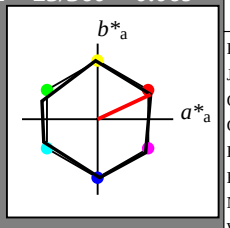
Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

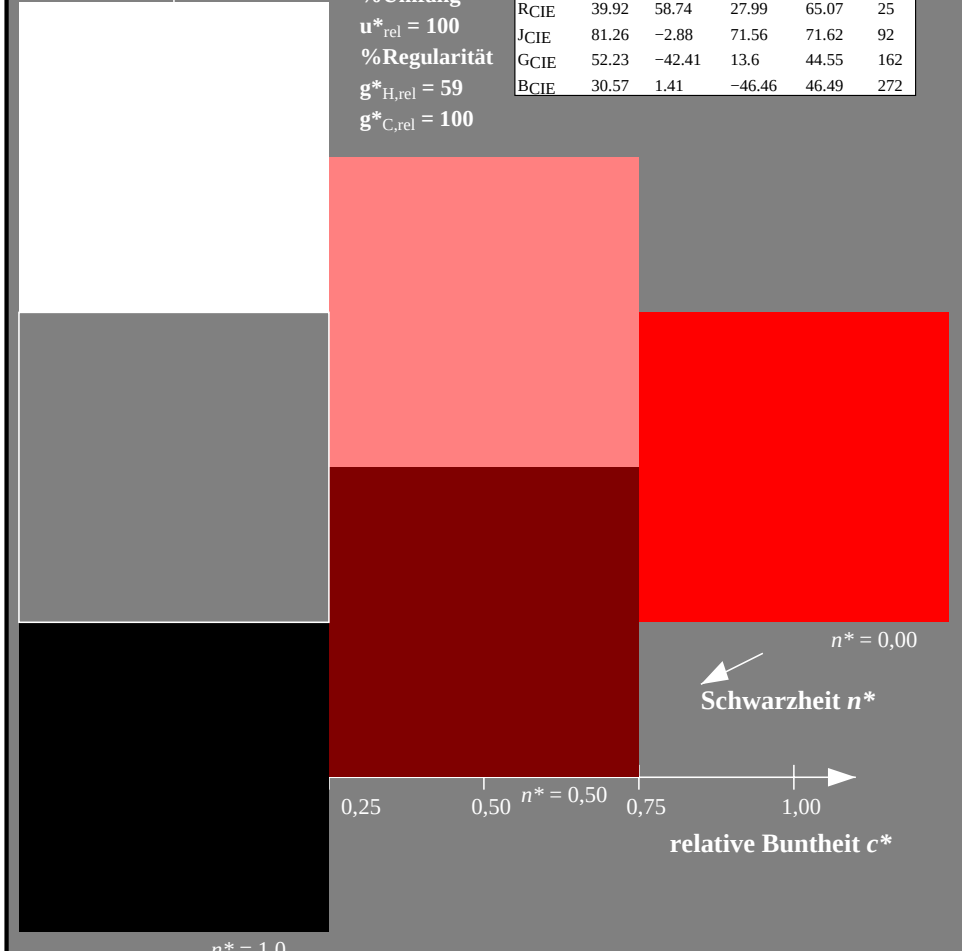
Dreiecks-Helligkeit *t**



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

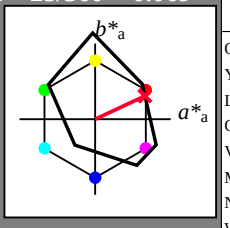


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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**

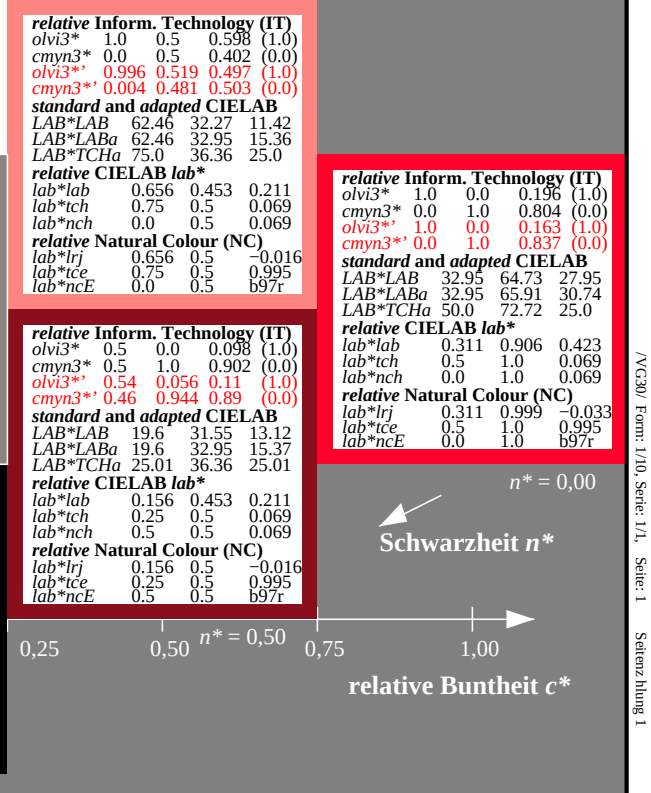
*LAB*LAB*	32.95	64.73	27.95
*LAB*LABa*	32.95	65.91	30.74
*LAB*TCHa*	50.0	72.72	25.0

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



VG300−7, 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 VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

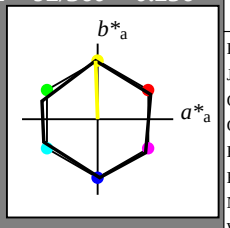
BAM-Registrierung: 20060101-VG30/10L/L30G00FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 1/10. Serie: 1/1, Seite: 1 Seitenz hlung 1

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

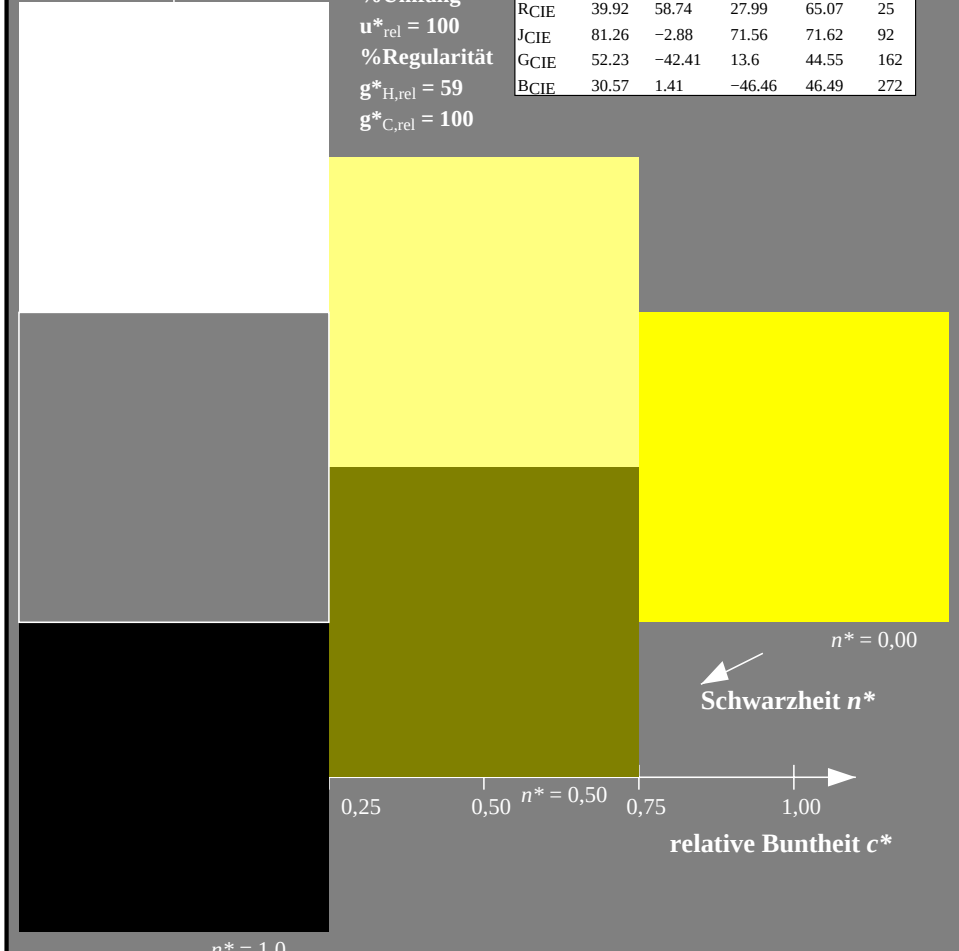
Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

