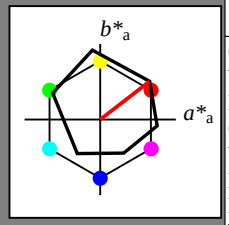
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

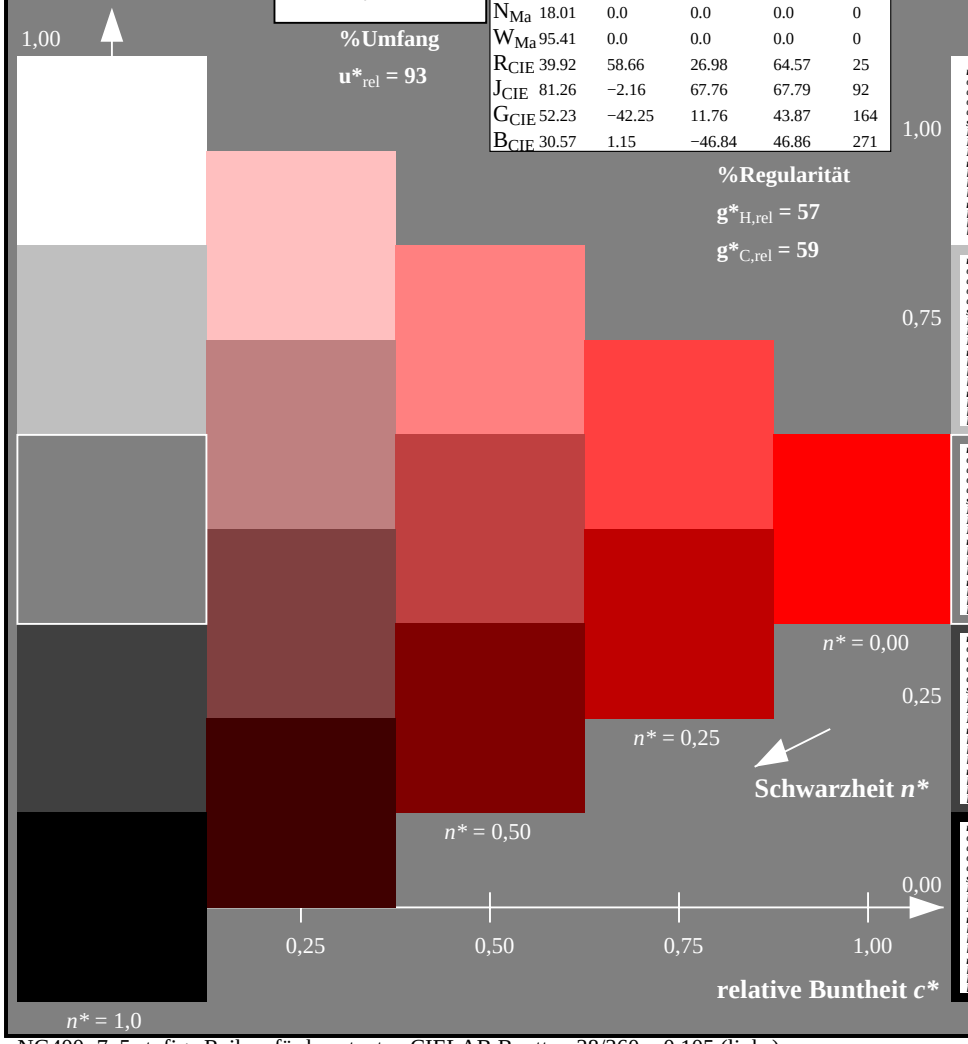


%Umfang
u^*_{rel} = 93

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

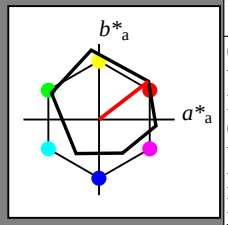


Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

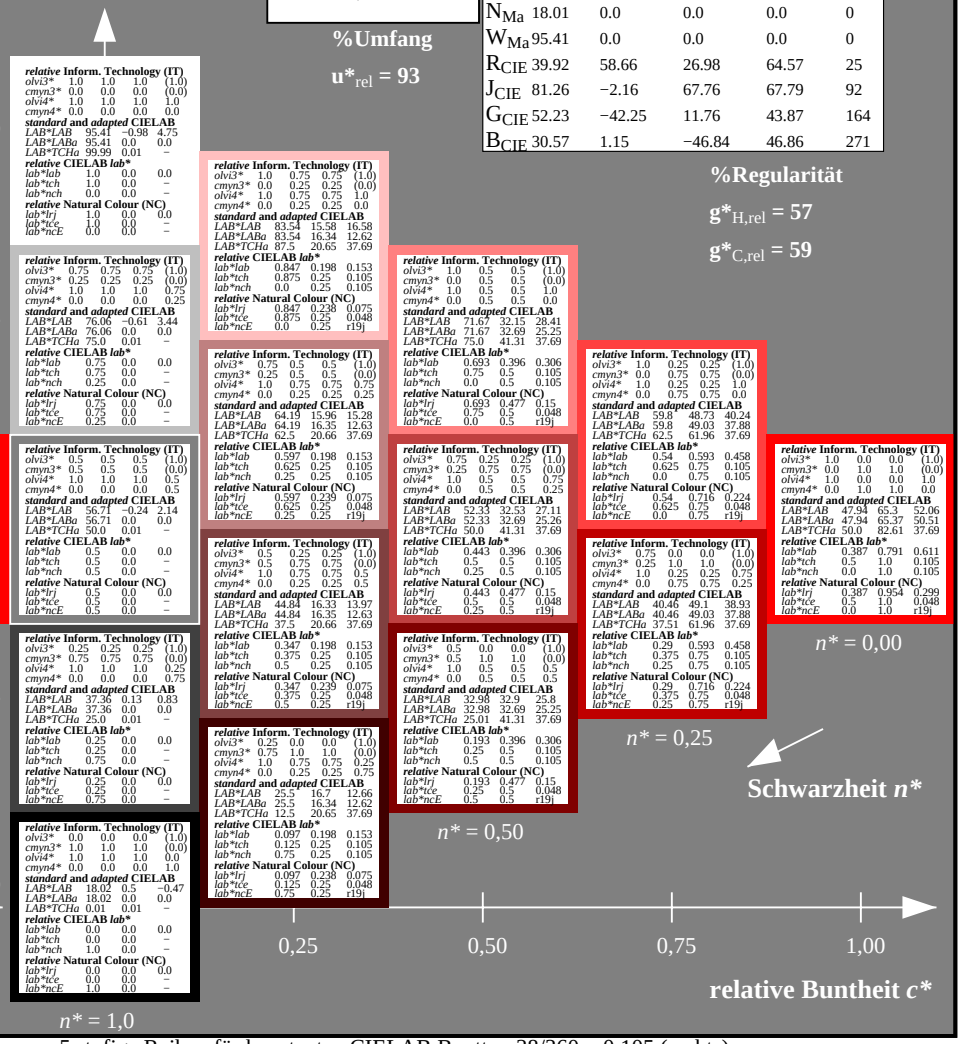


%Umfang
u^*_{rel} = 93

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



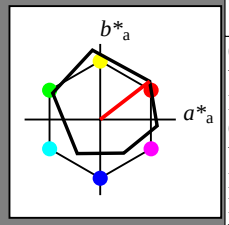
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

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

Eingabe: 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



%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

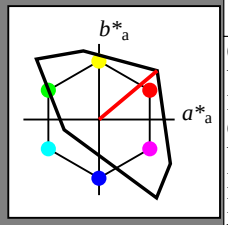
g*$_{H,rel}$ = 57

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

Ausgabe: 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



%Umfang

u*$_{rel}$ = 158

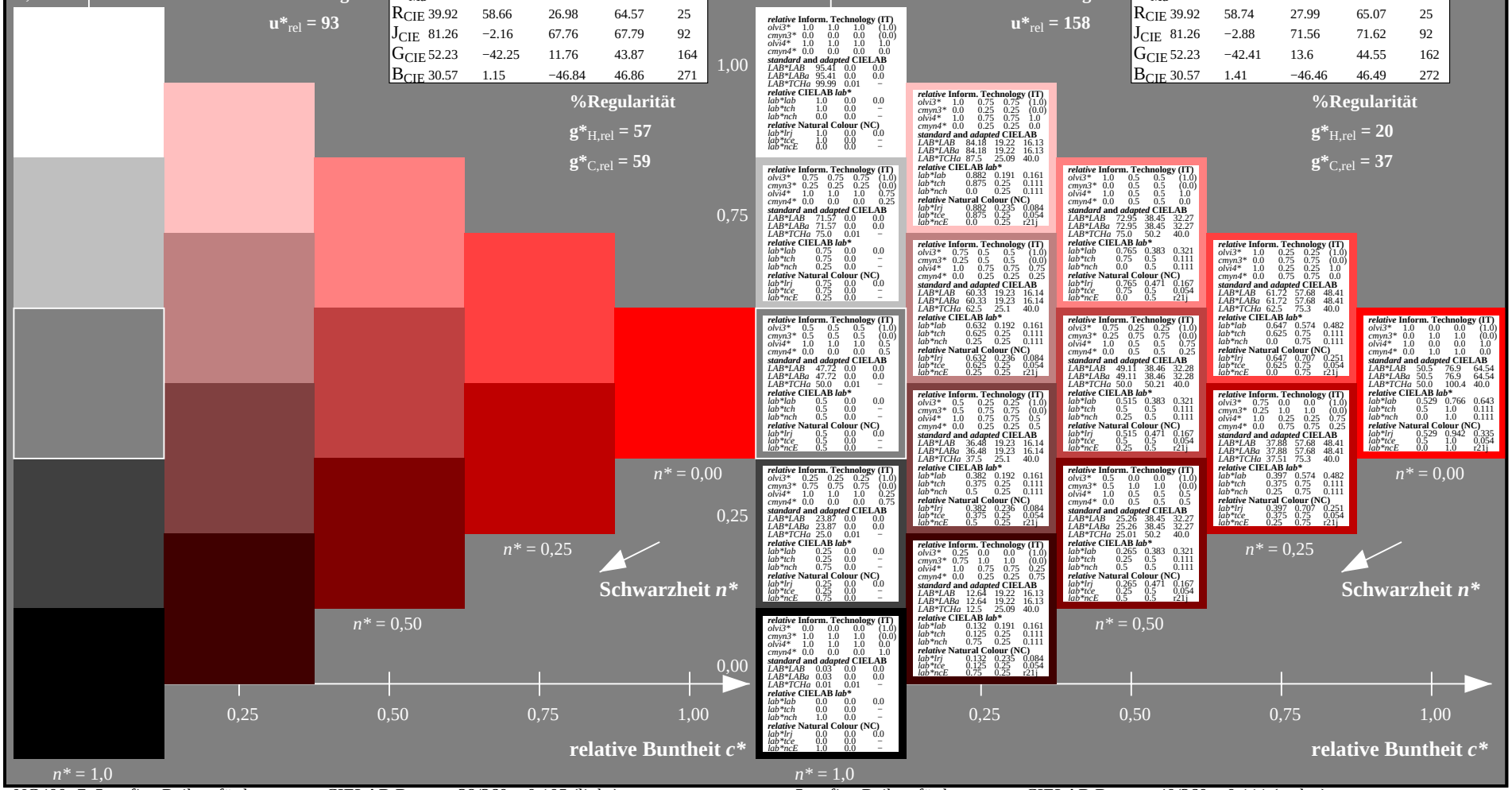
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



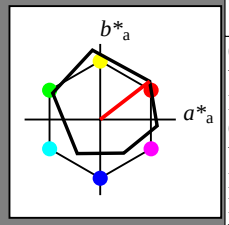
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

Eingabe: 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



%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

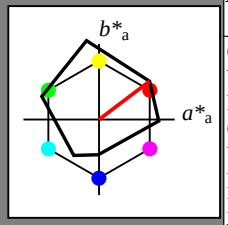
g*$_{H,rel}$ = 57

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

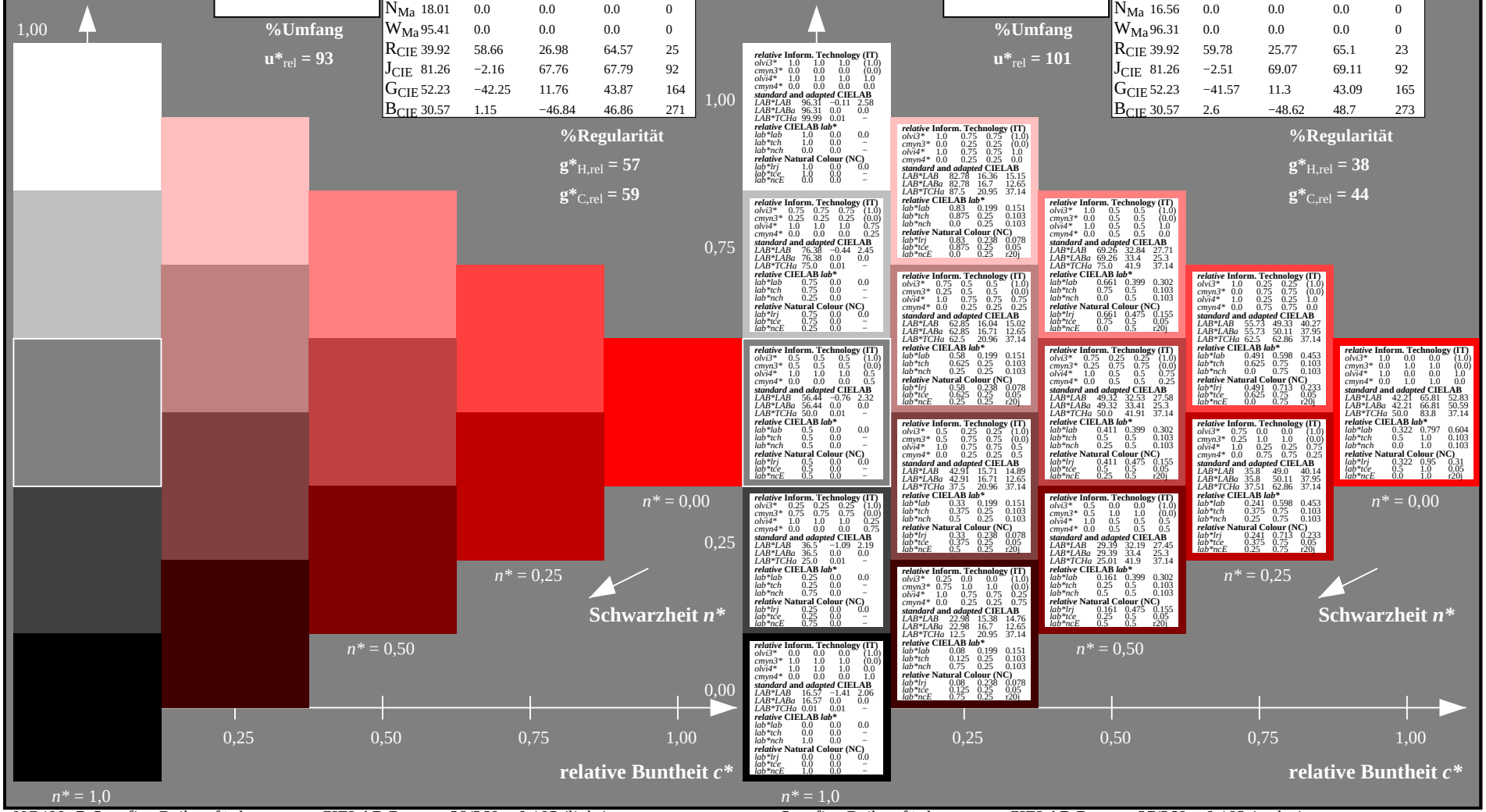
DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44



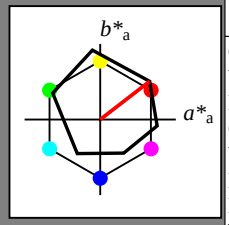
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

Eingabe: 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



%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

1,00

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

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

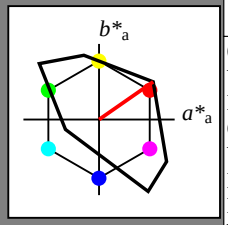
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

1,00

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

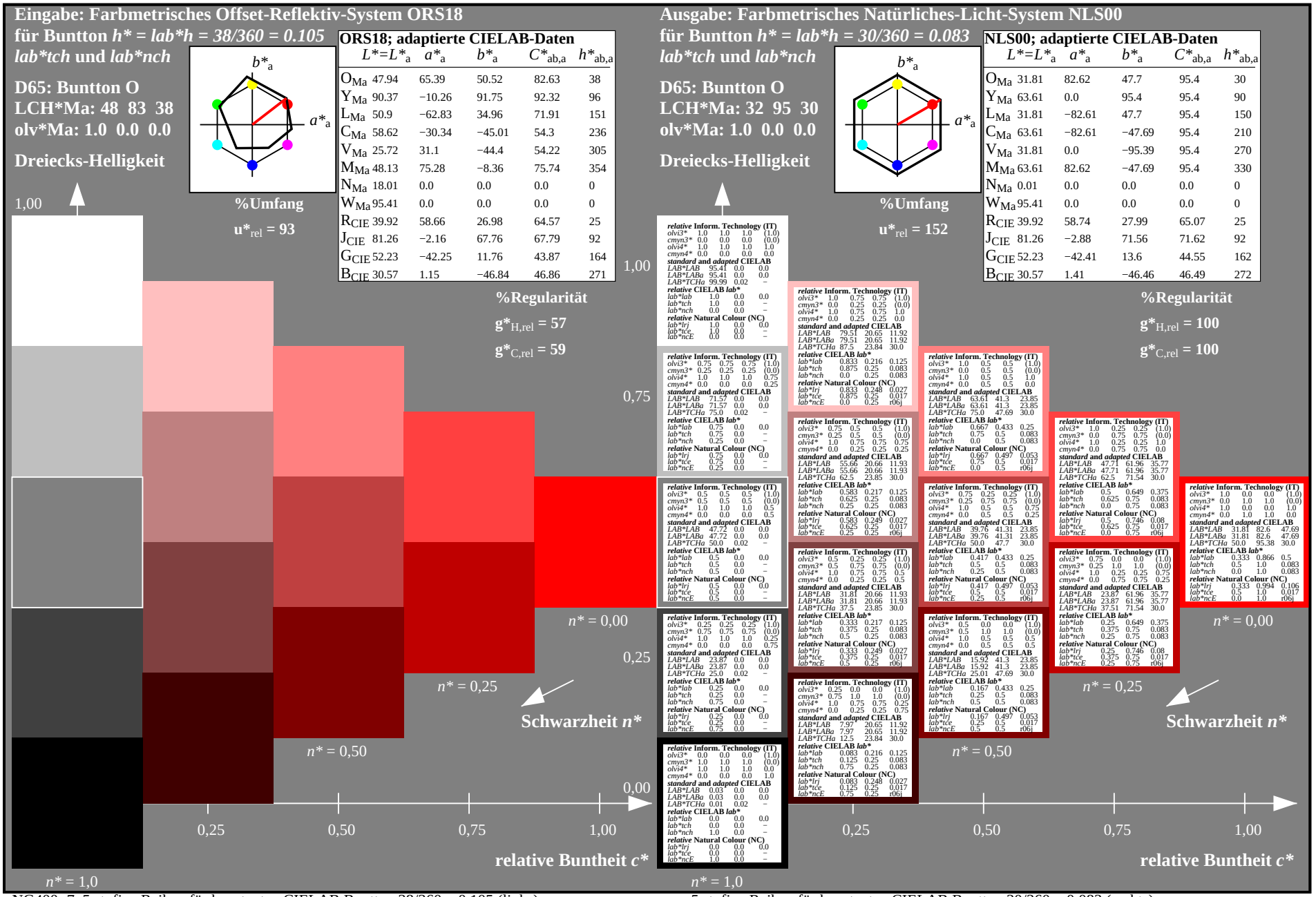
0,25 0,50 0,75 1,00

Schwarzheit *n**

relative Buntheit *c**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)



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

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

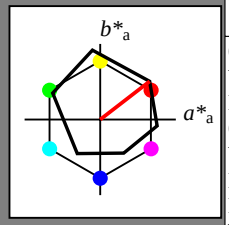
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: 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



%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

1,00

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

Schwarzheit *n**

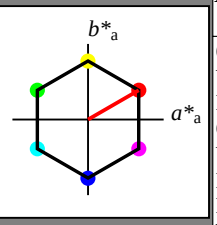
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

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**

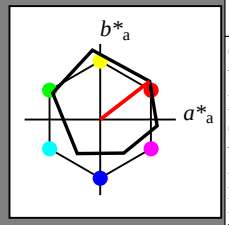
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: 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



%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

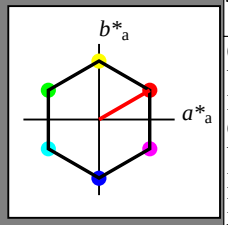
g*$_{C,rel}$ = 59

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

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**

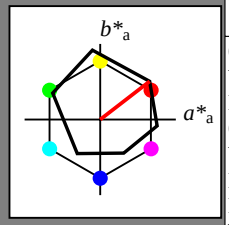
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: 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



%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

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

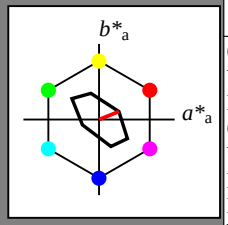
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

Schwarzheit *n**

relative Buntheit *c**

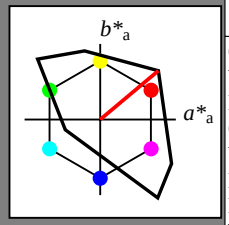
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

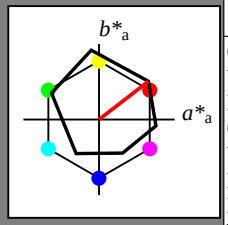
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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

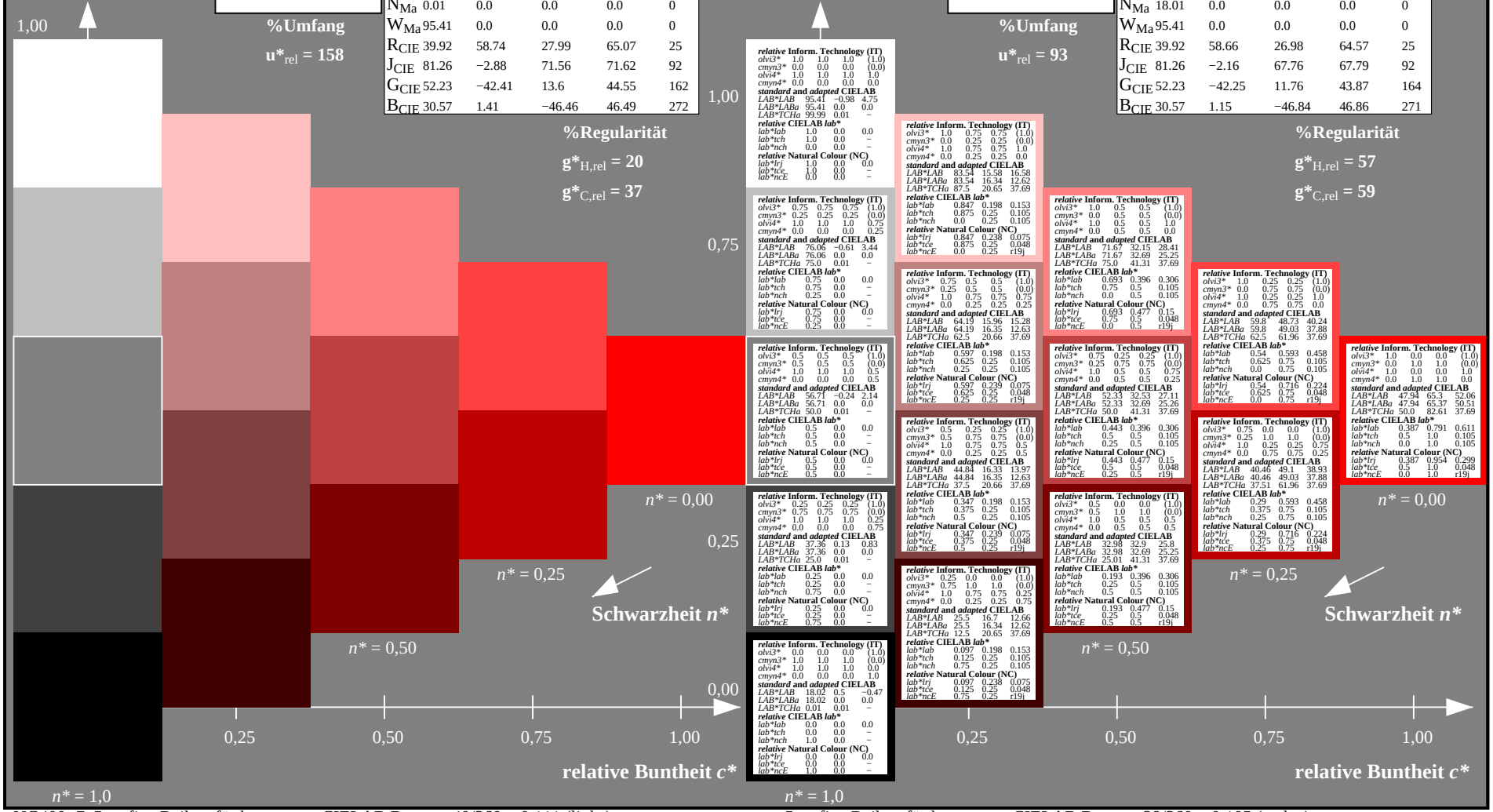


%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	10.52	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



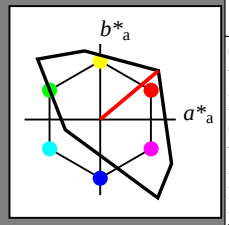
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

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

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



%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*

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

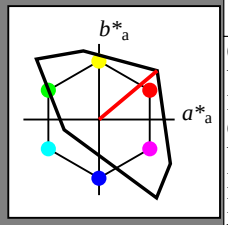
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: 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



%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*

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

Schwarzheit *n**

relative Buntheit *c**

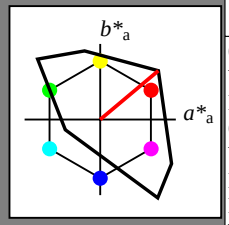
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

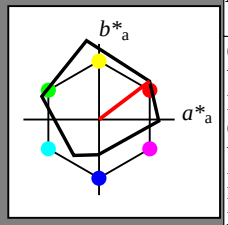
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

