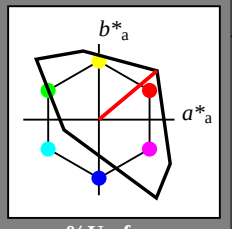
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h = lab*h = 40/360 = 0.111***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 51 100 40
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 158

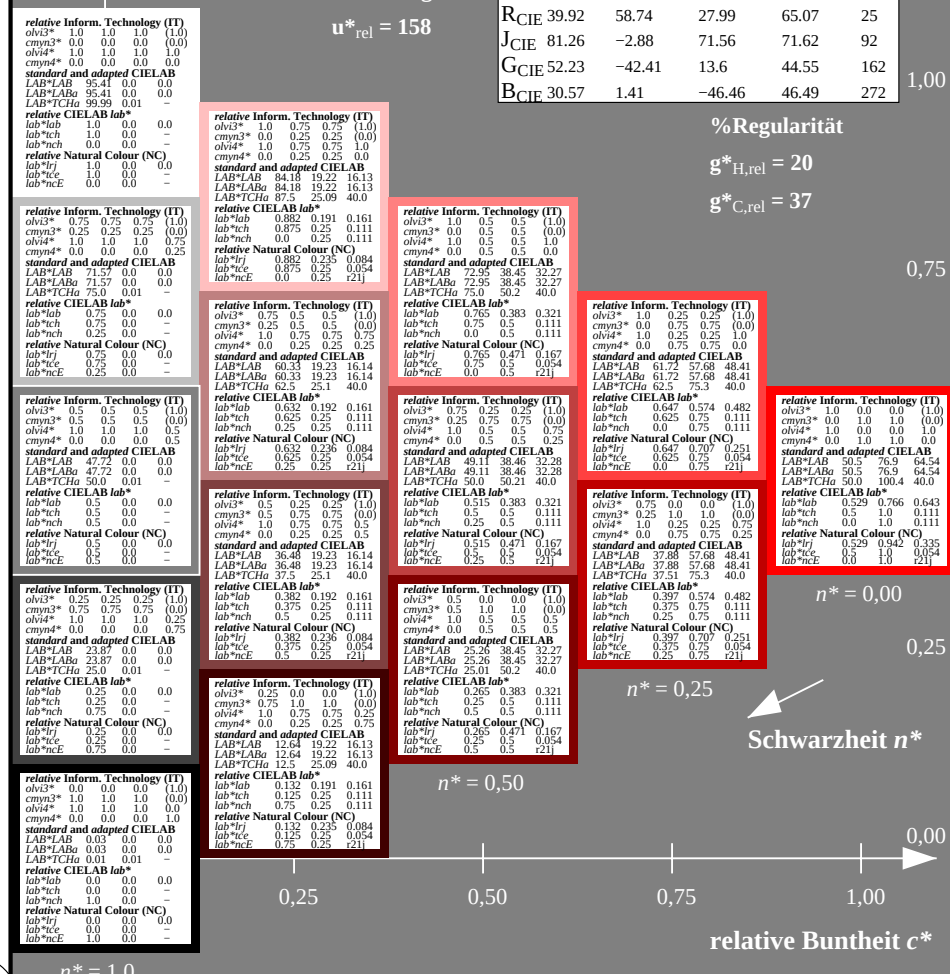
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 20

$g^*_{C,rel}$ = 37

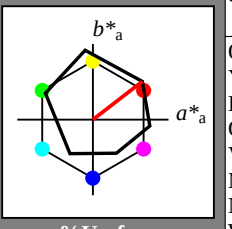


Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h = lab*h = 38/360 = 0.105***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 93

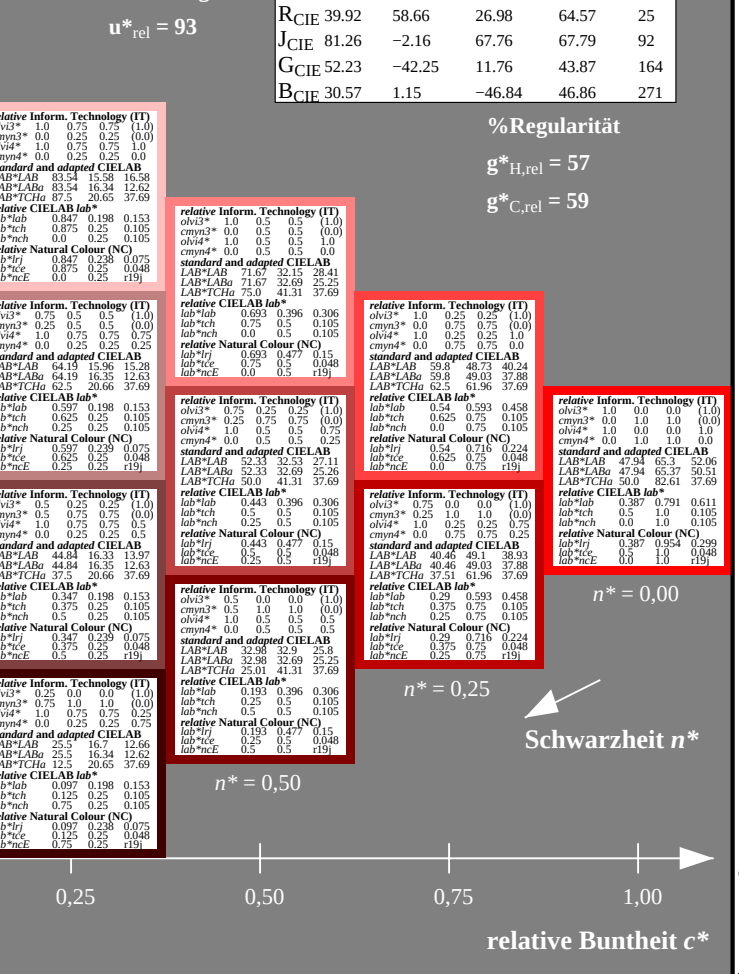
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59



NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG55/10Q/Q55G00NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG55/ Form: 1/10, Serie: 1/1, Seite: 1 Sattenz hlung 1

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

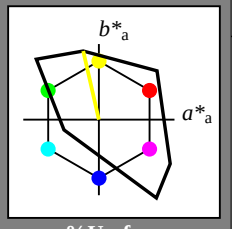
BAM-Registrierung: 20060101-NG55/10Q/Q55G01NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG55/ Form: 2/10, Serie: 1/1, Seite: 2 Sattenz hlung 2

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h* = lab*h = 103/360 = 0.286*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 93 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 158

