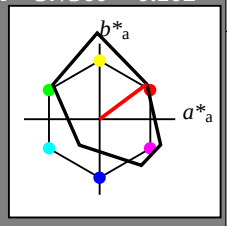
Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 37/360 = 0.102*
*lab*tch* und *lab*nch*

D65: Buntton O
LCH*Ma: 33 78 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olvi4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	62.27	30.47	19.3
*LAB*LABa*	62.27	31.16	23.24
*LAB*TCHa*	75.0	38.87	36.72

relative* CIELAB *lab*

*lab*lab*	0.653	0.401	0.299
*lab*tch*	0.75	0.5	0.102
*lab*nch*	0.0	0.5	0.102

***relative* Natural Colour (NC)**

*lab*lrj*	0.653	0.487	0.112
*lab*tce*	0.75	0.5	0.036
*lab*ncE*	0.0	0.5	r14j

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olvi4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	19.42	29.75	20.99
*LAB*LABa*	19.42	31.16	23.24
*LAB*TCHa*	25.01	38.87	36.72

relative* CIELAB *lab*

*lab*lab*	0.154	0.401	0.299
*lab*tch*	0.25	0.5	0.102
*lab*nch*	0.5	0.5	0.102

***relative* Natural Colour (NC)**

*lab*lrj*	0.154	0.487	0.112
*lab*tce*	0.25	0.5	0.036
*lab*ncE*	0.5	0.5	r14j

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	0.0	(1.0)
*cmyn3**	0.0	1.0	1.0	(0.0)
*olvi4**	1.0	0.0	0.0	1.0
*cmyn4**	0.0	1.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	32.57	61.13	43.71
*LAB*LABa*	32.57	62.31	46.48
*LAB*TCHa*	50.0	77.74	36.72

relative* CIELAB *lab*

*lab*lab*	0.307	0.801	0.598
*lab*tch*	0.5	1.0	0.102
*lab*nch*	0.0	1.0	0.102

***relative* Natural Colour (NC)**

*lab*lrj*	0.307	0.974	0.224
*lab*tce*	0.5	1.0	0.036
*lab*ncE*	0.0	1.0	r14j

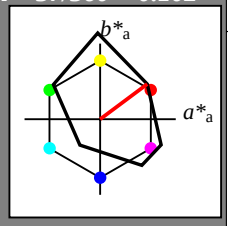
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
*n** = 1,0
0,25 0,50 0,75 1,00
relative Buntheit *c*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 37/360 = 0.102*
*lab*tch* und *lab*nch*

D65: Buntton O
LCH*Ma: 33 78 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

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*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
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***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

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*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olvi4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0

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*lab*lab*	0.653	0.401	0.299
*lab*tch*	0.75	0.5	0.102
*lab*nch*	0.0	0.5	0.102

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*lab*lrj*	0.653	0.487	0.112
*lab*tce*	0.75	0.5	0.036
*lab*ncE*	0.0	0.5	r14j

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*olvi3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olvi4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5

***standard* and *adapted* CIELAB**

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*lab*tce*	0.25	0.5	0.036
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*olvi3**	1.0	0.0	0.0	(1.0)
*cmyn3**	0.0	1.0	1.0	(0.0)
*olvi4**	1.0	0.0	0.0	1.0
*cmyn4**	0.0	1.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	32.57	61.13	43.71
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*LAB*TCHa*	50.0	77.74	36.72

relative* CIELAB *lab*

*lab*lab*	0.307	0.801	0.598
*lab*tch*	0.5	1.0	0.102
*lab*nch*	0.0	1.0	0.102

***relative* Natural Colour (NC)**

*lab*lrj*	0.307	0.974	0.224
*lab*tce*	0.5	1.0	0.036
*lab*ncE*	0.0	1.0	r14j

*n** = 0,00
Schwarzheit *n**
*n** = 0,50
*n** = 1,0
0,25 0,50 0,75 1,00
relative Buntheit *c*

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.102 (links)
3 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.102 (rechts)

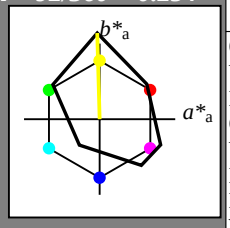
BAM-Prüfvorlage VG21; Farbmetrik-Systeme FRS06 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 92/360 = 0.254*
*lab*tch* und *lab*nch*

D65: Buntton Y
LCH*Ma: 83 114 92
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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*$_{rel}$ = 115
%Regularität
g*$_{H,rel}$ = 28
g*$_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	0.5	(1.0)
*cmyn3**	0.0	0.0	0.5	(0.0)
*olvi4**	1.0	1.0	0.5	1.0
*cmyn4**	0.0	0.0	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	87.34	−1.83	52.05
*LAB*LABa*	87.34	−1.58	56.98
*LAB*TCHa*	75.0	57.0	91.59

relative* CIELAB *lab*

*lab*lab*	0.946	−0.013	0.5
*lab*tch*	0.75	0.5	0.254
*lab*nch*	0.0	0.5	0.254

***relative* Natural Colour (NC)**

*lab*lrj*	0.946	0.004	0.5
*lab*tce*	0.75	0.5	0.249
*lab*ncE*	0.0	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.0	(1.0)
*cmyn3**	0.5	0.5	1.0	(0.0)
*olvi4**	1.0	1.0	0.5	0.5
*cmyn4**	0.0	0.0	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	44.49	−2.56	53.74
*LAB*LABa*	44.49	−1.58	56.98
*LAB*TCHa*	25.01	57.0	91.59

relative* CIELAB *lab*

*lab*lab*	0.446	−0.013	0.5
*lab*tch*	0.25	0.5	0.254
*lab*nch*	0.5	0.5	0.254

***relative* Natural Colour (NC)**

*lab*lrj*	0.446	0.004	0.5
*lab*tce*	0.25	0.5	0.249
*lab*ncE*	0.5	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	0.0	(1.0)
*cmyn3**	0.0	0.0	1.0	(0.0)
*olvi4**	1.0	1.0	0.0	1.0
*cmyn4**	0.0	0.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	82.72	−3.5	109.22
*LAB*LABa*	82.72	−3.16	113.96
*LAB*TCHa*	50.0	114.01	91.59

relative* CIELAB *lab*

*lab*lab*	0.892	−0.027	0.999
*lab*tch*	0.5	1.0	0.254
*lab*nch*	0.0	1.0	0.254

***relative* Natural Colour (NC)**

*lab*lrj*	0.892	0.007	1.0
*lab*tce*	0.5	1.0	0.249
*lab*ncE*	0.0	1.0	r99j

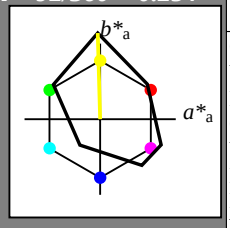
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 92/360 = 0.254*
*lab*tch* und *lab*nch*