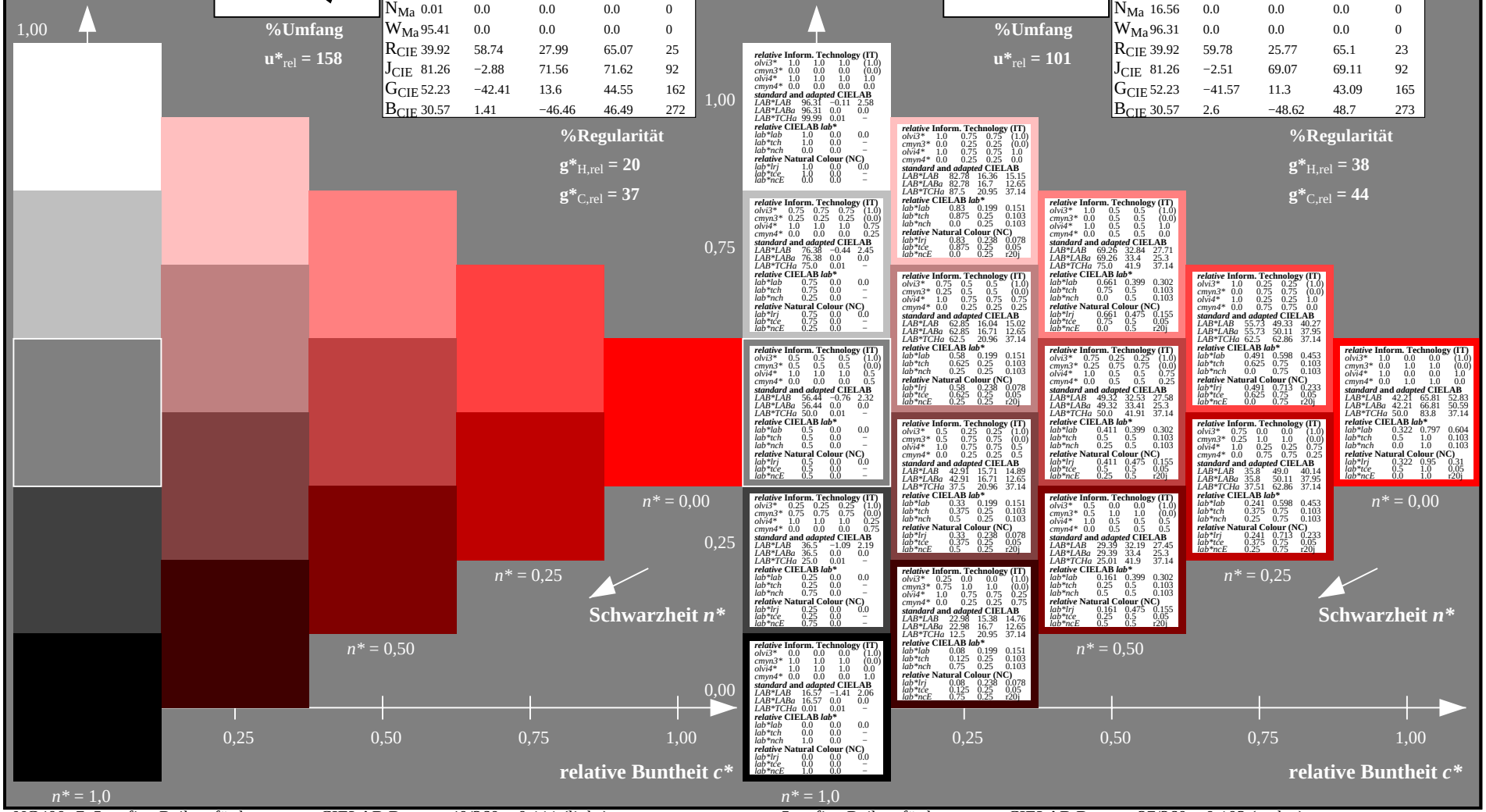


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



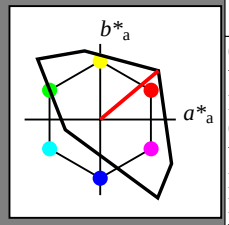
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

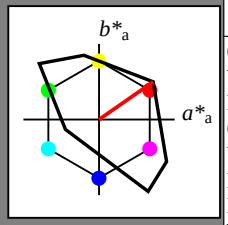
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

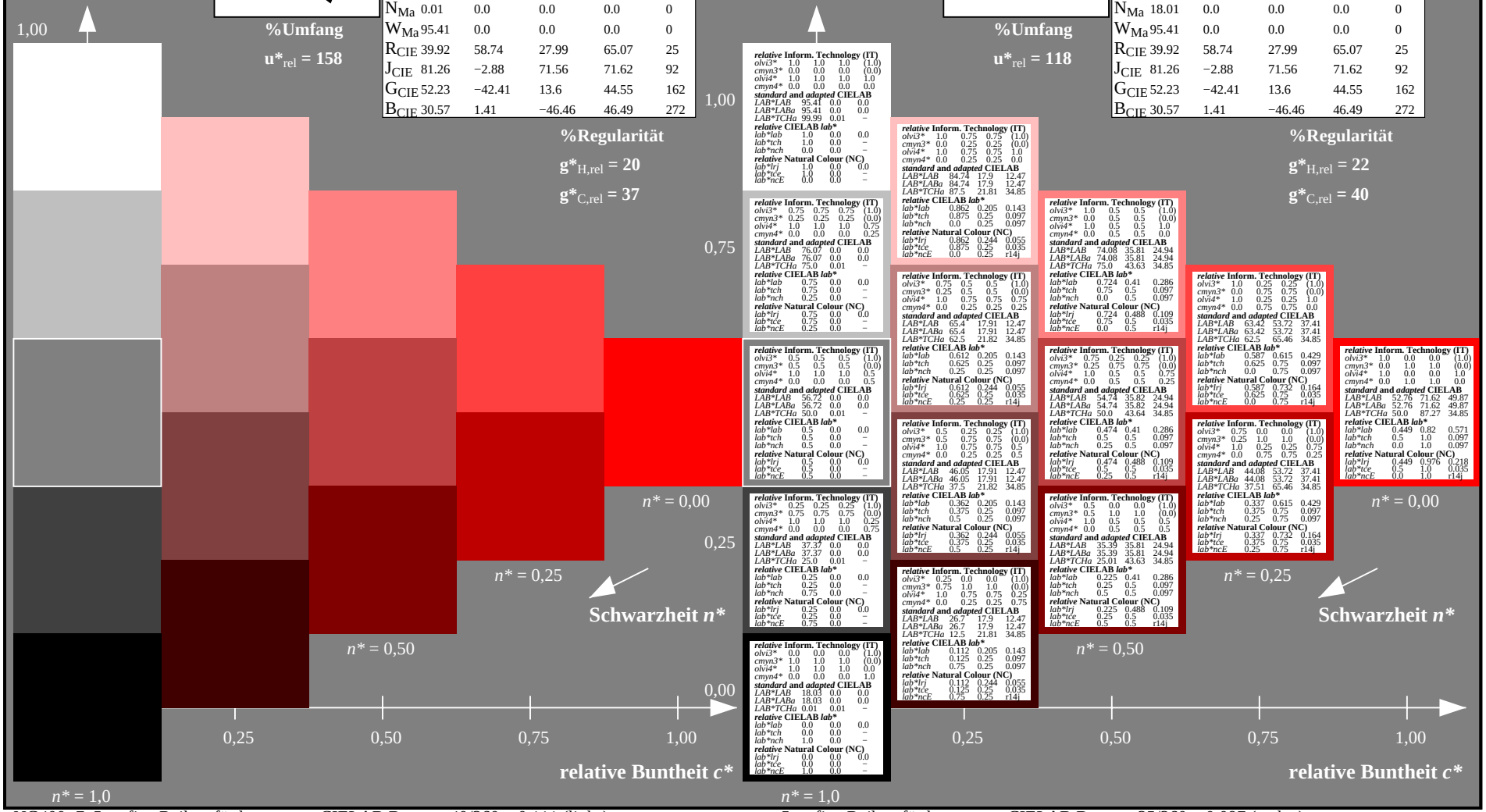


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



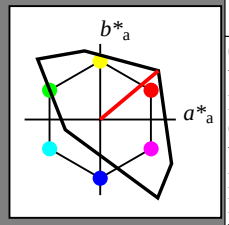
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

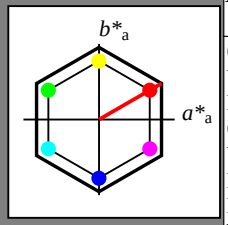
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

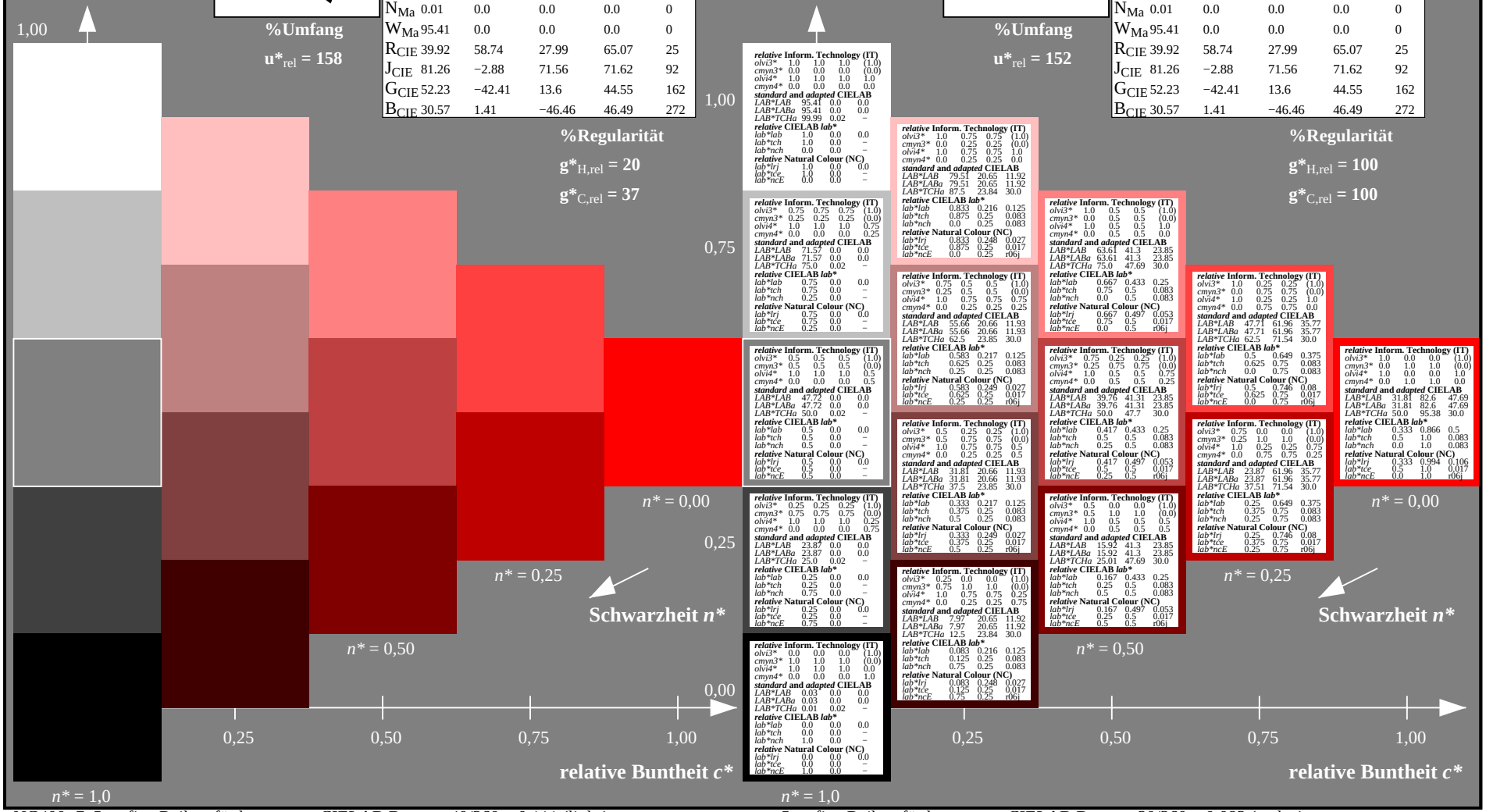


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



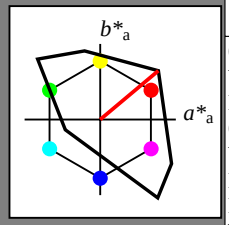
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

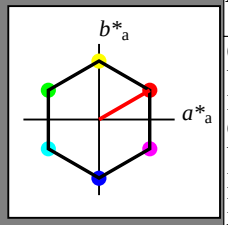
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

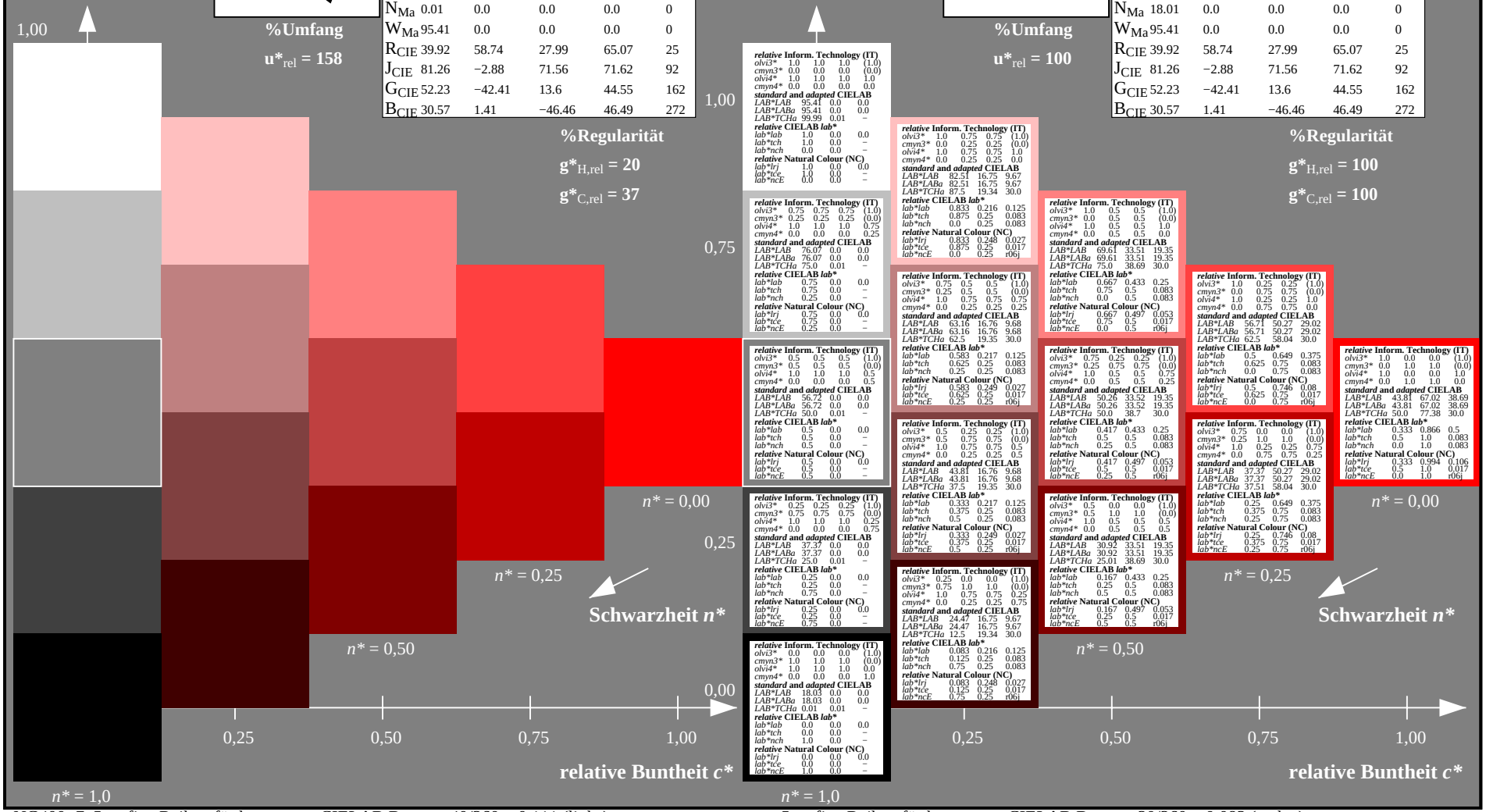


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



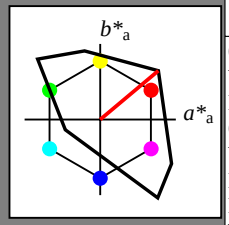
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

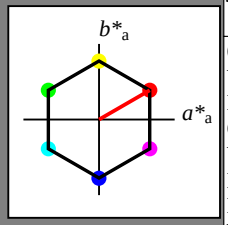
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

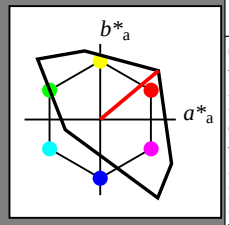
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

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



%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

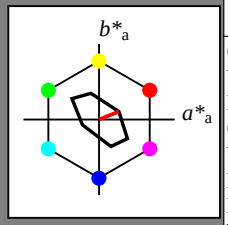
g*$_{H,rel}$ = 20

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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**

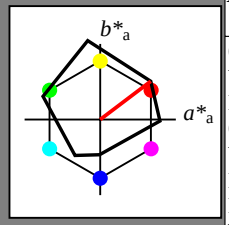
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

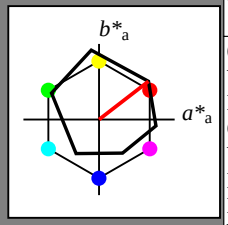
$g^*_{H,rel}$ = 38

$g^*_{C,rel}$ = 44

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



%Umfang

u^*_{rel} = 93

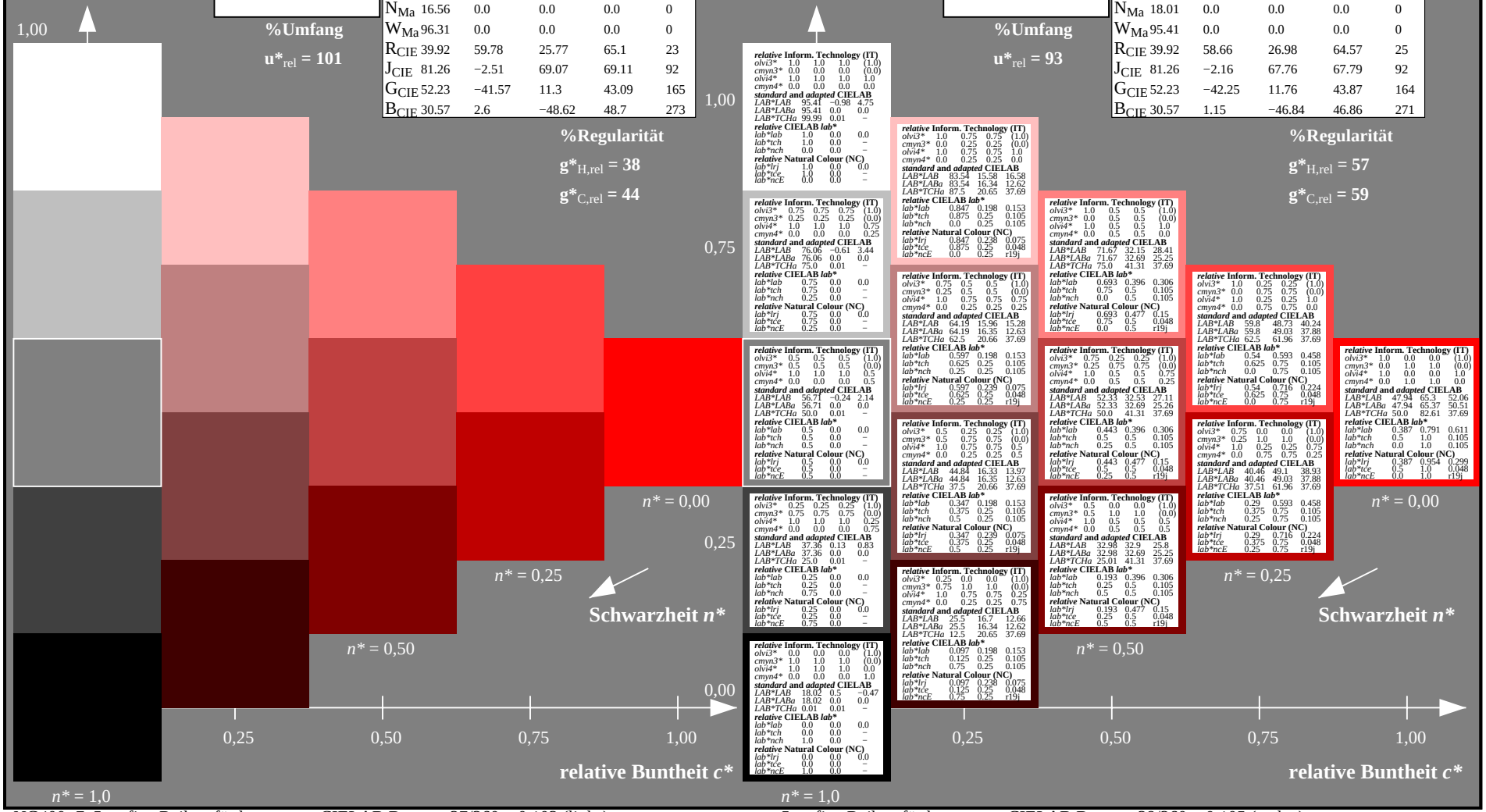
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



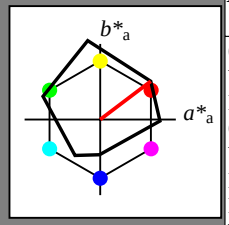
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 37/360 = 0.103*
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

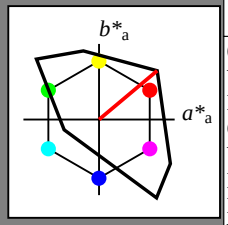
g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44

Ausgabe: 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



%Umfang

u*$_{rel}$ = 158

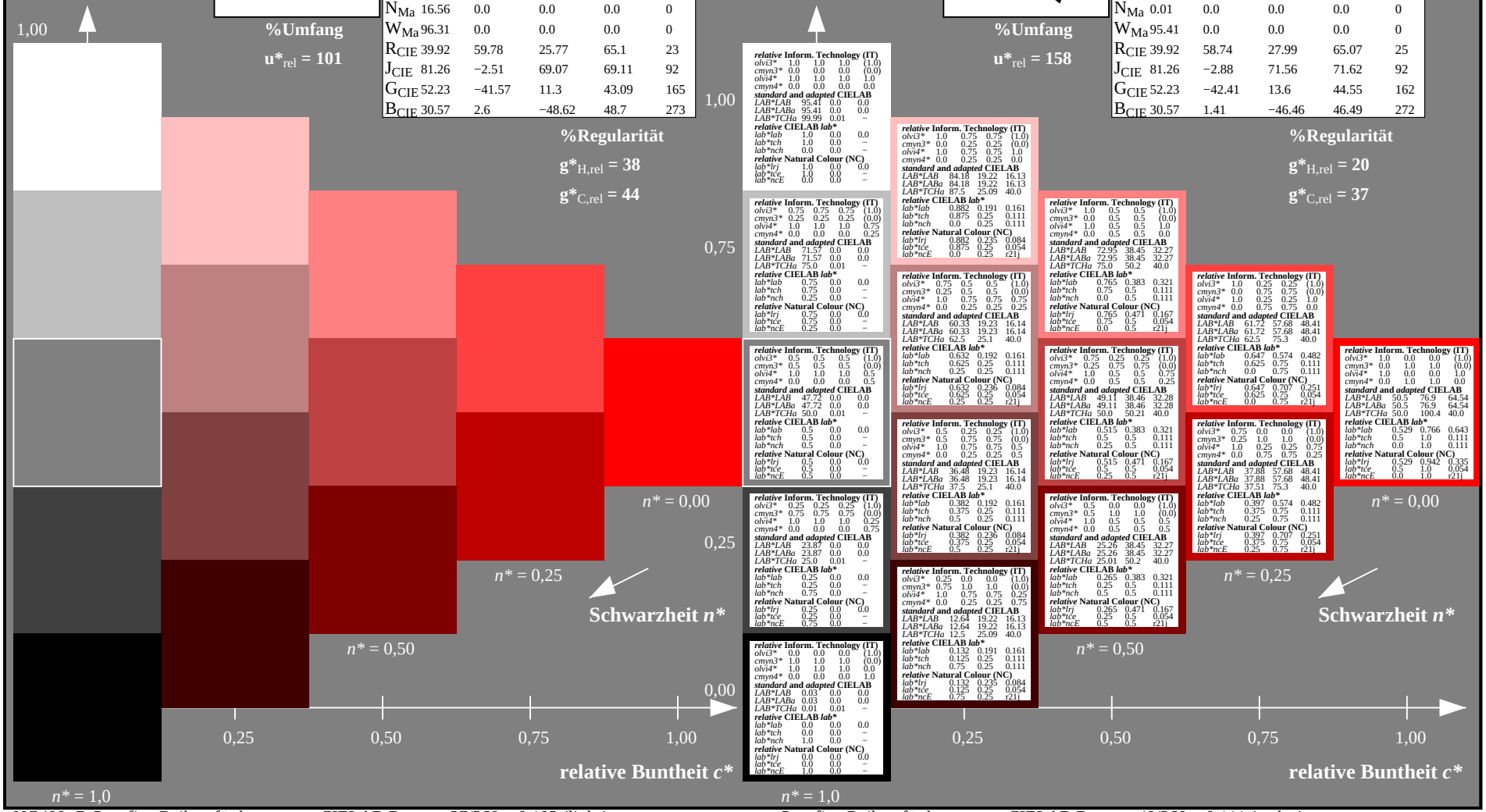
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



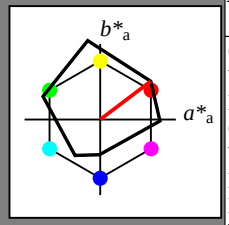
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

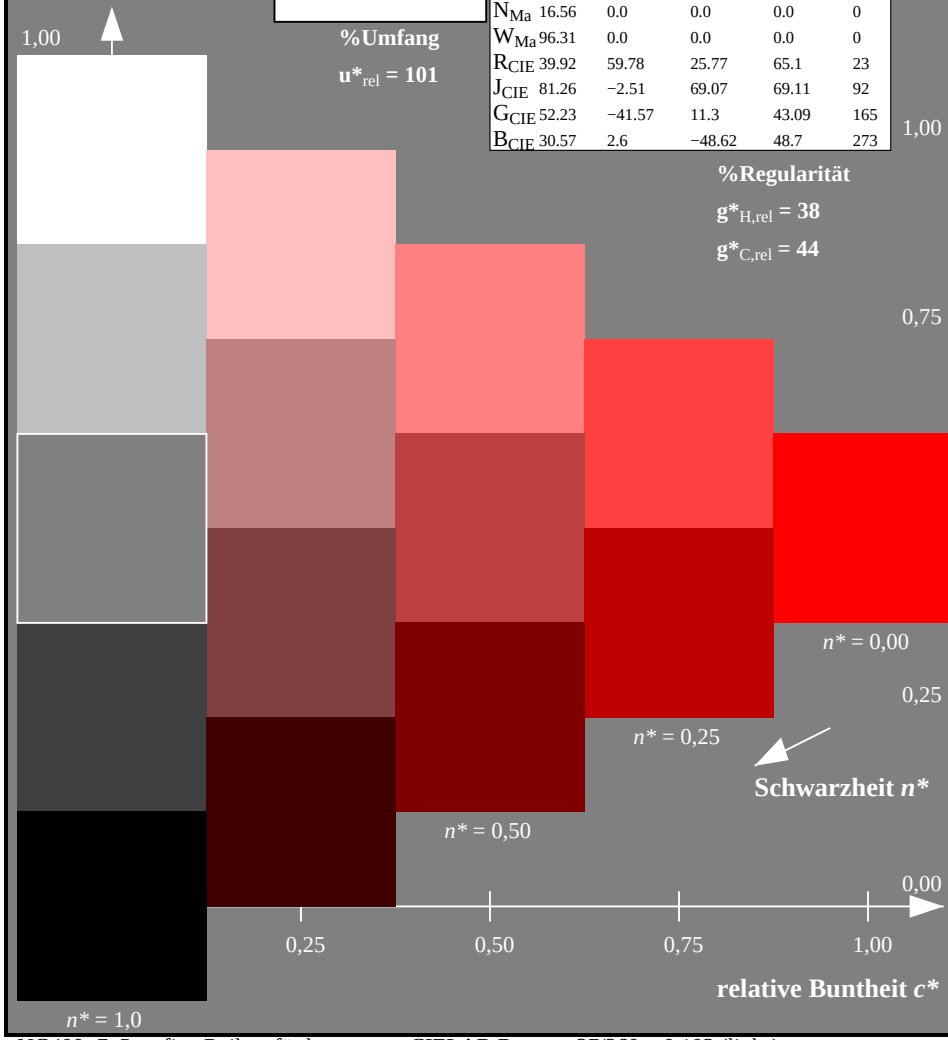


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

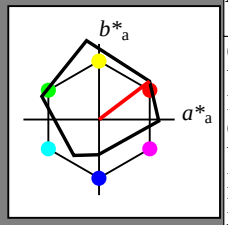
%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