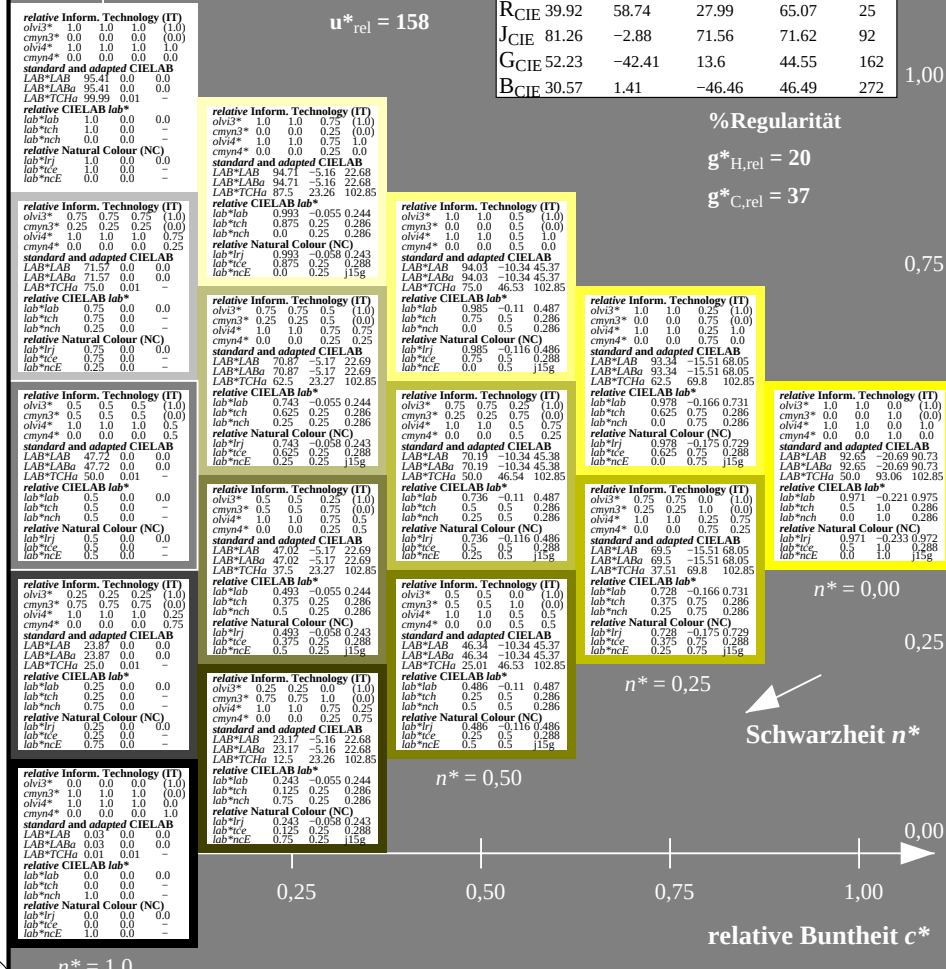
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 20

$g^*_{C,rel}$ = 37

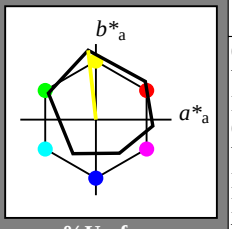


Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h* = lab*h = 96/360 = 0.268*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 92 96
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 93

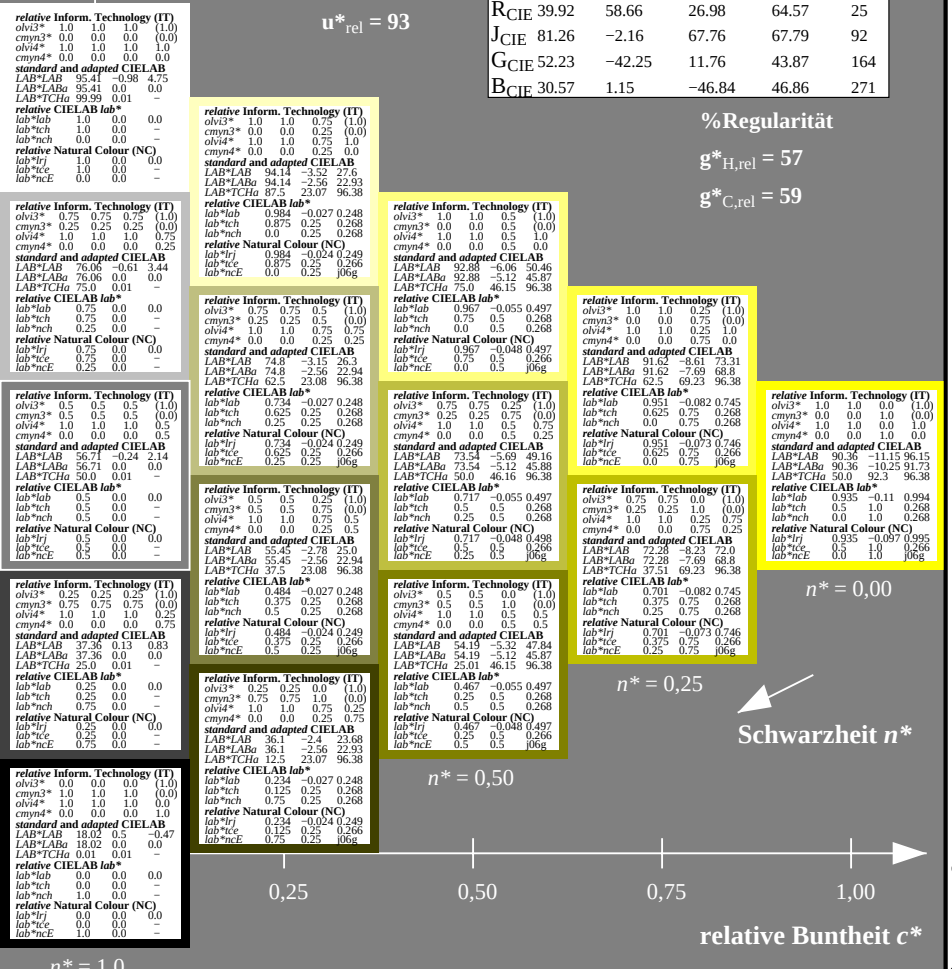
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59



NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links) 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

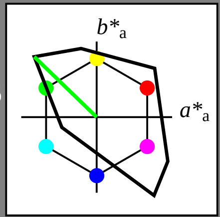
Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h* = lab*h = 136/360 = 0.378*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 115 136
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 158

TLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 20

g*C,rel = 37

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* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 1.0
cmyn4* 0.25 0.0 0.25 0.0
standard **and** *adapted* **CIELAB**
LAB*LAB 92.46 −20.67 19.97
LAB*LABa 92.46 −20.67 19.97
LAB*TCHa 87.5 28.75 136.01
relative **CIELAB** *lab**
lab*lab 0.969 −0.179 0.174
lab*tch 0.875 0.25 0.378
lab*nch 0.0 0.25 0.378
relative **Natural Colour (NC)**
lab*lrj 0.969 −0.207 0.139
lab*tce 0.875 0.25 0.406
lab*ncE 0.0 0.25 j62g

1,00

relative **Inform. Technology (IT)**
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative **CIELAB** *lab**
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
relative **Natural Colour (NC)**
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 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 89.51 −41.36 39.94
LAB*LABa 89.51 −41.36 39.94
LAB*TCHa 75.0 57.51 136.01
relative **CIELAB** *lab**
lab*lab 0.938 −0.359 0.347
lab*tch 0.75 0.5 0.378
lab*nch 0.0 0.5 0.378
relative **Natural Colour (NC)**
lab*lrj 0.938 −0.415 0.278
lab*tce 0.75 0.5 0.406
lab*ncE 0.0 0.5 j62g

