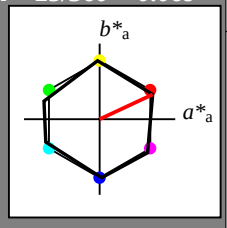
Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton R
LCH*Ma: 57 77 25
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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 = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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*	76.05	35.07	16.35
*LAB*LABa*	76.05	35.07	16.35
*LAB*TCHa*	75.0	38.69	25.0

relative* CIELAB *lab*

*lab*lab*	0.75	0.453	0.211
*lab*tch*	0.75	0.5	0.069
*lab*nch*	0.0	0.5	0.069

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

*lab*lrj*	0.75	0.5	−0.002
*lab*tce*	0.75	0.5	0.999
*lab*ncE*	0.0	0.5	b99r

***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*	37.36	35.07	16.35
*LAB*LABa*	37.36	35.07	16.35
*LAB*TCHa*	25.01	38.69	25.0

relative* CIELAB *lab*

*lab*lab*	0.25	0.453	0.211
*lab*tch*	0.25	0.5	0.069
*lab*nch*	0.5	0.5	0.069

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

*lab*lrj*	0.25	0.5	−0.002
*lab*tce*	0.25	0.5	0.999
*lab*ncE*	0.5	0.5	b99r

***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*	56.7	70.13	32.7
*LAB*LABa*	56.7	70.13	32.7
*LAB*TCHa*	50.0	77.38	25.0

relative* CIELAB *lab*

*lab*lab*	0.5	0.906	0.423
*lab*tch*	0.5	1.0	0.069
*lab*nch*	0.0	1.0	0.069

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

*lab*lrj*	0.5	1.0	−0.006
*lab*tce*	0.5	1.0	0.999
*lab*ncE*	0.0	1.0	b99r

n = 0,00*

Schwarzheit *n**

n = 1,0*

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

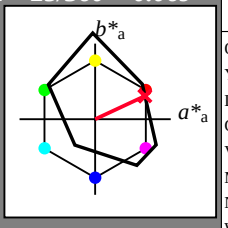
relative Buntheit *c**

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton R
LCH*Ma: 33 73 25
olv*Ma: 1.0 0.0 0.2

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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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	0.598	(1.0)
*cmyn3**	0.0	0.5	0.402	(0.0)
olvi3'*	0.996	0.519	0.497	(1.0)
cmyn3'*	0.004	0.481	0.503	(0.0)

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

*LAB*LAB*	62.46	32.27	11.42
*LAB*LABa*	62.46	32.95	15.36
*LAB*TCHa*	75.0	36.36	25.0

relative* CIELAB *lab*

*lab*lab*	0.656	0.453	0.211
*lab*tch*	0.75	0.5	0.069
*lab*nch*	0.0	0.5	0.069

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

*lab*lrj*	0.656	0.5	−0.016
*lab*tce*	0.75	0.5	0.995
*lab*ncE*	0.0	0.5	b97r

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

*olvi3**	0.5	0.0	0.098	(1.0)
*cmyn3**	0.5	1.0	0.902	(0.0)
olvi3'*	0.54	0.056	0.11	(1.0)
cmyn3'*	0.46	0.944	0.89	(0.0)

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

*LAB*LAB*	19.6	31.55	13.12
*LAB*LABa*	19.6	32.95	15.37
*LAB*TCHa*	25.01	36.36	25.01

relative* CIELAB *lab*

*lab*lab*	0.156	0.453	0.211
*lab*tch*	0.25	0.5	0.069
*lab*nch*	0.5	0.5	0.069

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

*lab*lrj*	0.156	0.5	−0.016
*lab*tce*	0.25	0.5	0.995
*lab*ncE*	0.5	0.5	b97r

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

*olvi3**	1.0	0.0	0.196	(1.0)
*cmyn3**	0.0	1.0	0.804	(0.0)
olvi3'*	1.0	0.0	0.163	(1.0)
cmyn3'*	0.0	1.0	0.837	(0.0)

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

*LAB*LAB*	32.95	64.73	27.95
*LAB*LABa*	32.95	65.91	30.74
*LAB*TCHa*	50.0	72.72	25.0

relative* CIELAB *lab*

*lab*lab*	0.311	0.906	0.423
*lab*tch*	0.5	1.0	0.069
*lab*nch*	0.0	1.0	0.069

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

*lab*lrj*	0.311	0.999	−0.033
*lab*tce*	0.5	1.0	0.995
*lab*ncE*	0.0	1.0	b97r

n = 0,00*

Schwarzheit *n**

n = 1,0*

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

relative Buntheit *c**

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

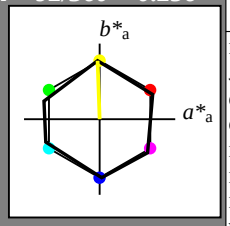
BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton J
LCH*Ma: 57 77 92
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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 = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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*	76.05	−1.34	38.67
*LAB*LABa*	76.05	−1.34	38.67
*LAB*TCHa*	75.0	38.69	92.0

relative* CIELAB *lab*

*lab*lab*	0.75	−0.016	0.5
*lab*tch*	0.75	0.5	0.256
*lab*nch*	0.0	0.5	0.256

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

*lab*lrj*	0.75	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*	37.36	−1.34	38.67
*LAB*LABa*	37.36	−1.34	38.67
*LAB*TCHa*	25.01	38.69	92.0

relative* CIELAB *lab*

*lab*lab*	0.25	−0.016	0.5
*lab*tch*	0.25	0.5	0.256
*lab*nch*	0.5	0.5	0.256

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

*lab*lrj*	0.25	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*	56.7	−2.69	77.34
*LAB*LABa*	56.7	−2.69	77.34
*LAB*TCHa*	50.0	77.38	92.0

relative* CIELAB *lab*

*lab*lab*	0.5	−0.034	0.999
*lab*tch*	0.5	1.0	0.256
*lab*nch*	0.0	1.0	0.256

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

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

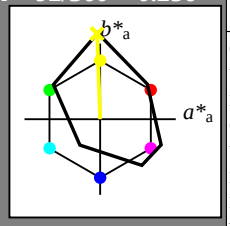
n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 92/360 = 0.256*
*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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	0.993	1.0	0.5	(1.0)
*cmyn3**	0.007	0.0	0.5	(0.0)
olvi3'*	1.0	0.947	0.43	(1.0)
cmyn3'*	0.0	0.053	0.57	(0.0)