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

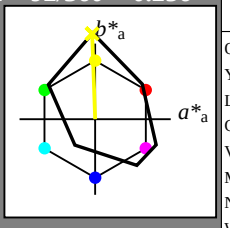


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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**



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

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

***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 –

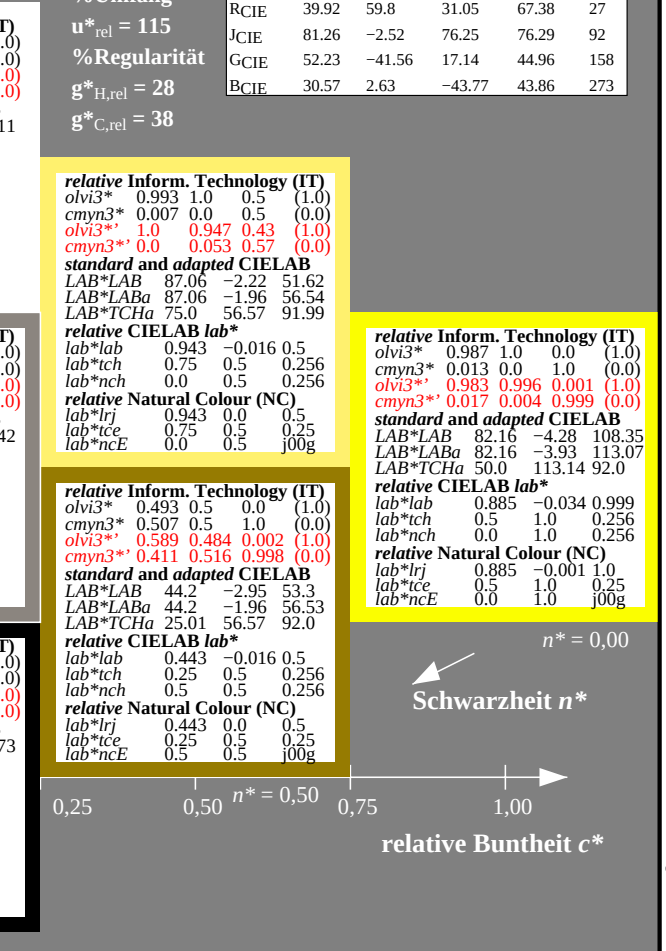
***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.5 0.5 (1.0)
*cmyn3** 0.5 0.5 0.5 (0.0)
olvi3'* 0.546 0.52 0.498 (1.0)
cmyn3'* 0.454 0.48 0.502 (0.0)
***standard* and *adapted* CIELAB**
*LAB*LAB* 49.11 −0.89 −3.42
*LAB*LABa* 49.11 0.0 0.0
*LAB*TCHa* 50.0 0.01 –
relative* CIELAB *lab*
*lab*lab* 0.5 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



VG300−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

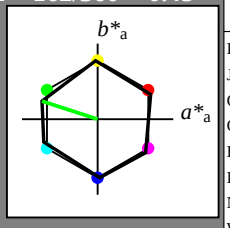
BAM-Registrierung: 20060101-VG30/10L/L30G01FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 2/10. Serie: 1/1, Seite: 2 Seitenz hlung 1

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

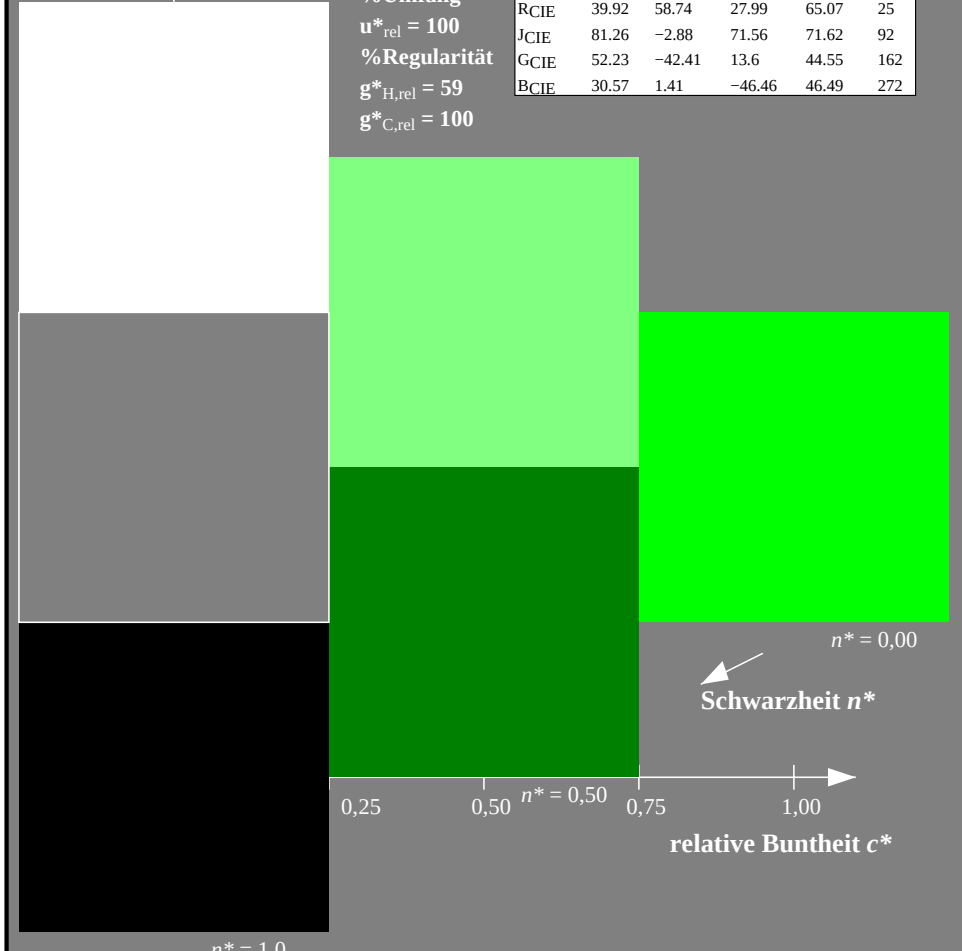
Dreiecks-Helligkeit *t**



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

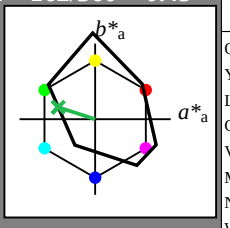


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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**

