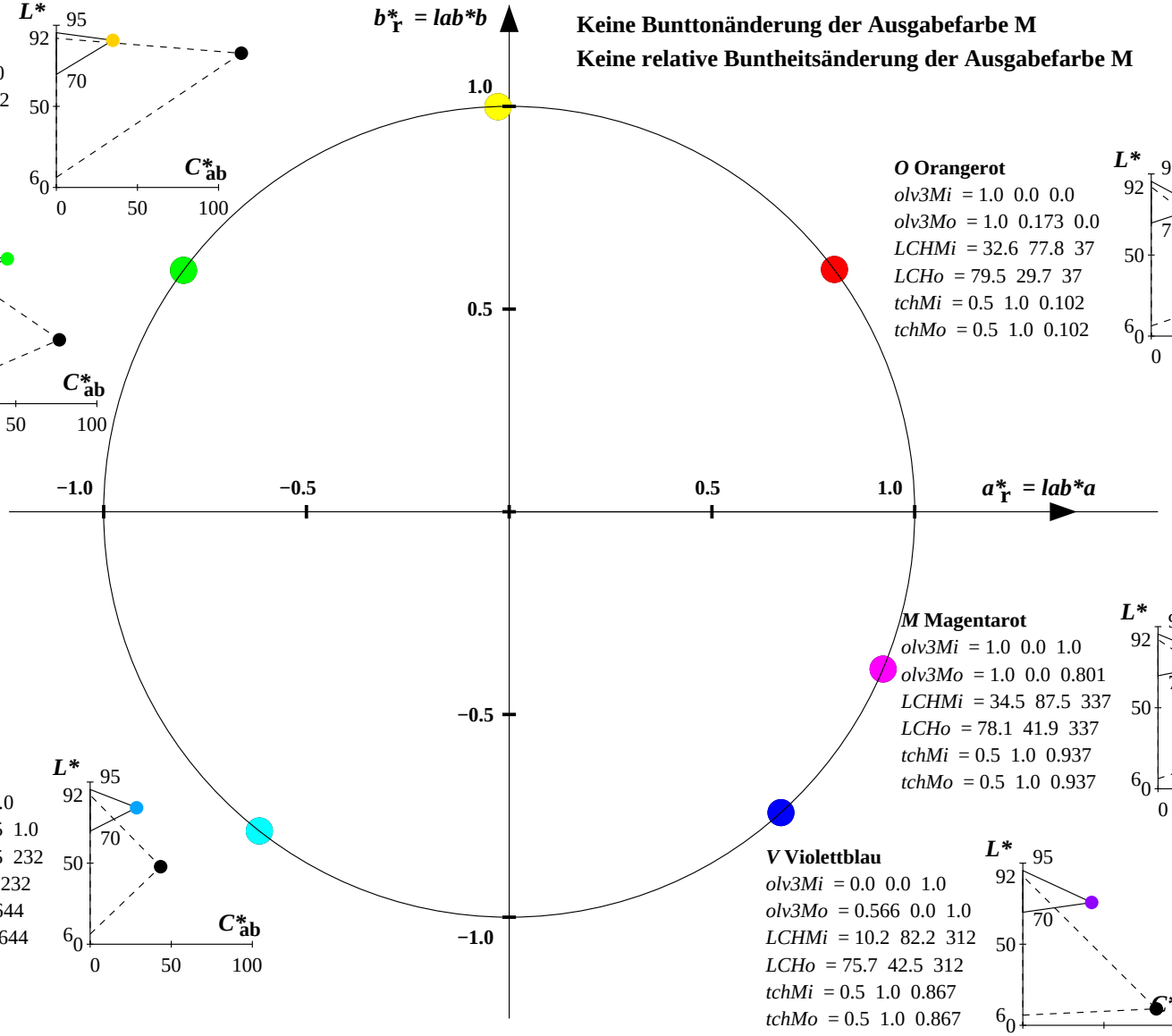
Relatives CIELAB-Buntheitsdiagramm: (a^*_r = *lab*a* , b^*_r = *lab*a*) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS70: Ausgabe (o) Farbmetrik-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)

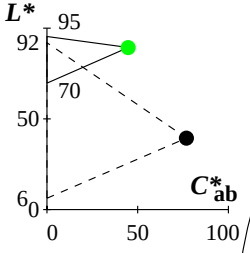
Keine Bunttonänderung der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M