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

*LAB*LAB*	87.06	−2.22	51.62
*LAB*LABa*	87.06	−1.96	56.54
*LAB*TCHa*	75.0	56.57	91.99

relative* CIELAB *lab*

*lab*lab*	0.943	−0.016	0.5
*lab*tch*	0.75	0.5	0.256
*lab*nch*	0.0	0.5	0.256

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

*lab*lrj*	0.943	0.0	0.5
*lab*tce*	0.75	0.5	0.25
*lab*ncE*	0.0	0.5	j00g

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

*olvi3**	0.493	0.5	0.0	(1.0)
*cmyn3**	0.507	0.5	1.0	(0.0)
olvi3'*	0.589	0.484	0.002	(1.0)
cmyn3'*	0.411	0.516	0.998	(0.0)

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

*LAB*LAB*	44.2	−2.95	53.3
*LAB*LABa*	44.2	−1.96	56.53
*LAB*TCHa*	25.01	56.57	92.0

relative* CIELAB *lab*

*lab*lab*	0.443	−0.016	0.5
*lab*tch*	0.25	0.5	0.256
*lab*nch*	0.5	0.5	0.256

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

*lab*lrj*	0.443	0.0	0.5
*lab*tce*	0.25	0.5	0.25
*lab*ncE*	0.5	0.5	j00g

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

*olvi3**	0.987	1.0	0.0	(1.0)
*cmyn3**	0.013	0.0	1.0	(0.0)
olvi3'*	0.983	0.996	0.001	(1.0)
cmyn3'*	0.017	0.004	0.999	(0.0)

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

*LAB*LAB*	82.16	−4.28	108.35
*LAB*LABa*	82.16	−3.93	113.07
*LAB*TCHa*	50.0	113.14	92.0

relative* CIELAB *lab*

*lab*lab*	0.885	−0.034	0.999
*lab*tch*	0.5	1.0	0.256
*lab*nch*	0.0	1.0	0.256

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

*lab*lrj*	0.885	−0.001	1.0
*lab*tce*	0.5	1.0	0.25
*lab*ncE*	0.0	1.0	j00g

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

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)
3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

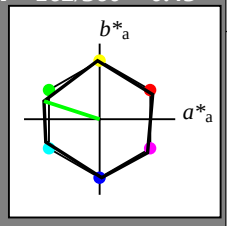
BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton *h* = lab*h = 162/360 = 0.45*
*lab*tch* und *lab*nch*

D65: Buntton G
LCH*Ma: 57 77 162
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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 = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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*	76.05	−36.79	11.96
*LAB*LABa*	76.05	−36.79	11.96
*LAB*TCHa*	75.0	38.69	162.0

relative* CIELAB *lab*

*lab*lab*	0.75	−0.474	0.154
*lab*tch*	0.75	0.5	0.45
*lab*nch*	0.0	0.5	0.45

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

*lab*lrj*	0.75	−0.499	0.003
*lab*tce*	0.75	0.5	0.499
*lab*ncE*	0.0	0.5	j99g

***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*	37.36	−36.79	11.96
*LAB*LABa*	37.36	−36.79	11.96
*LAB*TCHa*	25.01	38.69	162.0

relative* CIELAB *lab*

*lab*lab*	0.25	−0.474	0.154
*lab*tch*	0.25	0.5	0.45
*lab*nch*	0.5	0.5	0.45

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

*lab*lrj*	0.25	−0.499	0.003
*lab*tce*	0.25	0.5	0.499
*lab*ncE*	0.5	0.5	j99g

***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*	56.7	−73.59	23.91
*LAB*LABa*	56.7	−73.59	23.91
*LAB*TCHa*	50.0	77.38	162.0

relative* CIELAB *lab*

*lab*lab*	0.5	−0.95	0.309
*lab*tch*	0.5	1.0	0.45
*lab*nch*	0.0	1.0	0.45

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

*lab*lrj*	0.5	−0.999	0.005
*lab*tce*	0.5	1.0	0.499
*lab*ncE*	0.0	1.0	j99g

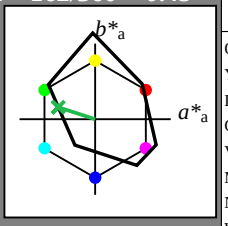
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 162/360 = 0.45*
*lab*tch* und *lab*nch*

D65: Buntton G
LCH*Ma: 43 51 162
olv*Ma: 0.0 1.0 0.37

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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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	0.687	(1.0)
*cmyn3**	0.5	0.0	0.313	(0.0)
olvi3'*	0.567	0.85	0.627	(1.0)
cmyn3'*	0.433	0.15	0.373	(0.0)

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

*LAB*LAB*	67.28	−24.92	3.77
*LAB*LABa*	67.28	−24.33	7.9
*LAB*TCHa*	75.0	25.59	162.01

relative* CIELAB *lab*

*lab*lab*	0.712	−0.474	0.154
*lab*tch*	0.75	0.5	0.45
*lab*nch*	0.0	0.5	0.45

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

*lab*lrj*	0.712	−0.498	−0.029
*lab*tce*	0.75	0.5	0.51
*lab*ncE*	0.0	0.5	g03b

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

*olvi3**	0.0	0.5	0.187	(1.0)
*cmyn3**	1.0	0.5	0.813	(0.0)
olvi3'*	0.112	0.364	0.181	(1.0)
cmyn3'*	0.888	0.636	0.819	(0.0)

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

*LAB*LAB*	24.42	−25.65	5.47
*LAB*LABa*	24.42	−24.33	7.91
*LAB*TCHa*	25.01	25.59	161.99

relative* CIELAB *lab*

*lab*lab*	0.212	−0.474	0.155
*lab*tch*	0.25	0.5	0.45
*lab*nch*	0.5	0.5	0.45

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

*lab*lrj*	0.212	−0.498	−0.029
*lab*tce*	0.25	0.5	0.51
*lab*ncE*	0.5	0.5	g03b

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

*olvi3**	0.0	1.0	0.375	(1.0)
*cmyn3**	1.0	0.0	0.625	(0.0)
olvi3'*	0.135	0.724	0.305	(1.0)
cmyn3'*	0.865	0.276	0.695	(0.0)