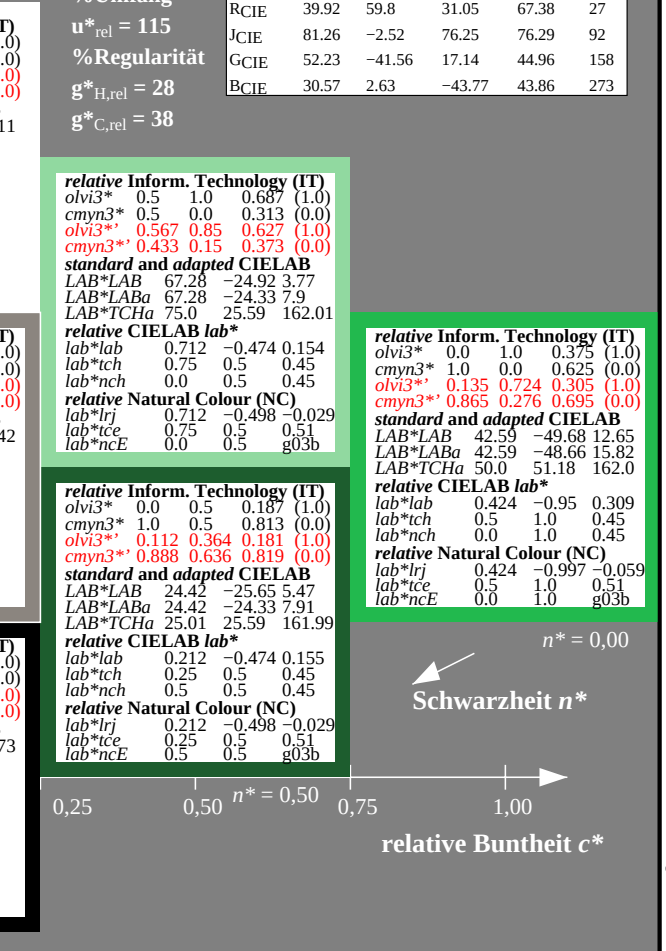
*LAB*LAB*	42.59	−49.68	12.65
*LAB*LABa*	42.59	−48.66	15.82
*LAB*TCHa*	50.0	51.18	162.0

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



VG300−7, 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 VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

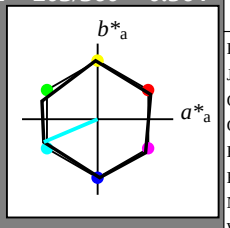
BAM-Registrierung: 20060101-VG30/10L/L30G02FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 3/10. Serie: 1/1, Seite: 3 Seitenz hlung 1

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

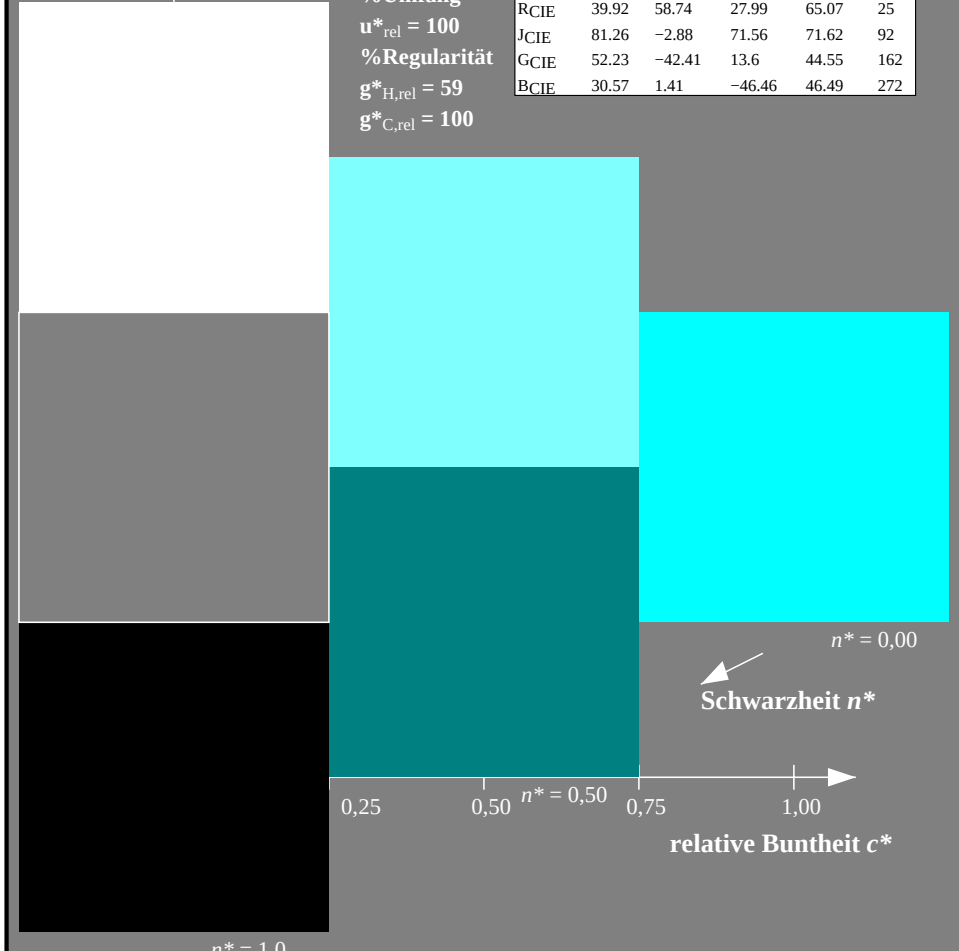
Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

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



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)

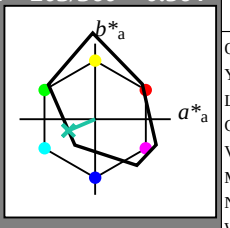
*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

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

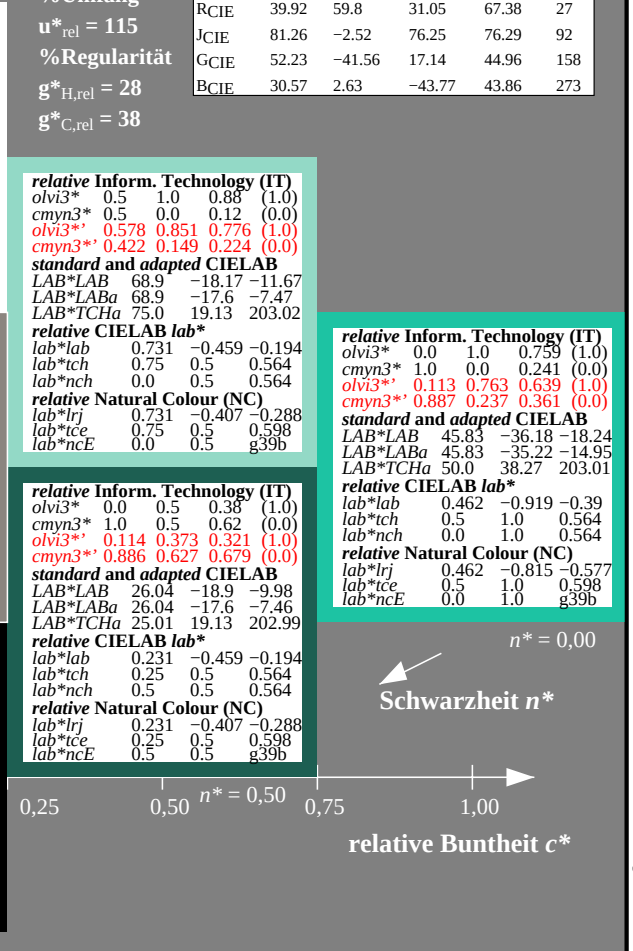
Dreiecks-Helligkeit *t**



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

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



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	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