D65: Buntton Y
LCH*Ma: 83 114 92
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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*$_{rel}$ = 115
%Regularität
g*$_{H,rel}$ = 28
g*$_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	0.5	(1.0)
*cmyn3**	0.0	0.0	0.5	(0.0)
*olvi4**	1.0	1.0	0.5	1.0
*cmyn4**	0.0	0.0	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	87.34	−1.83	52.05
*LAB*LABa*	87.34	−1.58	56.98
*LAB*TCHa*	75.0	57.0	91.59

relative* CIELAB *lab*

*lab*lab*	0.946	−0.013	0.5
*lab*tch*	0.75	0.5	0.254
*lab*nch*	0.0	0.5	0.254

***relative* Natural Colour (NC)**

*lab*lrj*	0.946	0.004	0.5
*lab*tce*	0.75	0.5	0.249
*lab*ncE*	0.0	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.0	(1.0)
*cmyn3**	0.5	0.5	1.0	(0.0)
*olvi4**	1.0	1.0	0.5	0.5
*cmyn4**	0.0	0.0	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	44.49	−2.56	53.74
*LAB*LABa*	44.49	−1.58	56.98
*LAB*TCHa*	25.01	57.0	91.59

relative* CIELAB *lab*

*lab*lab*	0.446	−0.013	0.5
*lab*tch*	0.25	0.5	0.254
*lab*nch*	0.5	0.5	0.254

***relative* Natural Colour (NC)**

*lab*lrj*	0.446	0.004	0.5
*lab*tce*	0.25	0.5	0.249
*lab*ncE*	0.5	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	0.0	(1.0)
*cmyn3**	0.0	0.0	1.0	(0.0)
*olvi4**	1.0	1.0	0.0	1.0
*cmyn4**	0.0	0.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	82.72	−3.5	109.22
*LAB*LABa*	82.72	−3.16	113.96
*LAB*TCHa*	50.0	114.01	91.59

relative* CIELAB *lab*

*lab*lab*	0.892	−0.027	0.999
*lab*tch*	0.5	1.0	0.254
*lab*nch*	0.0	1.0	0.254

***relative* Natural Colour (NC)**

*lab*lrj*	0.892	0.007	1.0
*lab*tce*	0.5	1.0	0.249
*lab*ncE*	0.0	1.0	r99j

*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

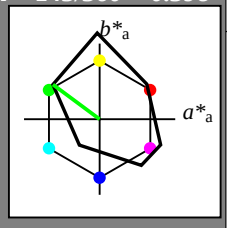
VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.254 (links)
3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.254 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 143/360 = 0.398*
*lab*tch* und *lab*nch*

D65: Buntton L
LCH*Ma: 39 77 143
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	0.5	(1.0)
*cmyn3**	0.5	0.0	0.5	(0.0)
*olvi4**	0.5	1.0	0.5	1.0
*cmyn4**	0.5	0.0	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	65.7	−31.51	18.84
*LAB*LABa*	65.7	−30.88	22.91
*LAB*TCHa*	75.0	38.46	143.44

relative* CIELAB *lab*

*lab*lab*	0.693	−0.401	0.298
*lab*tch*	0.75	0.5	0.398
*lab*nch*	0.0	0.5	0.398

***relative* Natural Colour (NC)**

*lab*lrj*	0.693	−0.471	0.166
*lab*tce*	0.75	0.5	0.446
*lab*ncE*	0.0	0.5	j78g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.0	(1.0)
*cmyn3**	1.0	0.5	1.0	(0.0)
*olvi4**	0.5	1.0	0.5	0.5
*cmyn4**	0.5	0.0	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	22.85	−32.23	20.53
*LAB*LABa*	22.85	−30.88	22.91
*LAB*TCHa*	25.01	38.46	143.44

relative* CIELAB *lab*

*lab*lab*	0.194	−0.401	0.298
*lab*tch*	0.25	0.5	0.398
*lab*nch*	0.5	0.5	0.398

***relative* Natural Colour (NC)**

*lab*lrj*	0.194	−0.471	0.166
*lab*tce*	0.25	0.5	0.446
*lab*ncE*	0.5	0.5	j78g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	0.0	(1.0)
*cmyn3**	1.0	0.0	1.0	(0.0)
*olvi4**	0.0	1.0	0.0	1.0
*cmyn4**	1.0	0.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	39.43	−62.85	42.79
*LAB*LABa*	39.43	−61.78	45.83
*LAB*TCHa*	50.0	76.93	143.44

relative* CIELAB *lab*

*lab*lab*	0.387	−0.802	0.596
*lab*tch*	0.5	1.0	0.398
*lab*nch*	0.0	1.0	0.398

***relative* Natural Colour (NC)**

*lab*lrj*	0.387	−0.942	0.332
*lab*tce*	0.5	1.0	0.446
*lab*ncE*	0.0	1.0	j78g

n = 0,00*

Schwarzheit *n**

n = 0,50*

0,25 0,50 0,75 1,00

relative Buntheit *c**

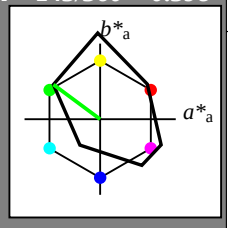
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 143/360 = 0.398*
*lab*tch* und *lab*nch*