0,75

relative **Inform. Technology (IT)**
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 0.75
cmyn4* 0.25 0.0 0.25 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 68.61 −20.68 19.98
LAB*LABa 68.61 −20.68 19.98
LAB*TCHa 62.5 28.76 136.01
relative **CIELAB** *lab**
lab*lab 0.719 −0.179 0.174
lab*tch 0.625 0.25 0.378
lab*nch 0.25 0.25 0.378
relative **Natural Colour (NC)**
lab*lrj 0.719 −0.207 0.139
lab*tce 0.625 0.25 0.406
lab*ncE 0.25 0.25 j62g

relative **Inform. Technology (IT)**
olvi3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olvi4* 0.25 1.0 0.25 1.0
cmyn4* 0.75 0.0 0.75 0.0
standard **and** *adapted* **CIELAB**
LAB*LAB 86.57 −62.05 59.92
LAB*LABa 86.57 −62.05 59.92
LAB*TCHa 62.5 86.27 136.01
relative **CIELAB** *lab**
lab*lab 0.907 −0.538 0.521
lab*tch 0.625 0.75 0.378
lab*nch 0.0 0.75 0.378
relative **Natural Colour (NC)**
lab*lrj 0.907 −0.623 0.417
lab*tce 0.625 0.75 0.406
lab*ncE 0.0 0.75 j62g

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 47.72 0.0 0.0
LAB*LABa 47.72 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* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 65.67 −41.37 39.95
LAB*LABa 65.67 −41.37 39.95
LAB*TCHa 50.0 57.52 136.01
relative **CIELAB** *lab**
lab*lab 0.688 −0.359 0.347
lab*tch 0.5 0.5 0.378
lab*nch 0.25 0.5 0.378
relative **Natural Colour (NC)**
lab*lrj 0.688 −0.415 0.278
lab*tce 0.5 0.5 0.406
lab*ncE 0.25 0.5 j62g

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 83.62 −82.73 79.88
LAB*LABa 83.62 −82.73 79.88
LAB*TCHa 50.0 115.01 136.01
relative **CIELAB** *lab**
lab*lab 0.876 −0.718 0.694
lab*tch 0.5 1.0 0.378
lab*nch 0.0 1.0 0.378
relative **Natural Colour (NC)**
lab*lrj 0.876 −0.83 0.555
lab*tce 0.5 1.0 0.406
lab*ncE 0.0 1.0 j62g

relative **Inform. Technology (IT)**
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 0.75 1.0 0.75 0.5
cmyn4* 0.25 0.0 0.25 0.5
standard **and** *adapted* **CIELAB**
LAB*LAB 44.76 −20.68 19.98
LAB*LABa 44.76 −20.68 19.98
LAB*TCHa 37.5 28.76 136.01
relative **CIELAB** *lab**
lab*lab 0.469 −0.179 0.174
lab*tch 0.375 0.25 0.378
lab*nch 0.5 0.25 0.378
relative **Natural Colour (NC)**
lab*lrj 0.469 −0.207 0.139
lab*tce 0.375 0.25 0.406
lab*ncE 0.5 0.25 j62g

relative **Inform. Technology (IT)**
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olvi4* 0.25 1.0 0.25 0.75
cmyn4* 0.75 0.0 0.75 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 62.73 −62.05 59.92
LAB*LABa 62.73 −62.05 59.92
LAB*TCHa 37.51 86.27 136.01
relative **CIELAB** *lab**
lab*lab 0.657 −0.538 0.521
lab*tch 0.375 0.75 0.378
lab*nch 0.25 0.75 0.378
relative **Natural Colour (NC)**
lab*lrj 0.657 −0.623 0.417
lab*tce 0.375 0.75 0.406
lab*ncE 0.25 0.75 j62g

*n** = 0,00

relative **Inform. Technology (IT)**
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard **and** *adapted* **CIELAB**
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative **CIELAB** *lab**
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
relative **Natural Colour (NC)**
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 0.0 –

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 41.82 −41.36 39.94
LAB*LABa 41.82 −41.36 39.94
LAB*TCHa 25.01 57.51 136.01
relative **CIELAB** *lab**
lab*lab 0.438 −0.359 0.347
lab*tch 0.25 0.5 0.378
lab*nch 0.5 0.5 0.378
relative **Natural Colour (NC)**
lab*lrj 0.438 −0.415 0.278
lab*tce 0.25 0.5 0.406
lab*ncE 0.5 0.5 j62g

0,25

*n** = 0,25

Schwarzheit *n**

relative **Inform. Technology (IT)**
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.75 1.0 0.75 0.25
cmyn4* 0.25 0.0 0.25 0.75
standard **and** *adapted* **CIELAB**
LAB*LAB 20.92 −20.67 19.97
LAB*LABa 20.92 −20.67 19.97
LAB*TCHa 12.5 28.75 136.01
relative **CIELAB** *lab**
lab*lab 0.219 −0.179 0.174
lab*tch 0.125 0.25 0.378
lab*nch 0.75 0.25 0.378
relative **Natural Colour (NC)**
lab*lrj 0.219 −0.207 0.139
lab*tce 0.125 0.25 0.406
lab*ncE 0.75 0.25 j62g

*n** = 0,50

0,00

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 0.03 0.0 0.0
LAB*LABa 0.03 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 –

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

relative Buntheit *c**

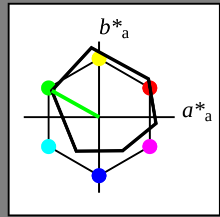
*n** = 1,0

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h* = lab*h = 151/360 = 0.419*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 51 72 151
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 93

ORS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

g*H,rel = 57

g*C,rel = 59

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 −0.98 4.75
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* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 1.0
cmyn4* 0.25 0.0 0.25 0.0
standard **and** *adapted* **CIELAB**
LAB*LAB 84.28 −16.47 12.74
LAB*LABa 84.28 −15.69 8.74
LAB*TCHa 87.5 17.97 150.91
relative **CIELAB** *lab**
lab*lab 0.856 −0.217 0.121
lab*tch 0.875 0.25 0.419
lab*nch 0.0 0.25 0.419
relative **Natural Colour (NC)**
lab*lrj 0.856 −0.238 0.072
lab*tce 0.875 0.25 0.453
lab*ncE 0.0 0.25 j81g

relative **Inform. Technology (IT)**
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 76.06 −0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative **CIELAB** *lab**
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
relative **Natural Colour (NC)**
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 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 73.15 −31.96 20.73
LAB*LABa 73.15 −31.4 17.48
LAB*TCHa 75.0 35.95 150.91
relative **CIELAB** *lab**
lab*lab 0.712 −0.436 0.243
lab*tch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative **Natural Colour (NC)**
lab*lrj 0.712 −0.478 0.144
lab*tce 0.75 0.5 0.453
lab*ncE 0.0 0.5 j81g

relative **Inform. Technology (IT)**
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 0.75
cmyn4* 0.25 0.0 0.25 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 64.93 −16.1 11.44
LAB*LABa 64.93 −15.7 8.74
LAB*TCHa 62.5 17.98 150.91
relative **CIELAB** *lab**
lab*lab 0.606 −0.217 0.122
lab*tch 0.625 0.25 0.419
lab*nch 0.25 0.25 0.419
relative **Natural Colour (NC)**
lab*lrj 0.606 −0.238 0.072
lab*tce 0.625 0.25 0.453
lab*ncE 0.25 0.25 j81g

relative **Inform. Technology (IT)**
olvi3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olvi4* 0.25 1.0 0.25 1.0
cmyn4* 0.75 0.0 0.75 0.0
standard **and** *adapted* **CIELAB**
LAB*LAB 62.02 −47.46 28.72
LAB*LABa 62.02 −47.11 26.21
LAB*TCHa 62.5 53.92 150.91
relative **CIELAB** *lab**
lab*lab 0.569 −0.654 0.365
lab*tch 0.625 0.75 0.419
lab*nch 0.0 0.75 0.419
relative **Natural Colour (NC)**
lab*lrj 0.569 −0.717 0.217
lab*tce 0.625 0.75 0.453
lab*ncE 0.0 0.75 j81g