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

*LAB*LAB*	42.59	−49.68	12.65
*LAB*LABa*	42.59	−48.66	15.82
*LAB*TCHa*	50.0	51.18	162.0

relative* CIELAB *lab*

*lab*lab*	0.424	−0.95	0.309
*lab*tch*	0.5	1.0	0.45
*lab*nch*	0.0	1.0	0.45

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

*lab*lrj*	0.424	−0.997	−0.059
*lab*tce*	0.5	1.0	0.51
*lab*ncE*	0.0	1.0	g03b

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

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.45 (links)
3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.45 (rechts)

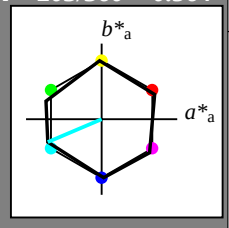
BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton *h* = lab*h = 203/360 = 0.564*
*lab*tch* und *lab*nch*

D65: Buntton G50B
LCH*Ma: 57 77 203
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

%Umfang
u*rel = 100
%Regularität
g*H,rel = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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*	76.05	−35.61	−15.11
*LAB*LABa*	76.05	−35.61	−15.11
*LAB*TCHa*	75.0	38.69	203.0

relative* CIELAB *lab*

*lab*lab*	0.75	−0.459	−0.194
*lab*tch*	0.75	0.5	0.564
*lab*nch*	0.0	0.5	0.564

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

*lab*lrj*	0.75	−0.416	−0.275
*lab*tce*	0.75	0.5	0.593
*lab*ncE*	0.0	0.5	g37b

***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*	37.36	−35.61	−15.11
*LAB*LABa*	37.36	−35.61	−15.11
*LAB*TCHa*	25.01	38.69	203.0

relative* CIELAB *lab*

*lab*lab*	0.25	−0.459	−0.194
*lab*tch*	0.25	0.5	0.564
*lab*nch*	0.5	0.5	0.564

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

*lab*lrj*	0.25	−0.416	−0.275
*lab*tce*	0.25	0.5	0.593
*lab*ncE*	0.5	0.5	g37b

***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*	56.7	−71.22	−30.23
*LAB*LABa*	56.7	−71.22	−30.23
*LAB*TCHa*	50.0	77.38	203.0

relative* CIELAB *lab*

*lab*lab*	0.5	−0.919	−0.39
*lab*tch*	0.5	1.0	0.564
*lab*nch*	0.0	1.0	0.564

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

*lab*lrj*	0.5	−0.833	−0.551
*lab*tce*	0.5	1.0	0.593
*lab*ncE*	0.0	1.0	g37b

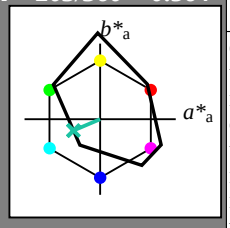
n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 203/360 = 0.564*
*lab*tch* und *lab*nch*

D65: Buntton G50B
LCH*Ma: 46 38 203
olv*Ma: 0.0 1.0 0.76

Dreiecks-Helligkeit *t**



FRS06; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	−3.16	113.99	114.03	92
LMa	39.43	−61.79	45.84	76.95	143
CMa	47.86	−26.79	−34.24	43.49	232
VMa	10.16	55.12	−61.03	82.24	312
MMa	34.5	80.68	−33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	−2.52	76.25	76.29	92
GCIE	52.23	−41.56	17.14	44.96	158
BCIE	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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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	0.88	(1.0)
*cmyn3**	0.5	0.0	0.12	(0.0)
olvi3'*	0.578	0.851	0.776	(1.0)
cmyn3'*	0.422	0.149	0.224	(0.0)

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

*LAB*LAB*	68.9	−18.17	−11.67
*LAB*LABa*	68.9	−17.6	−7.47
*LAB*TCHa*	75.0	19.13	203.02

relative* CIELAB *lab*

*lab*lab*	0.731	−0.459	−0.194
*lab*tch*	0.75	0.5	0.564
*lab*nch*	0.0	0.5	0.564

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

*lab*lrj*	0.731	−0.407	−0.288
*lab*tce*	0.75	0.5	0.598
*lab*ncE*	0.0	0.5	g39b

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

*olvi3**	0.0	0.5	0.38	(1.0)
*cmyn3**	1.0	0.5	0.62	(0.0)
olvi3'*	0.114	0.373	0.321	(1.0)
cmyn3'*	0.886	0.627	0.679	(0.0)

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

*LAB*LAB*	26.04	−18.9	−9.98
*LAB*LABa*	26.04	−17.6	−7.46
*LAB*TCHa*	25.01	19.13	202.99

relative* CIELAB *lab*

*lab*lab*	0.231	−0.459	−0.194
*lab*tch*	0.25	0.5	0.564
*lab*nch*	0.5	0.5	0.564

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

*lab*lrj*	0.231	−0.407	−0.288
*lab*tce*	0.25	0.5	0.598
*lab*ncE*	0.5	0.5	g39b

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

*olvi3**	0.0	1.0	0.759	(1.0)
*cmyn3**	1.0	0.0	0.241	(0.0)
olvi3'*	0.113	0.763	0.639	(1.0)
cmyn3'*	0.887	0.237	0.361	(0.0)

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

*LAB*LAB*	45.83	−36.18	−18.24
*LAB*LABa*	45.83	−35.22	−14.95
*LAB*TCHa*	50.0	38.27	203.01

relative* CIELAB *lab*

*lab*lab*	0.462	−0.919	−0.39
*lab*tch*	0.5	1.0	0.564
*lab*nch*	0.0	1.0	0.564

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

*lab*lrj*	0.462	−0.815	−0.577
*lab*tce*	0.5	1.0	0.598
*lab*ncE*	0.0	1.0	g39b

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

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)
3 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

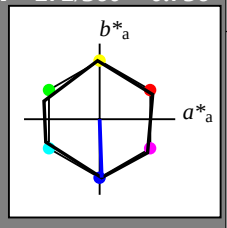
BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton *h* = lab*h = 272/360 = 0.756*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 57 77 272
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