D65: Buntton L
LCH*Ma: 39 77 143
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	0.5	(1.0)
*cmyn3**	0.5	0.0	0.5	(0.0)
*olvi4**	0.5	1.0	0.5	1.0
*cmyn4**	0.5	0.0	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	65.7	−31.51	18.84
*LAB*LABa*	65.7	−30.88	22.91
*LAB*TCHa*	75.0	38.46	143.44

relative* CIELAB *lab*

*lab*lab*	0.693	−0.401	0.298
*lab*tch*	0.75	0.5	0.398
*lab*nch*	0.0	0.5	0.398

***relative* Natural Colour (NC)**

*lab*lrj*	0.693	−0.471	0.166
*lab*tce*	0.75	0.5	0.446
*lab*ncE*	0.0	0.5	j78g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.0	(1.0)
*cmyn3**	1.0	0.5	1.0	(0.0)
*olvi4**	0.5	1.0	0.5	0.5
*cmyn4**	0.5	0.0	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	22.85	−32.23	20.53
*LAB*LABa*	22.85	−30.88	22.91
*LAB*TCHa*	25.01	38.46	143.44

relative* CIELAB *lab*

*lab*lab*	0.194	−0.401	0.298
*lab*tch*	0.25	0.5	0.398
*lab*nch*	0.5	0.5	0.398

***relative* Natural Colour (NC)**

*lab*lrj*	0.194	−0.471	0.166
*lab*tce*	0.25	0.5	0.446
*lab*ncE*	0.5	0.5	j78g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	0.0	(1.0)
*cmyn3**	1.0	0.0	1.0	(0.0)
*olvi4**	0.0	1.0	0.0	1.0
*cmyn4**	1.0	0.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	39.43	−62.85	42.79
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*lab*tch*	0.5	1.0	0.398
*lab*nch*	0.0	1.0	0.398

***relative* Natural Colour (NC)**

*lab*lrj*	0.387	−0.942	0.332
*lab*tce*	0.5	1.0	0.446
*lab*ncE*	0.0	1.0	j78g

n = 0,00*

Schwarzheit *n**

n = 0,50*

0,25 0,50 0,75 1,00

relative Buntheit *c**

n = 1,0*

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 143/360 = 0.398 (links)

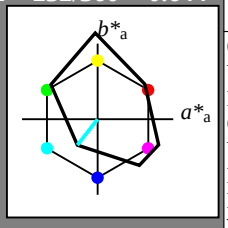
3 stufige Reihen für konstanten CIELAB Buntton 143/360 = 0.398 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 232/360 = 0.644*
*lab*tch* und *lab*nch*

D65: Buntton C
LCH*Ma: 48 43 232
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	1.0	(1.0)
*cmyn3**	0.5	0.0	0.0	(0.0)
*olvi4**	0.5	1.0	1.0	1.0
*cmyn4**	0.5	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	69.91	−13.94	−21.35
*LAB*LABa*	69.91	−13.39	−17.11
*LAB*TCHa*	75.0	21.74	231.95

relative* CIELAB *lab*

*lab*lab*	0.743	−0.307	−0.393
*lab*tch*	0.75	0.5	0.644
*lab*nch*	0.0	0.5	0.644

***relative* Natural Colour (NC)**

*lab*lrj*	0.743	−0.266	−0.422
*lab*tce*	0.75	0.5	0.66
*lab*ncE*	0.0	0.5	g64b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.5	(1.0)
*cmyn3**	1.0	0.5	0.5	(0.0)
*olvi4**	0.5	1.0	1.0	0.5
*cmyn4**	0.5	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	27.06	−14.67	−19.66
*LAB*LABa*	27.06	−13.39	−17.11
*LAB*TCHa*	25.01	21.74	231.95

relative* CIELAB *lab*

*lab*lab*	0.243	−0.307	−0.393
*lab*tch*	0.25	0.5	0.644
*lab*nch*	0.5	0.5	0.644

***relative* Natural Colour (NC)**

*lab*lrj*	0.243	−0.266	−0.422
*lab*tce*	0.25	0.5	0.66
*lab*ncE*	0.5	0.5	g64b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	1.0	(1.0)
*cmyn3**	1.0	0.0	0.0	(0.0)
*olvi4**	0.0	1.0	1.0	1.0
*cmyn4**	1.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	47.86	−27.71	−37.6
*LAB*LABa*	47.86	−26.79	−34.23
*LAB*TCHa*	50.0	43.48	231.95

relative* CIELAB *lab*

*lab*lab*	0.485	−0.615	−0.786
*lab*tch*	0.5	1.0	0.644
*lab*nch*	0.0	1.0	0.644

***relative* Natural Colour (NC)**

*lab*lrj*	0.485	−0.532	−0.845
*lab*tce*	0.5	1.0	0.66
*lab*ncE*	0.0	1.0	g64b

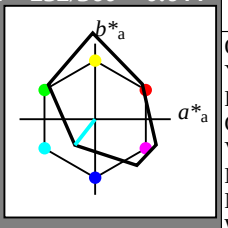
n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 232/360 = 0.644*
*lab*tch* und *lab*nch*

D65: Buntton C
LCH*Ma: 48 43 232
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	1.0	(1.0)
*cmyn3**	0.5	0.0	0.0	(0.0)
*olvi4**	0.5	1.0	1.0	1.0
*cmyn4**	0.5	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	69.91	−13.94	−21.35
*LAB*LABa*	69.91	−13.39	−17.11
*LAB*TCHa*	75.0	21.74	231.95

relative* CIELAB *lab*

*lab*lab*	0.743	−0.307	−0.393
*lab*tch*	0.75	0.5	0.644
*lab*nch*	0.0	0.5	0.644

***relative* Natural Colour (NC)**

*lab*lrj*	0.743	−0.266	−0.422
*lab*tce*	0.75	0.5	0.66
*lab*ncE*	0.0	0.5	g64b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.5	(1.0)
*cmyn3**	1.0	0.5	0.5	(0.0)
*olvi4**	0.5	1.0	1.0	0.5
*cmyn4**	0.5	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	27.06	−14.67	−19.66
*LAB*LABa*	27.06	−13.39	−17.11
*LAB*TCHa*	25.01	21.74	231.95

relative* CIELAB *lab*

*lab*lab*	0.243	−0.307	−0.393
*lab*tch*	0.25	0.5	0.644
*lab*nch*	0.5	0.5	0.644

***relative* Natural Colour (NC)**

*lab*lrj*	0.243	−0.266	−0.422
*lab*tce*	0.25	0.5	0.66
*lab*ncE*	0.5	0.5	g64b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	1.0	(1.0)
*cmyn3**	1.0	0.0	0.0	(0.0)
*olvi4**	0.0	1.0	1.0	1.0
*cmyn4**	1.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	47.86	−27.71	−37.6
*LAB*LABa*	47.86	−26.79	−34.23
*LAB*TCHa*	50.0	43.48	231.95

relative* CIELAB *lab*

*lab*lab*	0.485	−0.615	−0.786
*lab*tch*	0.5	1.0	0.644
*lab*nch*	0.0	1.0	0.644

***relative* Natural Colour (NC)**

*lab*lrj*	0.485	−0.532	−0.845
*lab*tce*	0.5	1.0	0.66
*lab*ncE*	0.0	1.0	g64b

n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 232/360 = 0.644 (links)
3 stufige Reihen für konstanten CIELAB Buntton 232/360 = 0.644 (rechts)