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 56.71 −0.24 2.14
LAB*LABa 56.71 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* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 53.81 −31.6 19.43
LAB*LABa 53.81 −31.41 17.48
LAB*TCHa 50.0 35.95 150.91
relative **CIELAB** *lab**
lab*lab 0.462 −0.436 0.243
lab*tch 0.5 0.5 0.419
lab*nch 0.25 0.5 0.419
relative **Natural Colour (NC)**
lab*lrj 0.462 −0.478 0.144
lab*tce 0.5 0.5 0.453
lab*ncE 0.25 0.5 j81g

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 50.9 −62.95 36.7
LAB*LABa 50.9 −62.81 34.95
LAB*TCHa 50.0 71.89 150.91
relative **CIELAB** *lab**
lab*lab 0.425 −0.873 0.486
lab*tch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative **Natural Colour (NC)**
lab*lrj 0.425 −0.956 0.289
lab*tce 0.5 1.0 0.453
lab*ncE 0.0 1.0 j81g

relative **Inform. Technology (IT)**
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 0.75 1.0 0.75 0.5
cmyn4* 0.25 0.0 0.25 0.5
standard **and** *adapted* **CIELAB**
LAB*LAB 45.58 −15.73 10.13
LAB*LABa 45.58 −15.7 8.74
LAB*TCHa 37.5 17.98 150.91
relative **CIELAB** *lab**
lab*lab 0.356 −0.217 0.122
lab*tch 0.375 0.25 0.419
lab*nch 0.5 0.25 0.419
relative **Natural Colour (NC)**
lab*lrj 0.356 −0.238 0.072
lab*tce 0.375 0.25 0.453
lab*ncE 0.5 0.25 j81g

relative **Inform. Technology (IT)**
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olvi4* 0.25 1.0 0.25 0.75
cmyn4* 0.75 0.0 0.75 0.25
standard **and** *adapted* **CIELAB**
LAB*LAB 42.68 −47.09 27.41
LAB*LABa 42.68 −47.11 26.21
LAB*TCHa 37.51 53.92 150.91
relative **CIELAB** *lab**
lab*lab 0.319 −0.654 0.365
lab*tch 0.375 0.75 0.419
lab*nch 0.25 0.75 0.419
relative **Natural Colour (NC)**
lab*lrj 0.319 −0.717 0.217
lab*tce 0.375 0.75 0.453
lab*ncE 0.25 0.75 j81g

*n** = 0,00

relative **Inform. Technology (IT)**
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard **and** *adapted* **CIELAB**
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative **CIELAB** *lab**
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
relative **Natural Colour (NC)**
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 0.0 –

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 34.46 −31.22 18.12
LAB*LABa 34.46 −31.4 17.48
LAB*TCHa 25.01 35.95 150.91
relative **CIELAB** *lab**
lab*lab 0.213 −0.436 0.243
lab*tch 0.25 0.5 0.419
lab*nch 0.5 0.5 0.419
relative **Natural Colour (NC)**
lab*lrj 0.213 −0.478 0.144
lab*tce 0.25 0.5 0.453
lab*ncE 0.5 0.5 j81g

*n** = 0,25

Schwarzheit *n**

relative **Inform. Technology (IT)**
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.75 1.0 0.75 0.25
cmyn4* 0.25 0.0 0.25 0.75
standard **and** *adapted* **CIELAB**
LAB*LAB 26.24 −15.35 8.82
LAB*LABa 26.24 −15.69 8.74
LAB*TCHa 12.5 17.97 150.91
relative **CIELAB** *lab**
lab*lab 0.106 −0.217 0.121
lab*tch 0.125 0.25 0.419
lab*nch 0.75 0.25 0.419
relative **Natural Colour (NC)**
lab*lrj 0.106 −0.238 0.072
lab*tce 0.125 0.25 0.453
lab*ncE 0.75 0.25 j81g

*n** = 0,50

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 18.02 0.5 −0.47
LAB*LABa 18.02 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 –

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

relative Buntheit *c**

*n** = 1,0

NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links) 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

BAM-Registrierung: 20060101-NG55/10Q/Q55G02NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

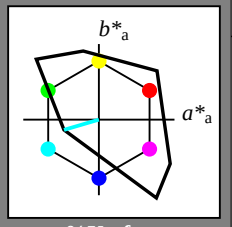
BAM-Registrierung: 20060101-NG55/10Q/Q55G03NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG55/ Form: 4/10, Serie: 1/1, Seite: 4 Seitenz hlung 4

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h* = lab*h = 196/360 = 0.545*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 48 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 158

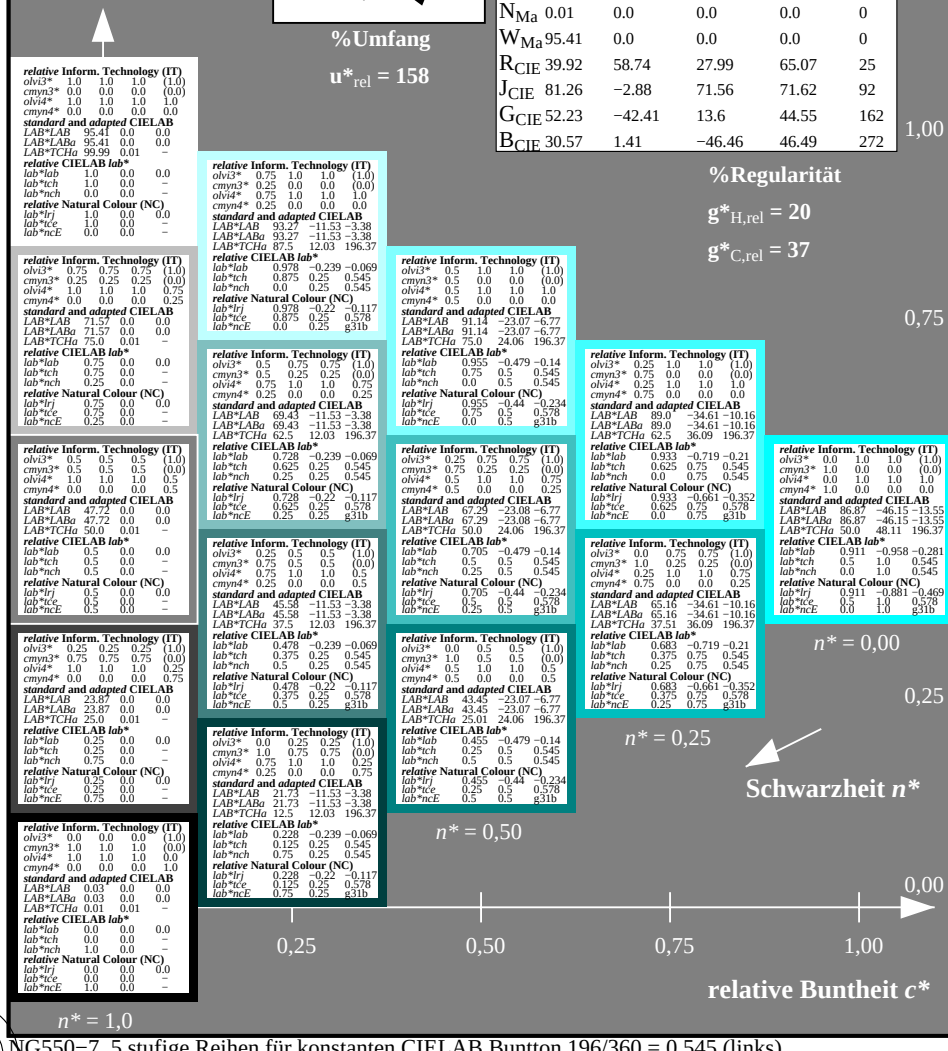
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 20