VG300−7, 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 VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

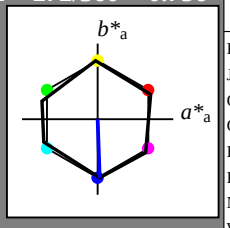
BAM-Registrierung: 20060101-VG30/10L/L30G03FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 4/10. Serie: 1/1, Seite: 4 Seitenz hlung 1

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

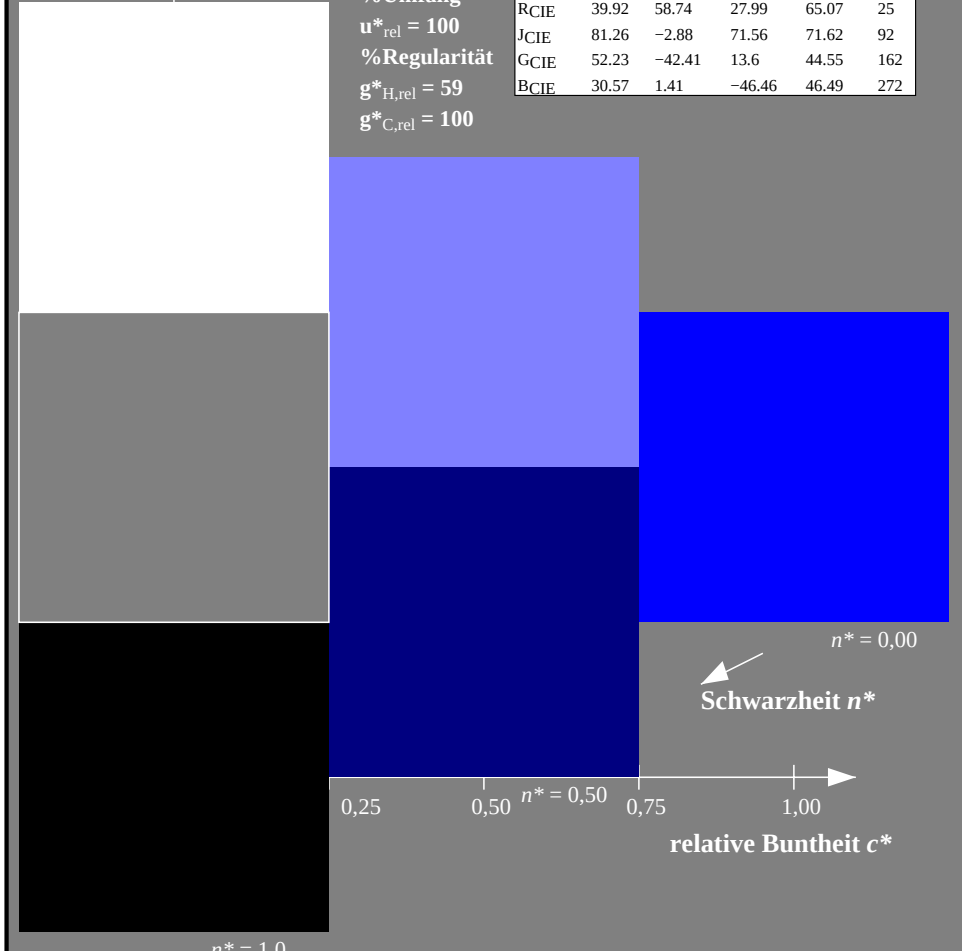
Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

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

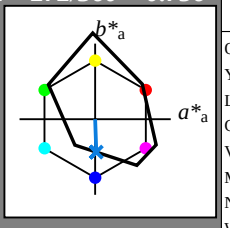


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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**



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

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

***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**

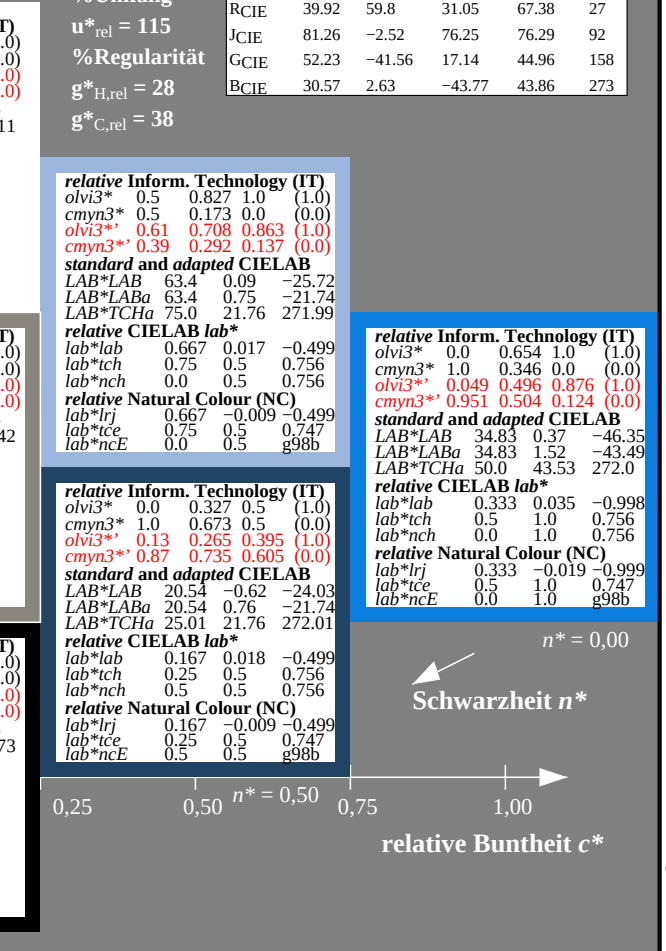
*LAB*LAB*	34.83	0.37	−46.35
*LAB*LABa*	34.83	1.52	−43.49
*LAB*TCHa*	50.0	43.53	272.0

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



VG300−7, 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 VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

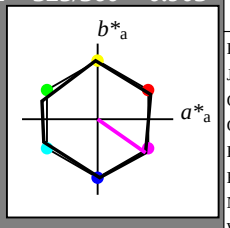
BAM-Registrierung: 20060101-VG30/10L/L30G04FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 5/10. Serie: 1/1, Seite: 5 Seitenz hlung 1