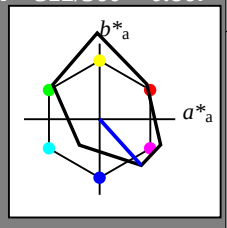
BAM-Prüfvorlage VG21; Farbmetrik-Systeme FRS06 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 312/360 = 0.867*
*lab*tch* und *lab*nch*

D65: Buntton V
LCH*Ma: 10 82 312
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 28

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	1.0	(1.0)
*cmyn3**	0.5	0.5	0.0	(0.0)
*olvi4**	0.5	0.5	1.0	1.0
*cmyn4**	0.5	0.5	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	51.06	26.68	−34.0
*LAB*LABa*	51.06	27.56	−30.5
*LAB*TCHa*	75.0	41.11	312.09

relative* CIELAB *lab*

*lab*lab*	0.523	0.335	−0.37
*lab*tch*	0.75	0.5	0.867
*lab*nch*	0.0	0.5	0.867

***relative* Natural Colour (NC)**

*lab*lrj*	0.523	0.254	−0.43
*lab*tce*	0.75	0.5	0.835
*lab*ncE*	0.0	0.5	b33r

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.5	(1.0)
*cmyn3**	1.0	1.0	0.5	(0.0)
*olvi4**	0.5	0.5	1.0	0.5
*cmyn4**	0.5	0.5	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	8.21	25.96	−32.31
*LAB*LABa*	8.21	27.56	−30.5
*LAB*TCHa*	25.01	41.11	312.09

relative* CIELAB *lab*

*lab*lab*	0.023	0.335	−0.37
*lab*tch*	0.25	0.5	0.867
*lab*nch*	0.5	0.5	0.867

***relative* Natural Colour (NC)**

*lab*lrj*	0.023	0.254	−0.43
*lab*tce*	0.25	0.5	0.835
*lab*ncE*	0.5	0.5	b33r

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	1.0	(1.0)
*cmyn3**	1.0	1.0	0.0	(0.0)
*olvi4**	0.0	0.0	1.0	1.0
*cmyn4**	1.0	1.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	10.17	53.55	−62.9
*LAB*LABa*	10.17	55.11	−61.01
*LAB*TCHa*	50.0	82.23	312.09

relative* CIELAB *lab*

*lab*lab*	0.046	0.67	−0.741
*lab*tch*	0.5	1.0	0.867
*lab*nch*	0.0	1.0	0.867

***relative* Natural Colour (NC)**

*lab*lrj*	0.046	0.508	−0.86
*lab*tce*	0.5	1.0	0.835
*lab*ncE*	0.0	1.0	b33r

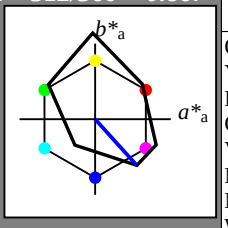
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 312/360 = 0.867*
*lab*tch* und *lab*nch*

D65: Buntton V
LCH*Ma: 10 82 312
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 28

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	1.0	(1.0)
*cmyn3**	0.5	0.5	0.0	(0.0)
*olvi4**	0.5	0.5	1.0	1.0
*cmyn4**	0.5	0.5	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	51.06	26.68	−34.0
*LAB*LABa*	51.06	27.56	−30.5
*LAB*TCHa*	75.0	41.11	312.09

relative* CIELAB *lab*

*lab*lab*	0.523	0.335	−0.37
*lab*tch*	0.75	0.5	0.867
*lab*nch*	0.0	0.5	0.867

***relative* Natural Colour (NC)**

*lab*lrj*	0.523	0.254	−0.43
*lab*tce*	0.75	0.5	0.835
*lab*ncE*	0.0	0.5	b33r

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.5	(1.0)
*cmyn3**	1.0	1.0	0.5	(0.0)
*olvi4**	0.5	0.5	1.0	0.5
*cmyn4**	0.5	0.5	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	8.21	25.96	−32.31
*LAB*LABa*	8.21	27.56	−30.5
*LAB*TCHa*	25.01	41.11	312.09

relative* CIELAB *lab*

*lab*lab*	0.023	0.335	−0.37
*lab*tch*	0.25	0.5	0.867
*lab*nch*	0.5	0.5	0.867

***relative* Natural Colour (NC)**

*lab*lrj*	0.023	0.254	−0.43
*lab*tce*	0.25	0.5	0.835
*lab*ncE*	0.5	0.5	b33r

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	1.0	(1.0)
*cmyn3**	1.0	1.0	0.0	(0.0)
*olvi4**	0.0	0.0	1.0	1.0
*cmyn4**	1.0	1.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	10.17	53.55	−62.9
*LAB*LABa*	10.17	55.11	−61.01
*LAB*TCHa*	50.0	82.23	312.09

relative* CIELAB *lab*

*lab*lab*	0.046	0.67	−0.741
*lab*tch*	0.5	1.0	0.867
*lab*nch*	0.0	1.0	0.867

***relative* Natural Colour (NC)**

*lab*lrj*	0.046	0.508	−0.86
*lab*tce*	0.5	1.0	0.835
*lab*ncE*	0.0	1.0	b33r

*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

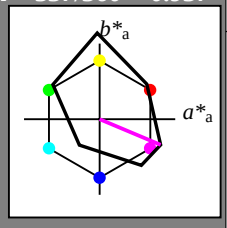
VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 312/360 = 0.867 (links)
3 stufige Reihen für konstanten CIELAB Buntton 312/360 = 0.867 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 337/360 = 0.937*
*lab*tch* und *lab*nch*