$g^*_{C,rel}$ = 37



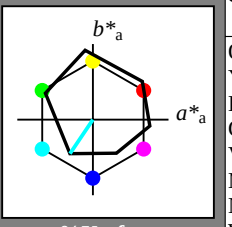
NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h* = lab*h = 236/360 = 0.656*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 59 54 236
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 93

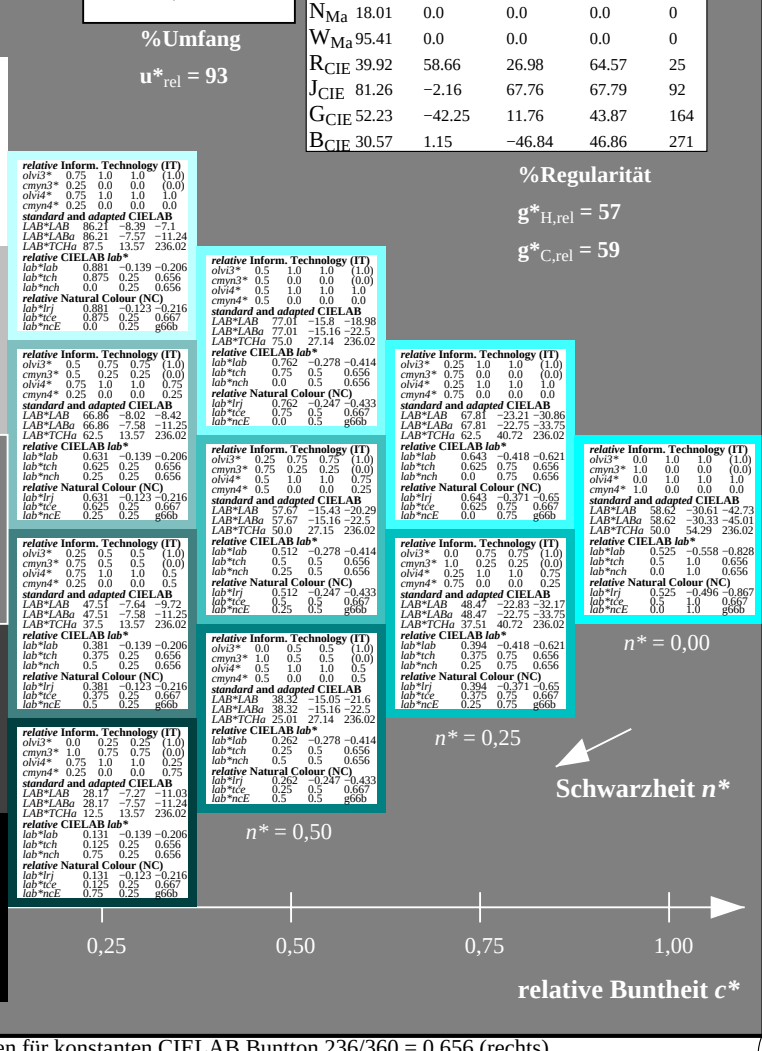
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59

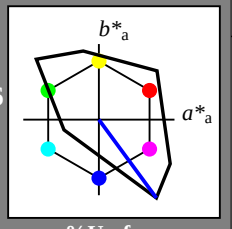


5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h* = lab*h = 306/360 = 0.851*
*lab*tch* und *lab*nch*

D65: Buntton V
LCH*Ma: 30 129 306
olv*Ma: 0.0 0.0 1.0



Dreiecks-Helligkeit *t**

%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

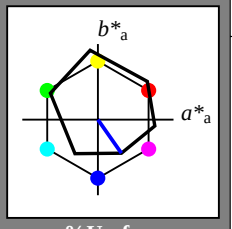
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h* = lab*h = 305/360 = 0.847*
*lab*tch* und *lab*nch*

D65: Buntton V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 1.0



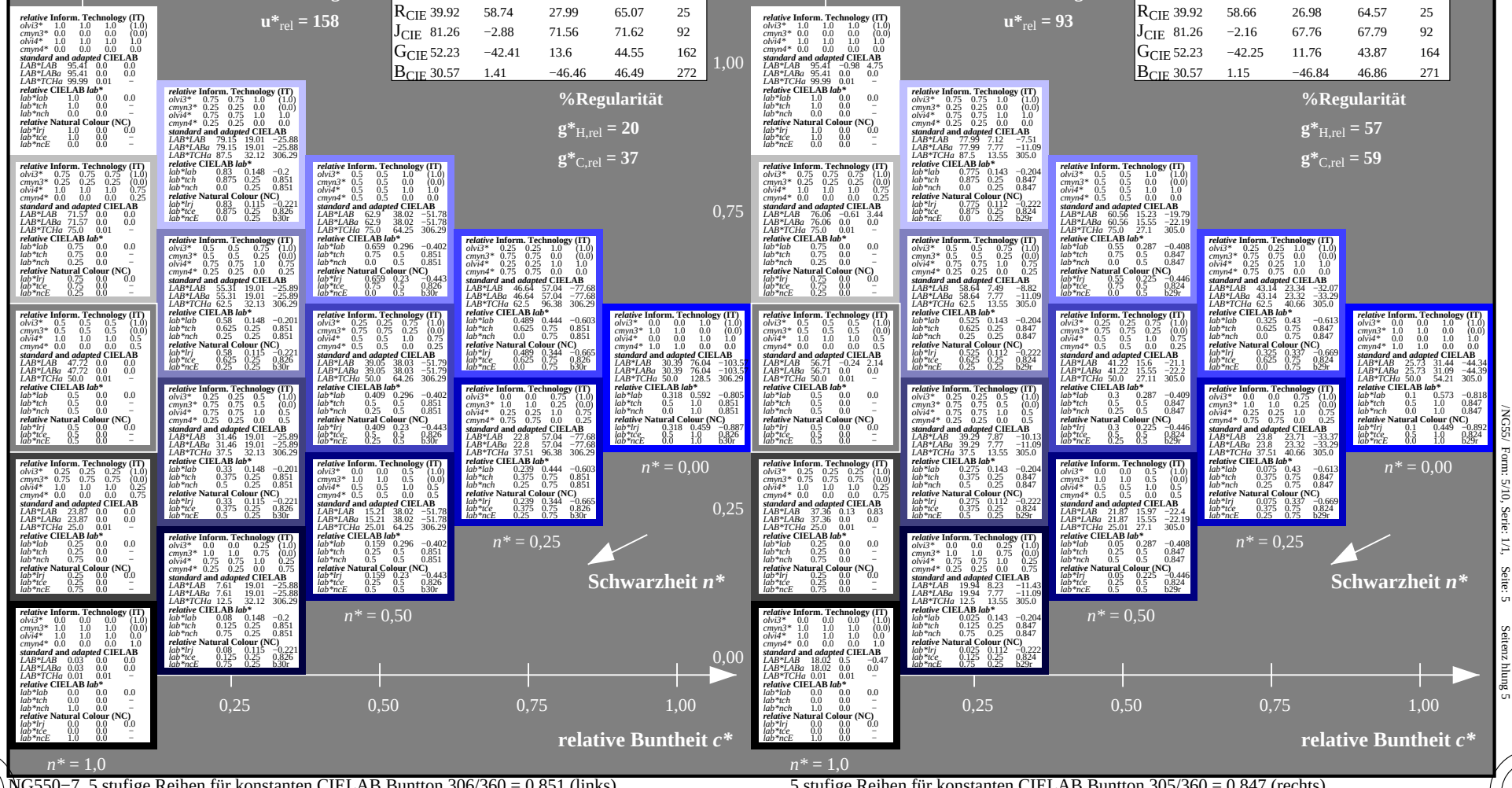
Dreiecks-Helligkeit *t**

%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)
5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