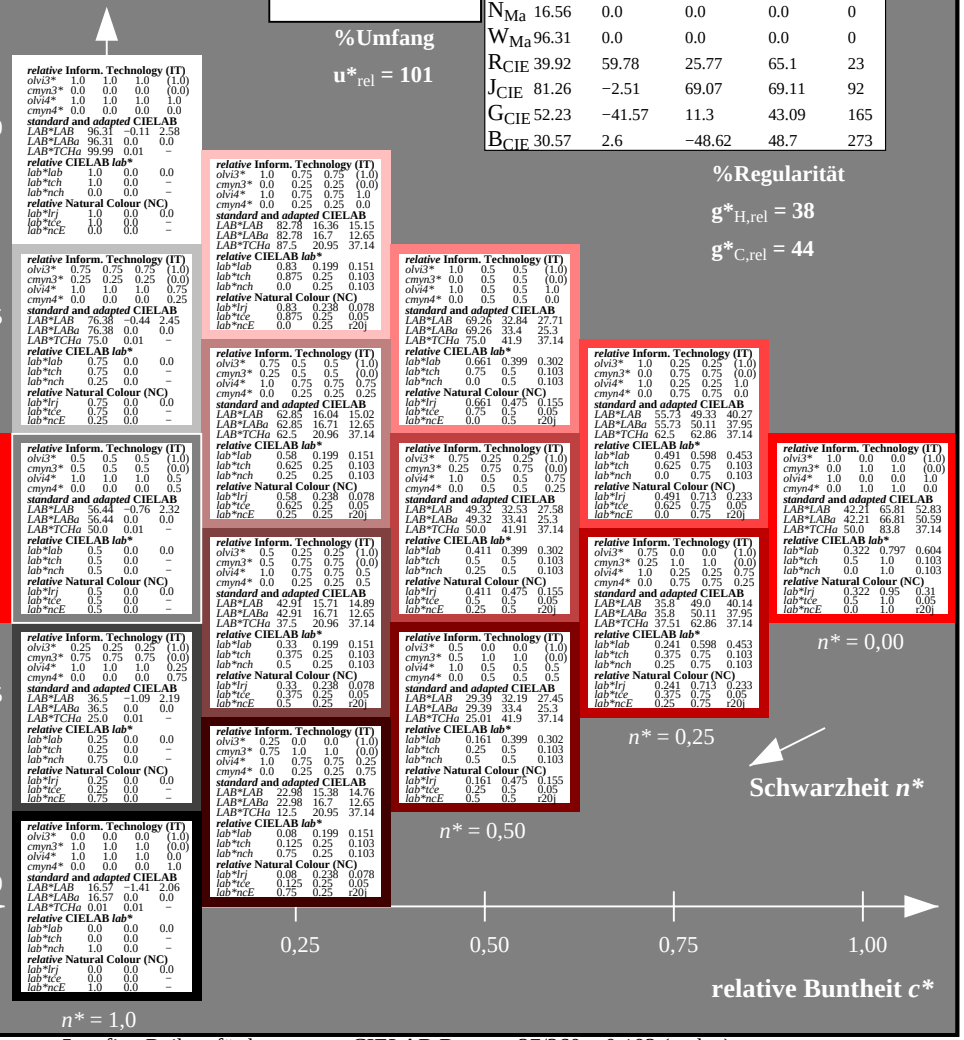


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



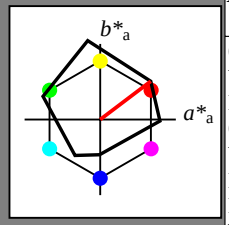
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 37/360 = 0.103*
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

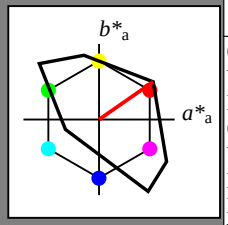
g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 35/360 = 0.097*
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

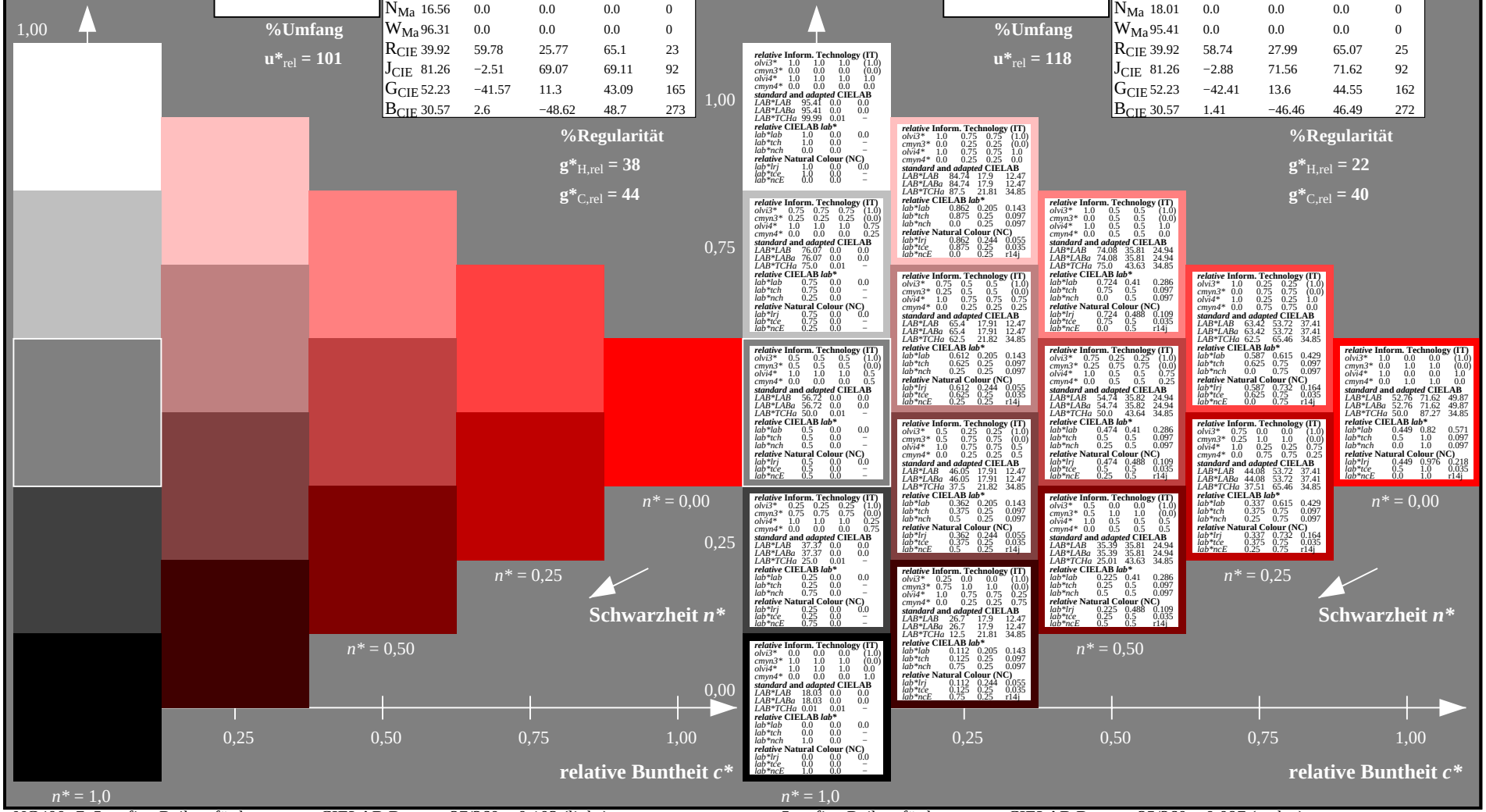
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40



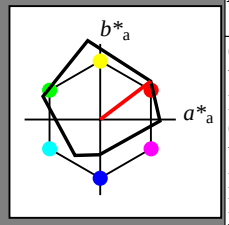
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 37/360 = 0.103*
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

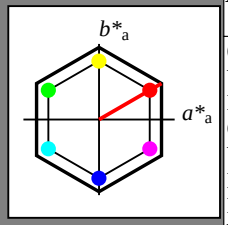
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 30/360 = 0.083*
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

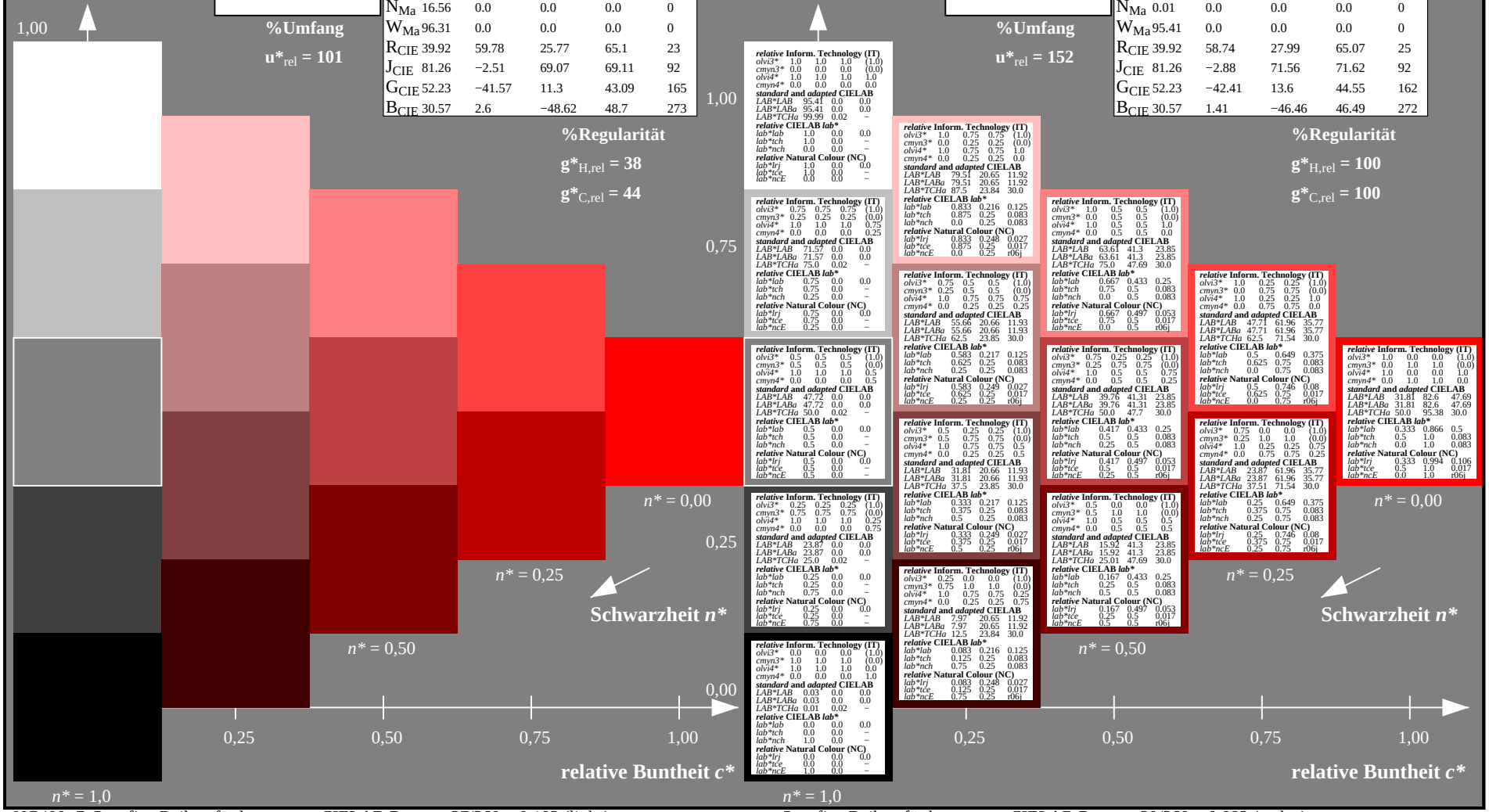


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



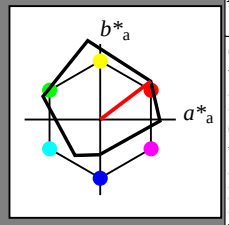
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

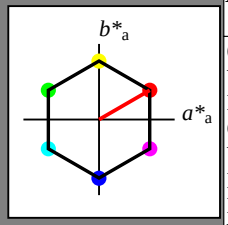
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

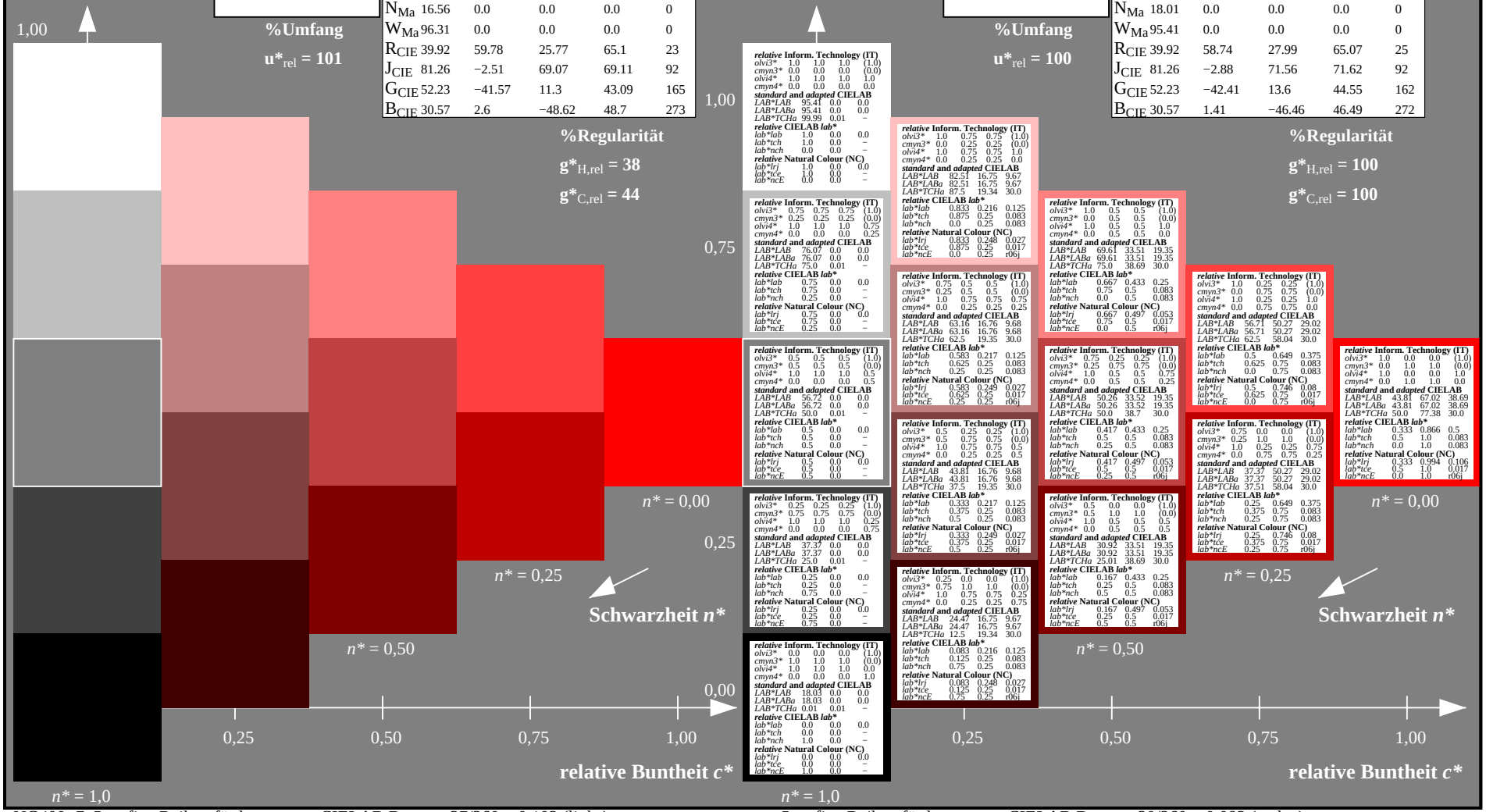


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



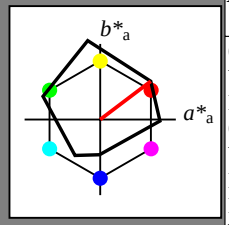
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

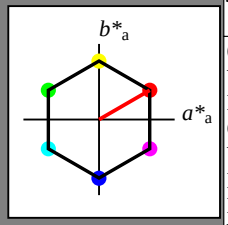
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

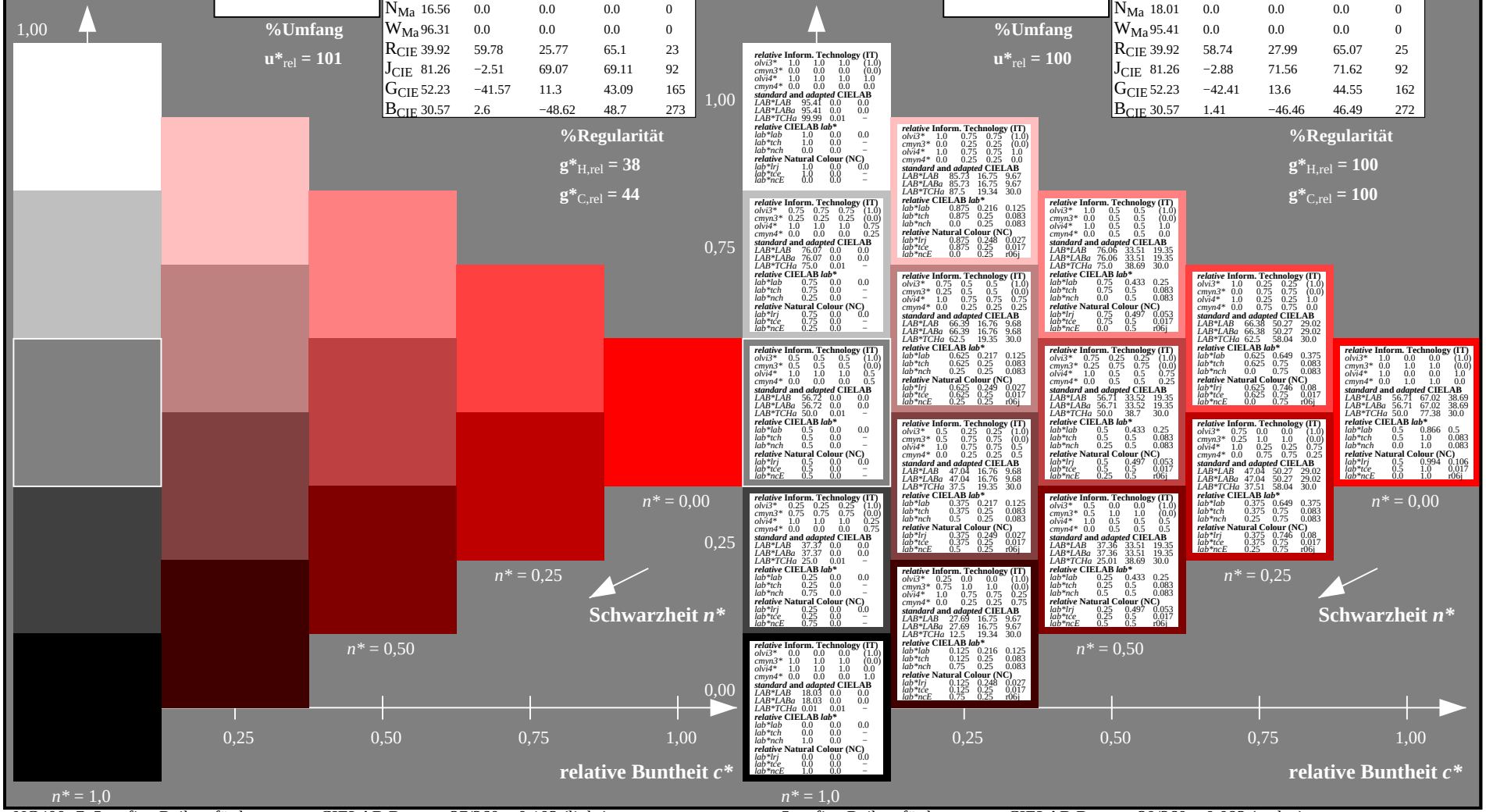


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

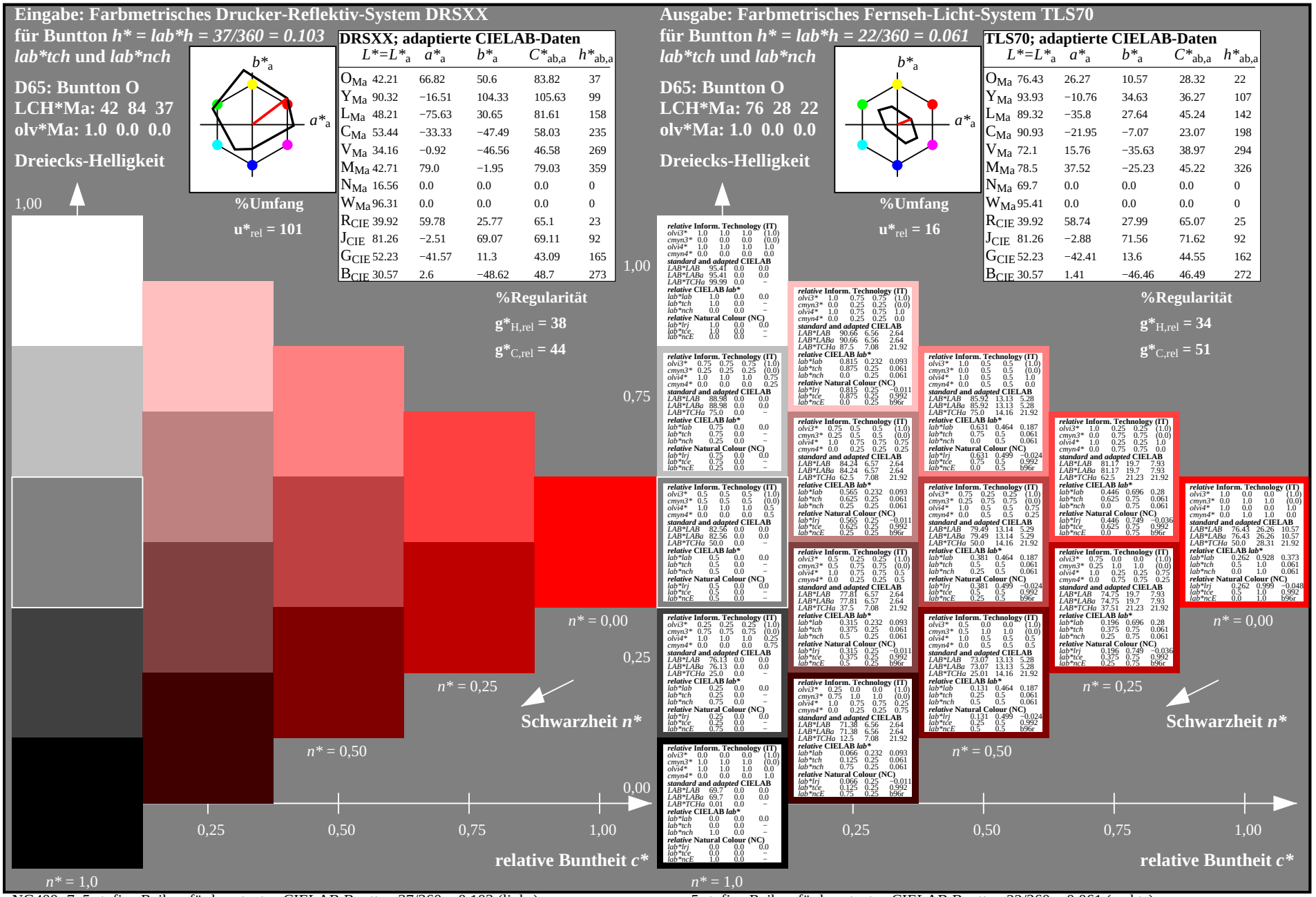
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)



DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

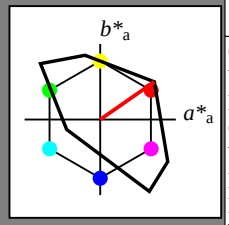
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

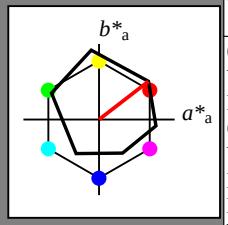
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

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



%Umfang

u*$_{rel}$ = 93

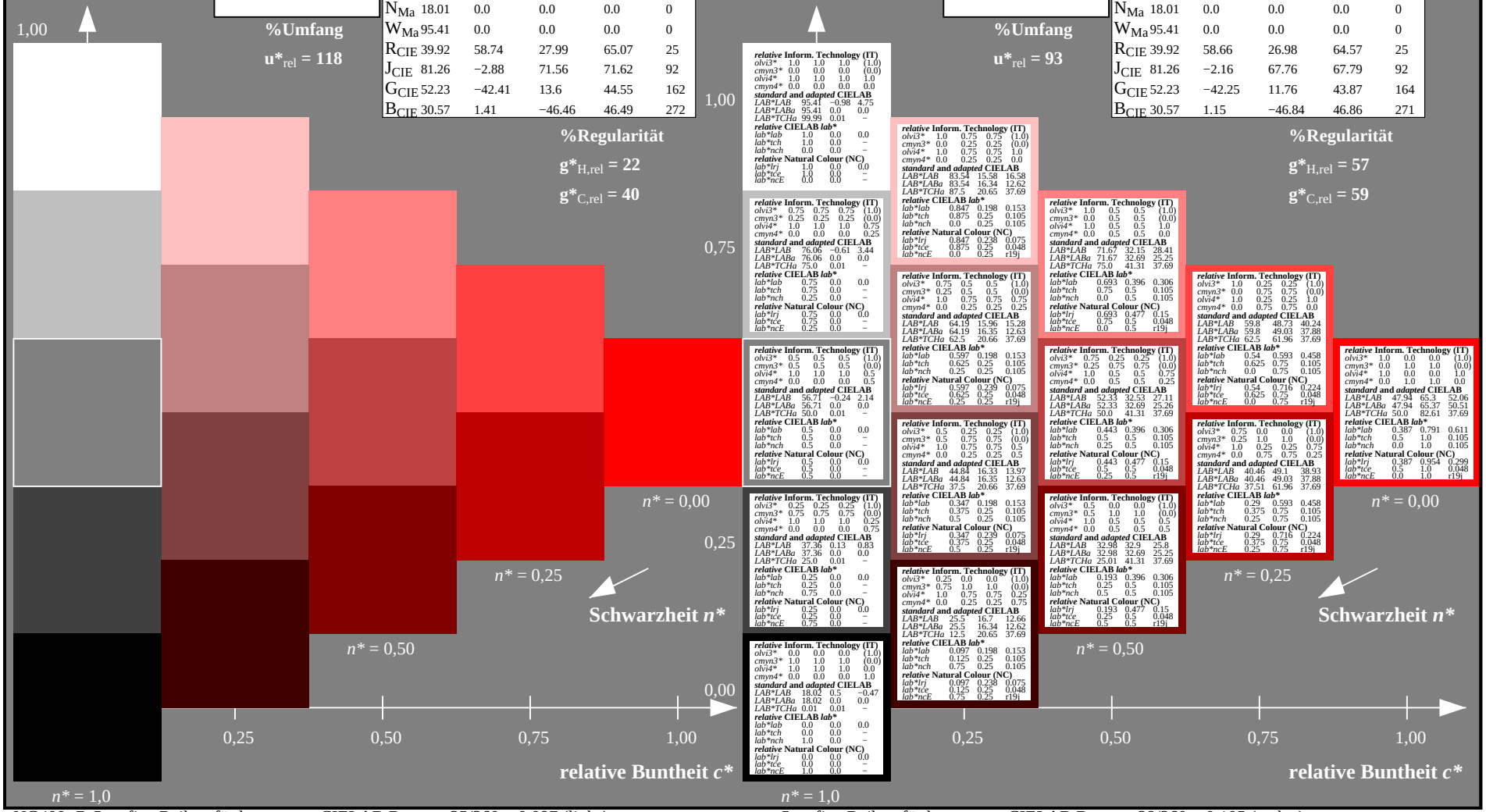
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