D65: Buntton M
LCH*Ma: 35 88 337
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.5	(1.0)
*cmyn3**	0.5	1.0	0.5	(0.0)
*olvi4**	1.0	0.5	1.0	0.5
*cmyn4**	0.0	0.5	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	20.38	38.94	−19.24
*LAB*LABa*	20.38	40.33	−16.95
*LAB*TCHa*	25.01	43.75	337.19

relative* CIELAB *lab*

*lab*lab*	0.165	0.461	−0.193
*lab*tch*	0.25	0.5	0.937
*lab*nch*	0.5	0.5	0.937

***relative* Natural Colour (NC)**

*lab*lrj*	0.165	0.385	−0.318
*lab*tce*	0.25	0.5	0.89
*lab*ncE*	0.5	0.5	b55r

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	1.0	(1.0)
*cmyn3**	0.5	0.5	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.5	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	63.23	39.67	−20.93
*LAB*LABa*	63.23	40.33	−16.95
*LAB*TCHa*	75.0	43.75	337.19

relative* CIELAB *lab*

*lab*lab*	0.665	0.461	−0.193
*lab*tch*	0.75	0.5	0.937
*lab*nch*	0.0	0.5	0.937

***relative* Natural Colour (NC)**

*lab*lrj*	0.665	0.385	−0.318
*lab*tce*	0.75	0.5	0.89
*lab*ncE*	0.0	0.5	b55r

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	1.0	(1.0)
*cmyn3**	0.0	1.0	0.0	(0.0)
*olvi4**	1.0	0.0	1.0	1.0
*cmyn4**	0.0	1.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	34.5	79.51	−36.75
*LAB*LABa*	34.5	80.67	−33.91
*LAB*TCHa*	50.0	87.51	337.19

relative* CIELAB *lab*

*lab*lab*	0.33	0.922	−0.387
*lab*tch*	0.5	1.0	0.937
*lab*nch*	0.0	1.0	0.937

***relative* Natural Colour (NC)**

*lab*lrj*	0.33	0.77	−0.637
*lab*tce*	0.5	1.0	0.89
*lab*ncE*	0.0	1.0	b55r

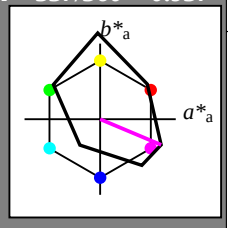
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 337/360 = 0.937*
*lab*tch* und *lab*nch*

D65: Buntton M
LCH*Ma: 35 88 337
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.5	(1.0)
*cmyn3**	0.5	1.0	0.5	(0.0)
*olvi4**	1.0	0.5	1.0	0.5
*cmyn4**	0.0	0.5	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	20.38	38.94	−19.24
*LAB*LABa*	20.38	40.33	−16.95
*LAB*TCHa*	25.01	43.75	337.19

relative* CIELAB *lab*

*lab*lab*	0.165	0.461	−0.193
*lab*tch*	0.25	0.5	0.937
*lab*nch*	0.5	0.5	0.937

***relative* Natural Colour (NC)**

*lab*lrj*	0.165	0.385	−0.318
*lab*tce*	0.25	0.5	0.89
*lab*ncE*	0.5	0.5	b55r

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	1.0	(1.0)
*cmyn3**	0.5	0.5	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.5	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	63.23	39.67	−20.93
*LAB*LABa*	63.23	40.33	−16.95
*LAB*TCHa*	75.0	43.75	337.19

relative* CIELAB *lab*

*lab*lab*	0.665	0.461	−0.193
*lab*tch*	0.75	0.5	0.937
*lab*nch*	0.0	0.5	0.937

***relative* Natural Colour (NC)**

*lab*lrj*	0.665	0.385	−0.318
*lab*tce*	0.75	0.5	0.89
*lab*ncE*	0.0	0.5	b55r

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	1.0	(1.0)
*cmyn3**	0.0	1.0	0.0	(0.0)
*olvi4**	1.0	0.0	1.0	1.0
*cmyn4**	0.0	1.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	34.5	79.51	−36.75
*LAB*LABa*	34.5	80.67	−33.91
*LAB*TCHa*	50.0	87.51	337.19

relative* CIELAB *lab*

*lab*lab*	0.33	0.922	−0.387
*lab*tch*	0.5	1.0	0.937
*lab*nch*	0.0	1.0	0.937

***relative* Natural Colour (NC)**

*lab*lrj*	0.33	0.77	−0.637
*lab*tce*	0.5	1.0	0.89
*lab*ncE*	0.0	1.0	b55r

*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 337/360 = 0.937 (links)
3 stufige Reihen für konstanten CIELAB Buntton 337/360 = 0.937 (rechts)

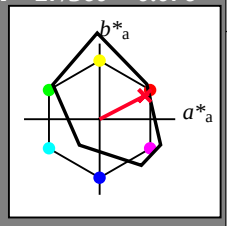
BAM-Prüfvorlage VG21; Farbmetrik-Systeme FRS06 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 27/360 = 0.076*
*lab*tch* und *lab*nch*

D65: Buntton R
LCH*Ma: 33 73 27
olv*Ma: 1.0 0.0 0.16

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	91.97	−0.17	−5.11	
*LAB*LABa*	91.97	0.0	0.0	
*LAB*TCHa*	99.99	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	1.0	0.0	0.0	
*lab*tch*	1.0	0.0	–	
*lab*nch*	0.0	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	1.0	0.0	0.0	
*lab*tce*	1.0	0.0	–	
*lab*ncE*	0.0	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	49.11	−0.89	−3.42	
*LAB*LABa*	49.11	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	0.5	0.0	0.0	
*lab*tch*	0.5	0.0	–	
*lab*nch*	0.5	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.5	0.0	0.0	
*lab*tce*	0.5	0.0	–	
*lab*ncE*	0.5	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	6.26	−1.62	−1.73	
*LAB*LABa*	6.26	0.0	0.0	
*LAB*TCHa*	0.01	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	–	
*lab*nch*	1.0	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.0	0.0	0.0	
*lab*tce*	0.0	0.0	–	
*lab*ncE*	1.0	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.5	0.579	(1.0)
*cmyn3**	0.0	0.5	0.421	(0.0)
*olvi4**	1.0	0.5	0.579	1.0
*cmyn4**	0.0	0.5	0.421	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	62.42	31.92	12.98	
*LAB*LABa*	62.42	32.6	16.92	
*LAB*TCHa*	75.0	36.73	27.44	
relative* CIELAB *lab*				
*lab*lab*	0.655	0.444	0.23	
*lab*tch*	0.75	0.5	0.076	
*lab*nch*	0.0	0.5	0.076	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.655	0.5	0.0	
*lab*tce*	0.75	0.5	1.0	
*lab*ncE*	0.0	0.5	b99r	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.0	0.079	(1.0)
*cmyn3**	0.5	1.0	0.921	(0.0)
*olvi4**	1.0	0.5	0.579	0.5
*cmyn4**	0.0	0.5	0.421	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	19.57	31.19	14.68	
*LAB*LABa*	19.57	32.6	16.93	
*LAB*TCHa*	25.01	36.73	27.45	
relative* CIELAB *lab*				
*lab*lab*	0.155	0.444	0.23	
*lab*tch*	0.25	0.5	0.076	
*lab*nch*	0.5	0.5	0.076	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.155	0.5	0.0	
*lab*tce*	0.25	0.5	0.0	
*lab*ncE*	0.5	0.5	r00j	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.0	0.157	(1.0)
*cmyn3**	0.0	1.0	0.843	(0.0)
*olvi4**	1.0	0.0	0.157	1.0
*cmyn4**	0.0	1.0	0.843	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	32.88	64.01	31.07	
*LAB*LABa*	32.88	65.19	33.85	
*LAB*TCHa*	50.0	73.46	27.44	
relative* CIELAB *lab*				
*lab*lab*	0.311	0.887	0.461	
*lab*tch*	0.5	1.0	0.076	
*lab*nch*	0.0	1.0	0.076	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.311	1.0	0.0	
*lab*tce*	0.5	1.0	0.0	
*lab*ncE*	0.0	1.0	r00j	