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

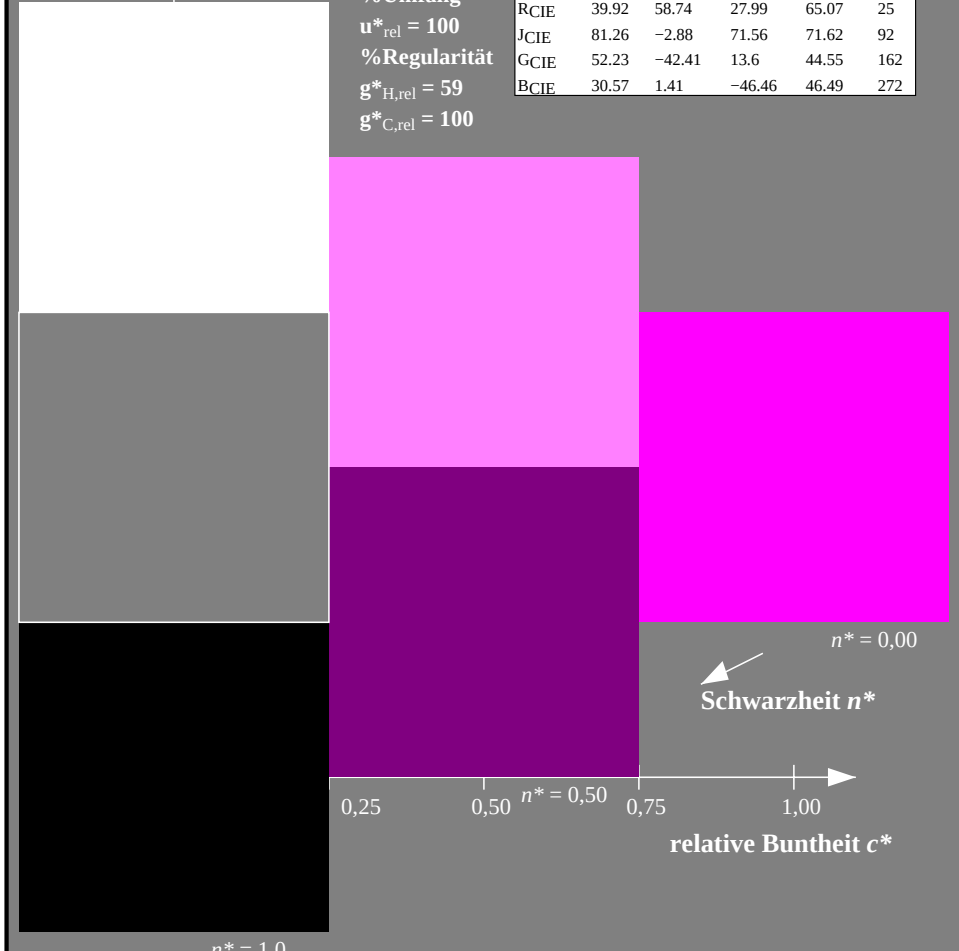
Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

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

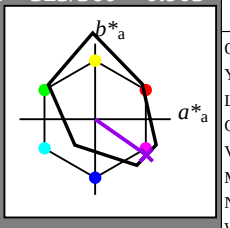


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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**



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

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

***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**

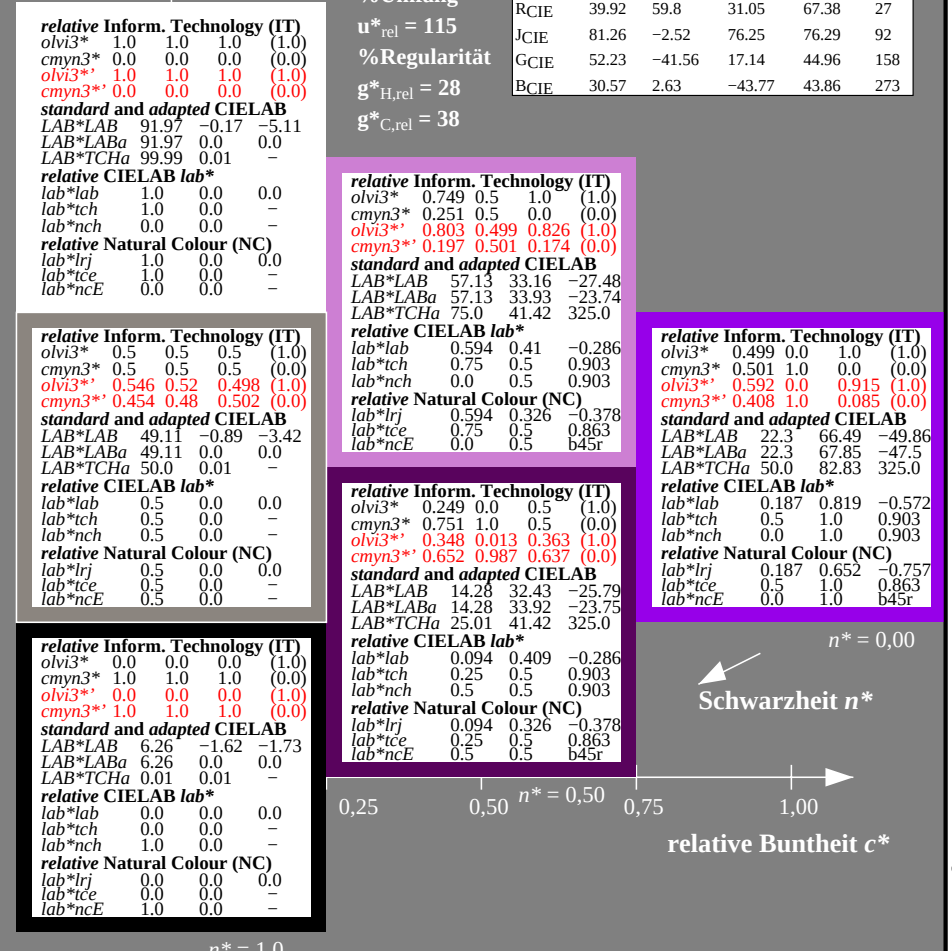
*LAB*LAB*	22.3	66.49	−49.86
*LAB*LABa*	22.3	67.85	−47.5
*LAB*TCHa*	50.0	82.83	325.0

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



VG300−7, 3 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

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

BAM-Prüfvorlage VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

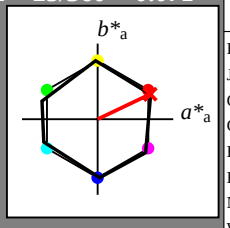
BAM-Registrierung: 20060101-VG30/10L/L30G05FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 6/10. Serie: 1/1, Seite: 6 Seitenz hlung 1