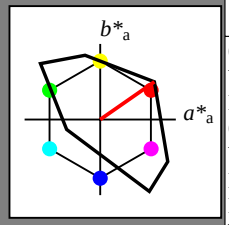
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

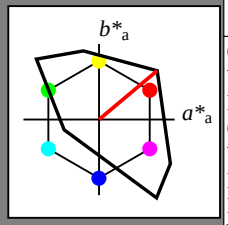
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: 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

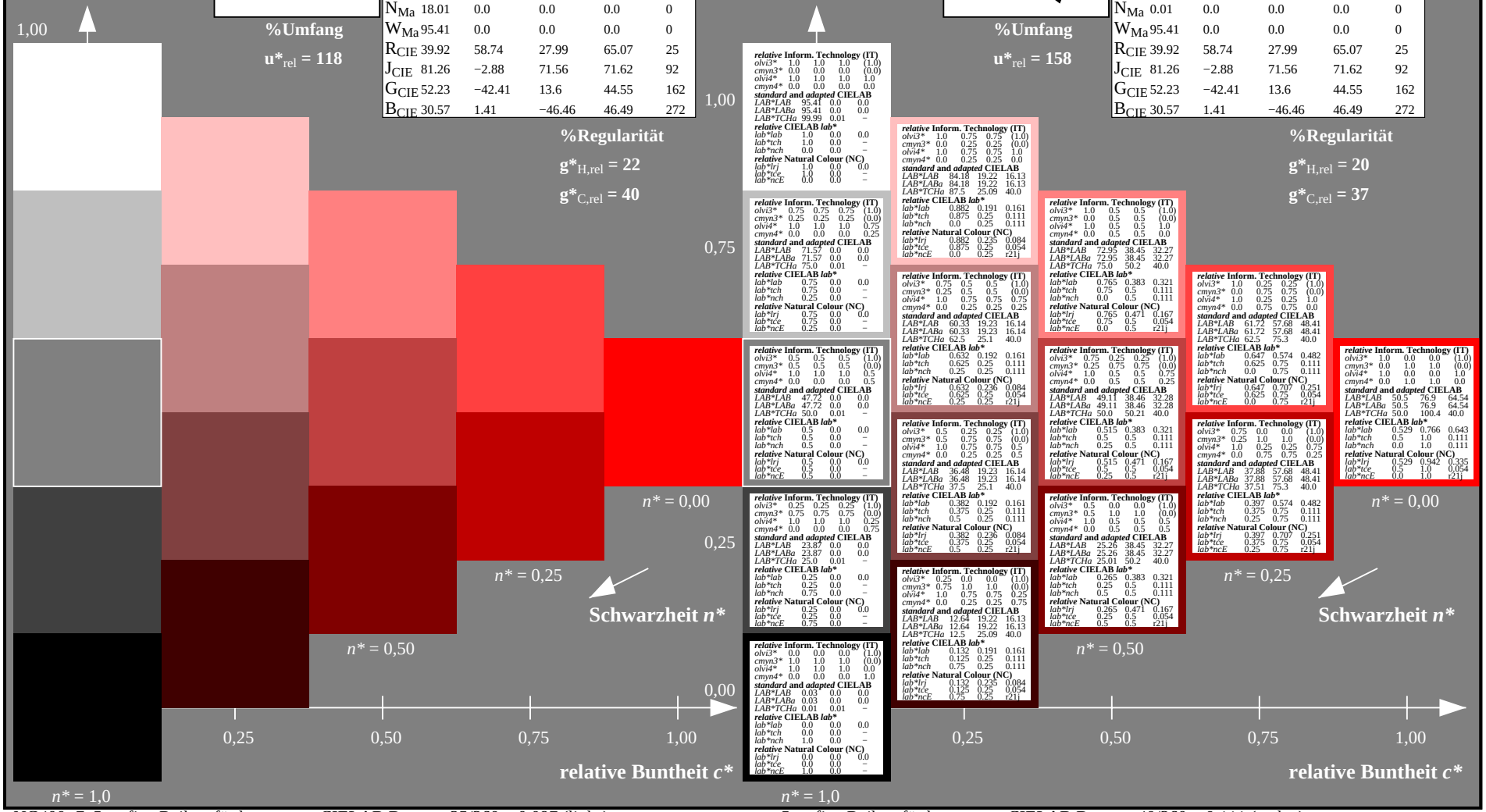


%Umfang
u^*_{rel} = 158

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



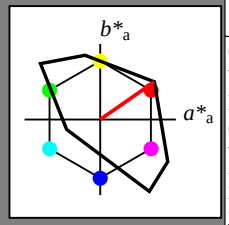
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

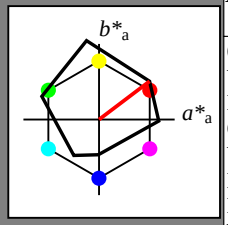
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

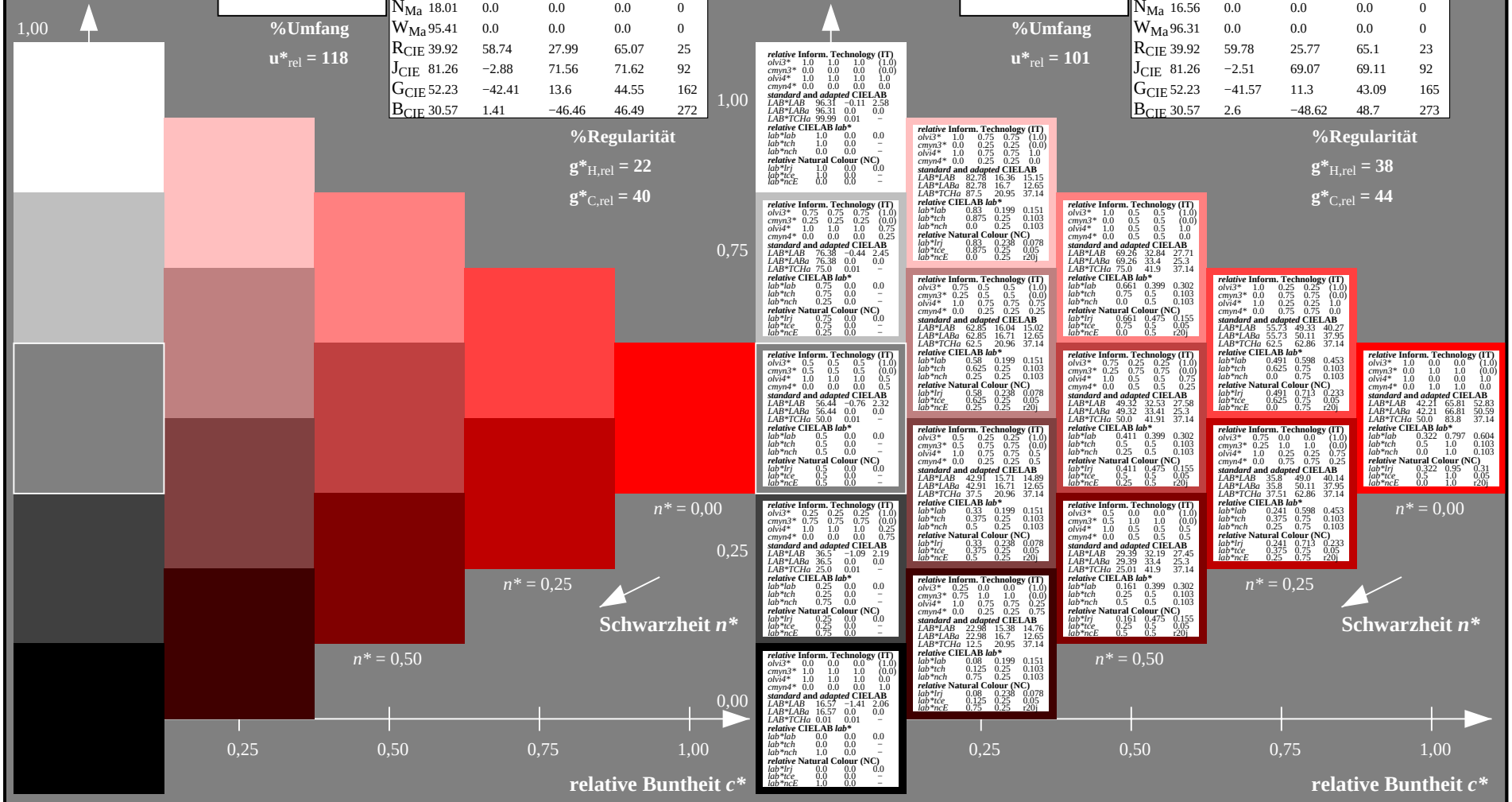


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



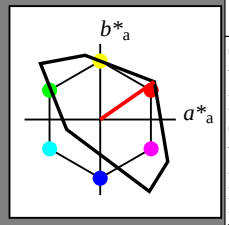
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

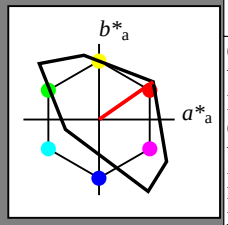
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

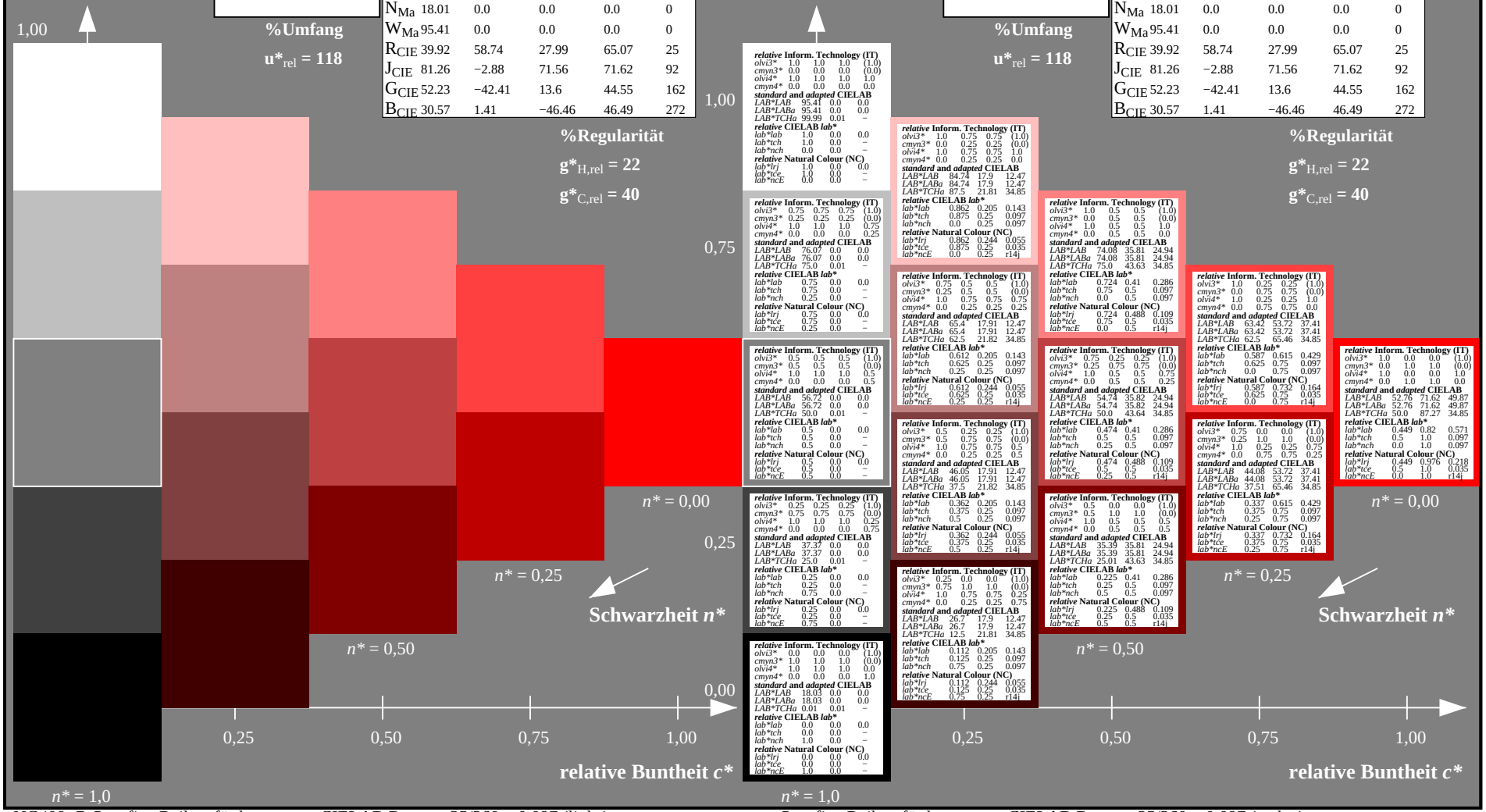
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

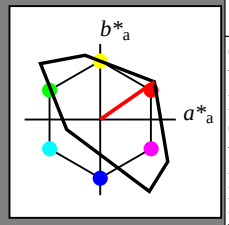
5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

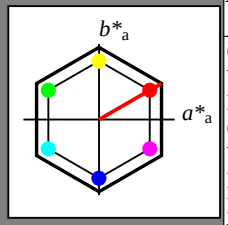
1,00
0,75
0,25
0,00
*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0
Schwarzheit *n**
0,25 0,50 0,75 1,00
relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00

für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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**

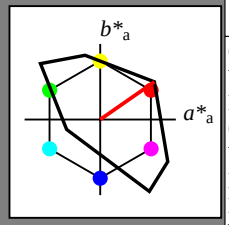
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

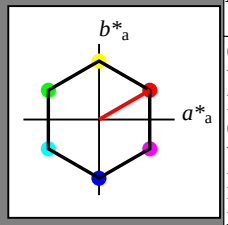
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

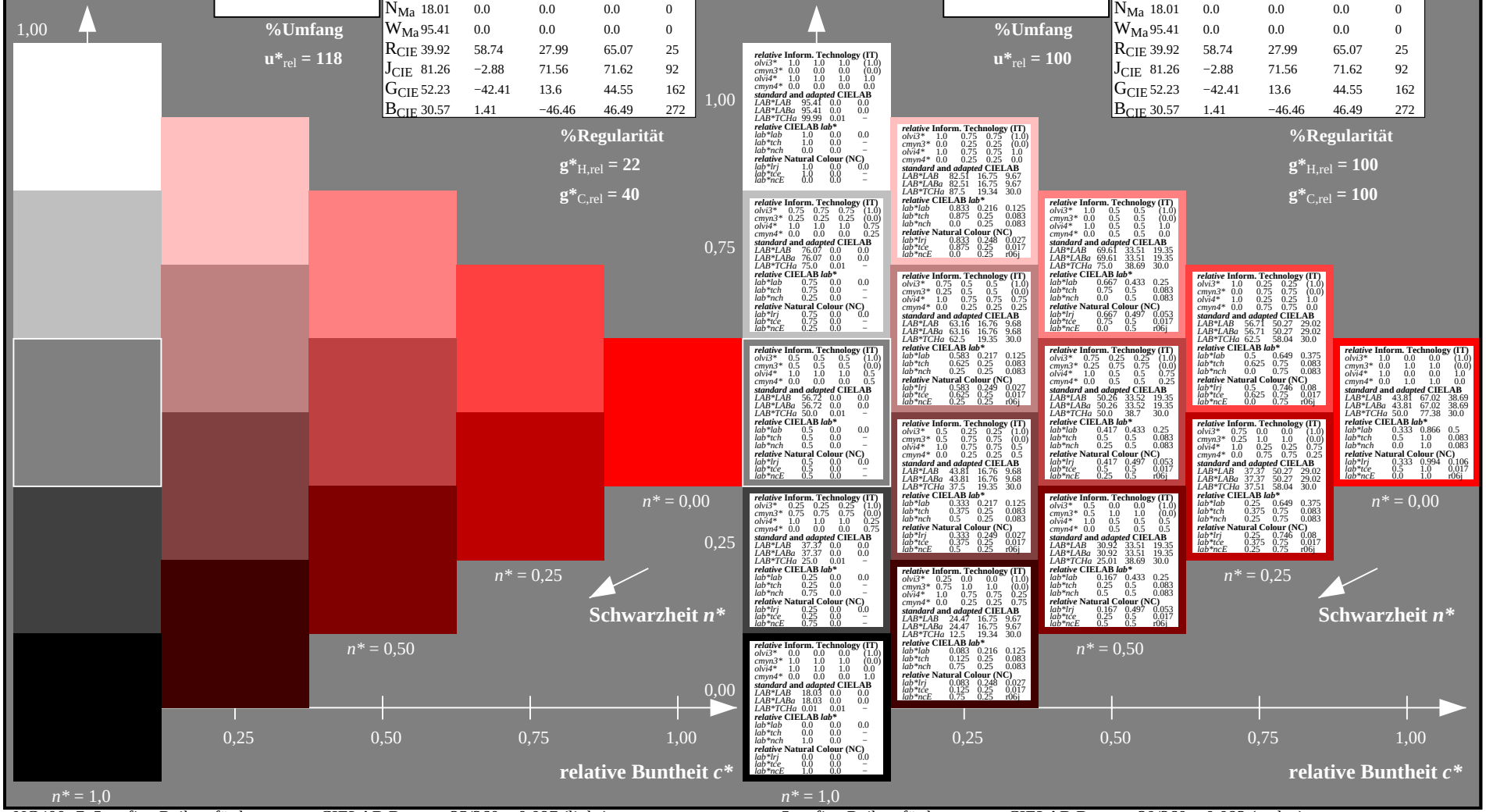


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



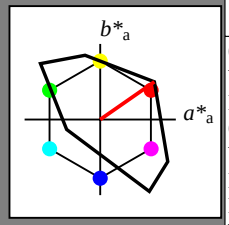
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

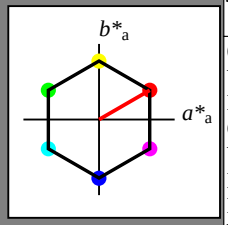
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

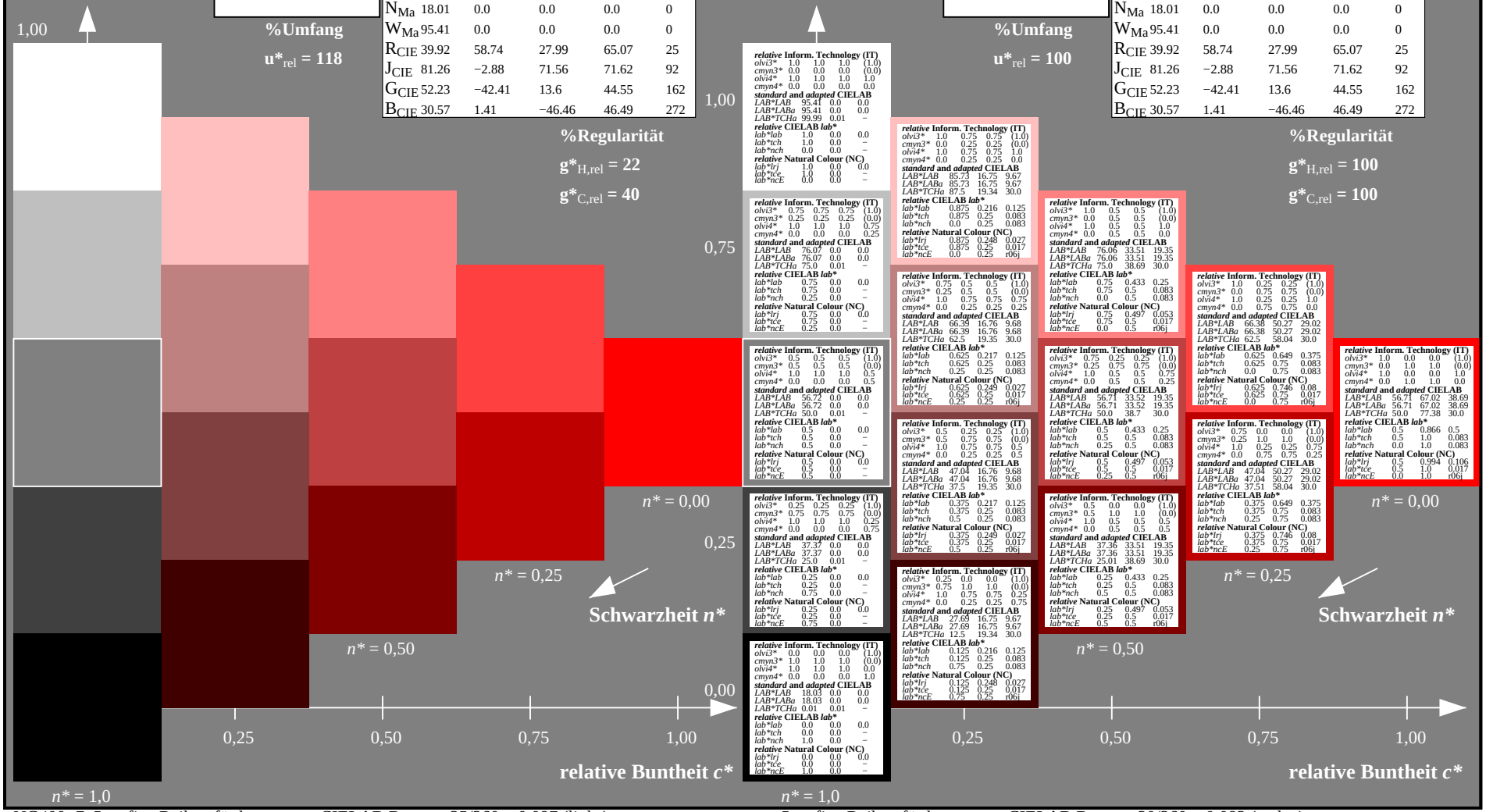


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



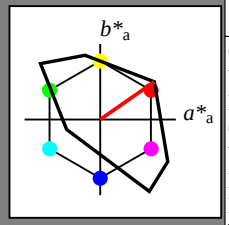
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

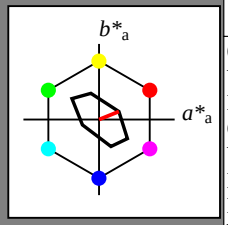
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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**

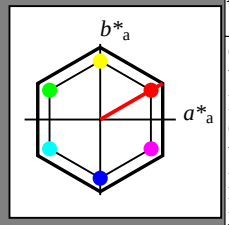
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

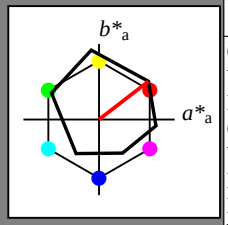
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

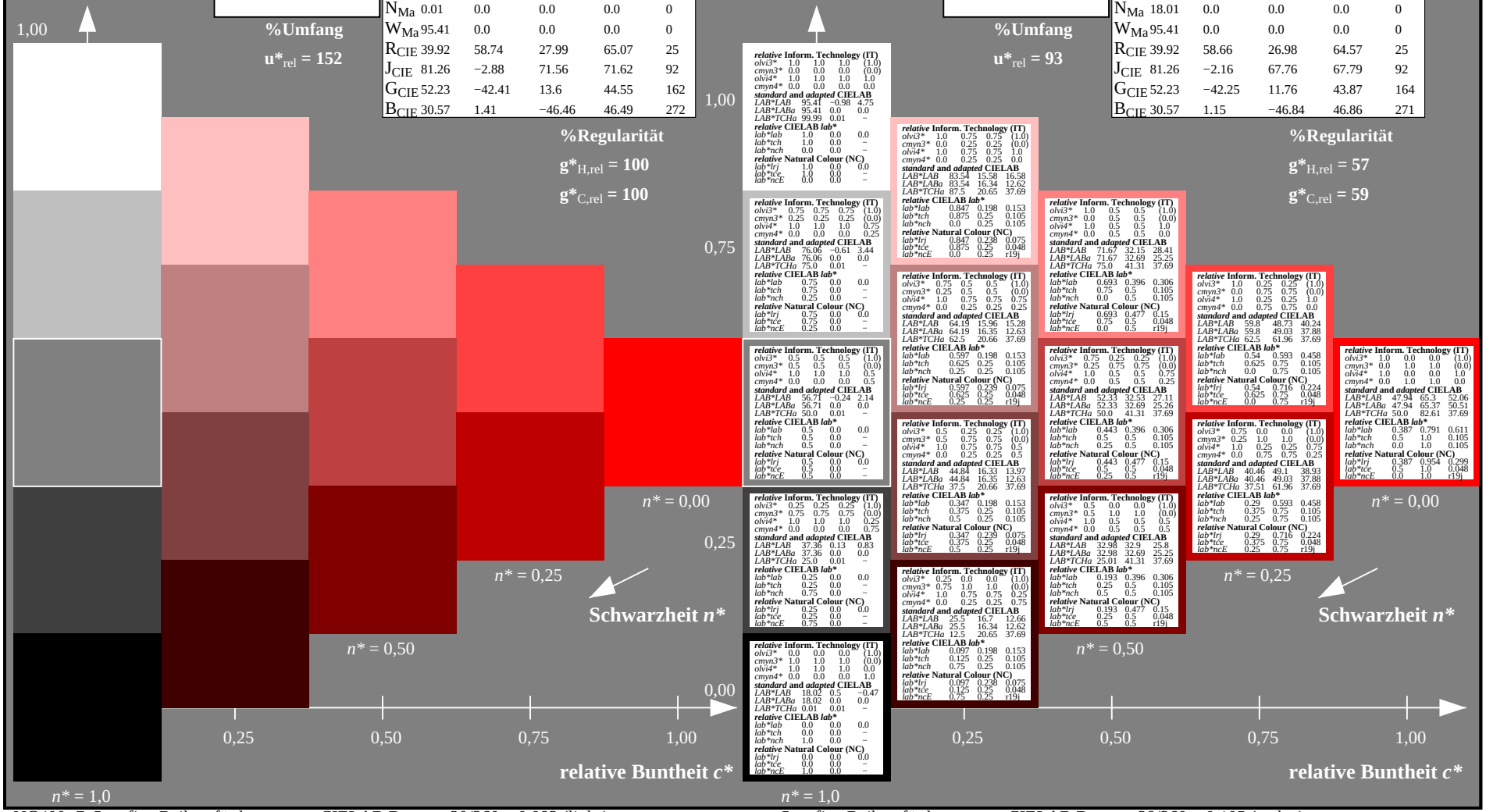


%Umfang
u*$_{rel}$ = 93

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



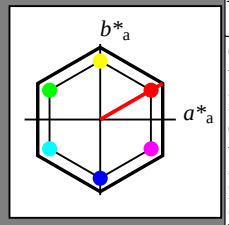
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

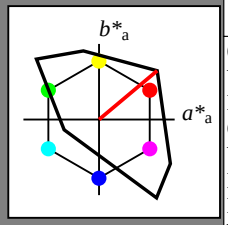
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