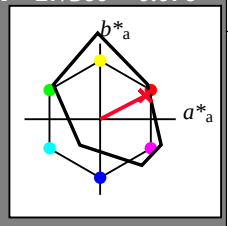
n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 27/360 = 0.076*
*lab*tch* und *lab*nch*

D65: Buntton R
LCH*Ma: 33 73 27
olv*Ma: 1.0 0.0 0.16

Dreiecks-Helligkeit *t**



FRS06; 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} = 115
%Regularität
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	91.97	−0.17	−5.11	
*LAB*LABa*	91.97	0.0	0.0	
*LAB*TCHa*	99.99	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	1.0	0.0	0.0	
*lab*tch*	1.0	0.0	–	
*lab*nch*	0.0	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	1.0	0.0	0.0	
*lab*tce*	1.0	0.0	–	
*lab*ncE*	0.0	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	49.11	−0.89	−3.42	
*LAB*LABa*	49.11	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	0.5	0.0	0.0	
*lab*tch*	0.5	0.0	–	
*lab*nch*	0.5	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.5	0.0	0.0	
*lab*tce*	0.5	0.0	–	
*lab*ncE*	0.5	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	6.26	−1.62	−1.73	
*LAB*LABa*	6.26	0.0	0.0	
*LAB*TCHa*	0.01	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	–	
*lab*nch*	1.0	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.0	0.0	0.0	
*lab*tce*	0.0	0.0	–	
*lab*ncE*	1.0	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.5	0.579	(1.0)
*cmyn3**	0.0	0.5	0.421	(0.0)
*olvi4**	1.0	0.5	0.579	1.0
*cmyn4**	0.0	0.5	0.421	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	62.42	31.92	12.98	
*LAB*LABa*	62.42	32.6	16.92	
*LAB*TCHa*	75.0	36.73	27.44	
relative* CIELAB *lab*				
*lab*lab*	0.655	0.444	0.23	
*lab*tch*	0.75	0.5	0.076	
*lab*nch*	0.0	0.5	0.076	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.655	0.5	0.0	
*lab*tce*	0.75	0.5	1.0	
*lab*ncE*	0.0	0.5	b99r	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.0	0.079	(1.0)
*cmyn3**	0.5	1.0	0.921	(0.0)
*olvi4**	1.0	0.5	0.579	0.5
*cmyn4**	0.0	0.5	0.421	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	19.57	31.19	14.68	
*LAB*LABa*	19.57	32.6	16.93	
*LAB*TCHa*	25.01	36.73	27.45	
relative* CIELAB *lab*				
*lab*lab*	0.155	0.444	0.23	
*lab*tch*	0.25	0.5	0.076	
*lab*nch*	0.5	0.5	0.076	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.155	0.5	0.0	
*lab*tce*	0.25	0.5	0.0	
*lab*ncE*	0.5	0.5	r00j	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.0	0.157	(1.0)
*cmyn3**	0.0	1.0	0.843	(0.0)
*olvi4**	1.0	0.0	0.157	1.0
*cmyn4**	0.0	1.0	0.843	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	32.88	64.01	31.07	
*LAB*LABa*	32.88	65.19	33.85	
*LAB*TCHa*	50.0	73.46	27.44	
relative* CIELAB *lab*				
*lab*lab*	0.311	0.887	0.461	
*lab*tch*	0.5	1.0	0.076	
*lab*nch*	0.0	1.0	0.076	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.311	1.0	0.0	
*lab*tce*	0.5	1.0	0.0	
*lab*ncE*	0.0	1.0	r00j	

n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 27/360 = 0.076 (links)

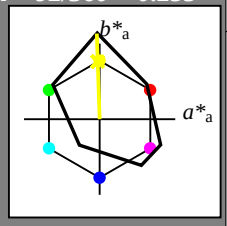
3 stufige Reihen für konstanten CIELAB Buntton 27/360 = 0.076 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton J
LCH*Ma: 82 113 92
olv*Ma: 0.99 1.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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*$_{rel}$ = 115
%Regularität
g*$_{H,rel}$ = 28
g*$_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.995	1.0	0.5	(1.0)
*cmyn3**	0.005	0.0	0.5	(0.0)
*olvi4**	0.995	1.0	0.5	1.0
*cmyn4**	0.005	0.0	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	87.13	−2.12	51.73
*LAB*LABa*	87.13	−1.86	56.65
*LAB*TCHa*	75.0	56.68	91.89

relative* CIELAB *lab*

*lab*lab*	0.944	−0.016	0.5
*lab*tch*	0.75	0.5	0.255
*lab*nch*	0.0	0.5	0.255

***relative* Natural Colour (NC)**

*lab*lrj*	0.944	0.0	0.5
*lab*tce*	0.75	0.5	0.25
*lab*ncE*	0.0	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	0.495	0.5	0.0	(1.0)
*cmyn3**	0.505	0.5	1.0	(0.0)
*olvi4**	0.995	1.0	0.5	0.5
*cmyn4**	0.005	0.0	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	44.28	−2.86	53.41
*LAB*LABa*	44.28	−1.87	56.64
*LAB*TCHa*	25.01	56.67	91.9