%Umfang
u*rel = 100
%Regularität
g*H,rel = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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*	76.05	1.35	−38.66
*LAB*LABa*	76.05	1.35	−38.66
*LAB*TCHa*	75.0	38.69	272.0

relative* CIELAB *lab*

*lab*lab*	0.75	0.017	−0.499
*lab*tch*	0.75	0.5	0.756
*lab*nch*	0.0	0.5	0.756

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

*lab*lrj*	0.75	0.002	−0.499
*lab*tce*	0.75	0.5	0.751
*lab*ncE*	0.0	0.5	b00r

***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*	37.36	1.35	−38.66
*LAB*LABa*	37.36	1.35	−38.66
*LAB*TCHa*	25.01	38.69	272.0

relative* CIELAB *lab*

*lab*lab*	0.25	0.017	−0.499
*lab*tch*	0.25	0.5	0.756
*lab*nch*	0.5	0.5	0.756

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

*lab*lrj*	0.25	0.002	−0.499
*lab*tce*	0.25	0.5	0.751
*lab*ncE*	0.5	0.5	b00r

***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*	56.7	2.7	−77.33
*LAB*LABa*	56.7	2.7	−77.33
*LAB*TCHa*	50.0	77.38	272.0

relative* CIELAB *lab*

*lab*lab*	0.5	0.035	−0.998
*lab*tch*	0.5	1.0	0.756
*lab*nch*	0.0	1.0	0.756

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

*lab*lrj*	0.5	0.004	−0.999
*lab*tce*	0.5	1.0	0.751
*lab*ncE*	0.0	1.0	b00r

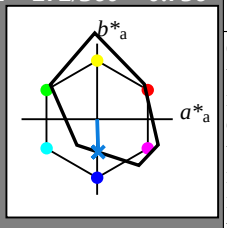
n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton *h* = lab*h = 272/360 = 0.756*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 35 44 272
olv*Ma: 0.0 0.65 1.0

Dreiecks-Helligkeit *t**



FRS06; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	−3.16	113.99	114.03	92
LMa	39.43	−61.79	45.84	76.95	143
CMa	47.86	−26.79	−34.24	43.49	232
VMa	10.16	55.12	−61.03	82.24	312
MMa	34.5	80.68	−33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	−2.52	76.25	76.29	92
GCIE	52.23	−41.56	17.14	44.96	158
BCIE	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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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	0.827	1.0	(1.0)
*cmyn3**	0.5	0.173	0.0	(0.0)
olvi3'*	0.61	0.708	0.863	(1.0)
cmyn3'*	0.39	0.292	0.137	(0.0)

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

*LAB*LAB*	63.4	0.09	−25.72
*LAB*LABa*	63.4	0.75	−21.74
*LAB*TCHa*	75.0	21.76	271.99

relative* CIELAB *lab*

*lab*lab*	0.667	0.017	−0.499
*lab*tch*	0.75	0.5	0.756
*lab*nch*	0.0	0.5	0.756

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

*lab*lrj*	0.667	−0.009	−0.499
*lab*tce*	0.75	0.5	0.747
*lab*ncE*	0.0	0.5	g98b

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

*olvi3**	0.0	0.327	0.5	(1.0)
*cmyn3**	1.0	0.673	0.5	(0.0)
olvi3'*	0.13	0.265	0.395	(1.0)
cmyn3'*	0.87	0.735	0.605	(0.0)

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

*LAB*LAB*	20.54	−0.62	−24.03
*LAB*LABa*	20.54	0.76	−21.74
*LAB*TCHa*	25.01	21.76	272.01

relative* CIELAB *lab*

*lab*lab*	0.167	0.018	−0.499
*lab*tch*	0.25	0.5	0.756
*lab*nch*	0.5	0.5	0.756

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

*lab*lrj*	0.167	−0.009	−0.499
*lab*tce*	0.25	0.5	0.747
*lab*ncE*	0.5	0.5	g98b

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

*olvi3**	0.0	0.654	1.0	(1.0)
*cmyn3**	1.0	0.346	0.0	(0.0)
olvi3'*	0.049	0.496	0.876	(1.0)
cmyn3'*	0.951	0.504	0.124	(0.0)

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

*LAB*LAB*	34.83	0.37	−46.35
*LAB*LABa*	34.83	1.52	−43.49
*LAB*TCHa*	50.0	43.53	272.0

relative* CIELAB *lab*

*lab*lab*	0.333	0.035	−0.998
*lab*tch*	0.5	1.0	0.756
*lab*nch*	0.0	1.0	0.756

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

*lab*lrj*	0.333	−0.019	−0.999
*lab*tce*	0.5	1.0	0.747
*lab*ncE*	0.0	1.0	g98b

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

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.756 (links)
3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.756 (rechts)

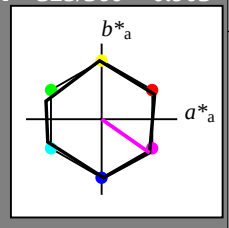
BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton B50R
LCH*Ma: 57 77 325
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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 = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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	1.0	(1.0)
*cmyn3**	0.0	0.5	0.0	(0.0)
*olvi4**	1.0	0.5	1.0	1.0
*cmyn4**	0.0	0.5	0.0	0.0