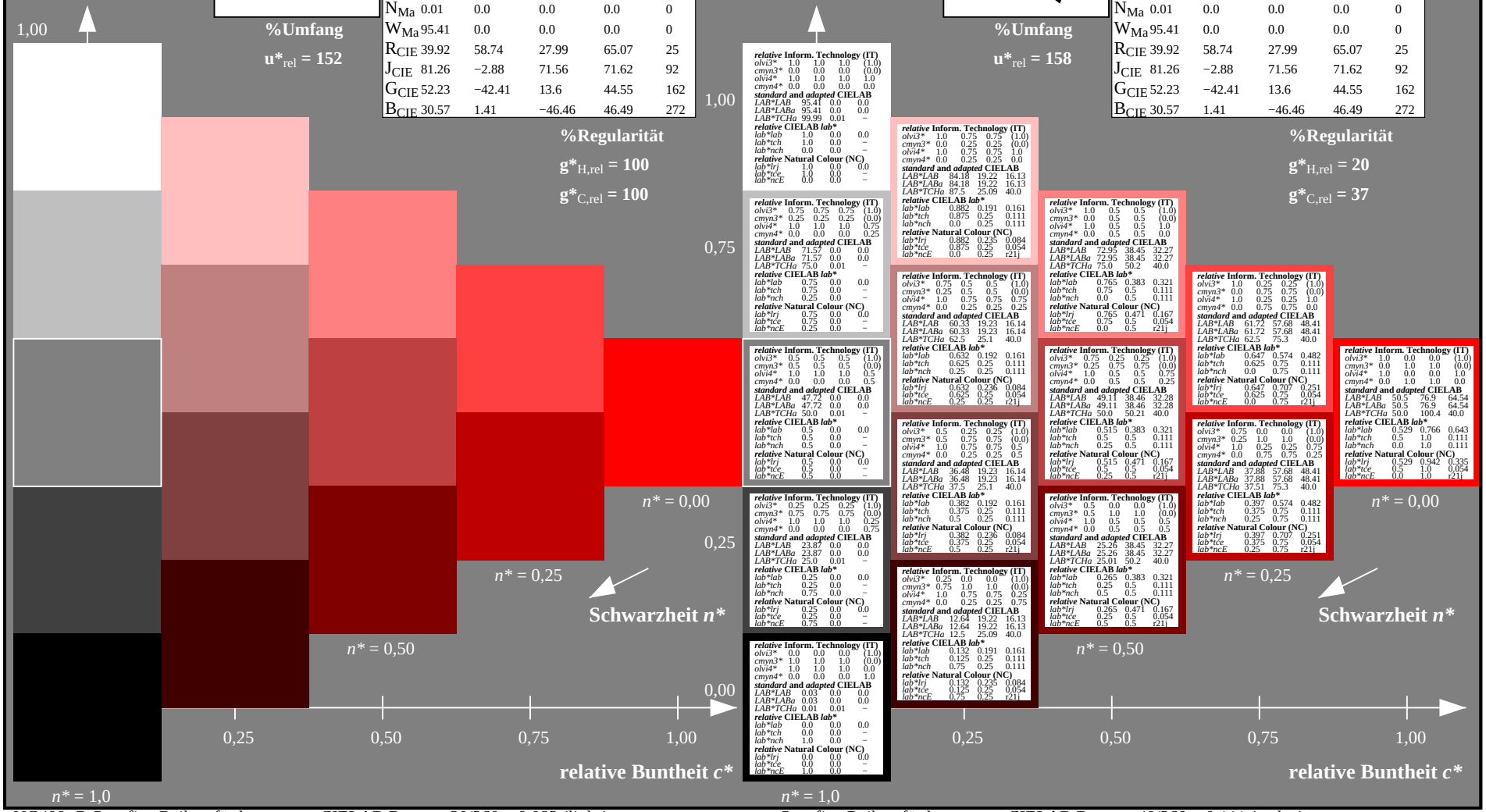


%Umfang
u^*_{rel} = 158

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



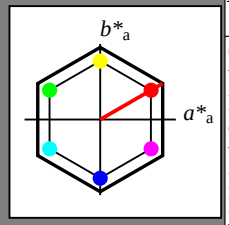
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

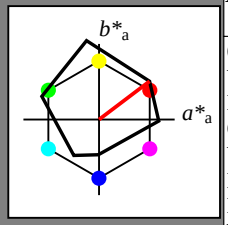
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

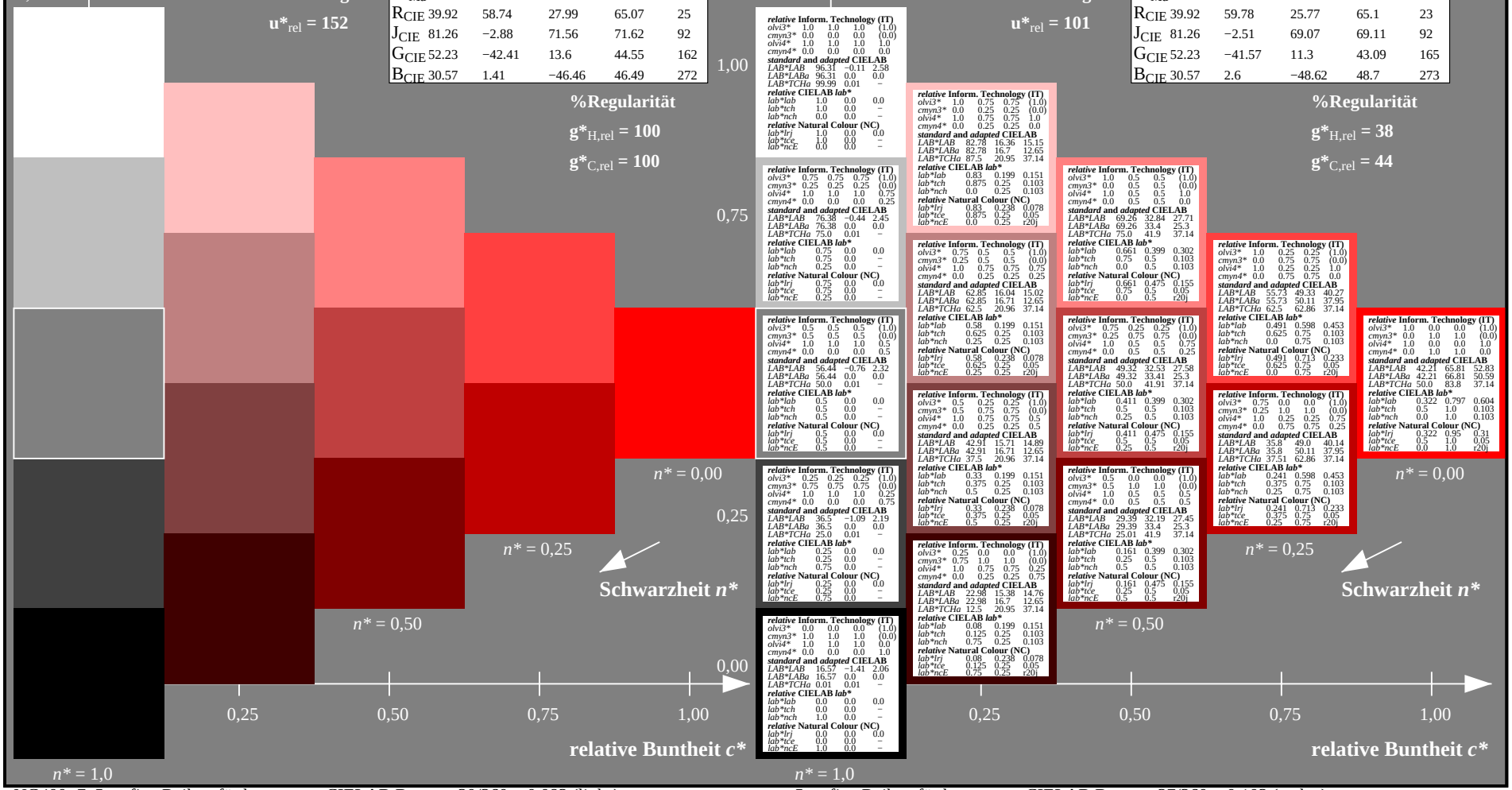


%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44



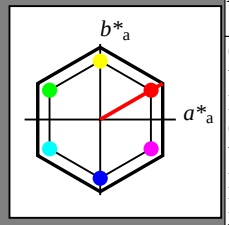
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

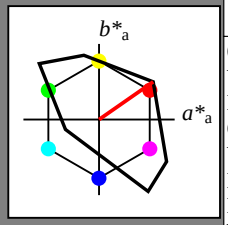
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

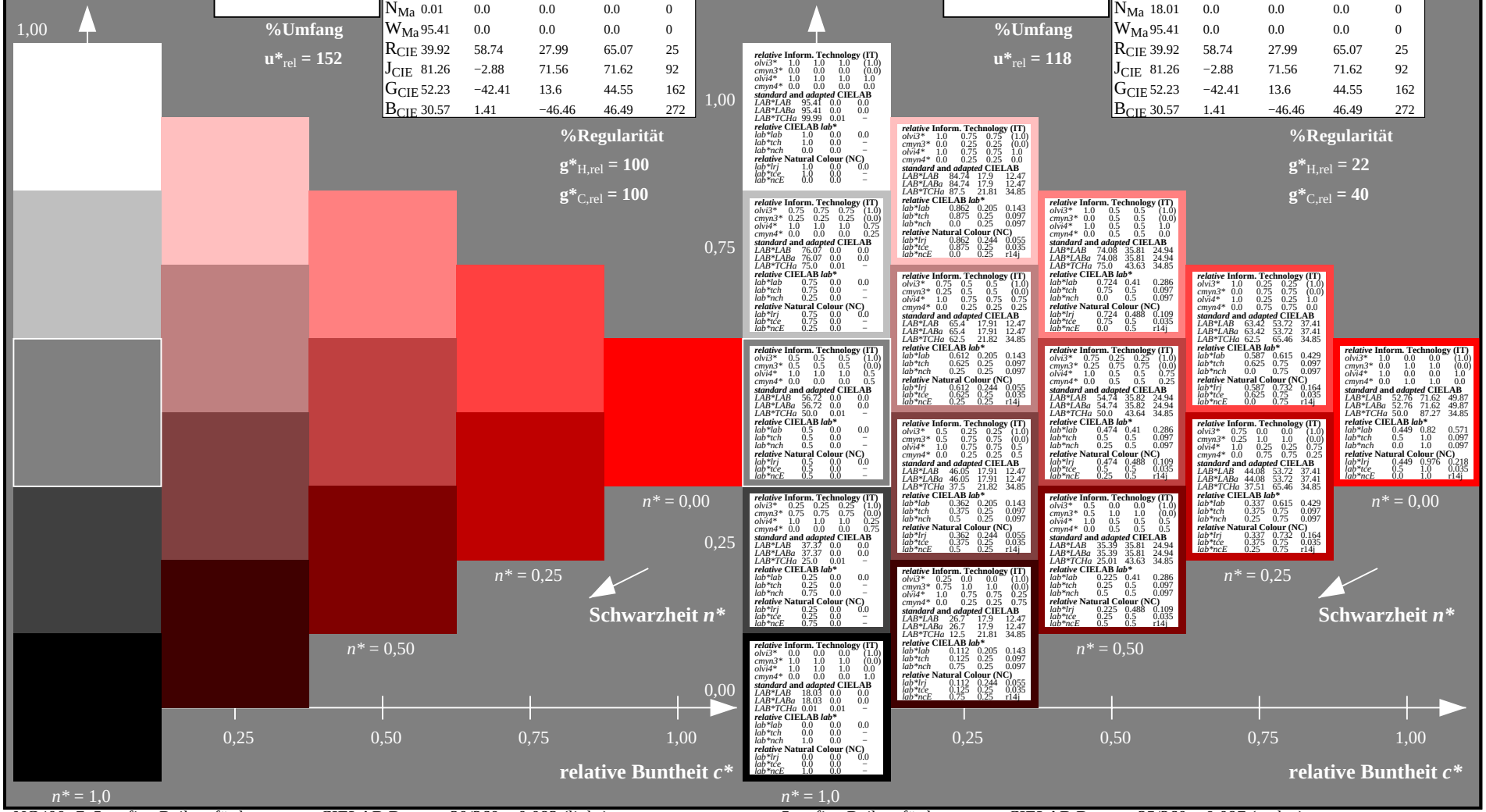


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



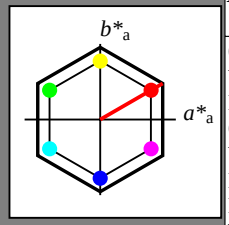
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 30/360 = 0.083**
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

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

Schwarzheit *n**

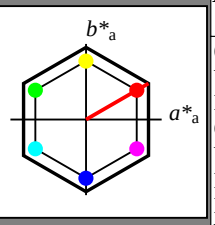
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 30/360 = 0.083**
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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**

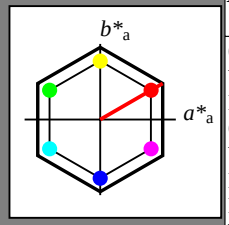
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 30/360 = 0.083**
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

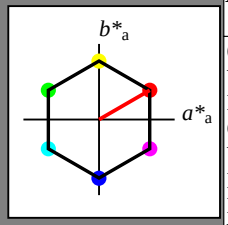
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 30/360 = 0.083**
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

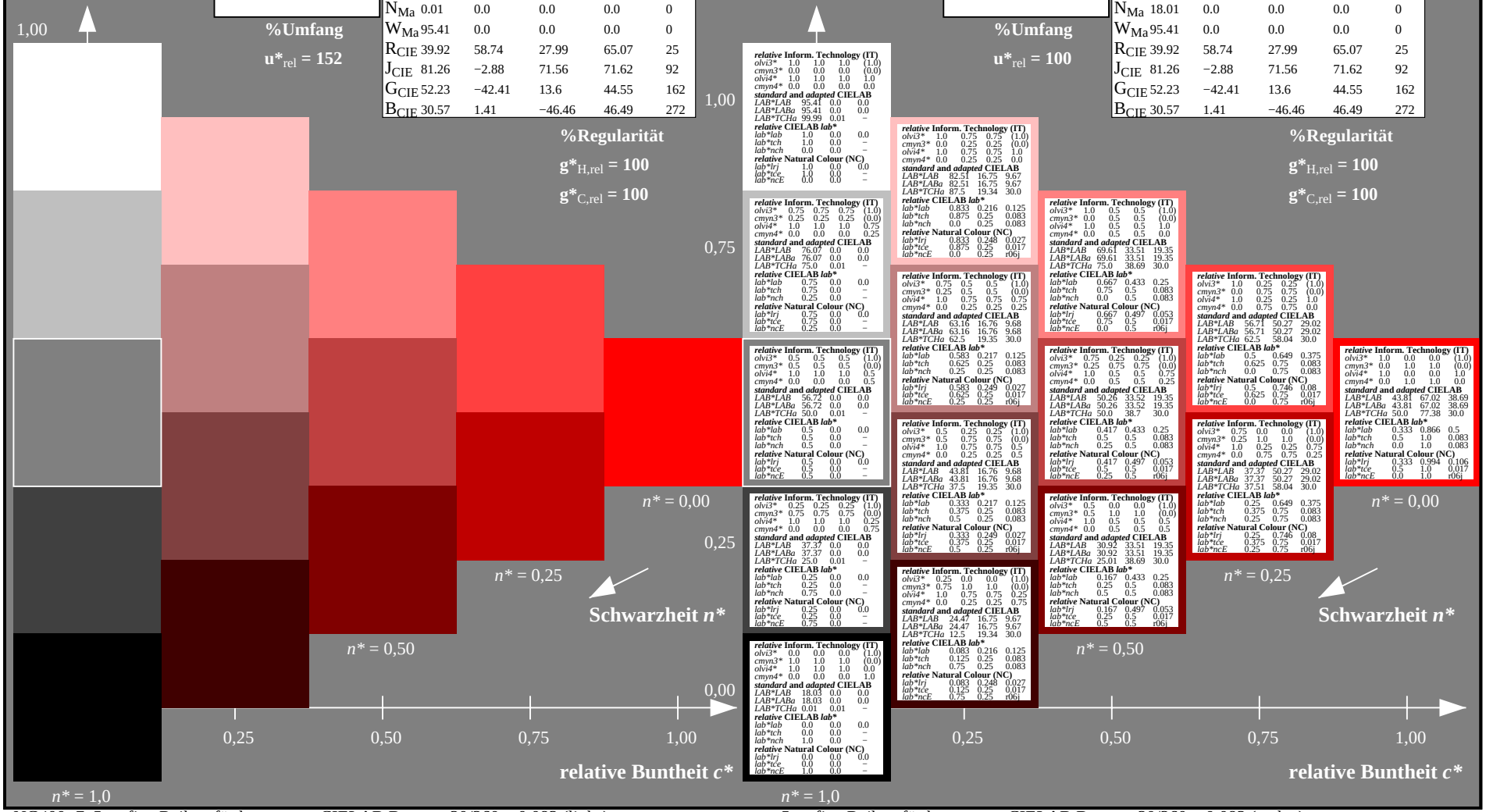


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



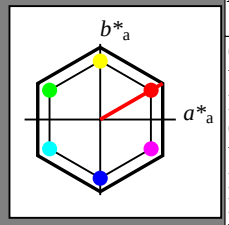
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

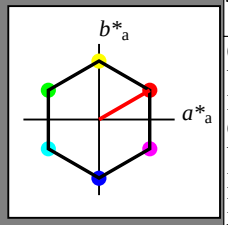
%Regularität
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

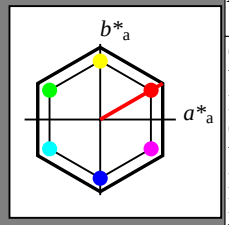
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

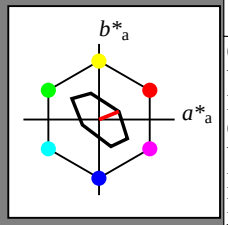
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

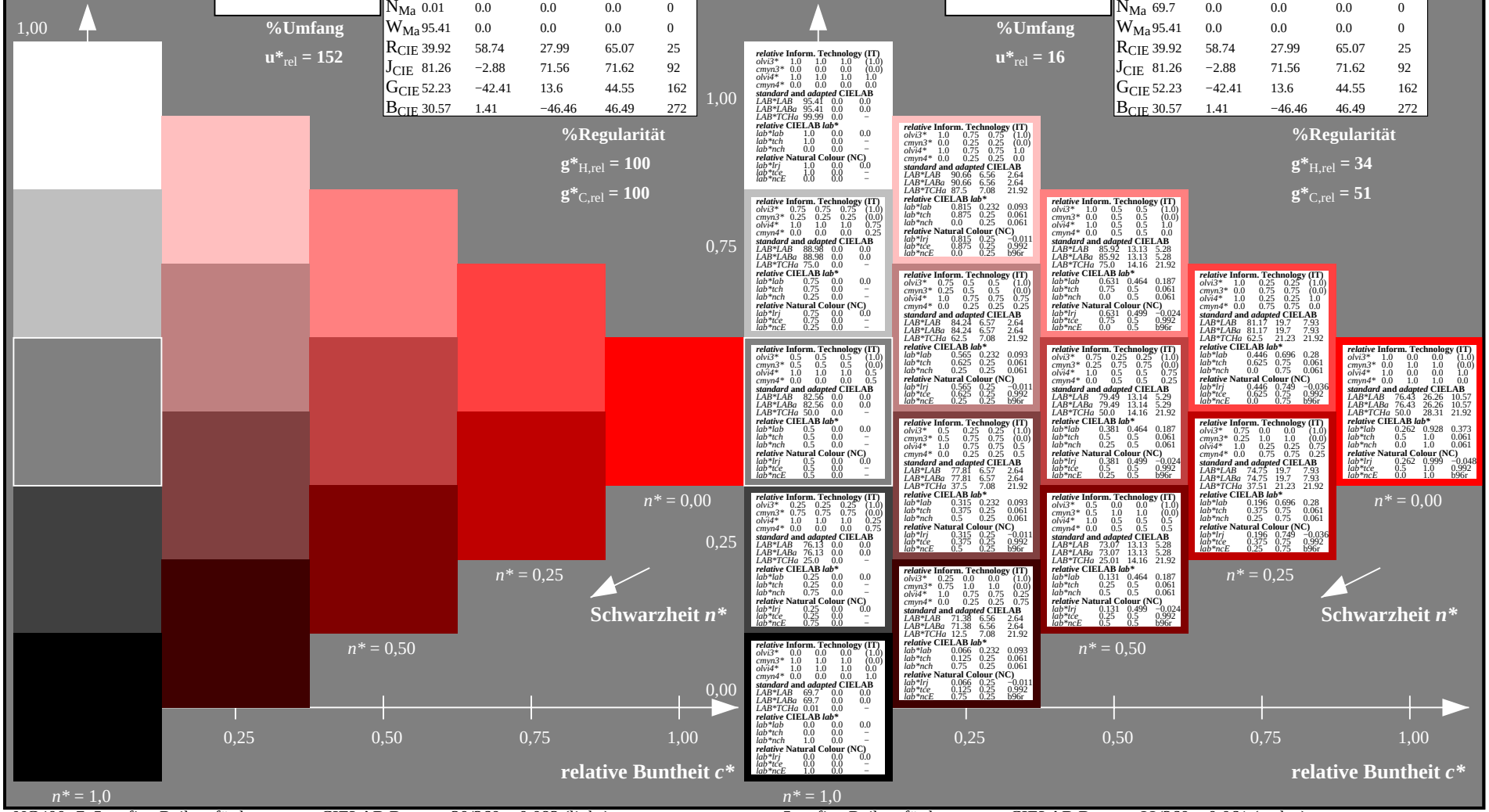


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



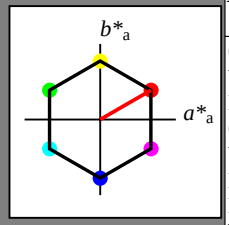
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18

für Buntton *h* = lab*h = 30/360 = 0.083*
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0



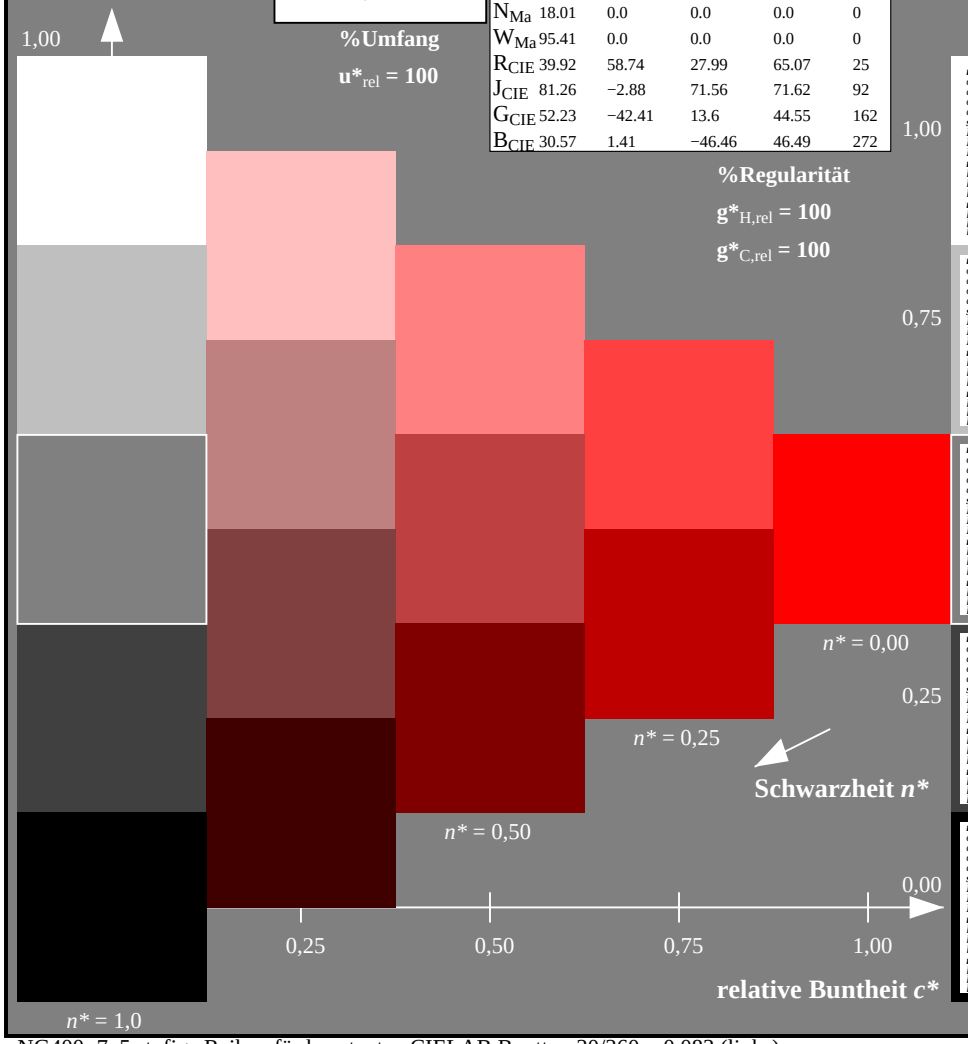
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Umfang
u^*_{rel} = 100

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

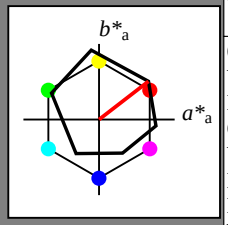
Dreiecks-Helligkeit



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



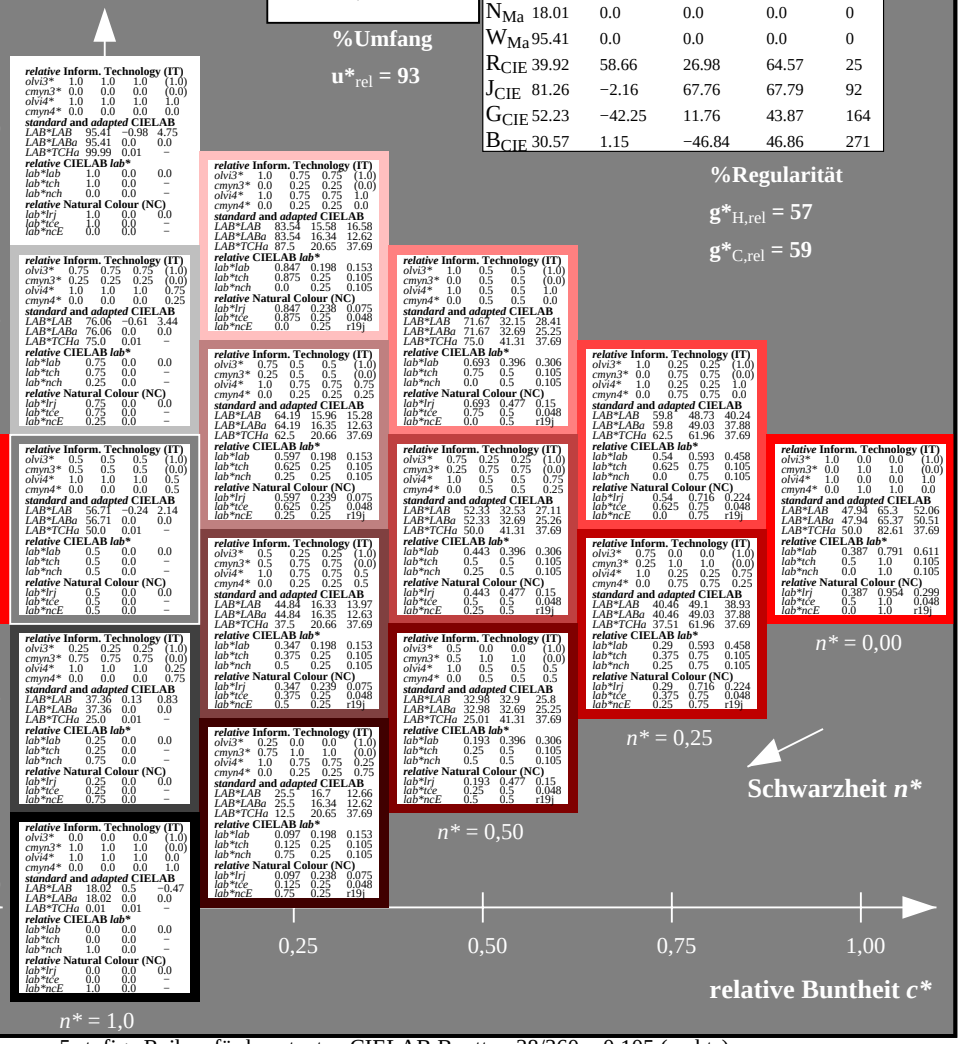
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