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

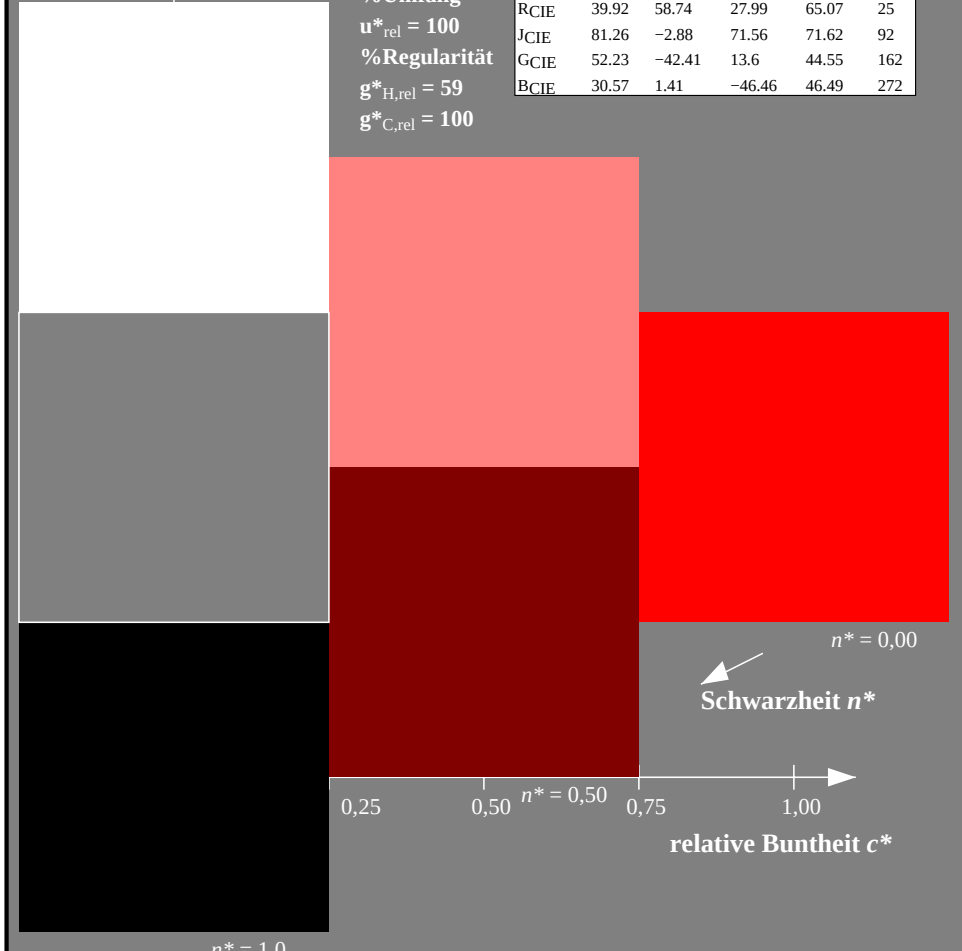
Dreiecks-Helligkeit *t**



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

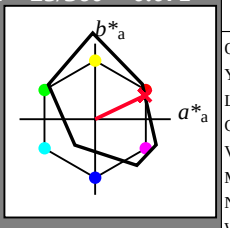


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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**	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	0.5	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**	0.5	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**	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	0.0	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**

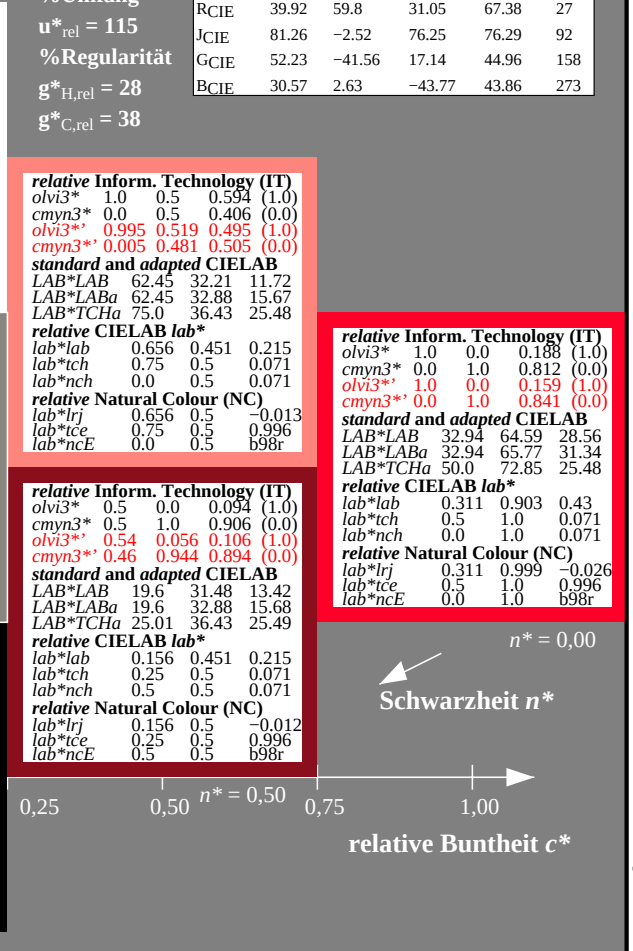
*LAB*LAB*	32.94	64.59	28.56
*LAB*LABa*	32.94	65.77	31.34
*LAB*TCHa*	50.0	72.85	25.48

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



VG300−7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Registrierung: 20060101-VG30/10L/L30G06FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen, Yr=2.5, XYZ

/VG30/ Form: 7/10. Serie: 1/1, Seite: 7 Seitenzählung 1

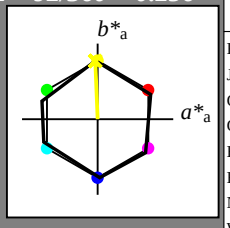
Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

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

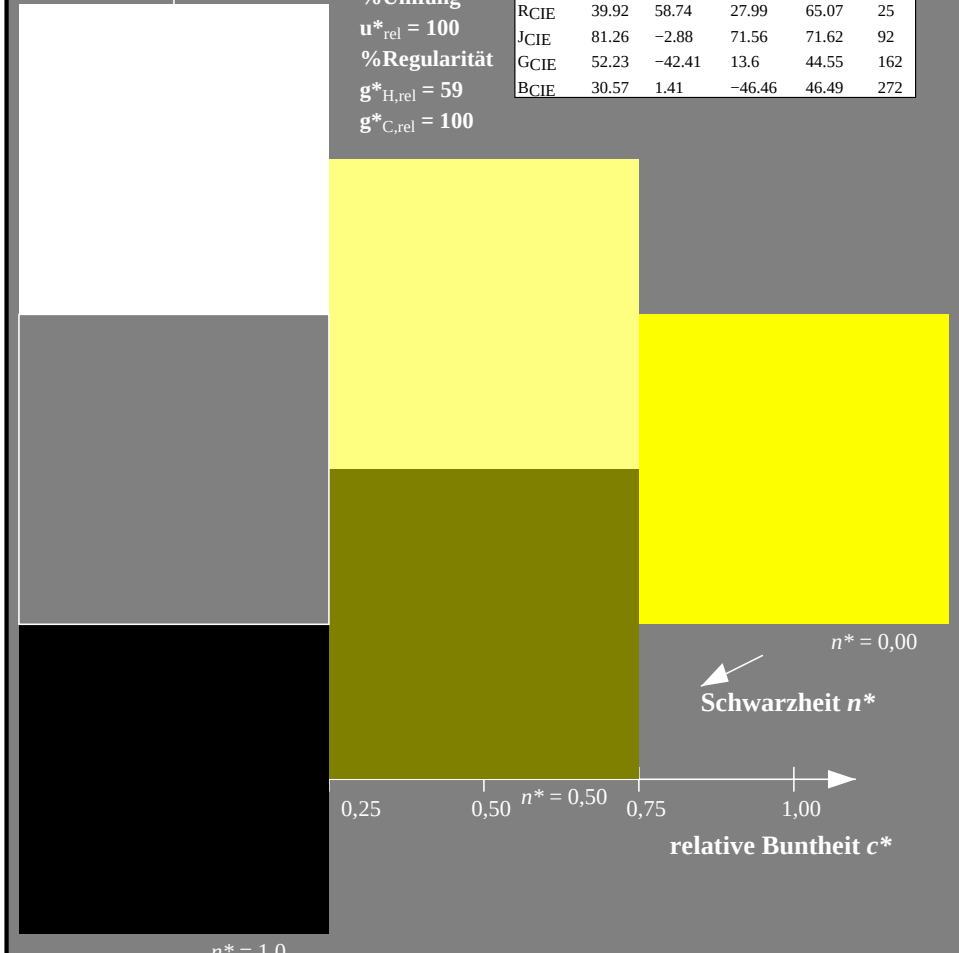
Dreiecks-Helligkeit *t**



CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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

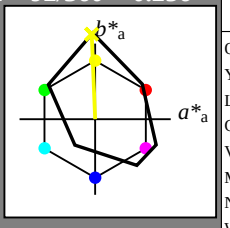


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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**	0.988	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**