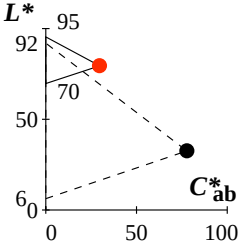


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.816 0.0
LCHMi = 82.7 114.0 92
LCHo = 90.7 34.8 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.254

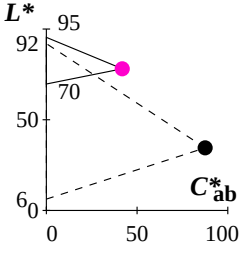
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.02
LCHMi = 39.4 76.9 143
LCHo = 89.4 44.8 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.173 0.0
LCHMi = 32.6 77.8 37
LCHo = 79.5 29.7 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.102

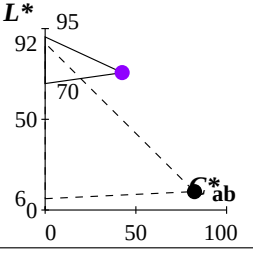


***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.801
LCHMi = 34.5 87.5 337
LCHo = 78.1 41.9 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.645 1.0
LCHMi = 47.9 43.5 232
LCHo = 84.2 28.7 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.566 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 75.7 42.5 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.867



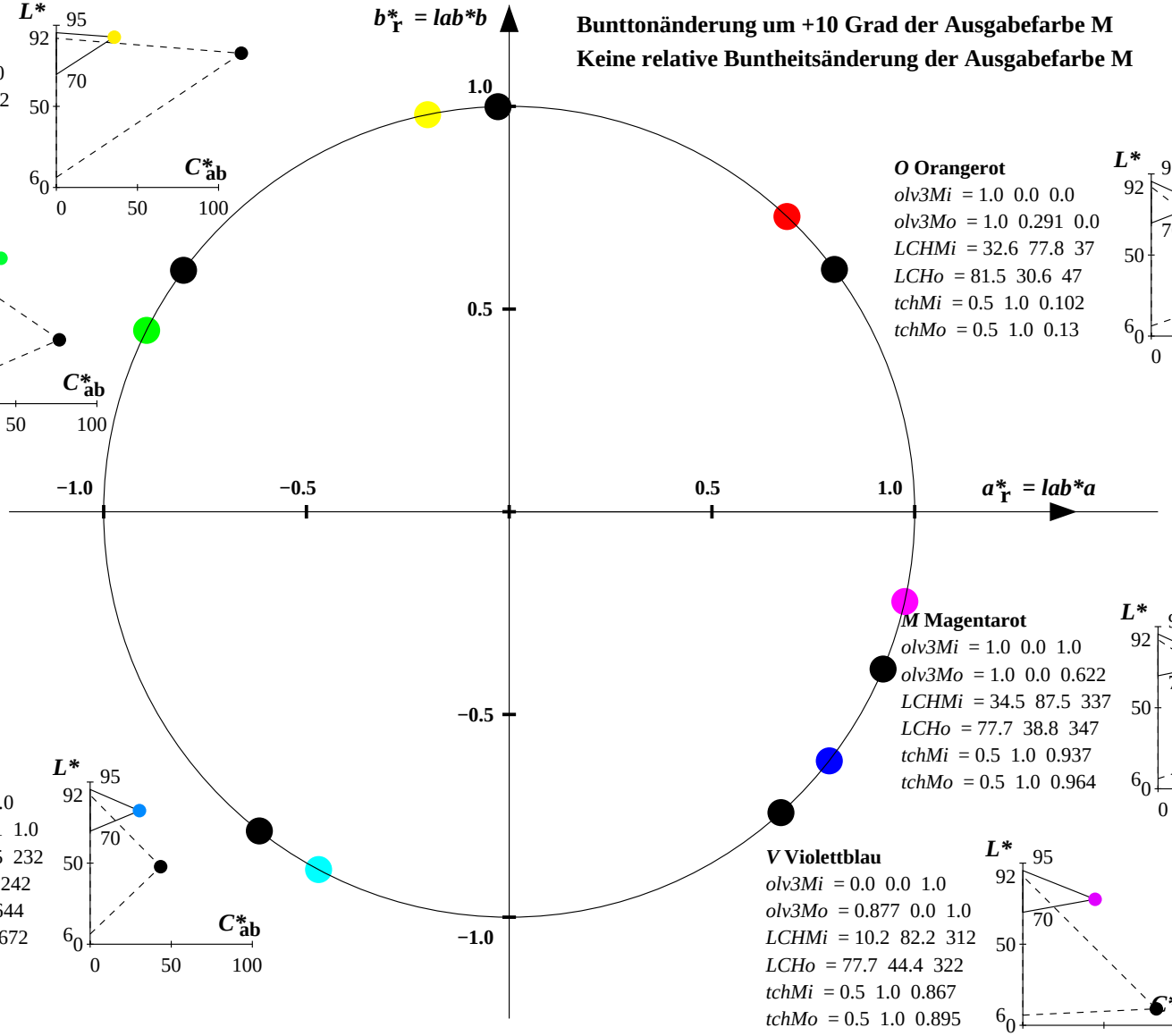
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS70: Ausgabe (o) Farbmetrik-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)