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

*LAB*LAB*	76.05	31.69	−22.18
*LAB*LABa*	76.05	31.69	−22.18
*LAB*TCHa*	75.0	38.69	325.0

relative* CIELAB *lab*

*lab*lab*	0.75	0.409	−0.286
*lab*tch*	0.75	0.5	0.903
*lab*nch*	0.0	0.5	0.903

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

*lab*lrj*	0.75	0.335	−0.37
*lab*tce*	0.75	0.5	0.867
*lab*ncE*	0.0	0.5	b46r

***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*	37.36	31.69	−22.18
*LAB*LABa*	37.36	31.69	−22.18
*LAB*TCHa*	25.01	38.69	325.0

relative* CIELAB *lab*

*lab*lab*	0.25	0.409	−0.286
*lab*tch*	0.25	0.5	0.903
*lab*nch*	0.5	0.5	0.903

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

*lab*lrj*	0.25	0.335	−0.37
*lab*tce*	0.25	0.5	0.867
*lab*ncE*	0.5	0.5	b46r

***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*	56.7	63.39	−44.38
*LAB*LABa*	56.7	63.39	−44.38
*LAB*TCHa*	50.0	77.38	325.0

relative* CIELAB *lab*

*lab*lab*	0.5	0.819	−0.572
*lab*tch*	0.5	1.0	0.903
*lab*nch*	0.0	1.0	0.903

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

*lab*lrj*	0.5	0.671	−0.74
*lab*tce*	0.5	1.0	0.867
*lab*ncE*	0.0	1.0	b46r

n = 0,00*

Schwarzheit *n**

n = 0,50*

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

relative Buntheit *c**

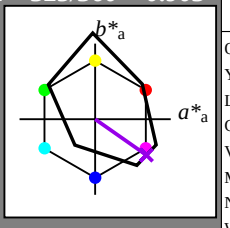
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton B50R
LCH*Ma: 22 83 325
olv*Ma: 0.5 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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	0.749	0.5	1.0	(1.0)
*cmyn3**	0.251	0.5	0.0	(0.0)
olvi3'*	0.803	0.499	0.826	(1.0)
cmyn3'*	0.197	0.501	0.174	(0.0)

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

*LAB*LAB*	57.13	33.16	−27.48
*LAB*LABa*	57.13	33.93	−23.74
*LAB*TCHa*	75.0	41.42	325.0

relative* CIELAB *lab*

*lab*lab*	0.594	0.41	−0.286
*lab*tch*	0.75	0.5	0.903
*lab*nch*	0.0	0.5	0.903

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

*lab*lrj*	0.594	0.326	−0.378
*lab*tce*	0.75	0.5	0.863
*lab*ncE*	0.0	0.5	b45r

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

*olvi3**	0.249	0.0	0.5	(1.0)
*cmyn3**	0.751	1.0	0.5	(0.0)
olvi3'*	0.348	0.013	0.363	(1.0)
cmyn3'*	0.652	0.987	0.637	(0.0)

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

*LAB*LAB*	14.28	32.43	−25.79
*LAB*LABa*	14.28	33.92	−23.75
*LAB*TCHa*	25.01	41.42	325.0

relative* CIELAB *lab*

*lab*lab*	0.094	0.409	−0.286
*lab*tch*	0.25	0.5	0.903
*lab*nch*	0.5	0.5	0.903

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

*lab*lrj*	0.094	0.326	−0.378
*lab*tce*	0.25	0.5	0.863
*lab*ncE*	0.5	0.5	b45r

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

*olvi3**	0.499	0.0	1.0	(1.0)
*cmyn3**	0.501	1.0	0.0	(0.0)
olvi3'*	0.592	0.0	0.915	(1.0)
cmyn3'*	0.408	1.0	0.085	(0.0)

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

*LAB*LAB*	22.3	66.49	−49.86
*LAB*LABa*	22.3	67.85	−47.5
*LAB*TCHa*	50.0	82.83	325.0

relative* CIELAB *lab*

*lab*lab*	0.187	0.819	−0.572
*lab*tch*	0.5	1.0	0.903
*lab*nch*	0.0	1.0	0.903

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

*lab*lrj*	0.187	0.652	−0.757
*lab*tce*	0.5	1.0	0.863
*lab*ncE*	0.0	1.0	b45r

n = 0,00*

Schwarzheit *n**

n = 0,50*

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

relative Buntheit *c**

n = 1,0*

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

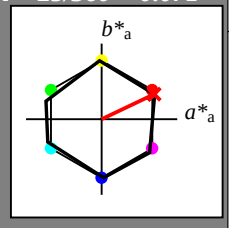
3 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton R
LCH*Ma: 57 77 25
olv*Ma: 1.0 0.01 0.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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 = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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	0.505	0.5	(1.0)
*cmyn3**	0.0	0.495	0.5	(0.0)
*olvi4**	1.0	0.505	0.5	1.0
*cmyn4**	0.0	0.495	0.5	0.0

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

*LAB*LAB*	76.05	34.74	16.55
*LAB*LABa*	76.05	34.74	16.55
*LAB*TCHa*	75.0	38.48	25.48

relative* CIELAB *lab*

*lab*lab*	0.75	0.451	0.215
*lab*tch*	0.75	0.5	0.071
*lab*nch*	0.0	0.5	0.071

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

*lab*lrj*	0.75	0.5	0.0
*lab*tce*	0.75	0.5	0.0
*lab*ncE*	0.0	0.5	r00j

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

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

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

*LAB*LAB*	37.36	34.75	16.55
*LAB*LABa*	37.36	34.75	16.55
*LAB*TCHa*	25.01	38.49	25.47

relative* CIELAB *lab*

*lab*lab*	0.25	0.451	0.215
*lab*tch*	0.25	0.5	0.071
*lab*nch*	0.5	0.5	0.071

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

*lab*lrj*	0.25	0.5	0.0
*lab*tce*	0.25	0.5	1.0
*lab*ncE*	0.5	0.5	b99r

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

*olvi3**	1.0	0.009	0.0	(1.0)
*cmyn3**	0.0	0.991	1.0	(0.0)
*olvi4**	1.0	0.009	0.0	1.0
*cmyn4**	0.0	0.991	1.0	0.0

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

*LAB*LAB*	56.7	69.48	33.1
*LAB*LABa*	56.7	69.48	33.1
*LAB*TCHa*	50.0	76.97	25.47

relative* CIELAB *lab*

*lab*lab*	0.5	0.903	0.43
*lab*tch*	0.5	1.0	0.071
*lab*nch*	0.0	1.0	0.071

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

*lab*lrj*	0.5	1.0	0.0
*lab*tce*	0.5	1.0	1.0
*lab*ncE*	0.0	1.0	b99r

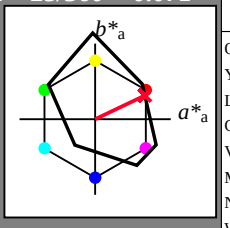
n = 0,00*
Schwarzheit *n**
n = 0,50*
0,25 0,50 0,75 1,00
relative Buntheit *c**
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton R
LCH*Ma: 33 73 25
olv*Ma: 1.0 0.0 0.19