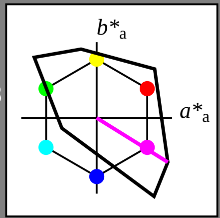
Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG55/10Q/Q55G04NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG55/ Form: 5/10, Serie: 1/1, Seite: 5 Sattenz hlung 5

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00
für Buntton $h^* = lab^*h = 328/360 = 0.912$
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 111 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

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

Schwarzheit n^*

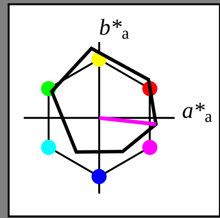
0,25 0,50 0,75 1,00

relative Buntheit c^*

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18
für Buntton $h^* = lab^*h = 354/360 = 0.982$
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 48 76 354
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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

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

Schwarzheit n^*

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

relative Buntheit c^*

NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)
5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG55/10Q/Q55G05NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

/NG55/ Form: 6/10, Serie: 1/1, Seite: 6

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 25/360 = 0.071$

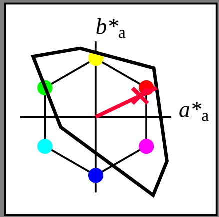
lab*tch und lab*nch

D65: Buntton R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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

$n^* = 0{,}00$ $n^* = 0{,}25$ $n^* = 0{,}50$ $n^* = 1{,}0$

Schwarzheit n^*

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

relative Buntheit c^*

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

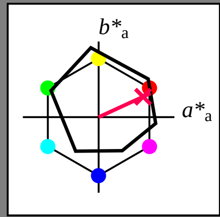
lab*tch und lab*nch

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0{,}00$ $n^* = 0{,}25$ $n^* = 0{,}50$ $n^* = 1{,}0$

Schwarzheit n^*

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

relative Buntheit c^*

NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG55/10Q/Q55G06NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 92/360 = 0.256$

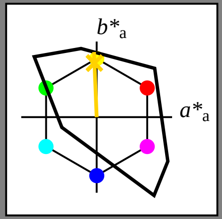
lab*tch* und *lab*nch

D65: Buntton J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



%Umfang

u^*_{rel} = 158

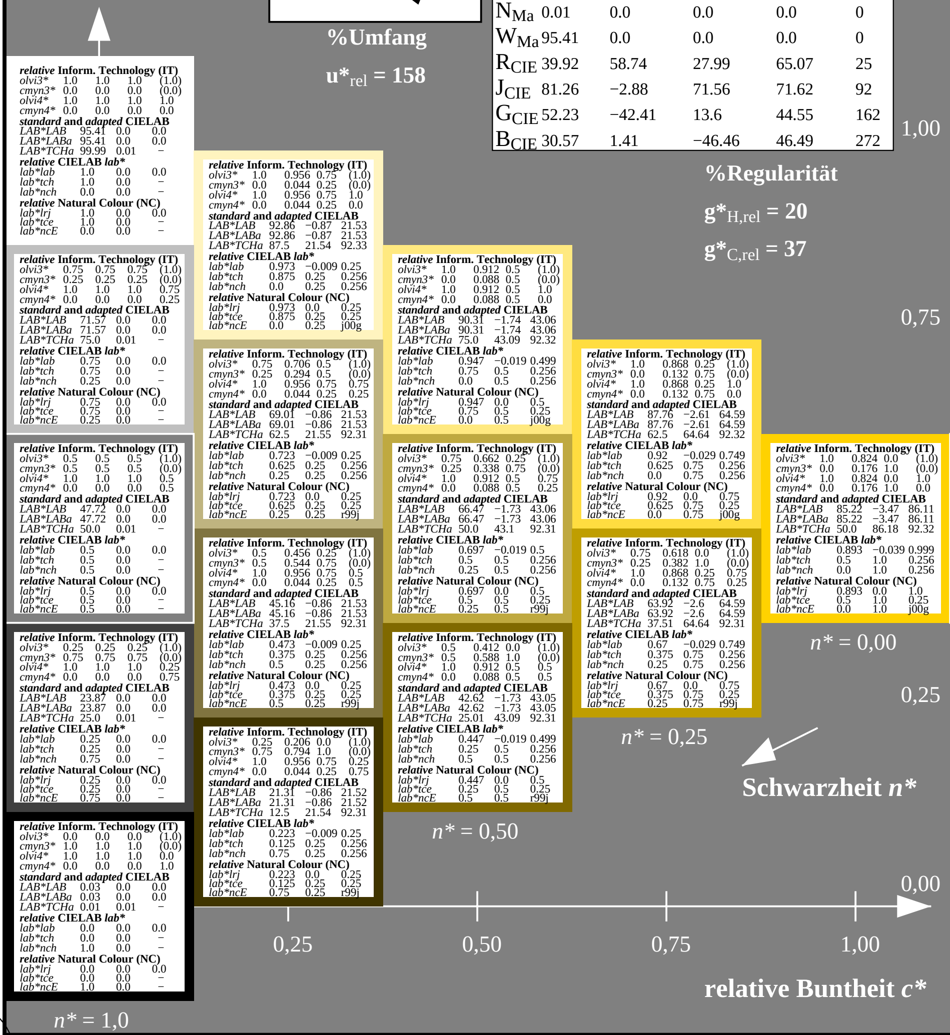
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 20