Bunttonänderung um +10 Grad der Ausgabefarbe M

Keine relative Buntheitsänderung der Ausgabefarbe M



***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 1.0 0.934 0.0
LCHMi = 82.7 114.0 92
LCHo = 92.8 35.7 102
tchMi = 0.5 1.0 0.254
tchMo = 0.5 1.0 0.282

***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.0 1.0 0.2
LCHMi = 39.4 76.9 143
LCHo = 89.6 40.8 153
tchMi = 0.5 1.0 0.398
tchMo = 0.5 1.0 0.426

***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 1.0 0.291 0.0
LCHMi = 32.6 77.8 37
LCHo = 81.5 30.6 47
tchMi = 0.5 1.0 0.102
tchMo = 0.5 1.0 0.13

***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 1.0 0.0 0.622
LCHMi = 34.5 87.5 337
LCHo = 77.7 38.8 347
tchMi = 0.5 1.0 0.937
tchMo = 0.5 1.0 0.964

***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.0 0.541 1.0
LCHMi = 47.9 43.5 232
LCHo = 82.3 30.4 242
tchMi = 0.5 1.0 0.644
tchMo = 0.5 1.0 0.672

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.877 0.0 1.0
LCHMi = 10.2 82.2 312
LCHo = 77.7 44.4 322
tchMi = 0.5 1.0 0.867
tchMo = 0.5 1.0 0.895

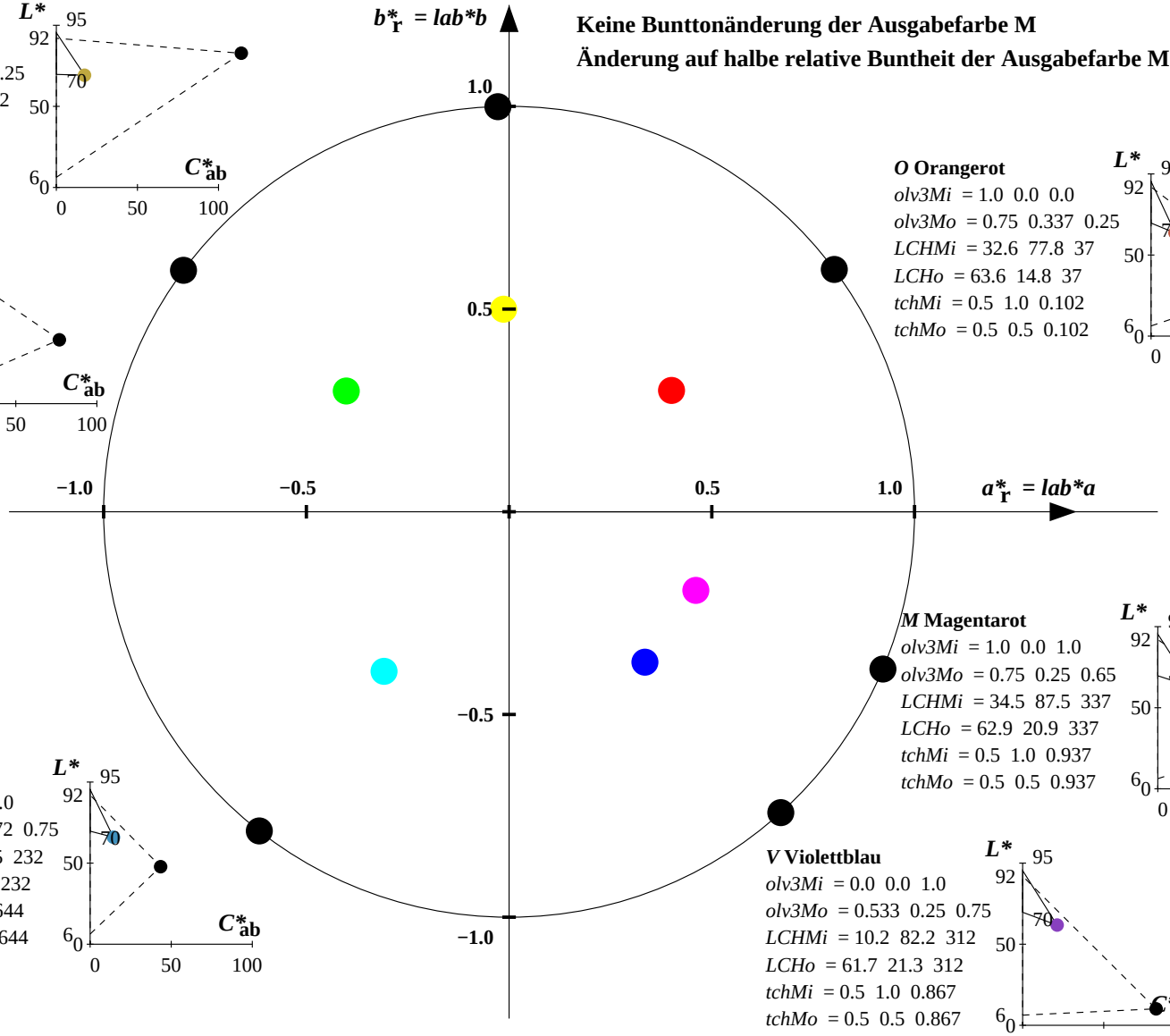
Relatives CIELAB-Buntheitsdiagramm: ($a^*_r = lab^*a$, $b^*_r = lab^*a$) und absolutes CIELAB Bunttondreiecks-Diagramm: (L^*, C^*_{ab}) für Ein- (− −) und Ausgabe (−−−)