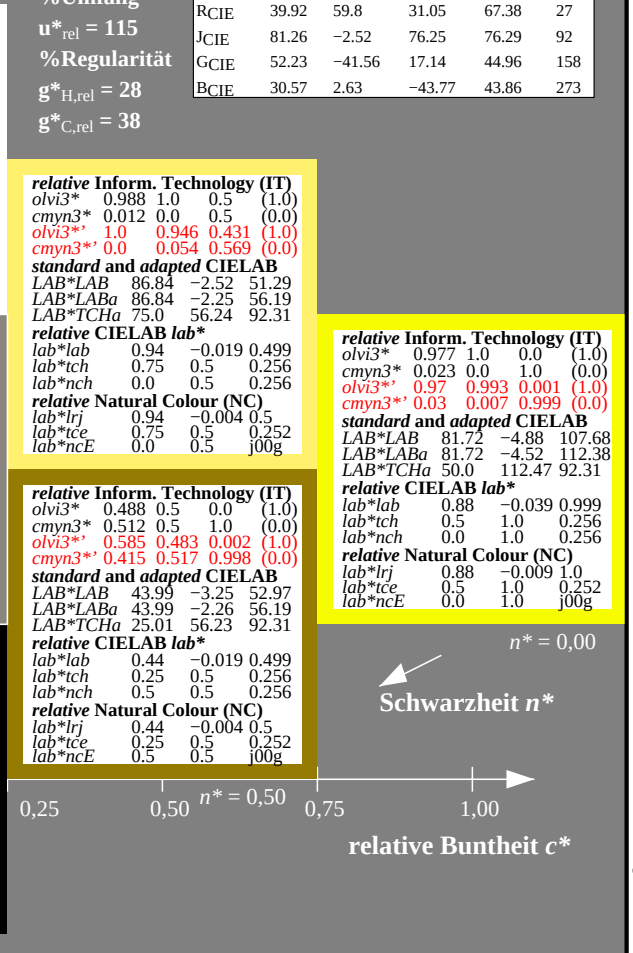
*LAB*LAB*	81.72	−4.88	107.68
*LAB*LABa*	81.72	−4.52	112.38
*LAB*TCHa*	50.0	112.47	92.31

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



VG300−7, 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 VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

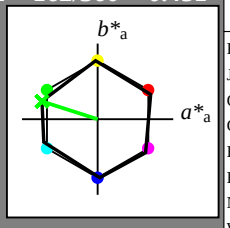
BAM-Registrierung: 20060101-VG30/10L/L30G07FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen, Yr=2.5, XYZ

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

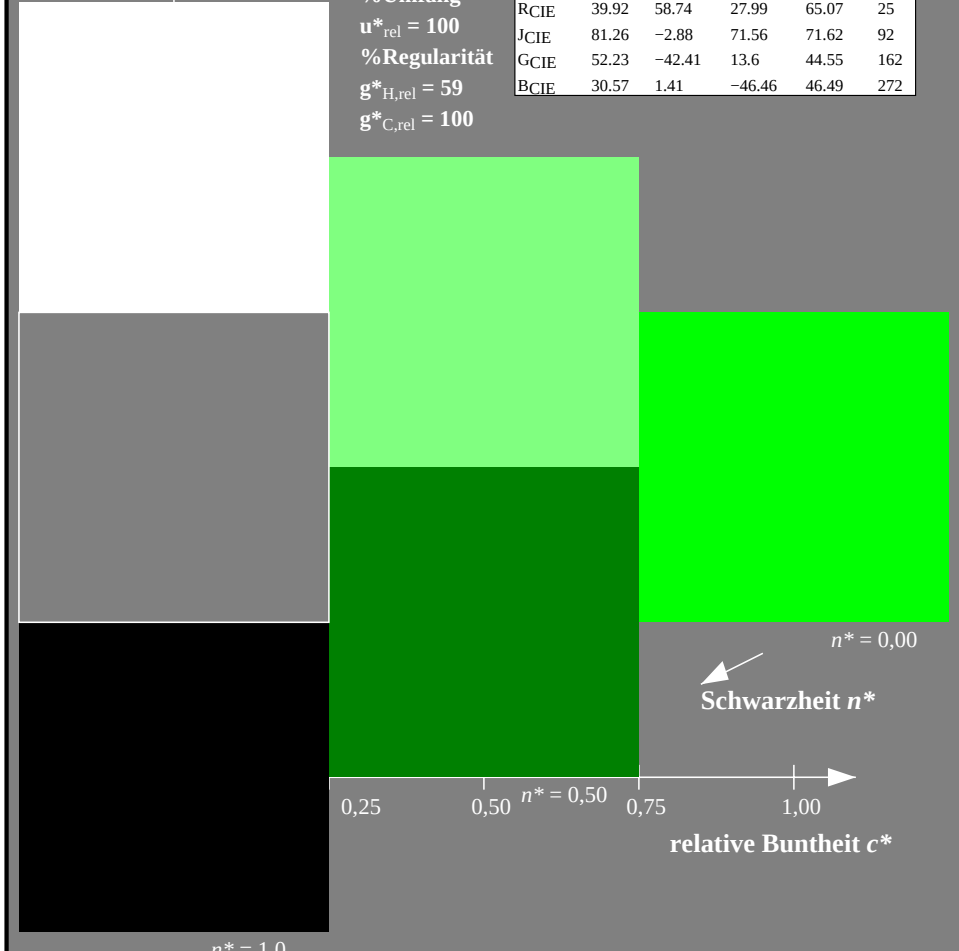
Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

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

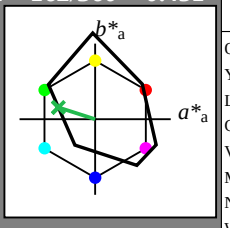


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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**



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

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

***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 –

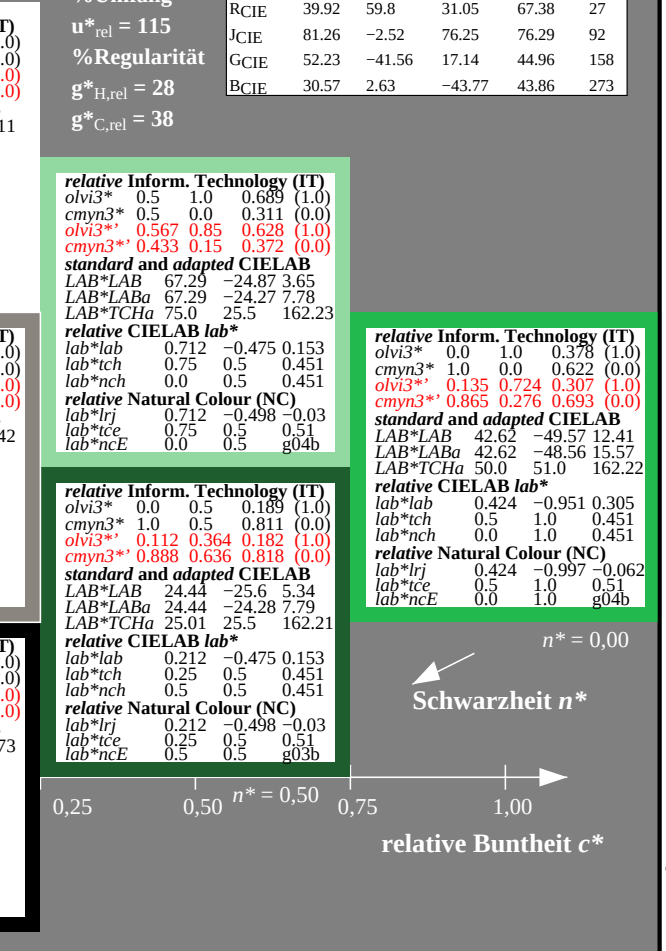
***relative* Inform. Technology (IT)**
*olvi3** 0.5 1.0 0.689 (1.0)
*cmyn3** 0.5 0.0 0.311 (0.0)
olvi3'* 0.567 0.85 0.628 (1.0)
cmyn3'* 0.433 0.15 0.372 (0.0)
***standard* and *adapted* CIELAB**
*LAB*LAB* 67.29 −24.87 3.65
*LAB*LABa* 67.29 −24.27 7.78
*LAB*TCHa* 75.0 25.5 162.23
relative* CIELAB *lab*
*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** 0.5 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 0.5 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 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** 0.0 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