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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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	0.594	(1.0)
*cmyn3**	0.0	0.5	0.406	(0.0)
olvi3'*	0.995	0.519	0.495	(1.0)
cmyn3'*	0.005	0.481	0.505	(0.0)

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

*LAB*LAB*	62.45	32.21	11.72
*LAB*LABa*	62.45	32.88	15.67
*LAB*TCHa*	75.0	36.43	25.48

relative* CIELAB *lab*

*lab*lab*	0.656	0.451	0.215
*lab*tch*	0.75	0.5	0.071
*lab*nch*	0.0	0.5	0.071

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

*lab*lrj*	0.656	0.5	−0.013
*lab*tce*	0.75	0.5	0.996
*lab*ncE*	0.0	0.5	b98r

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

*olvi3**	0.5	0.0	0.094	(1.0)
*cmyn3**	0.5	1.0	0.906	(0.0)
olvi3'*	0.54	0.056	0.106	(1.0)
cmyn3'*	0.46	0.944	0.894	(0.0)

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

*LAB*LAB*	19.6	31.48	13.42
*LAB*LABa*	19.6	32.88	15.68
*LAB*TCHa*	25.01	36.43	25.49

relative* CIELAB *lab*

*lab*lab*	0.156	0.451	0.215
*lab*tch*	0.25	0.5	0.071
*lab*nch*	0.5	0.5	0.071

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

*lab*lrj*	0.156	0.5	−0.012
*lab*tce*	0.25	0.5	0.996
*lab*ncE*	0.5	0.5	b98r

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

*olvi3**	1.0	0.0	0.188	(1.0)
*cmyn3**	0.0	1.0	0.812	(0.0)
olvi3'*	1.0	0.0	0.159	(1.0)
cmyn3'*	0.0	1.0	0.841	(0.0)

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

*LAB*LAB*	32.94	64.59	28.56
*LAB*LABa*	32.94	65.77	31.34
*LAB*TCHa*	50.0	72.85	25.48

relative* CIELAB *lab*

*lab*lab*	0.311	0.903	0.43
*lab*tch*	0.5	1.0	0.071
*lab*nch*	0.0	1.0	0.071

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

*lab*lrj*	0.311	0.999	−0.026
*lab*tce*	0.5	1.0	0.996
*lab*ncE*	0.0	1.0	b98r

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

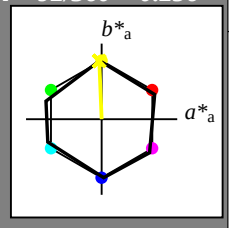
VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)
3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton J
LCH*Ma: 57 77 92
olv*Ma: 0.99 1.0 0.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

%Umfang
u*rel = 100
%Regularität
g*H,rel = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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**	0.997	1.0	0.5	(1.0)
*cmyn3**	0.003	0.0	0.5	(0.0)
*olvi4**	0.997	1.0	0.5	1.0
*cmyn4**	0.003	0.0	0.5	0.0

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

*LAB*LAB*	76.05	−1.54	38.52
*LAB*LABa*	76.05	−1.54	38.52
*LAB*TCHa*	75.0	38.55	92.3

relative* CIELAB *lab*

*lab*lab*	0.75	−0.019	0.499
*lab*tch*	0.75	0.5	0.256
*lab*nch*	0.0	0.5	0.256

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

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

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

*olvi3**	0.497	0.5	0.0	(1.0)
*cmyn3**	0.503	0.5	1.0	(0.0)
*olvi4**	0.997	1.0	0.5	0.5
*cmyn4**	0.003	0.0	0.5	0.5

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

*LAB*LAB*	37.36	−1.55	38.51
*LAB*LABa*	37.36	−1.55	38.51
*LAB*TCHa*	25.01	38.55	92.31

relative* CIELAB *lab*

*lab*lab*	0.25	−0.019	0.499
*lab*tch*	0.25	0.5	0.256
*lab*nch*	0.5	0.5	0.256

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

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

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

*olvi3**	0.994	1.0	0.0	(1.0)
*cmyn3**	0.006	0.0	1.0	(0.0)
*olvi4**	0.994	1.0	0.0	1.0
*cmyn4**	0.006	0.0	1.0	0.0

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

*LAB*LAB*	56.7	−3.09	77.03
*LAB*LABa*	56.7	−3.09	77.03
*LAB*TCHa*	50.0	77.1	92.31

relative* CIELAB *lab*

*lab*lab*	0.5	−0.039	0.999
*lab*tch*	0.5	1.0	0.256
*lab*nch*	0.0	1.0	0.256

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

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

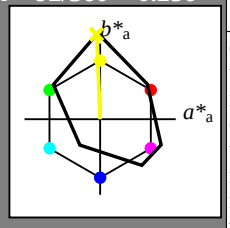
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton J
LCH*Ma: 82 112 92
olv*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit *t**



FRS06; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	−3.16	113.99	114.03	92
LMa	39.43	−61.79	45.84	76.95	143
CMa	47.86	−26.79	−34.24	43.49	232
VMa	10.16	55.12	−61.03	82.24	312
MMa	34.5	80.68	−33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	−2.52	76.25	76.29	92
GCIE	52.23	−41.56	17.14	44.96	158
BCIE	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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	0.988	1.0	0.5	(1.0)
*cmyn3**	0.012	0.0	0.5	(0.0)
olvi3'*	1.0	0.946	0.431	(1.0)
cmyn3'*	0.0	0.054	0.569	(0.0)

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

*LAB*LAB*	86.84	−2.52	51.29
*LAB*LABa*	86.84	−2.25	56.19
*LAB*TCHa*	75.0	56.24	92.31

relative* CIELAB *lab*

*lab*lab*	0.94	−0.019	0.499
*lab*tch*	0.75	0.5	0.256
*lab*nch*	0.0	0.5	0.256

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

*lab*lrj*	0.94	−0.004	0.5
*lab*tce*	0.75	0.5	0.252
*lab*ncE*	0.0	0.5	j00g

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

*olvi3**	0.488	0.5	0.0	(1.0)
*cmyn3**	0.512	0.5	1.0	(0.0)
olvi3'*	0.585	0.483	0.002	(1.0)
cmyn3'*	0.415	0.517	0.998	(0.0)