FRS06: Eingabe (i) Farbmetrik-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)

TLS70: Ausgabe (o) Farbmetrik-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)

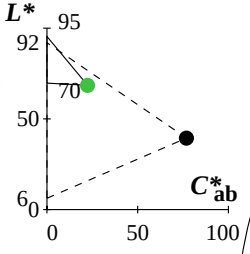
Keine Bunttonänderung der Ausgabefarbe M

Änderung auf halbe relative Buntheit der Ausgabefarbe M

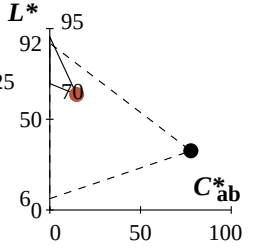


***Y* Gelb**
olv3Mi = 1.0 1.0 0.0
olv3Mo = 0.75 0.658 0.25
LCHMi = 82.7 114.0 92
LCHo = 69.2 17.4 92
tchMi = 0.5 1.0 0.254
tchMo = 0.5 0.5 0.254

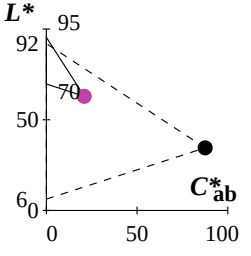
***L* Laubgrün**
olv3Mi = 0.0 1.0 0.0
olv3Mo = 0.25 0.75 0.26
LCHMi = 39.4 76.9 143
LCHo = 68.5 22.4 143
tchMi = 0.5 1.0 0.398
tchMo = 0.5 0.5 0.398



***O* Orangerot**
olv3Mi = 1.0 0.0 0.0
olv3Mo = 0.75 0.337 0.25
LCHMi = 32.6 77.8 37
LCHo = 63.6 14.8 37
tchMi = 0.5 1.0 0.102
tchMo = 0.5 0.5 0.102



***M* Magentarot**
olv3Mi = 1.0 0.0 1.0
olv3Mo = 0.75 0.25 0.65
LCHMi = 34.5 87.5 337
LCHo = 62.9 20.9 337
tchMi = 0.5 1.0 0.937
tchMo = 0.5 0.5 0.937



***C* Cyanblau**
olv3Mi = 0.0 1.0 1.0
olv3Mo = 0.25 0.572 0.75
LCHMi = 47.9 43.5 232
LCHo = 66.0 14.4 232
tchMi = 0.5 1.0 0.644
tchMo = 0.5 0.5 0.644

***V* Violettblau**
olv3Mi = 0.0 0.0 1.0
olv3Mo = 0.533 0.25 0.75
LCHMi = 10.2 82.2 312
LCHo = 61.7 21.3 312
tchMi = 0.5 1.0 0.867
tchMo = 0.5 0.5 0.867