$g^*_{C,rel}$ = 37



Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$

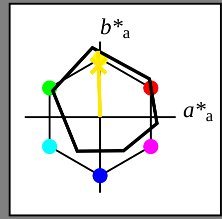
lab*tch* und *lab*nch

D65: Buntton J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



%Umfang

u^*_{rel} = 93

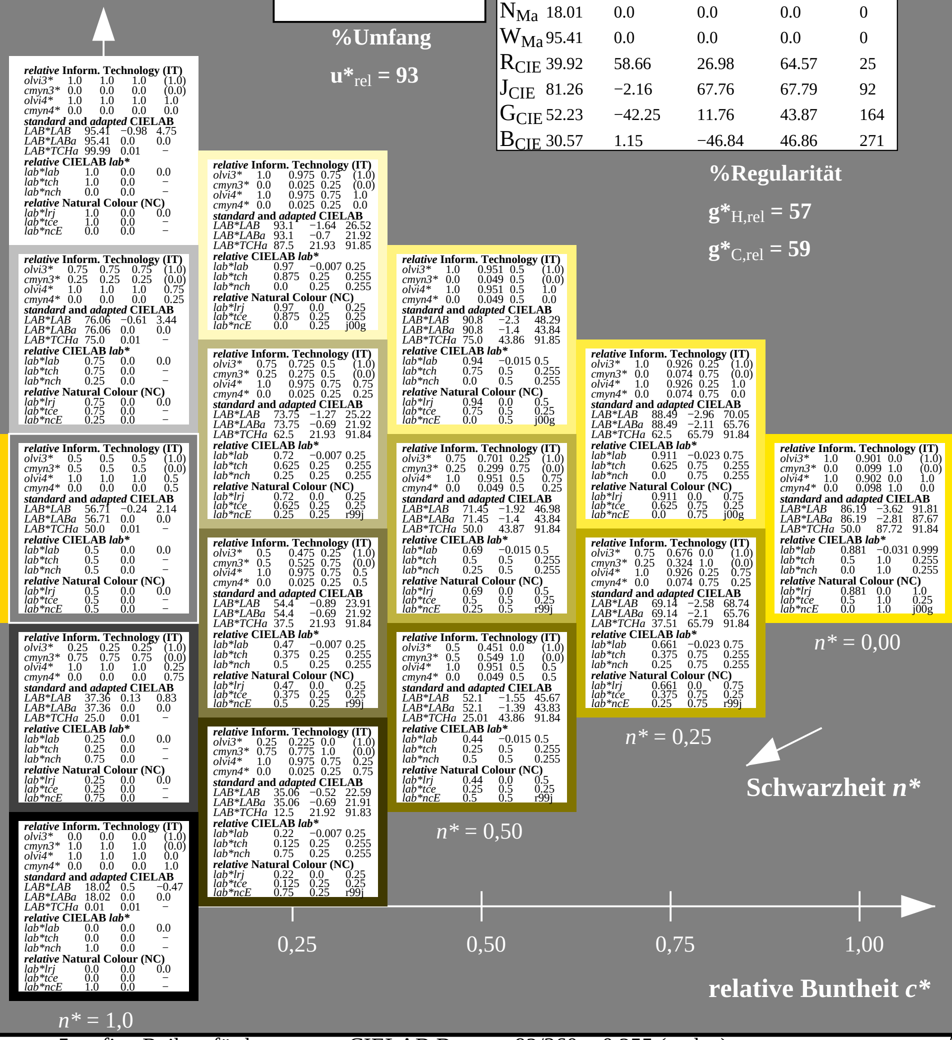
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59



NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG55/10Q/Q55G07NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

/NG55/ Form: 8/10, Serie: 1/1, Seite: 8

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

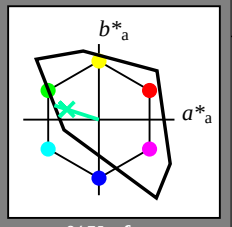
BAM-Registrierung: 20060101-NG55/10Q/Q55G08NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG55/ Form: 9/10, Serie: 1/1, Seite: 9 Seitenz hlung 9

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

D65: Buntton G
LCH*Ma: 86 62 162
olv*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 158

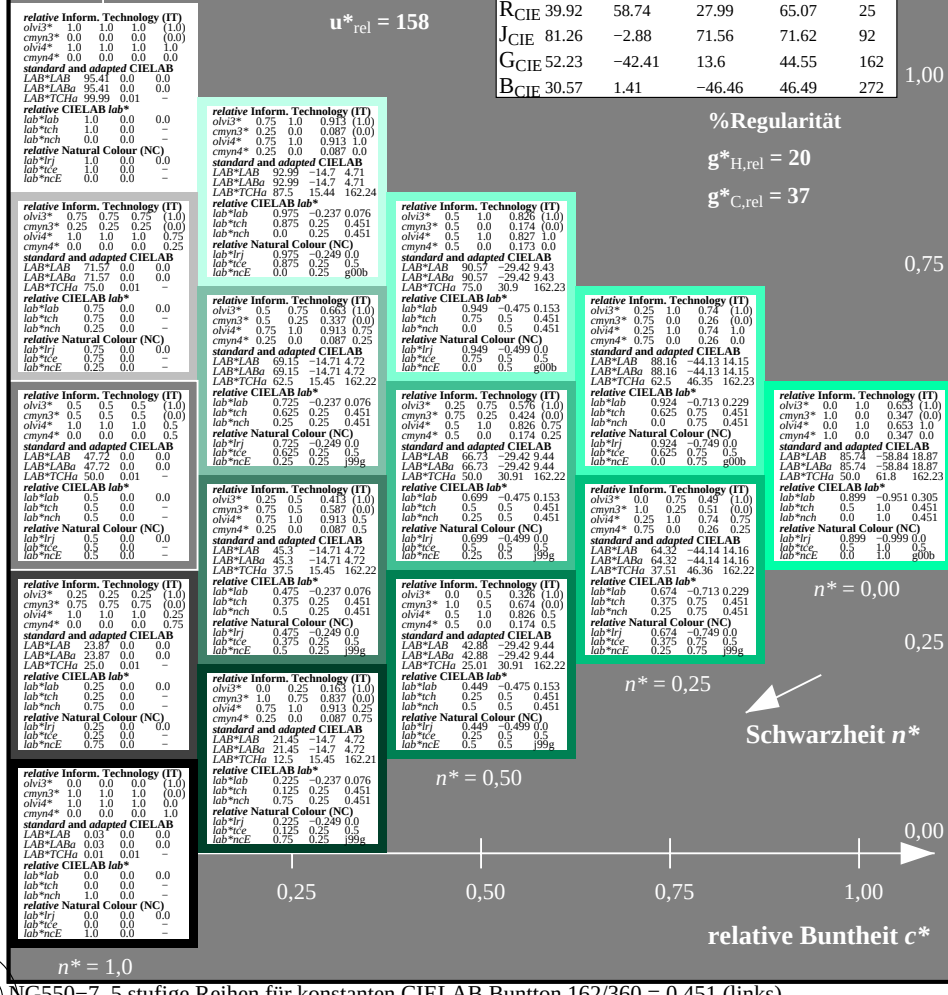
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 20

$g^*_{C,rel}$ = 37



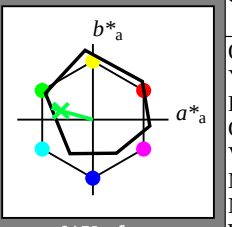
NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h* = lab*h = 164/360 = 0.457*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 53 57 164
olv*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 93

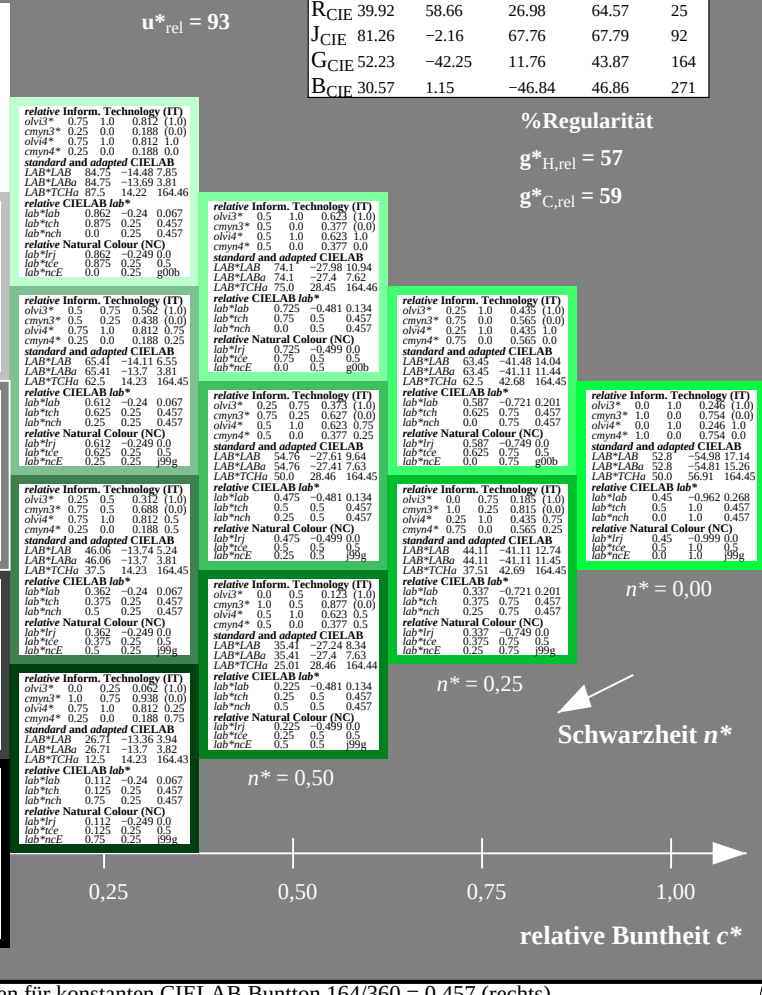
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59