VG300−7, 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 VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

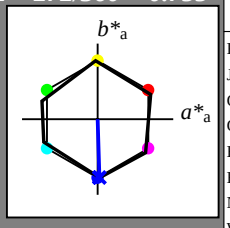
BAM-Registrierung: 20060101-VG30/10L/L30G08FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 9/10. Serie: 1/1, Seite: 9 Seitenz hlung 1

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

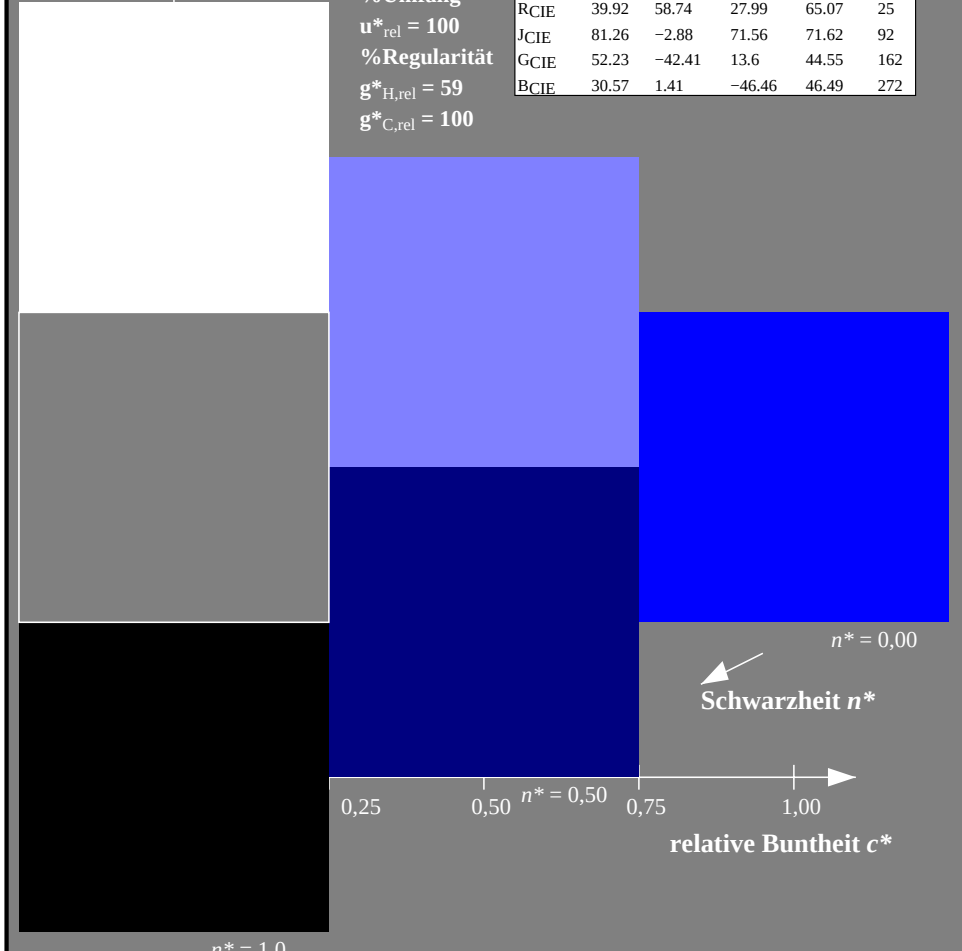
Dreiecks-Helligkeit *t**



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

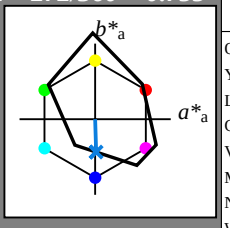


Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

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

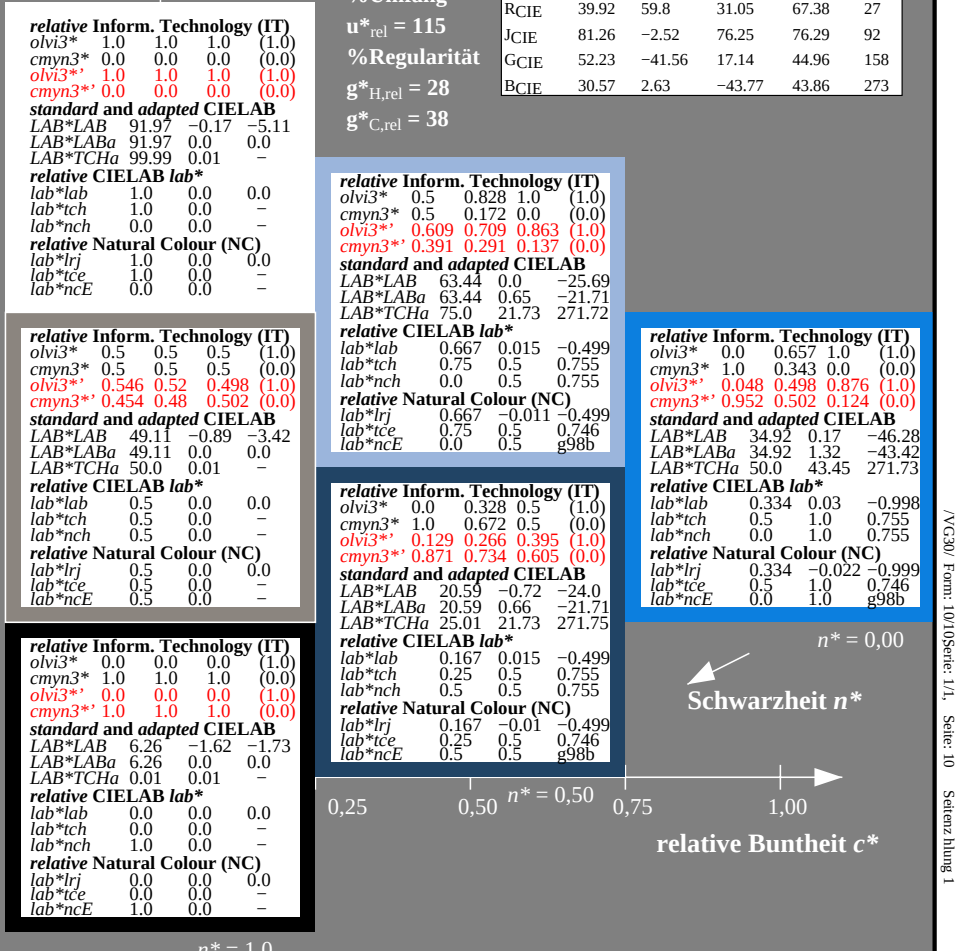
Dreiecks-Helligkeit *t**



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

VG300−7, 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 VG30; Farbmetrik-Systeme CNS18 & FRS06 input: *olv* setrgbcolor*
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *olv*' (TRI9) setrgbcolor*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG30/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

BAM-Registrierung: 20060101-VG30/10L/L30G09FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen, Yr=2.5, XYZ
/VG30/ Form: 10/10Serie: 1/1, Seite: 10 Seitenz hlung 1