%Umfang
u^*_{rel} = 93

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

Dreiecks-Helligkeit



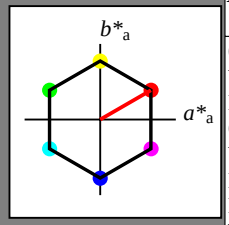
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

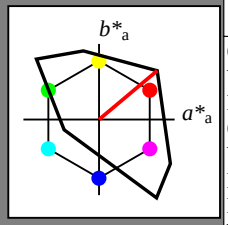
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: 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

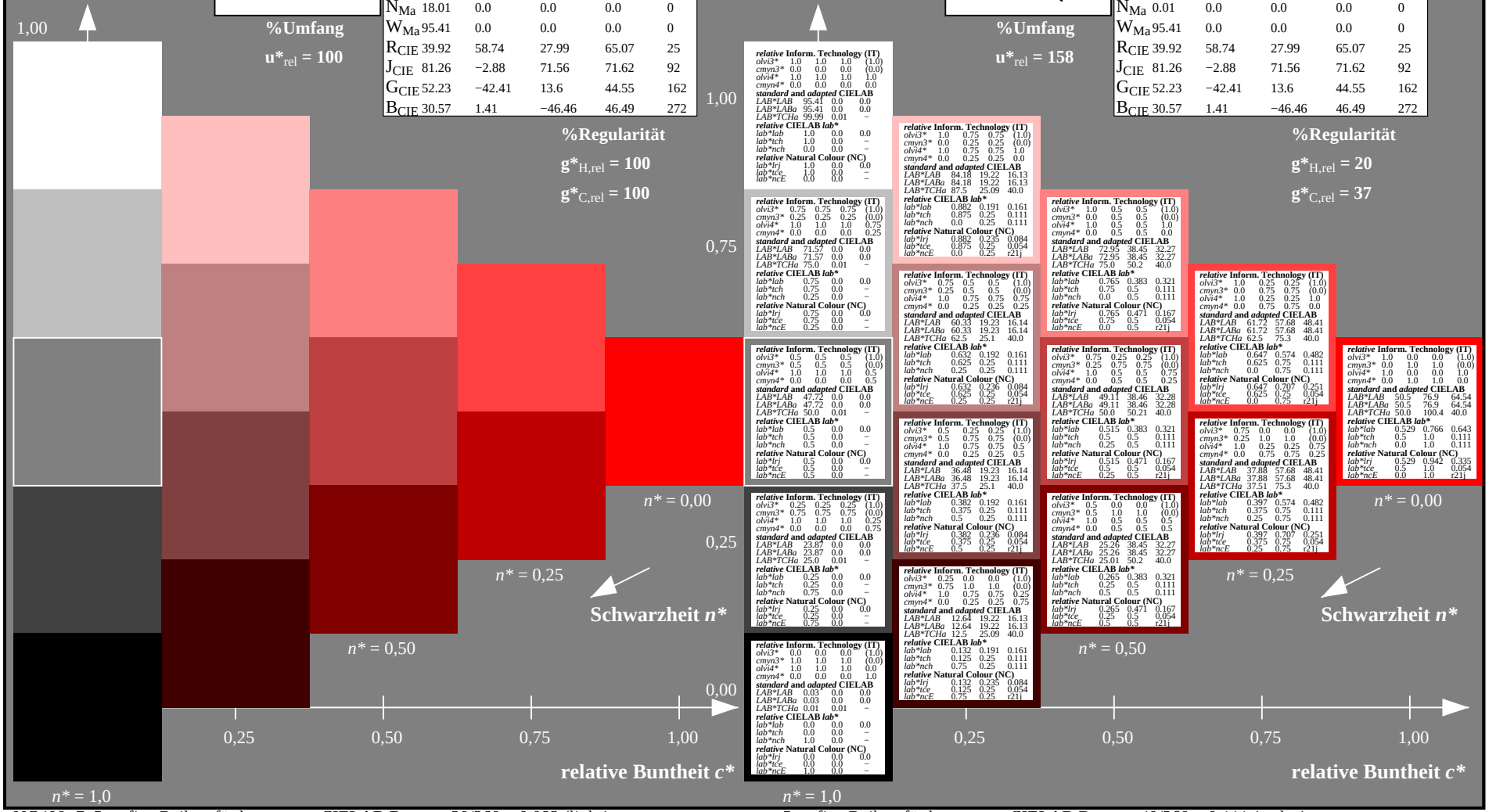


%Umfang
u*$_{rel}$ = 158

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



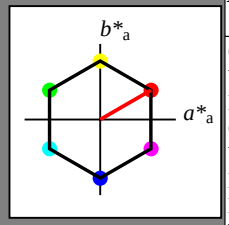
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

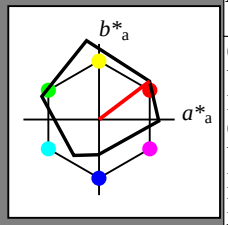
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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**

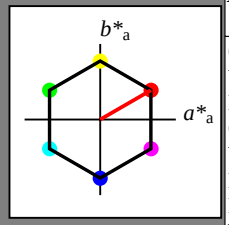
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

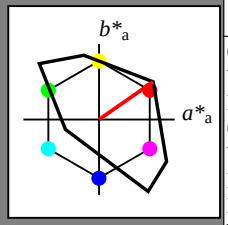
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

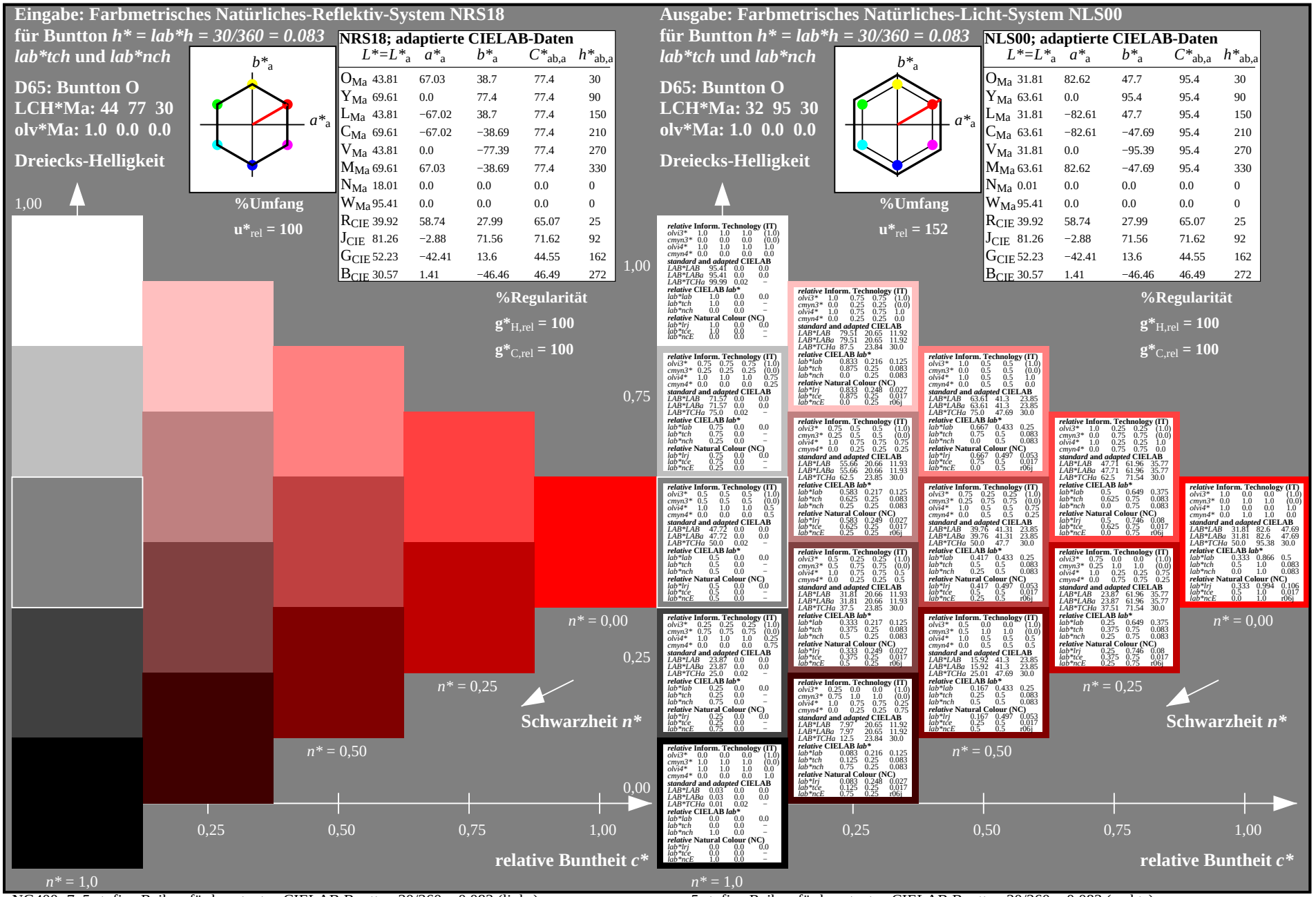
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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^*

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)



NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

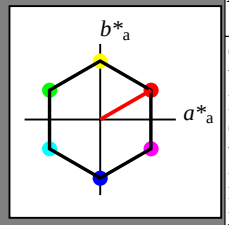
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

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

Schwarzheit *n**

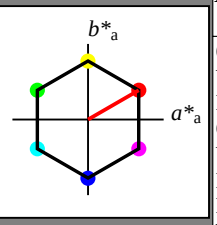
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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**

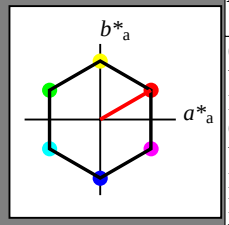
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083**
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

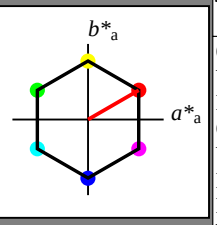
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083**
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

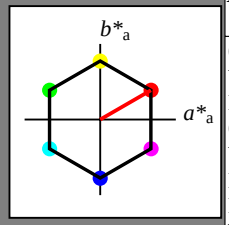
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

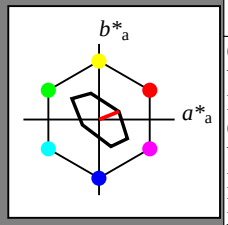
g*H,rel = 100

g*C,rel = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

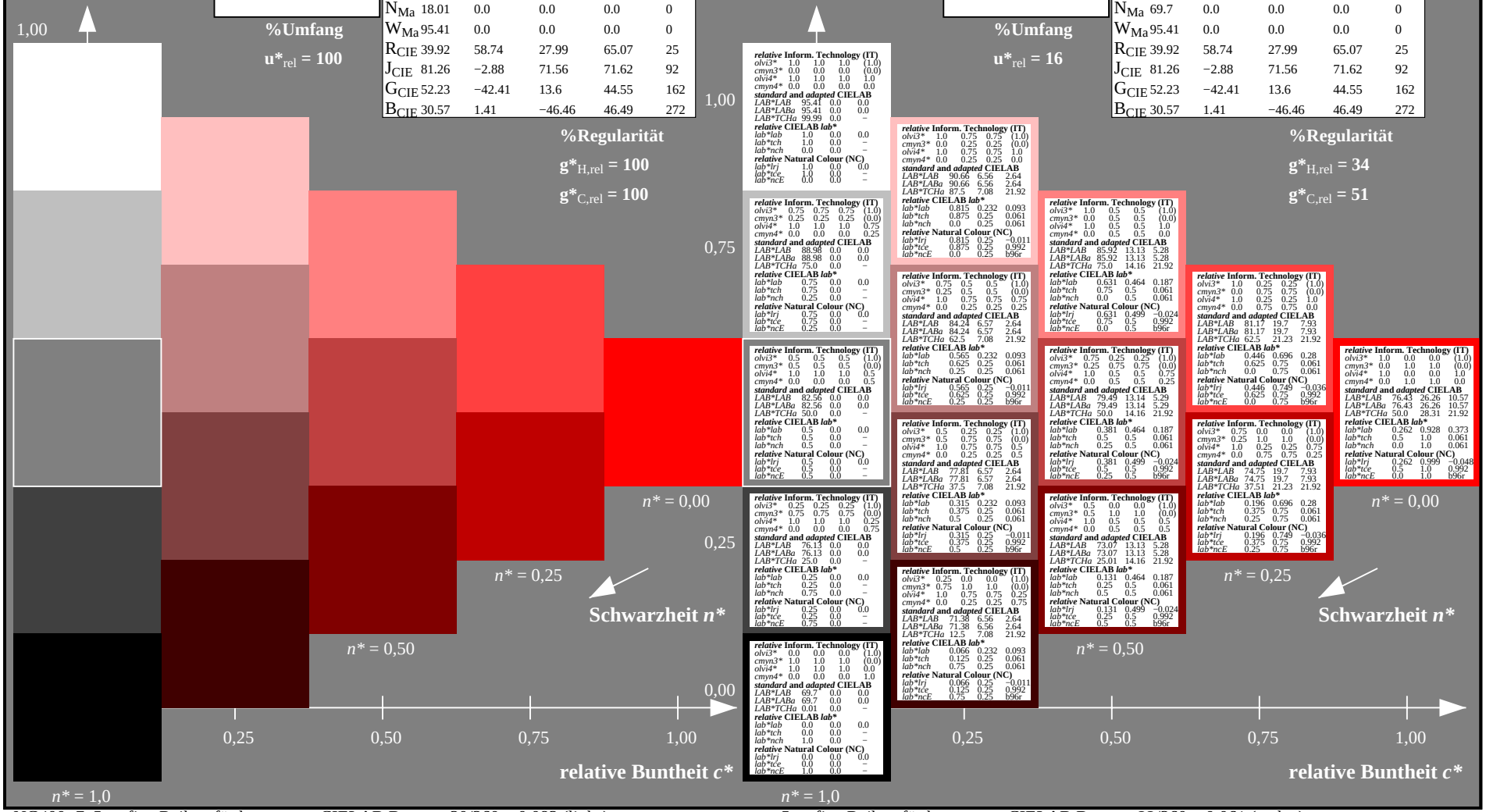
TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

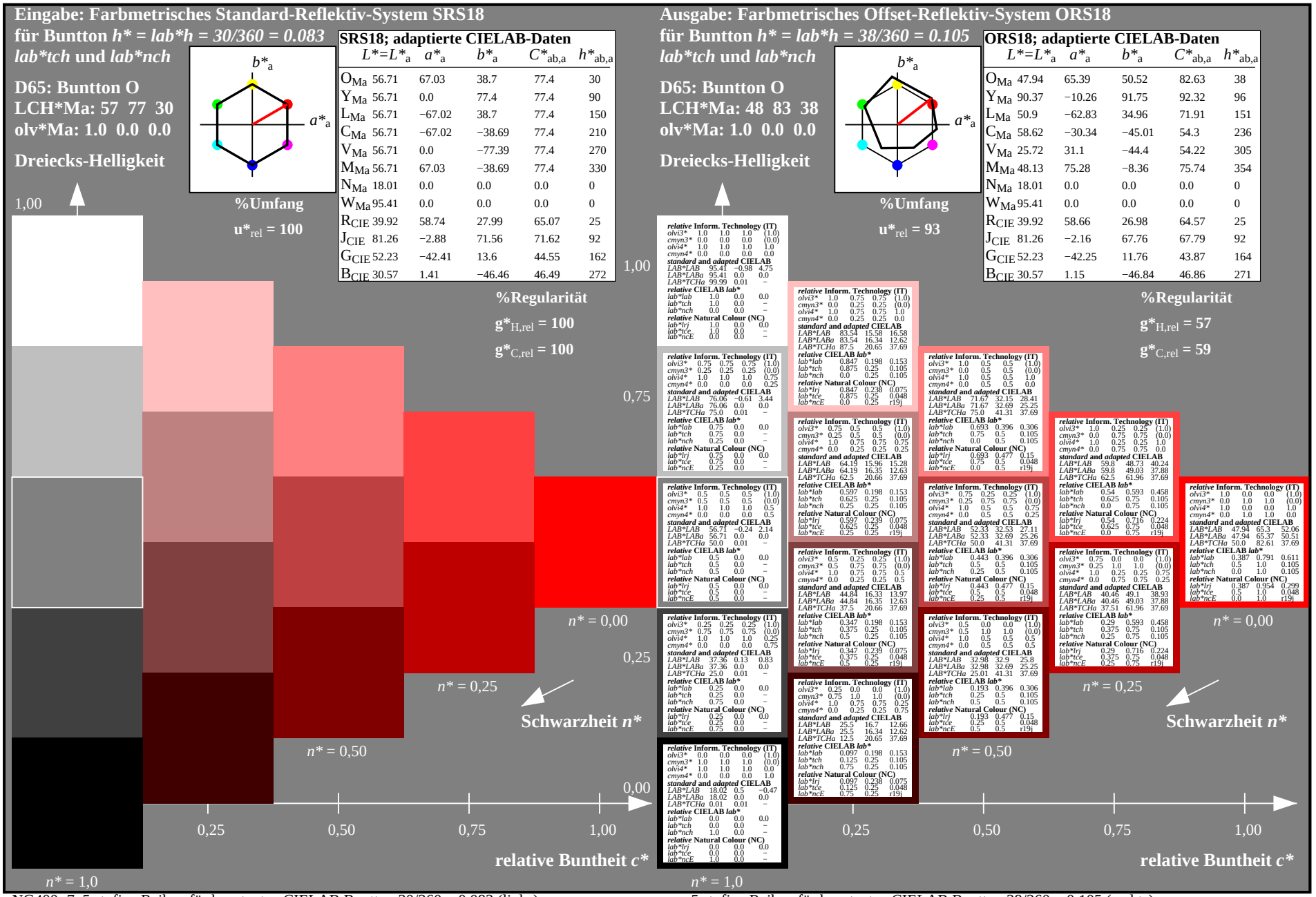
g*H,rel = 34

g*C,rel = 51



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)



SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

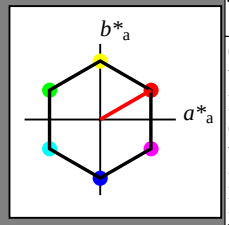
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

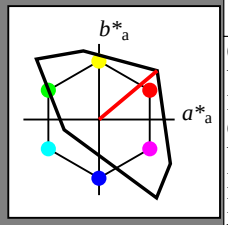
g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

Ausgabe: 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



%Umfang

u*$_{rel}$ = 158

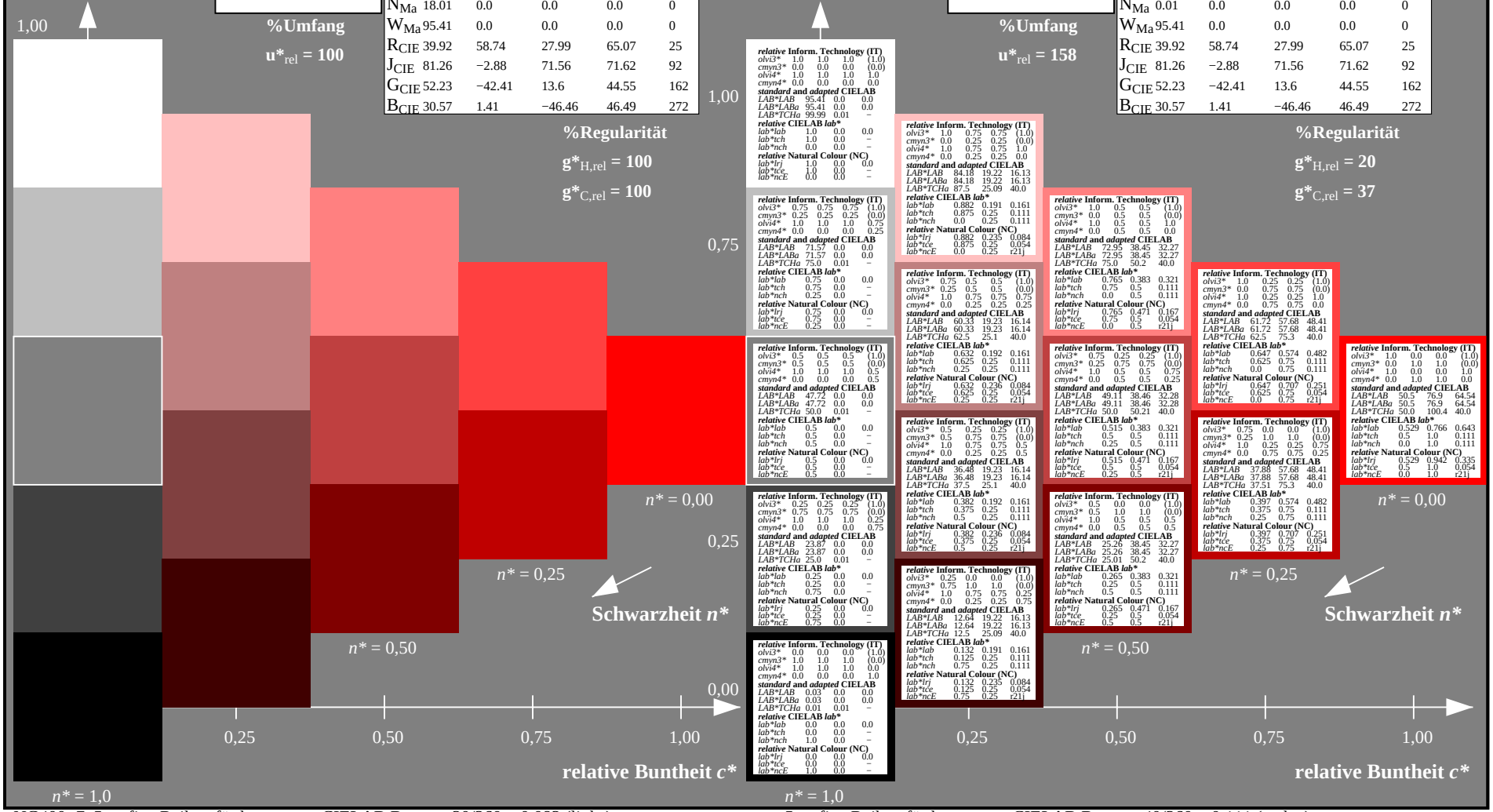
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



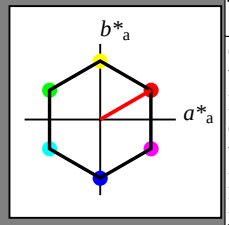
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

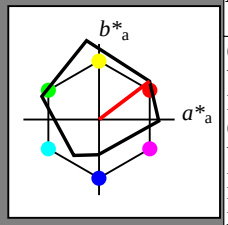
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

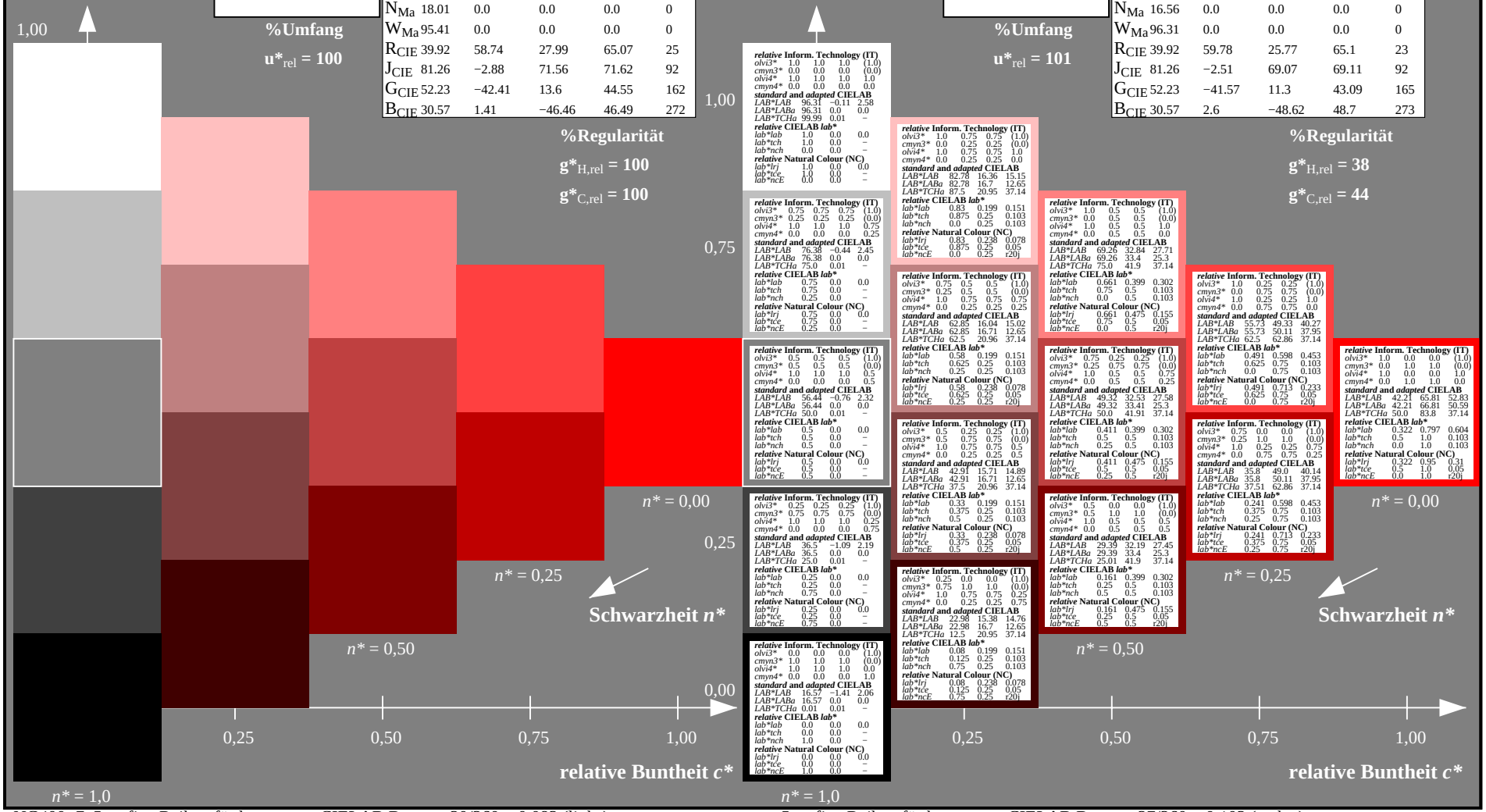


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



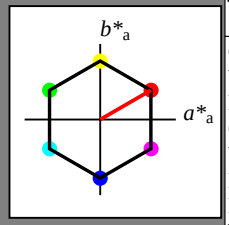
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

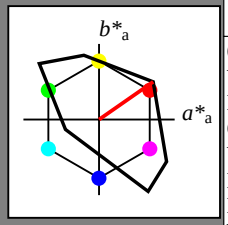
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