5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG55/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

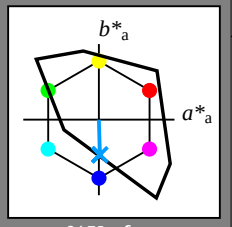
BAM-Registrierung: 20060101-NG55/10Q/Q55G09NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG55/ Form: 10/10Serie: 1/1, Seite: 10 Sattenz hlung 10

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

D65: Buntton B
LCH*Ma: 65 49 272
olv*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 158

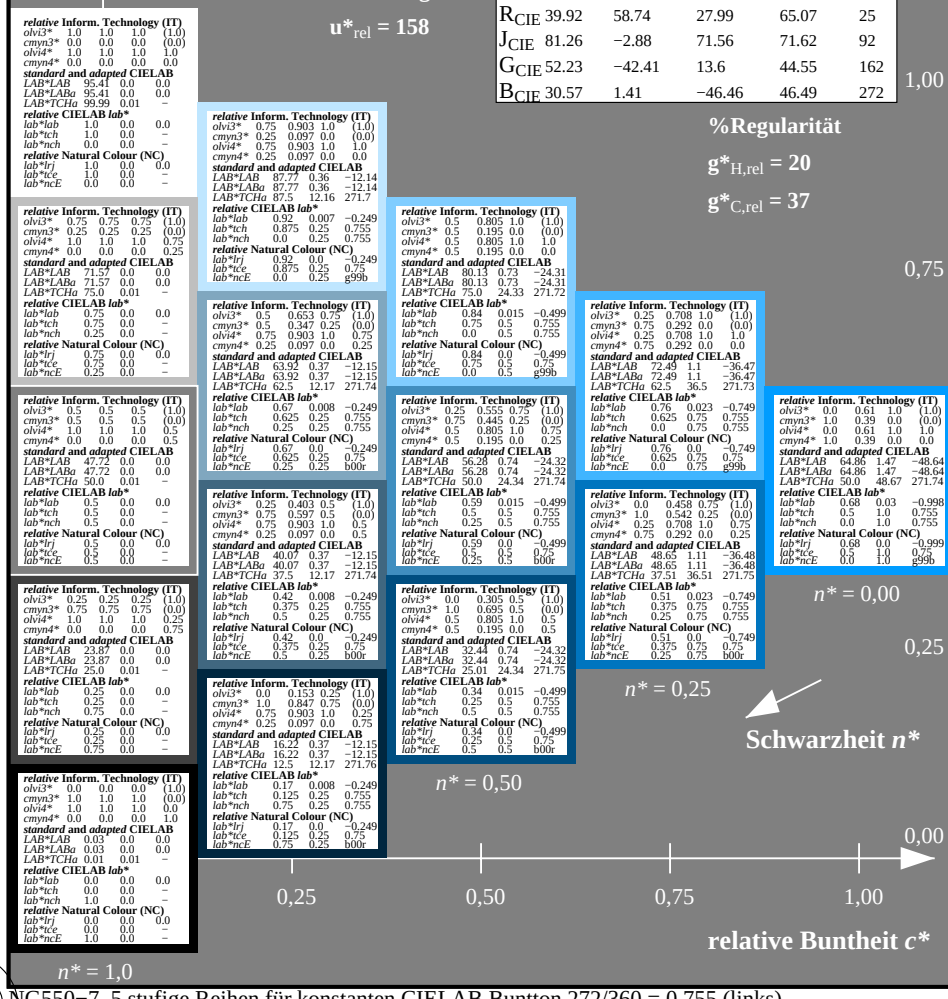
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 20

$g^*_{C,rel}$ = 37

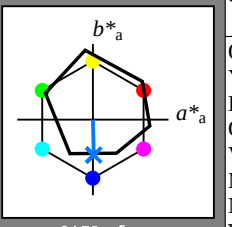


Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h* = lab*h = 271/360 = 0.754*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 42 45 271
olv*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit *t**



%Umfang

u^*_{rel} = 93

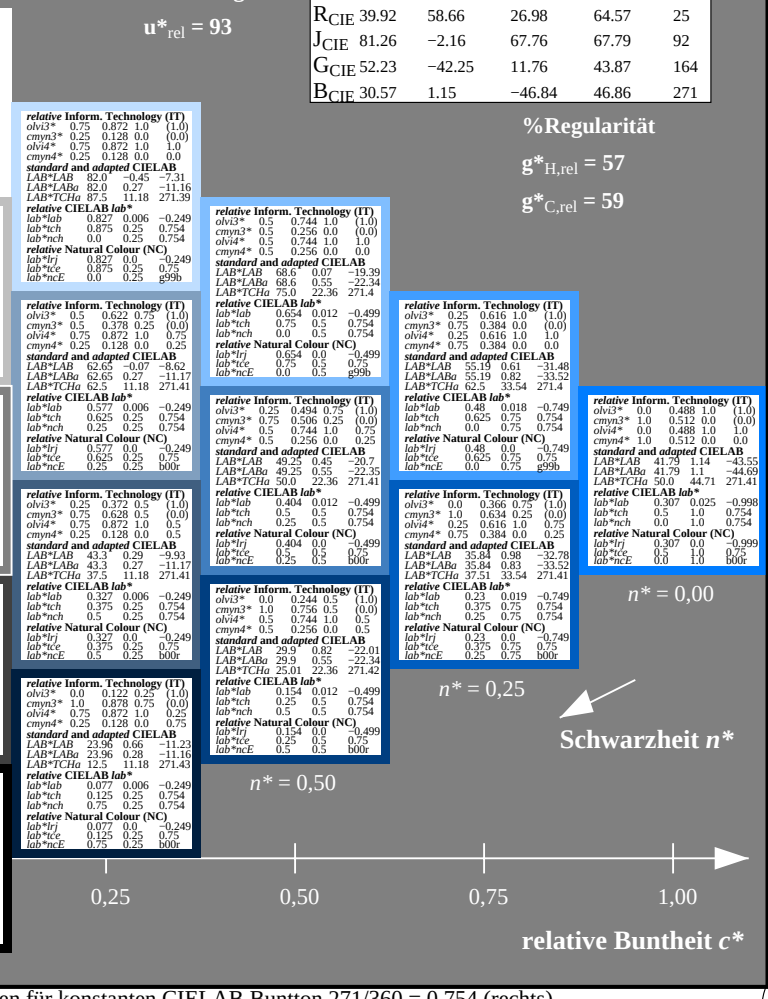
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularität

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59



NG550−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*