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

*LAB*LAB*	43.99	−3.25	52.97
*LAB*LABa*	43.99	−2.26	56.19
*LAB*TCHa*	25.01	56.23	92.31

relative* CIELAB *lab*

*lab*lab*	0.44	−0.019	0.499
*lab*tch*	0.25	0.5	0.256
*lab*nch*	0.5	0.5	0.256

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

*lab*lrj*	0.44	−0.004	0.5
*lab*tce*	0.25	0.5	0.252
*lab*ncE*	0.5	0.5	j00g

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

*olvi3**	0.977	1.0	0.0	(1.0)
*cmyn3**	0.023	0.0	1.0	(0.0)
olvi3'*	0.97	0.993	0.001	(1.0)
cmyn3'*	0.03	0.007	0.999	(0.0)

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

*LAB*LAB*	81.72	−4.88	107.68
*LAB*LABa*	81.72	−4.52	112.38
*LAB*TCHa*	50.0	112.47	92.31

relative* CIELAB *lab*

*lab*lab*	0.88	−0.039	0.999
*lab*tch*	0.5	1.0	0.256
*lab*nch*	0.0	1.0	0.256

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

*lab*lrj*	0.88	−0.009	1.0
*lab*tce*	0.5	1.0	0.252
*lab*ncE*	0.0	1.0	j00g

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

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)
3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

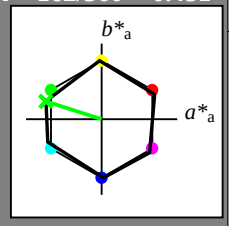
BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton G
LCH*Ma: 57 77 162
olv*Ma: 0.0 1.0 0.01

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

%Umfang
u*rel = 100
%Regularität
g*H,rel = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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	0.503	(1.0)
*cmyn3**	0.5	0.0	0.497	(0.0)
*olvi4**	0.5	1.0	0.503	1.0
*cmyn4**	0.5	0.0	0.497	0.0

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

*LAB*LAB*	76.05	−36.78	11.8
*LAB*LABa*	76.05	−36.78	11.8
*LAB*TCHa*	75.0	38.64	162.22

relative* CIELAB *lab*

*lab*lab*	0.75	−0.475	0.153
*lab*tch*	0.75	0.5	0.451
*lab*nch*	0.0	0.5	0.451

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

*lab*lrj*	0.75	−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	0.003	(1.0)
*cmyn3**	1.0	0.5	0.997	(0.0)
*olvi4**	0.5	1.0	0.503	0.5
*cmyn4**	0.5	0.0	0.497	0.5

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

*LAB*LAB*	37.36	−36.78	11.8
*LAB*LABa*	37.36	−36.78	11.8
*LAB*TCHa*	25.01	38.64	162.22

relative* CIELAB *lab*

*lab*lab*	0.25	−0.475	0.153
*lab*tch*	0.25	0.5	0.451
*lab*nch*	0.5	0.5	0.451

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

*lab*lrj*	0.25	−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	0.006	(1.0)
*cmyn3**	1.0	0.0	0.994	(0.0)
*olvi4**	0.0	1.0	0.006	1.0
*cmyn4**	1.0	0.0	0.994	0.0

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

*LAB*LAB*	56.7	−73.57	23.6
*LAB*LABa*	56.7	−73.57	23.6
*LAB*TCHa*	50.0	77.27	162.22

relative* CIELAB *lab*

*lab*lab*	0.5	−0.951	0.305
*lab*tch*	0.5	1.0	0.451
*lab*nch*	0.0	1.0	0.451

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

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

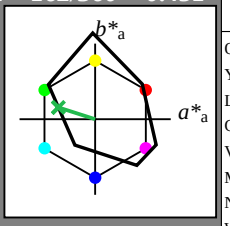
*n** = 0,00
Schwarzheit *n**
*n** = 0,50
0,25 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton G
LCH*Ma: 43 51 162
olv*Ma: 0.0 1.0 0.38

Dreiecks-Helligkeit *t**



FRS06; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	−3.16	113.99	114.03	92
LMa	39.43	−61.79	45.84	76.95	143
CMa	47.86	−26.79	−34.24	43.49	232
VMa	10.16	55.12	−61.03	82.24	312
MMa	34.5	80.68	−33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	−2.52	76.25	76.29	92
GCIE	52.23	−41.56	17.14	44.96	158
BCIE	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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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	0.689	(1.0)
*cmyn3**	0.5	0.0	0.311	(0.0)
olvi3'*	0.567	0.85	0.628	(1.0)
cmyn3'*	0.433	0.15	0.372	(0.0)

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

*LAB*LAB*	67.29	−24.87	3.65
*LAB*LABa*	67.29	−24.27	7.78
*LAB*TCHa*	75.0	25.5	162.23

relative* CIELAB *lab*

*lab*lab*	0.712	−0.475	0.153
*lab*tch*	0.75	0.5	0.451
*lab*nch*	0.0	0.5	0.451

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

*lab*lrj*	0.712	−0.498	−0.03
*lab*tce*	0.75	0.5	0.51
*lab*ncE*	0.0	0.5	g04b

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

*olvi3**	0.0	0.5	0.189	(1.0)
*cmyn3**	1.0	0.5	0.811	(0.0)
olvi3'*	0.112	0.364	0.182	(1.0)
cmyn3'*	0.888	0.636	0.818	(0.0)

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

*LAB*LAB*	24.44	−25.6	5.34
*LAB*LABa*	24.44	−24.28	7.79
*LAB*TCHa*	25.01	25.5	162.21

relative* CIELAB *lab*

*lab*lab*	0.212	−0.475	0.153
*lab*tch*	0.25	0.5	0.451
*lab*nch*	0.5	0.5	0.451

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

*lab*lrj*	0.212	−0.498	−0.03
*lab*tce*	0.25	0.5	0.51
*lab*ncE*	0.5	0.5	g03b

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

*olvi3**	0.0	1.0	0.378	(1.0)
*cmyn3**	1.0	0.0	0.622	(0.0)
olvi3'*	0.135	0.724	0.307	(1.0)
cmyn3'*	0.865	0.276	0.693	(0.0)