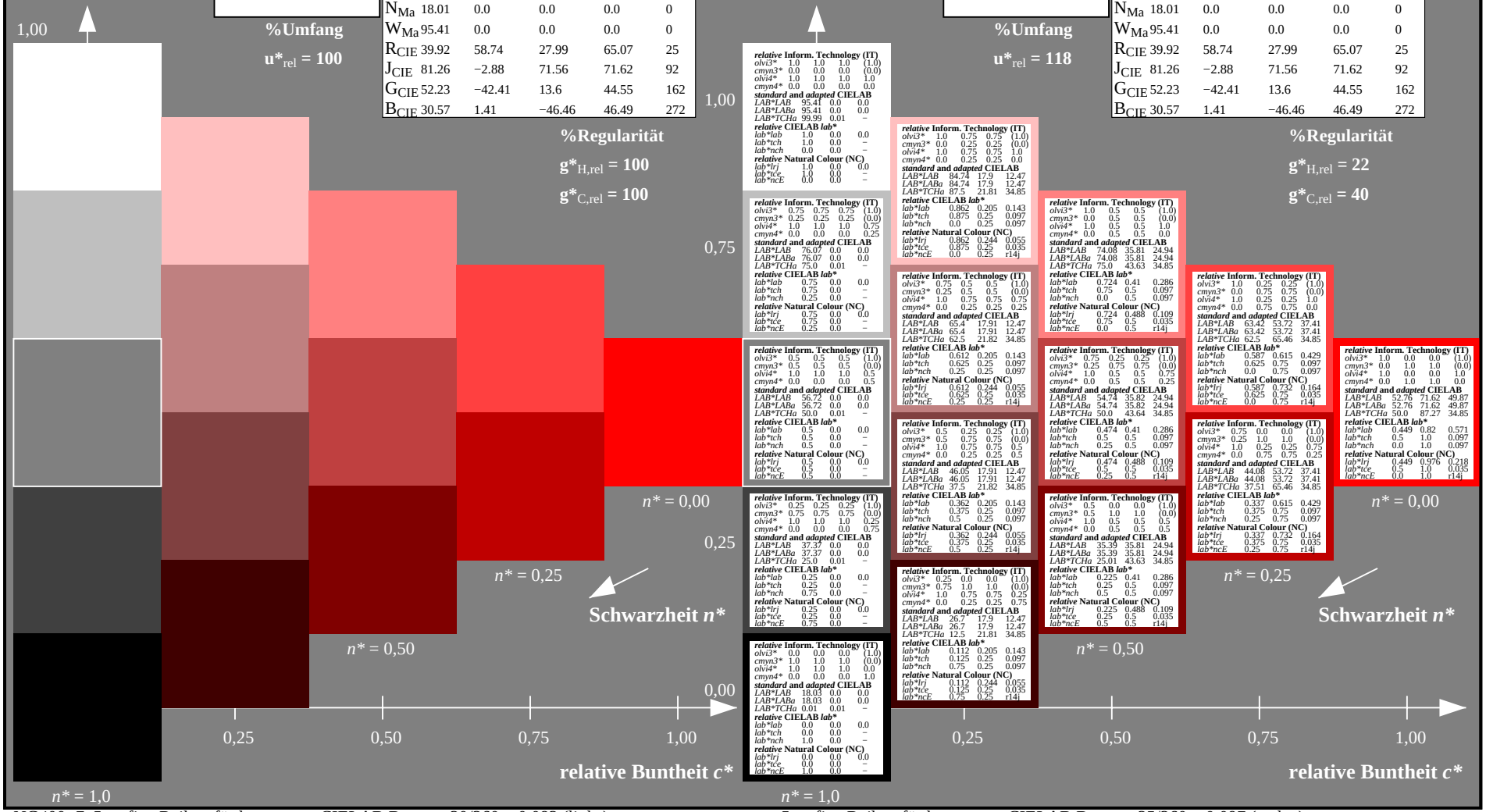


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



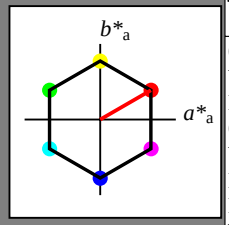
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

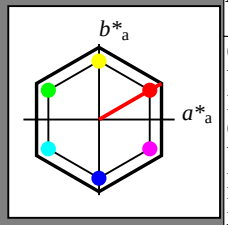
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 32 95 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

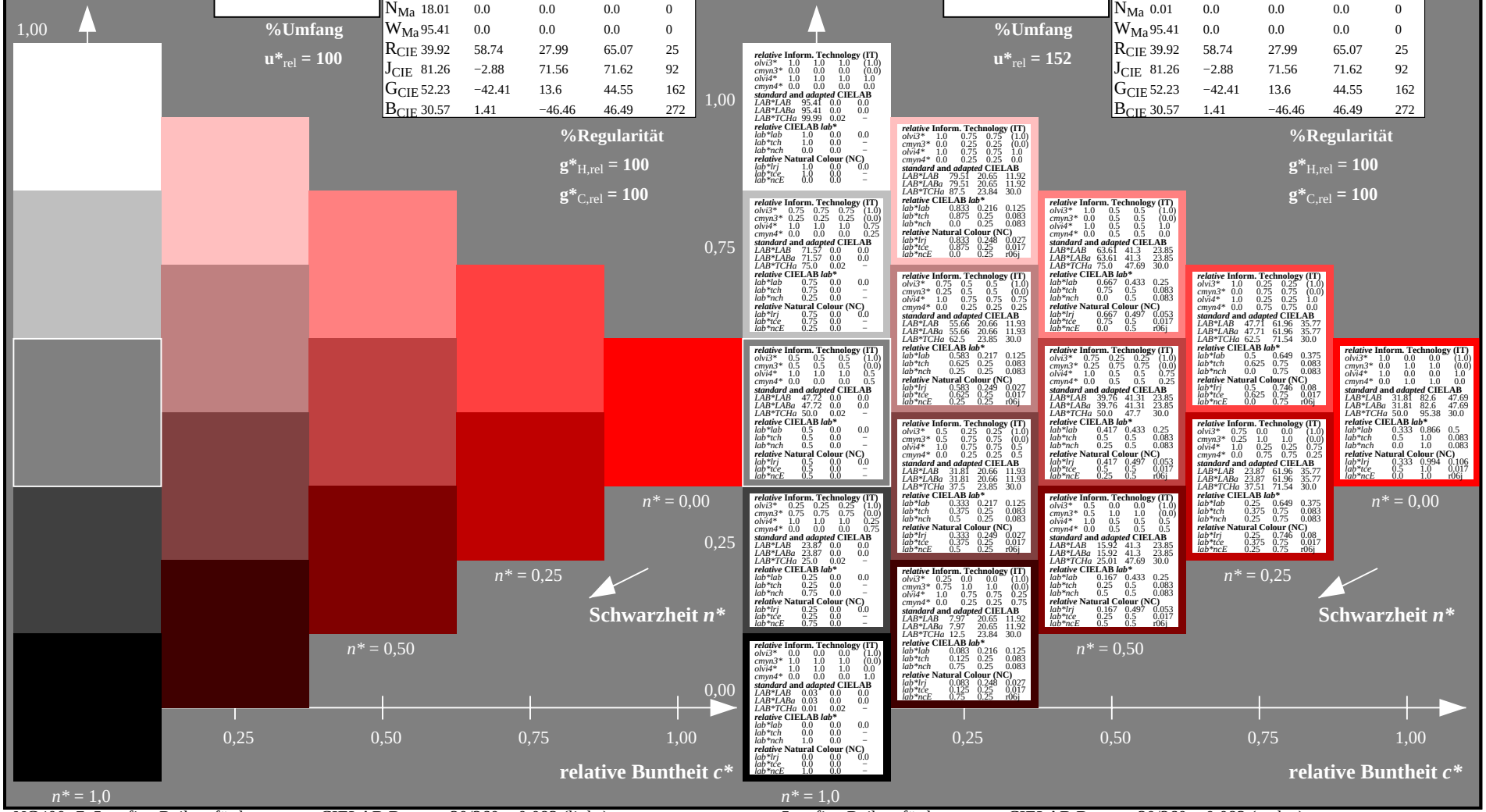


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



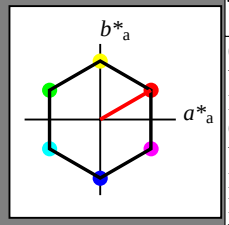
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

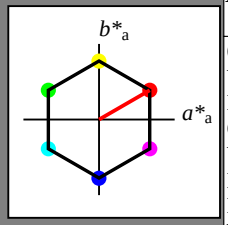
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

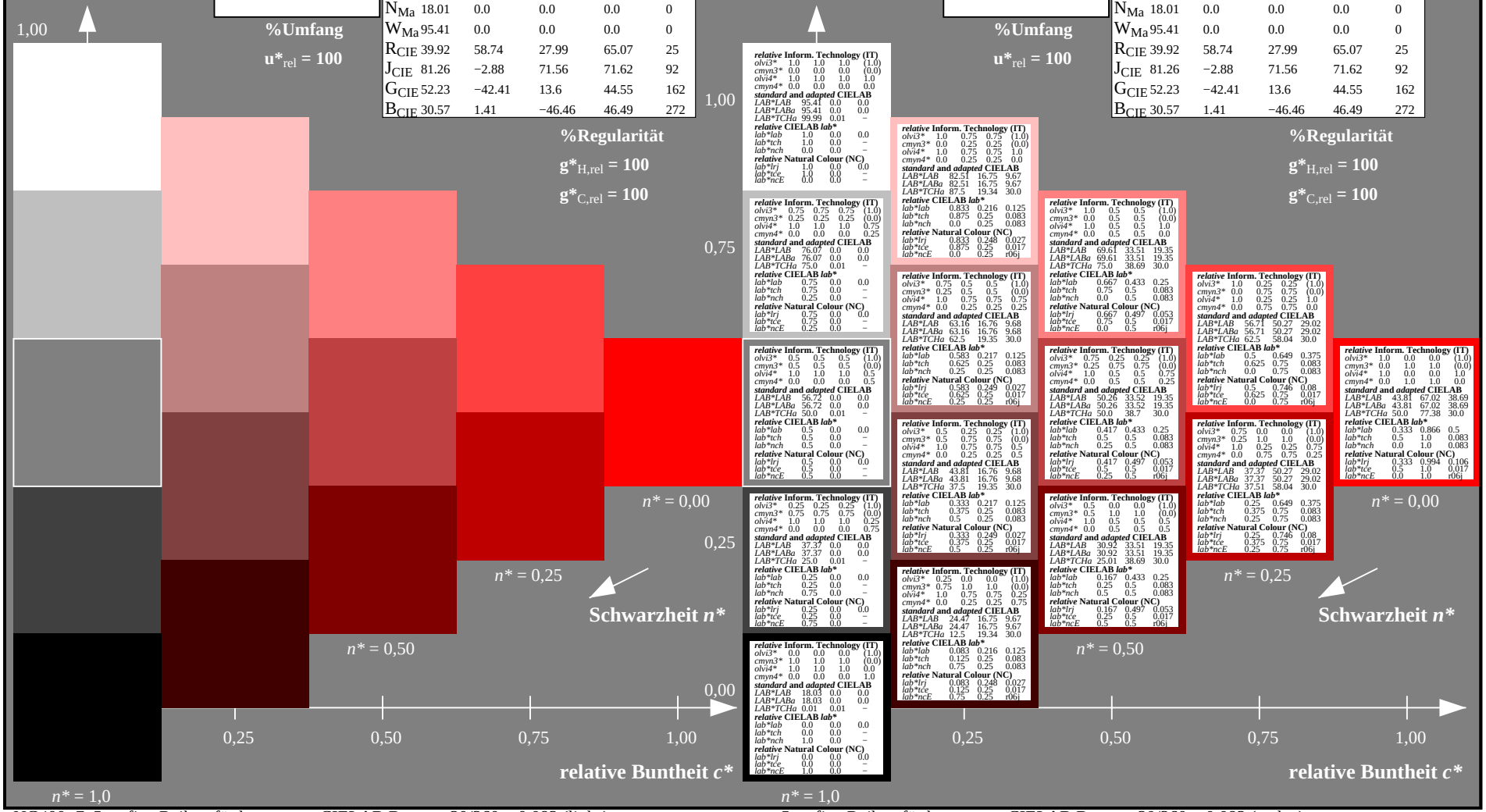


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



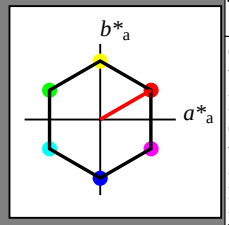
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

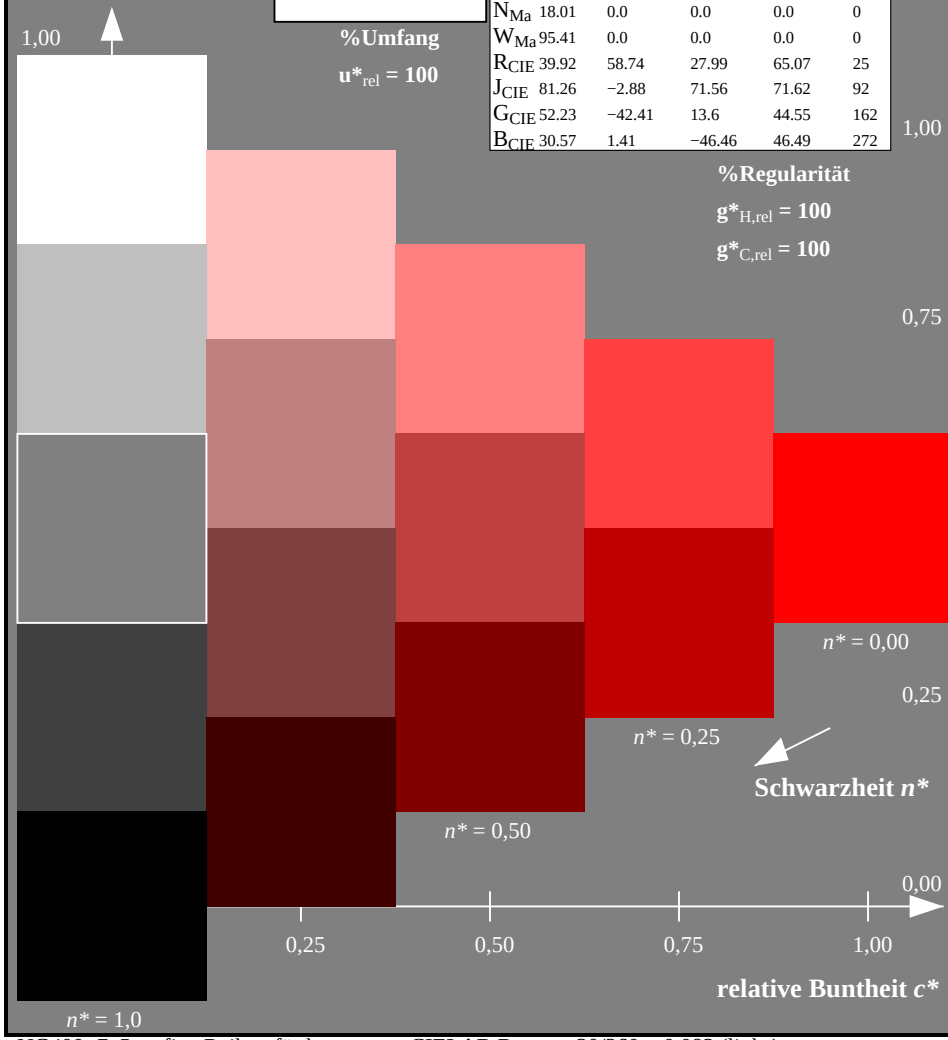
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

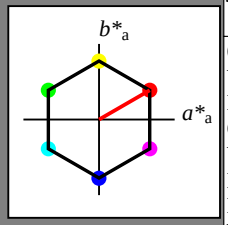


%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

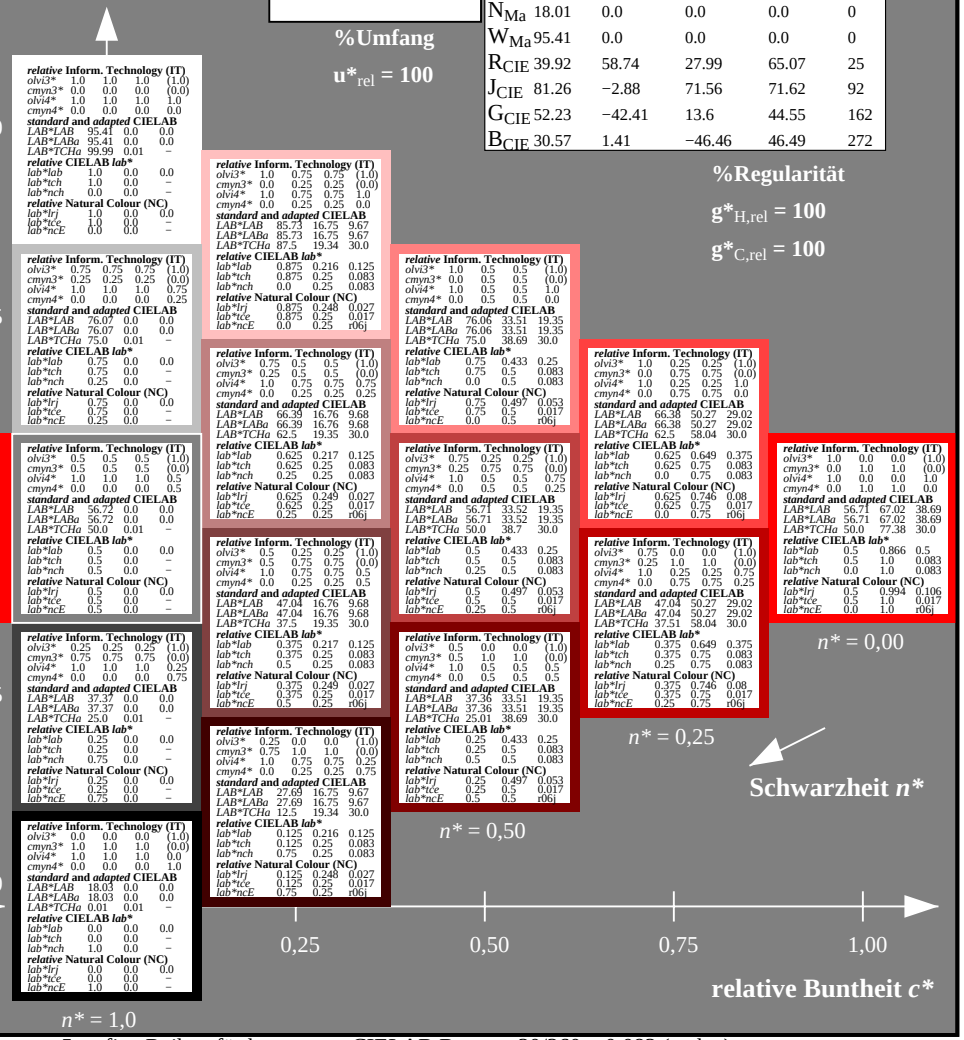
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



%Regularität
g*H,rel = 100
g*C,rel = 100

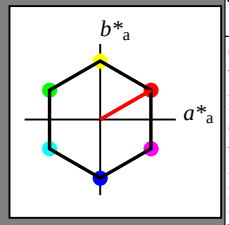
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

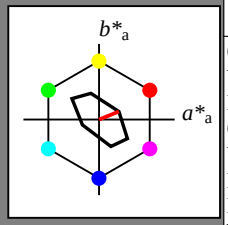
g*H,rel = 100

g*C,rel = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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**

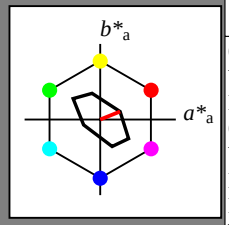
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton *h* = lab*h = 22/360 = 0.061*
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0



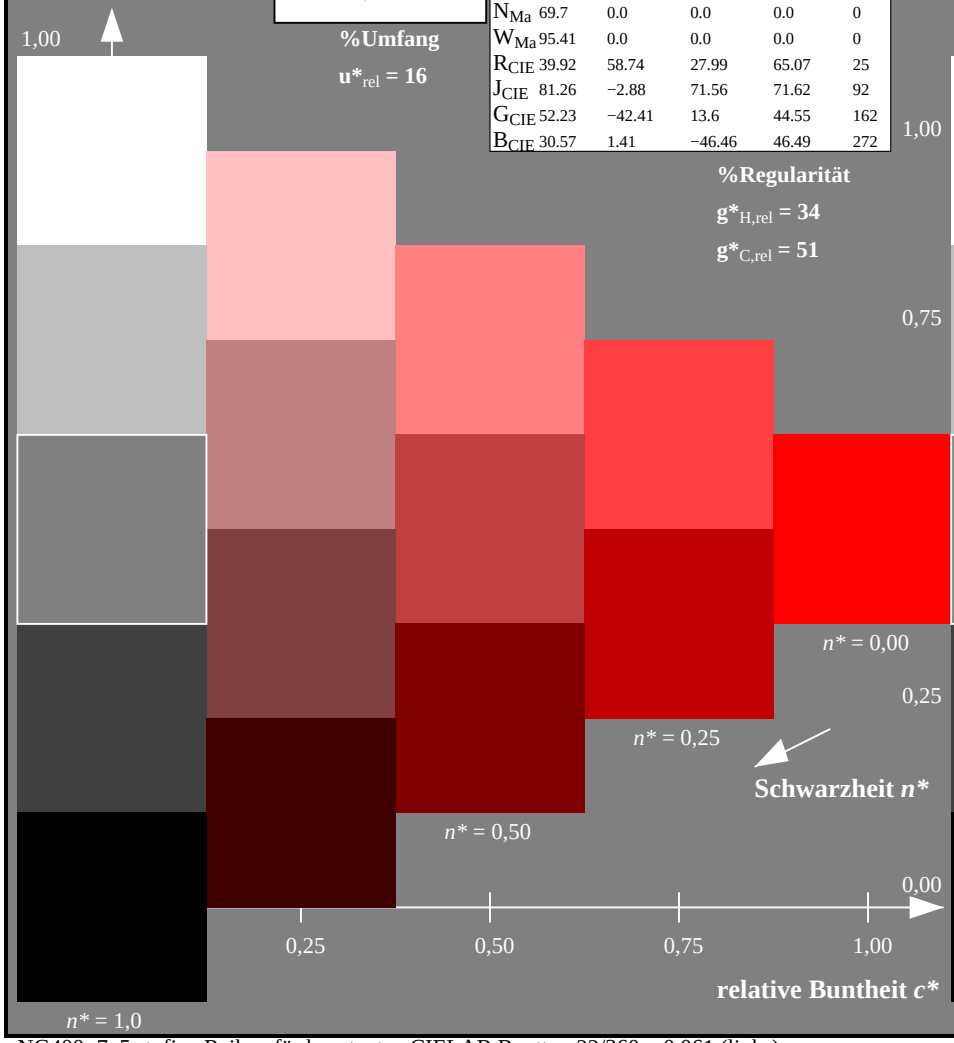
%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

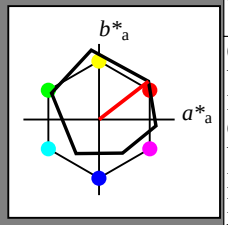
Dreiecks-Helligkeit



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



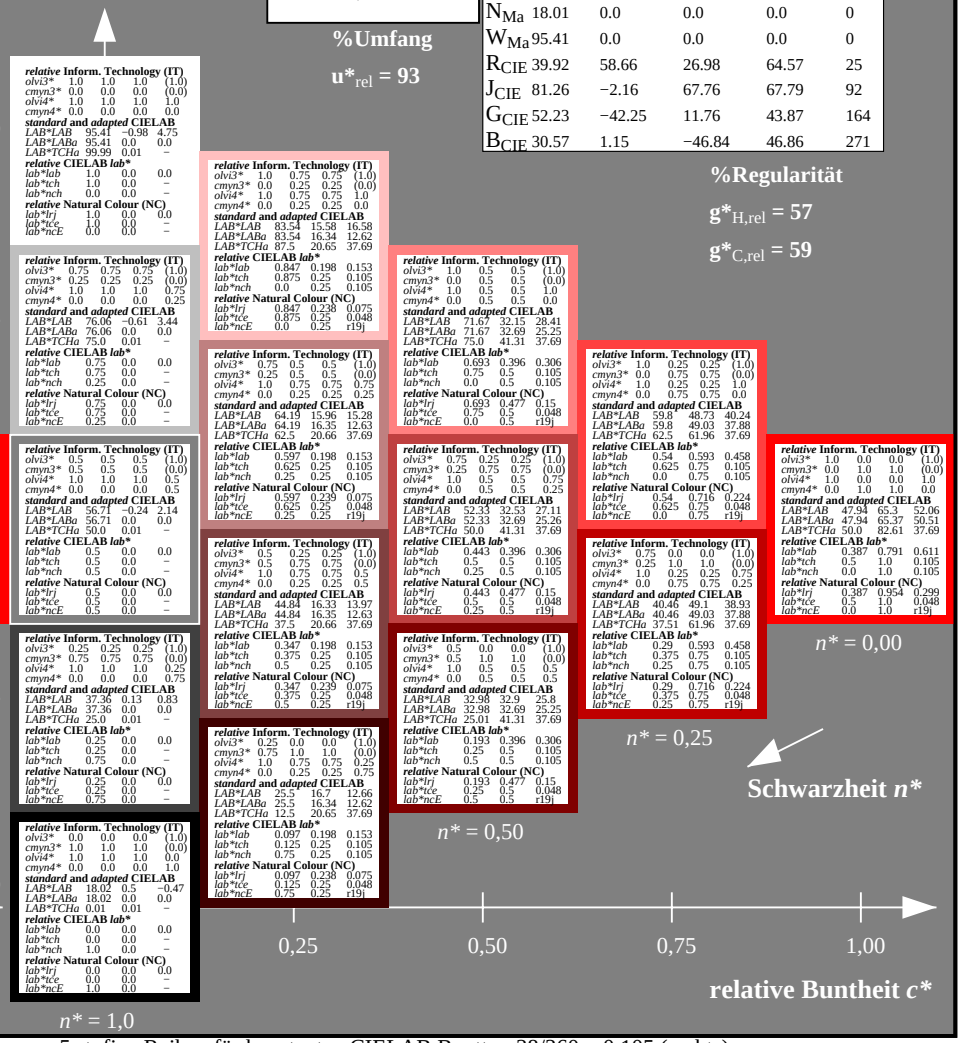
%Umfang
u^*_{rel} = 93

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

Dreiecks-Helligkeit



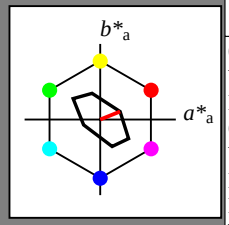
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

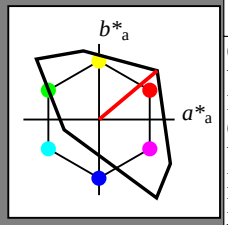
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: 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