relative* CIELAB *lab*

*lab*lab*	0.444	−0.016	0.5
*lab*tch*	0.25	0.5	0.255
*lab*nch*	0.5	0.5	0.255

***relative* Natural Colour (NC)**

*lab*lrj*	0.444	0.0	0.5
*lab*tce*	0.25	0.5	0.25
*lab*ncE*	0.5	0.5	j00g

***relative* Inform. Technology (IT)**

*olvi3**	0.99	1.0	0.0	(1.0)
*cmyn3**	0.01	0.0	1.0	(0.0)
*olvi4**	0.99	1.0	0.0	1.0
*cmyn4**	0.01	0.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	82.3	−4.09	108.56
*LAB*LABa*	82.3	−3.74	113.29
*LAB*TCHa*	50.0	113.35	91.9

relative* CIELAB *lab*

*lab*lab*	0.887	−0.032	0.999
*lab*tch*	0.5	1.0	0.255
*lab*nch*	0.0	1.0	0.255

***relative* Natural Colour (NC)**

*lab*lrj*	0.887	0.0	1.0
*lab*tce*	0.5	1.0	0.25
*lab*ncE*	0.0	1.0	r99j

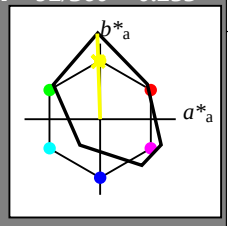
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton J
LCH*Ma: 82 113 92
olv*Ma: 0.99 1.0 0.0

Dreiecks-Helligkeit *t**



FRS06; 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*$_{rel}$ = 115
%Regularität
g*$_{H,rel}$ = 28
g*$_{C,rel}$ = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.995	1.0	0.5	(1.0)
*cmyn3**	0.005	0.0	0.5	(0.0)
*olvi4**	0.995	1.0	0.5	1.0
*cmyn4**	0.005	0.0	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	87.13	−2.12	51.73
*LAB*LABa*	87.13	−1.86	56.65
*LAB*TCHa*	75.0	56.68	91.89

relative* CIELAB *lab*

*lab*lab*	0.944	−0.016	0.5
*lab*tch*	0.75	0.5	0.255
*lab*nch*	0.0	0.5	0.255

***relative* Natural Colour (NC)**

*lab*lrj*	0.944	0.0	0.5
*lab*tce*	0.75	0.5	0.25
*lab*ncE*	0.0	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	0.495	0.5	0.0	(1.0)
*cmyn3**	0.505	0.5	1.0	(0.0)
*olvi4**	0.995	1.0	0.5	0.5
*cmyn4**	0.005	0.0	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	44.28	−2.86	53.41
*LAB*LABa*	44.28	−1.87	56.64
*LAB*TCHa*	25.01	56.67	91.9

relative* CIELAB *lab*

*lab*lab*	0.444	−0.016	0.5
*lab*tch*	0.25	0.5	0.255
*lab*nch*	0.5	0.5	0.255

***relative* Natural Colour (NC)**

*lab*lrj*	0.444	0.0	0.5
*lab*tce*	0.25	0.5	0.25
*lab*ncE*	0.5	0.5	j00g

***relative* Inform. Technology (IT)**

*olvi3**	0.99	1.0	0.0	(1.0)
*cmyn3**	0.01	0.0	1.0	(0.0)
*olvi4**	0.99	1.0	0.0	1.0
*cmyn4**	0.01	0.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	82.3	−4.09	108.56
*LAB*LABa*	82.3	−3.74	113.29
*LAB*TCHa*	50.0	113.35	91.9

relative* CIELAB *lab*

*lab*lab*	0.887	−0.032	0.999
*lab*tch*	0.5	1.0	0.255
*lab*nch*	0.0	1.0	0.255

***relative* Natural Colour (NC)**

*lab*lrj*	0.887	0.0	1.0
*lab*tce*	0.5	1.0	0.25
*lab*ncE*	0.0	1.0	r99j

*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)
3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

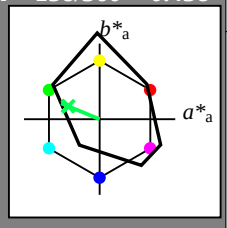
BAM-Prüfvorlage VG21; Farbmetrik-Systeme FRS06 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 158/360 = 0.438*
*lab*tch* und *lab*nch*

D65: Buntton G
LCH*Ma: 42 55 158
olv*Ma: 0.0 1.0 0.31

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	0.655	(1.0)
*cmyn3**	0.5	0.0	0.345	(0.0)
*olvi4**	0.5	1.0	0.655	1.0
*cmyn4**	0.5	0.0	0.345	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	67.0	−26.06	6.38
*LAB*LABa*	67.0	−25.46	10.5
*LAB*TCHa*	75.0	27.55	157.59

relative* CIELAB *lab*

*lab*lab*	0.709	−0.461	0.191
*lab*tch*	0.75	0.5	0.438
*lab*nch*	0.0	0.5	0.438

***relative* Natural Colour (NC)**

*lab*lrj*	0.709	−0.499	0.0
*lab*tce*	0.75	0.5	0.5
*lab*ncE*	0.0	0.5	g00b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.155	(1.0)
*cmyn3**	1.0	0.5	0.845	(0.0)
*olvi4**	0.5	1.0	0.655	0.5
*cmyn4**	0.5	0.0	0.345	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	24.15	−26.79	8.07
*LAB*LABa*	24.15	−25.46	10.51
*LAB*TCHa*	25.01	27.56	157.58

relative* CIELAB *lab*

*lab*lab*	0.209	−0.461	0.191
*lab*tch*	0.25	0.5	0.438
*lab*nch*	0.5	0.5	0.438

***relative* Natural Colour (NC)**

*lab*lrj*	0.209	−0.499	0.0
*lab*tce*	0.25	0.5	0.5
*lab*ncE*	0.5	0.5	j99g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	0.31	(1.0)
*cmyn3**	1.0	0.0	0.69	(0.0)
*olvi4**	0.0	1.0	0.31	1.0
*cmyn4**	1.0	0.0	0.69	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	42.04	−51.96	17.87
*LAB*LABa*	42.04	−50.93	21.01
*LAB*TCHa*	50.0	55.11	157.59

relative* CIELAB *lab*

*lab*lab*	0.418	−0.923	0.381
*lab*tch*	0.5	1.0	0.438
*lab*nch*	0.0	1.0	0.438

***relative* Natural Colour (NC)**

*lab*lrj*	0.418	−0.999	0.0
*lab*tce*	0.5	1.0	0.5
*lab*ncE*	0.0	1.0	j99g

n = 0,00*

Schwarzheit *n**

n = 1,0*

0,25 0,50 *n* = 0,50* 0,75 1,00

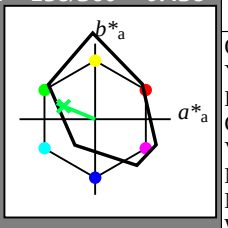
relative Buntheit *c**

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 158/360 = 0.438*
*lab*tch* und *lab*nch*