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

*LAB*LAB*	42.62	−49.57	12.41
*LAB*LABa*	42.62	−48.56	15.57
*LAB*TCHa*	50.0	51.0	162.22

relative* CIELAB *lab*

*lab*lab*	0.424	−0.951	0.305
*lab*tch*	0.5	1.0	0.451
*lab*nch*	0.0	1.0	0.451

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

*lab*lrj*	0.424	−0.997	−0.062
*lab*tce*	0.5	1.0	0.51
*lab*ncE*	0.0	1.0	g04b

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

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)
3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

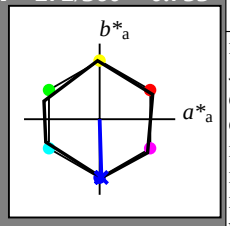
BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton B
LCH*Ma: 57 77 272
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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 = 59
g*C,rel = 100

***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*	95.41	0.0	0.0
*LAB*LABa*	95.41	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*	56.72	0.0	0.0
*LAB*LABa*	56.72	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*	18.03	0.0	0.0
*LAB*LABa*	18.03	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	0.502	1.0	(1.0)
*cmyn3**	0.5	0.498	0.0	(0.0)
*olvi4**	0.5	0.503	1.0	1.0
*cmyn4**	0.5	0.497	0.0	0.0

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

*LAB*LAB*	76.05	1.17	−38.54
*LAB*LABa*	76.05	1.17	−38.54
*LAB*TCHa*	75.0	38.57	271.74

relative* CIELAB *lab*

*lab*lab*	0.75	0.015	−0.499
*lab*tch*	0.75	0.5	0.755
*lab*nch*	0.0	0.5	0.755

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

*lab*lrj*	0.75	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	0.002	0.5	(1.0)
*cmyn3**	1.0	0.998	0.5	(0.0)
*olvi4**	0.5	0.502	1.0	0.5
*cmyn4**	0.5	0.498	0.0	0.5

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

*LAB*LAB*	37.36	1.18	−38.55
*LAB*LABa*	37.36	1.18	−38.55
*LAB*TCHa*	25.01	38.58	271.75

relative* CIELAB *lab*

*lab*lab*	0.25	0.015	−0.499
*lab*tch*	0.25	0.5	0.755
*lab*nch*	0.5	0.5	0.755

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

*lab*lrj*	0.25	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	0.005	1.0	(1.0)
*cmyn3**	1.0	0.995	0.0	(0.0)
*olvi4**	0.0	0.005	1.0	1.0
*cmyn4**	1.0	0.995	0.0	0.0

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

*LAB*LAB*	56.7	2.35	−77.1
*LAB*LABa*	56.7	2.35	−77.1
*LAB*TCHa*	50.0	77.15	271.74

relative* CIELAB *lab*

*lab*lab*	0.5	0.03	−0.998
*lab*tch*	0.5	1.0	0.755
*lab*nch*	0.0	1.0	0.755

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

*lab*lrj*	0.5	0.0	−0.999
*lab*tce*	0.5	1.0	0.75
*lab*ncE*	0.0	1.0	b00r

n = 0,00*

Schwarzheit *n**

n = 0,50*

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

relative Buntheit *c**

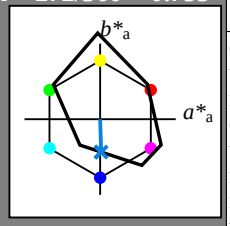
n = 1,0*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

D65: Buntton B
LCH*Ma: 35 43 272
olv*Ma: 0.0 0.66 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)
olvi3'*	1.0	1.0	1.0	(1.0)
cmyn3'*	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)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)

***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)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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	0.828	1.0	(1.0)
*cmyn3**	0.5	0.172	0.0	(0.0)
olvi3'*	0.609	0.709	0.863	(1.0)
cmyn3'*	0.391	0.291	0.137	(0.0)

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

*LAB*LAB*	63.44	0.0	−25.69
*LAB*LABa*	63.44	0.65	−21.71
*LAB*TCHa*	75.0	21.73	271.72

relative* CIELAB *lab*

*lab*lab*	0.667	0.015	−0.499
*lab*tch*	0.75	0.5	0.755
*lab*nch*	0.0	0.5	0.755

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

*lab*lrj*	0.667	−0.011	−0.499
*lab*tce*	0.75	0.5	0.746
*lab*ncE*	0.0	0.5	g98b

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

*olvi3**	0.0	0.328	0.5	(1.0)
*cmyn3**	1.0	0.672	0.5	(0.0)
olvi3'*	0.129	0.266	0.395	(1.0)
cmyn3'*	0.871	0.734	0.605	(0.0)

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

*LAB*LAB*	20.59	−0.72	−24.0
*LAB*LABa*	20.59	0.66	−21.71
*LAB*TCHa*	25.01	21.73	271.75

relative* CIELAB *lab*

*lab*lab*	0.167	0.015	−0.499
*lab*tch*	0.25	0.5	0.755
*lab*nch*	0.5	0.5	0.755

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

*lab*lrj*	0.167	−0.01	−0.499
*lab*tce*	0.25	0.5	0.746
*lab*ncE*	0.5	0.5	g98b

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

*olvi3**	0.0	0.657	1.0	(1.0)
*cmyn3**	1.0	0.343	0.0	(0.0)
olvi3'*	0.048	0.498	0.876	(1.0)
cmyn3'*	0.952	0.502	0.124	(0.0)

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

*LAB*LAB*	34.92	0.17	−46.28
*LAB*LABa*	34.92	1.32	−43.42
*LAB*TCHa*	50.0	43.45	271.73

relative* CIELAB *lab*

*lab*lab*	0.334	0.03	−0.998
*lab*tch*	0.5	1.0	0.755
*lab*nch*	0.0	1.0	0.755

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

*lab*lrj*	0.334	−0.022	−0.999
*lab*tce*	0.5	1.0	0.746
*lab*ncE*	0.0	1.0	g98b

n = 0,00*

Schwarzheit *n**

n = 0,50*

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

relative Buntheit *c**

n = 1,0*

VG310−7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

BAM-Prüfvorlage VG31; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*