D65: Buntton G
LCH*Ma: 42 55 158
olv*Ma: 0.0 1.0 0.31

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	0.655	(1.0)
*cmyn3**	0.5	0.0	0.345	(0.0)
*olvi4**	0.5	1.0	0.655	1.0
*cmyn4**	0.5	0.0	0.345	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	67.0	−26.06	6.38
*LAB*LABa*	67.0	−25.46	10.5
*LAB*TCHa*	75.0	27.55	157.59

relative* CIELAB *lab*

*lab*lab*	0.709	−0.461	0.191
*lab*tch*	0.75	0.5	0.438
*lab*nch*	0.0	0.5	0.438

***relative* Natural Colour (NC)**

*lab*lrj*	0.709	−0.499	0.0
*lab*tce*	0.75	0.5	0.5
*lab*ncE*	0.0	0.5	g00b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.155	(1.0)
*cmyn3**	1.0	0.5	0.845	(0.0)
*olvi4**	0.5	1.0	0.655	0.5
*cmyn4**	0.5	0.0	0.345	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	24.15	−26.79	8.07
*LAB*LABa*	24.15	−25.46	10.51
*LAB*TCHa*	25.01	27.56	157.58

relative* CIELAB *lab*

*lab*lab*	0.209	−0.461	0.191
*lab*tch*	0.25	0.5	0.438
*lab*nch*	0.5	0.5	0.438

***relative* Natural Colour (NC)**

*lab*lrj*	0.209	−0.499	0.0
*lab*tce*	0.25	0.5	0.5
*lab*ncE*	0.5	0.5	j99g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	0.31	(1.0)
*cmyn3**	1.0	0.0	0.69	(0.0)
*olvi4**	0.0	1.0	0.31	1.0
*cmyn4**	1.0	0.0	0.69	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	42.04	−51.96	17.87
*LAB*LABa*	42.04	−50.93	21.01
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relative* CIELAB *lab*

*lab*lab*	0.418	−0.923	0.381
*lab*tch*	0.5	1.0	0.438
*lab*nch*	0.0	1.0	0.438

***relative* Natural Colour (NC)**

*lab*lrj*	0.418	−0.999	0.0
*lab*tce*	0.5	1.0	0.5
*lab*ncE*	0.0	1.0	j99g

n = 0,00*

Schwarzheit *n**

n = 1,0*

0,25 0,50 *n* = 0,50* 0,75 1,00

relative Buntheit *c**

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.438 (links)

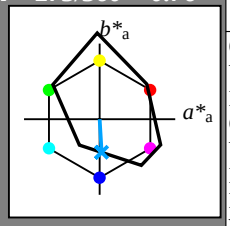
3 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.438 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 273/360 = 0.76*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 34 44 273
olv*Ma: 0.0 0.64 1.0

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.11	−0.89	−3.42
*LAB*LABa*	49.11	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	6.26	−1.62	−1.73
*LAB*LABa*	6.26	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.82	1.0	(1.0)
*cmyn3**	0.5	0.18	0.0	(0.0)
*olvi4**	0.5	0.82	1.0	1.0
*cmyn4**	0.5	0.18	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	63.14	0.64	−25.89
*LAB*LABa*	63.14	1.31	−21.92
*LAB*TCHa*	75.0	21.97	273.42

relative* CIELAB *lab*

*lab*lab*	0.664	0.03	−0.498
*lab*tch*	0.75	0.5	0.76
*lab*nch*	0.0	0.5	0.76

***relative* Natural Colour (NC)**

*lab*lrj*	0.664	0.0	−0.499
*lab*tce*	0.75	0.5	0.75
*lab*ncE*	0.0	0.5	g99b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.32	0.5	(1.0)
*cmyn3**	1.0	0.68	0.5	(0.0)
*olvi4**	0.5	0.82	1.0	0.5
*cmyn4**	0.5	0.18	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	20.29	−0.06	−24.21
*LAB*LABa*	20.29	1.32	−21.92
*LAB*TCHa*	25.01	21.97	273.44

relative* CIELAB *lab*

*lab*lab*	0.164	0.03	−0.498
*lab*tch*	0.25	0.5	0.76
*lab*nch*	0.5	0.5	0.76

***relative* Natural Colour (NC)**

*lab*lrj*	0.164	0.0	−0.499
*lab*tce*	0.25	0.5	0.75
*lab*ncE*	0.5	0.5	b00r

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.641	1.0	(1.0)
*cmyn3**	1.0	0.359	0.0	(0.0)
*olvi4**	0.0	0.641	1.0	1.0
*cmyn4**	1.0	0.359	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	34.32	1.48	−46.69
*LAB*LABa*	34.32	2.63	−43.85
*LAB*TCHa*	50.0	43.94	273.43

relative* CIELAB *lab*

*lab*lab*	0.327	0.06	−0.997
*lab*tch*	0.5	1.0	0.76
*lab*nch*	0.0	1.0	0.76

***relative* Natural Colour (NC)**

*lab*lrj*	0.327	0.0	−0.999
*lab*tce*	0.5	1.0	0.75
*lab*ncE*	0.0	1.0	g99b

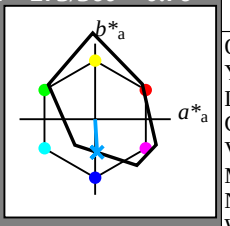
n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 273/360 = 0.76*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 34 44 273
olv*Ma: 0.0 0.64 1.0

Dreiecks-Helligkeit *t**



FRS06; 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 = 115
%Regularität
g*H,rel = 28
g*C,rel = 38

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	91.97	−0.17	−5.11
*LAB*LABa*	91.97	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
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*lab*nch*	0.5	0.0	–

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*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
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*lab*ncE*	0.0	1.0	g99b

n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

VG210−7, 3 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.76 (links)
3 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.76 (rechts)