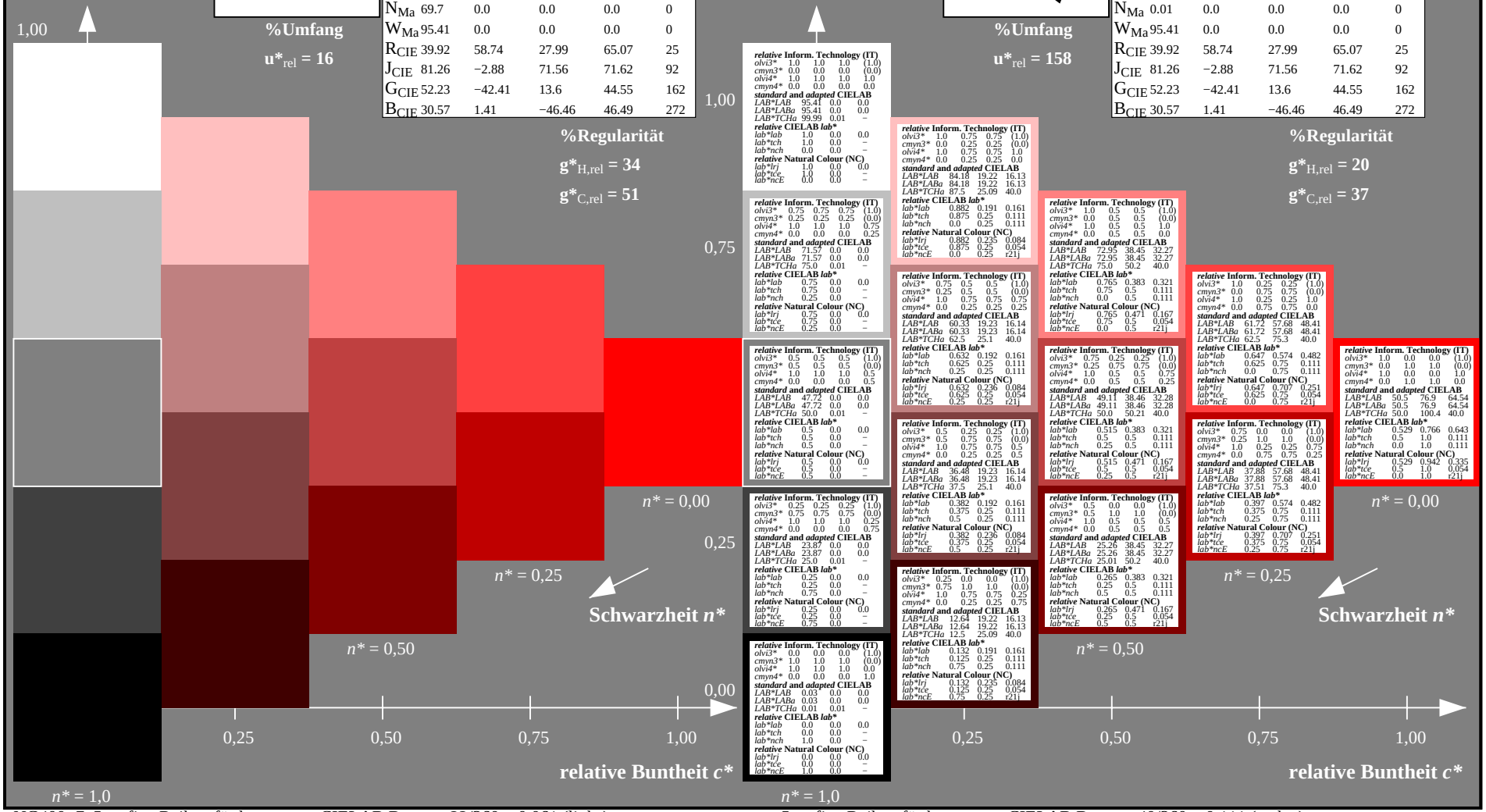


%Umfang
u^*_{rel} = 158

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



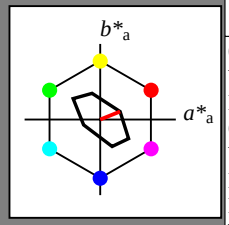
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

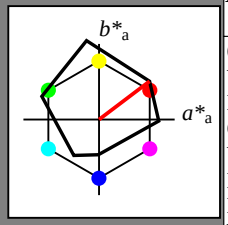
g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 37/360 = 0.103***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 42 84 37
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

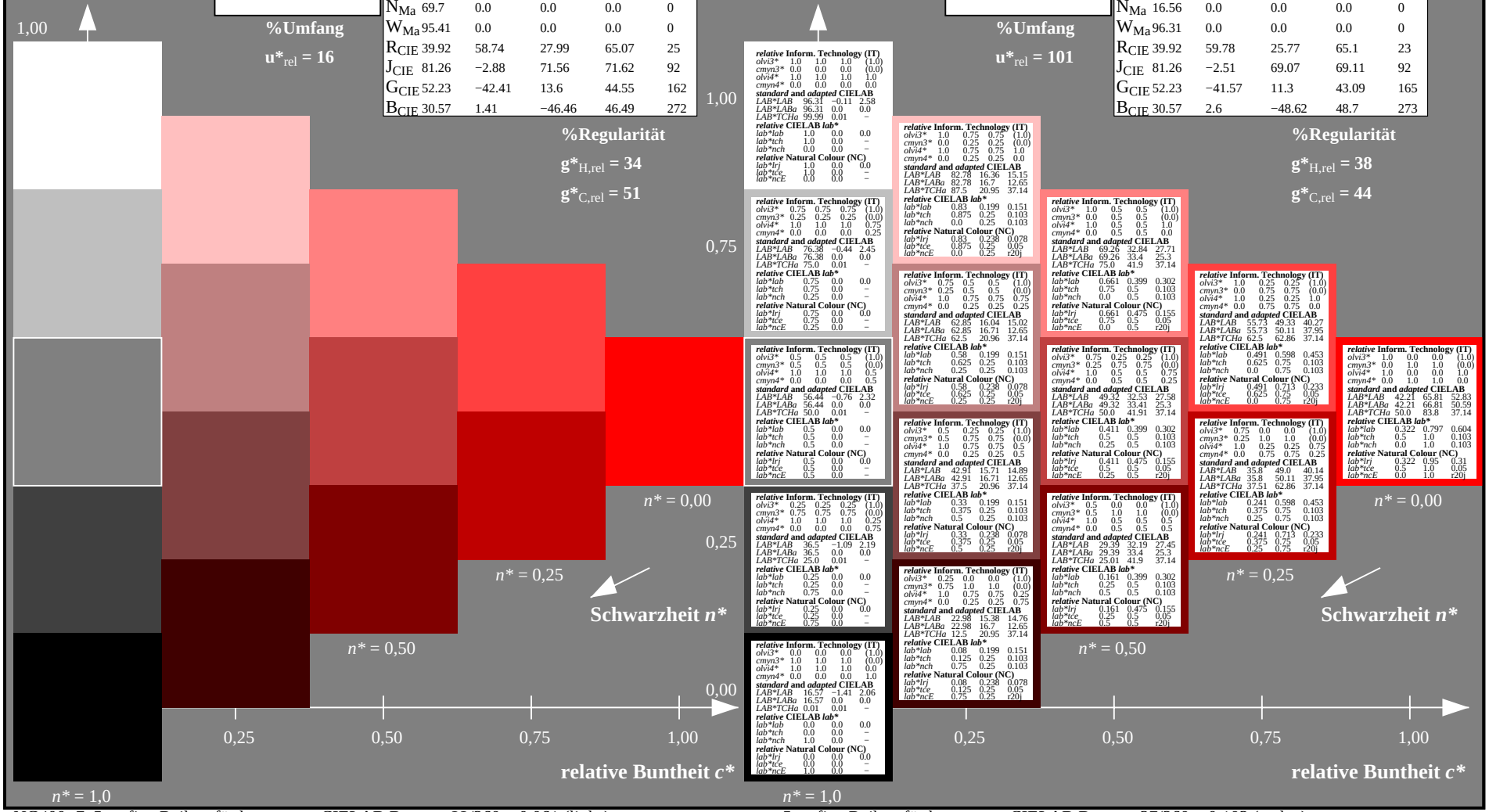
DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44



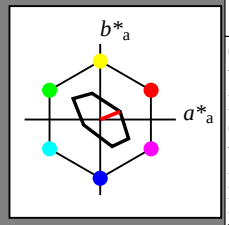
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

5 stufige Reihen für konstanten CIELAB Buntton 37/360 = 0.103 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

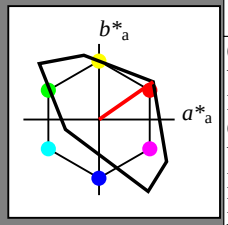
g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 35/360 = 0.097***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

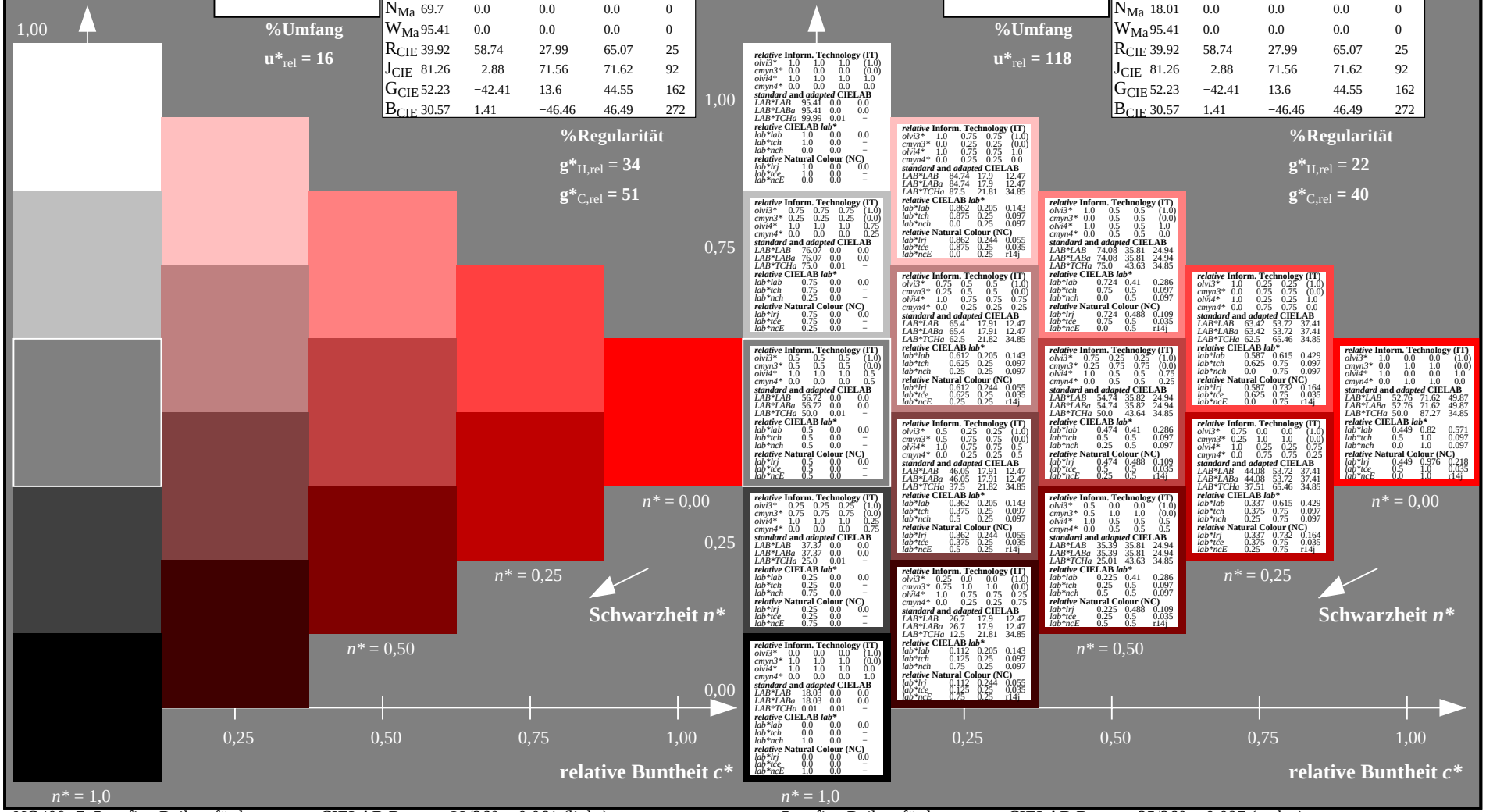
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

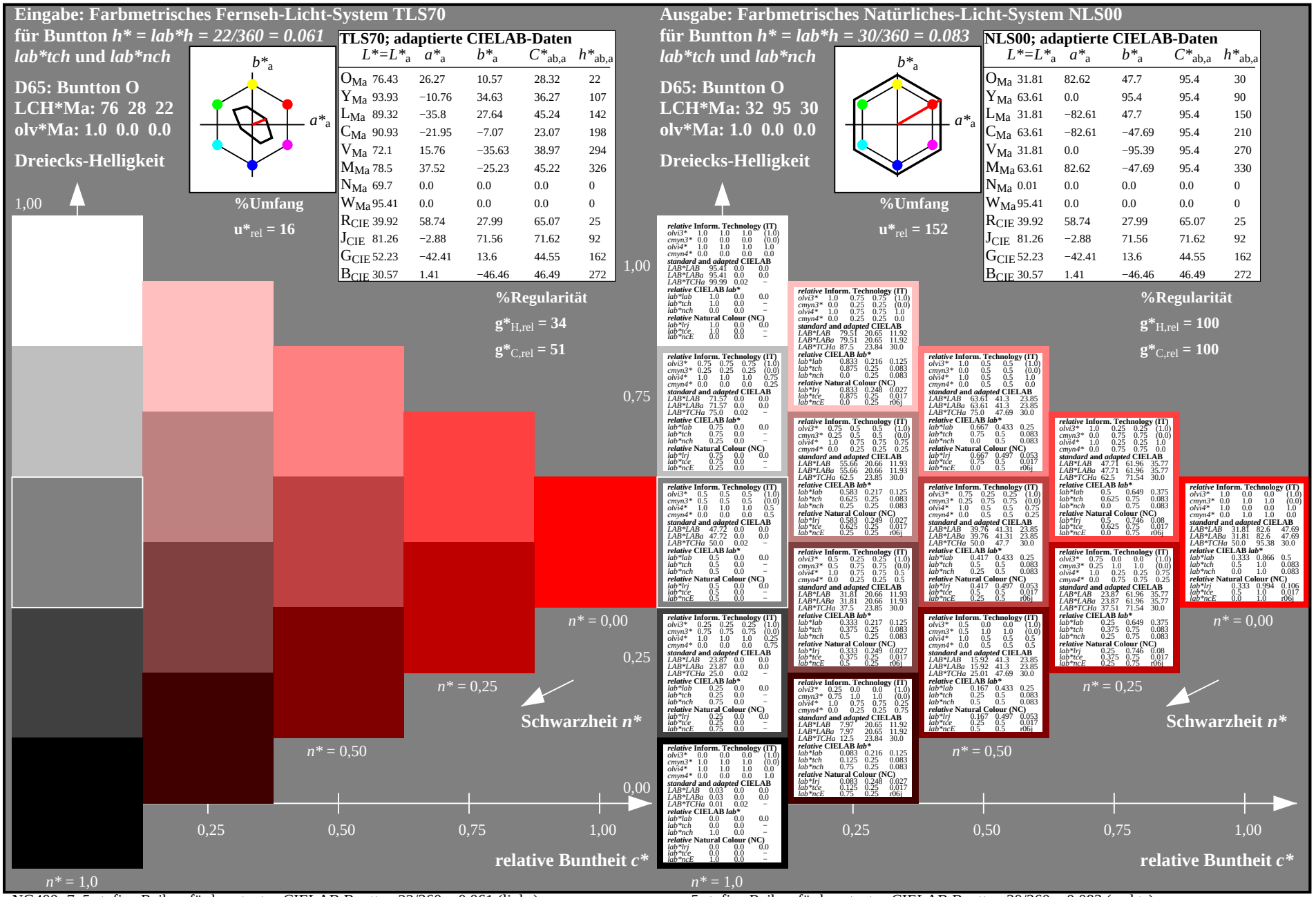
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)



TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

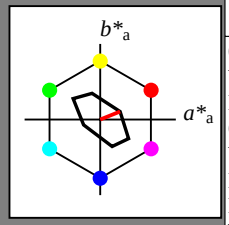
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

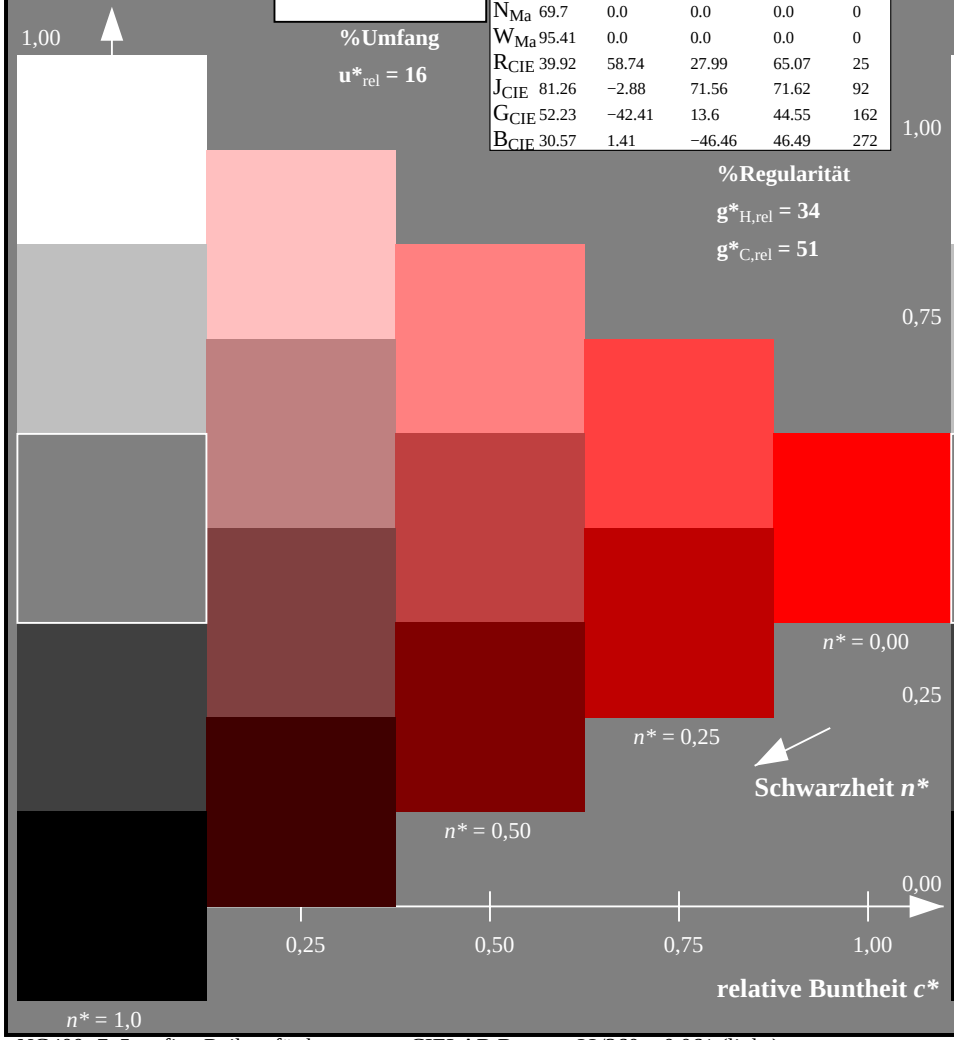
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

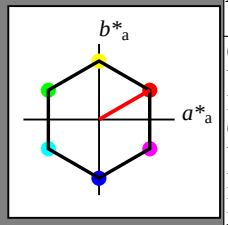
g*$_{C,rel}$ = 51



Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 44 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

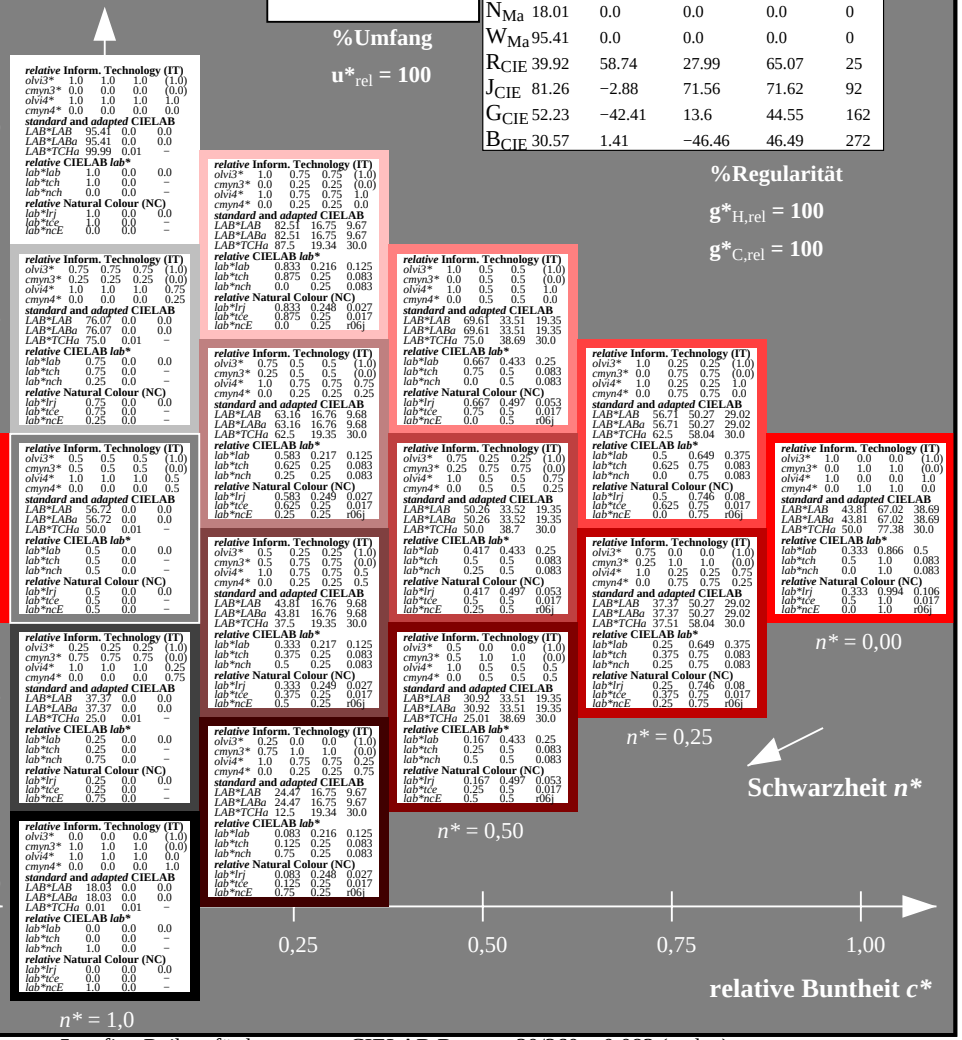
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100



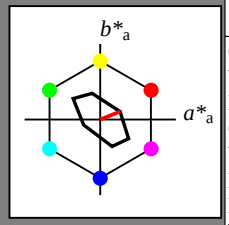
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

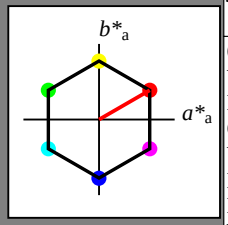
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 30/360 = 0.083***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

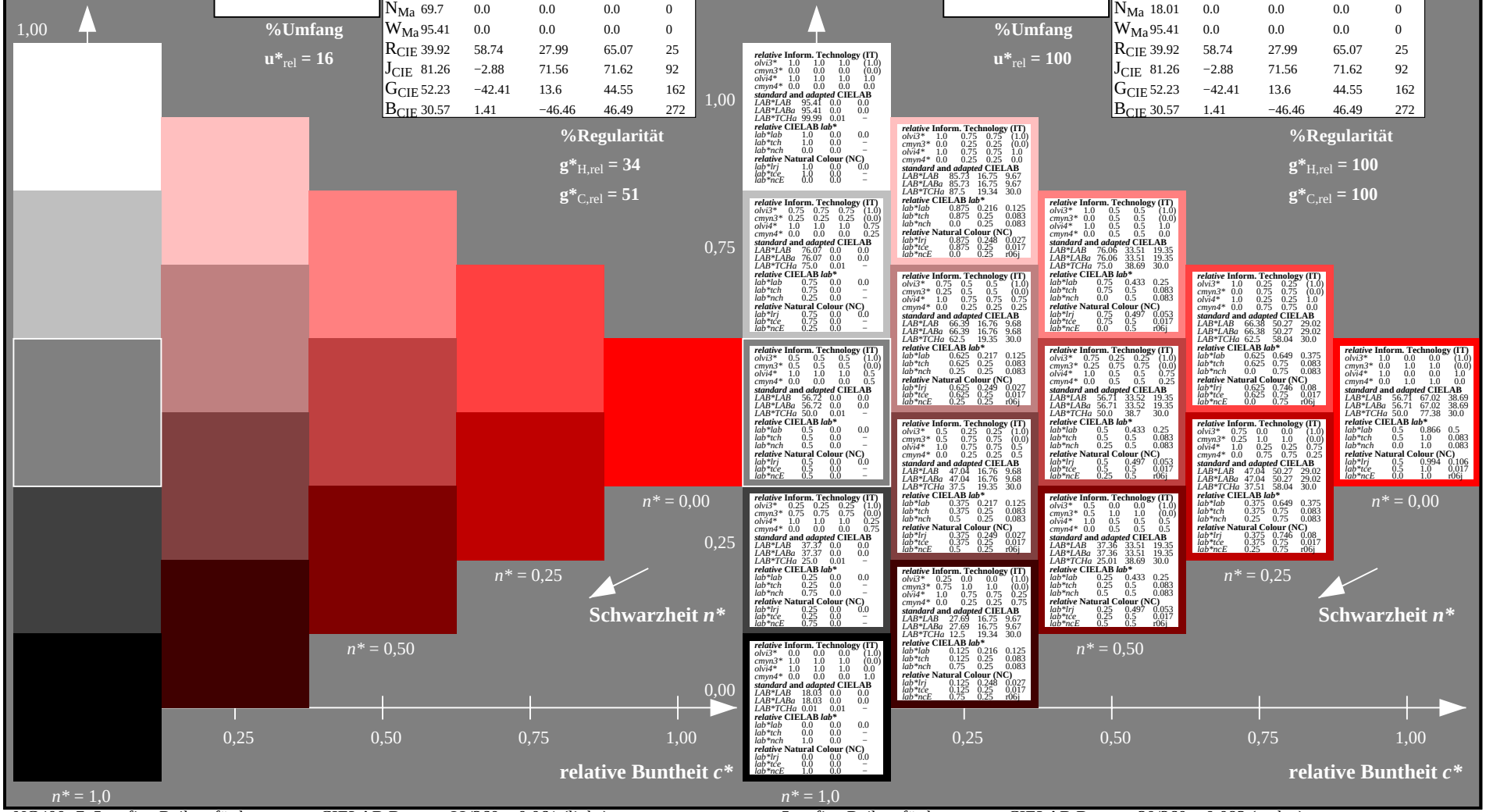


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



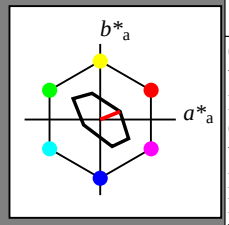
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

1,00

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

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

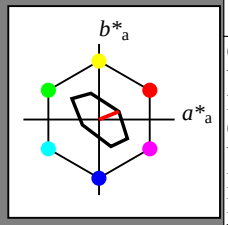
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

1,00

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

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

Schwarzheit *n**

relative Buntheit *c**

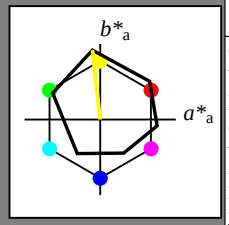
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

5 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

Eingabe: 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



%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

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

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

Schwarzheit *n**

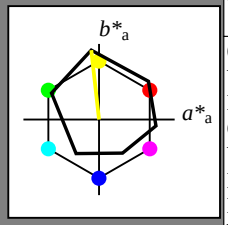
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18
für Buntton *h = lab*h = 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



%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**

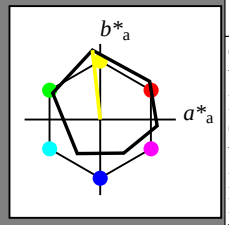
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: 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



%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

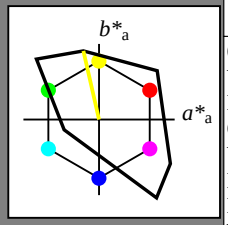
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Ausgabe: 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

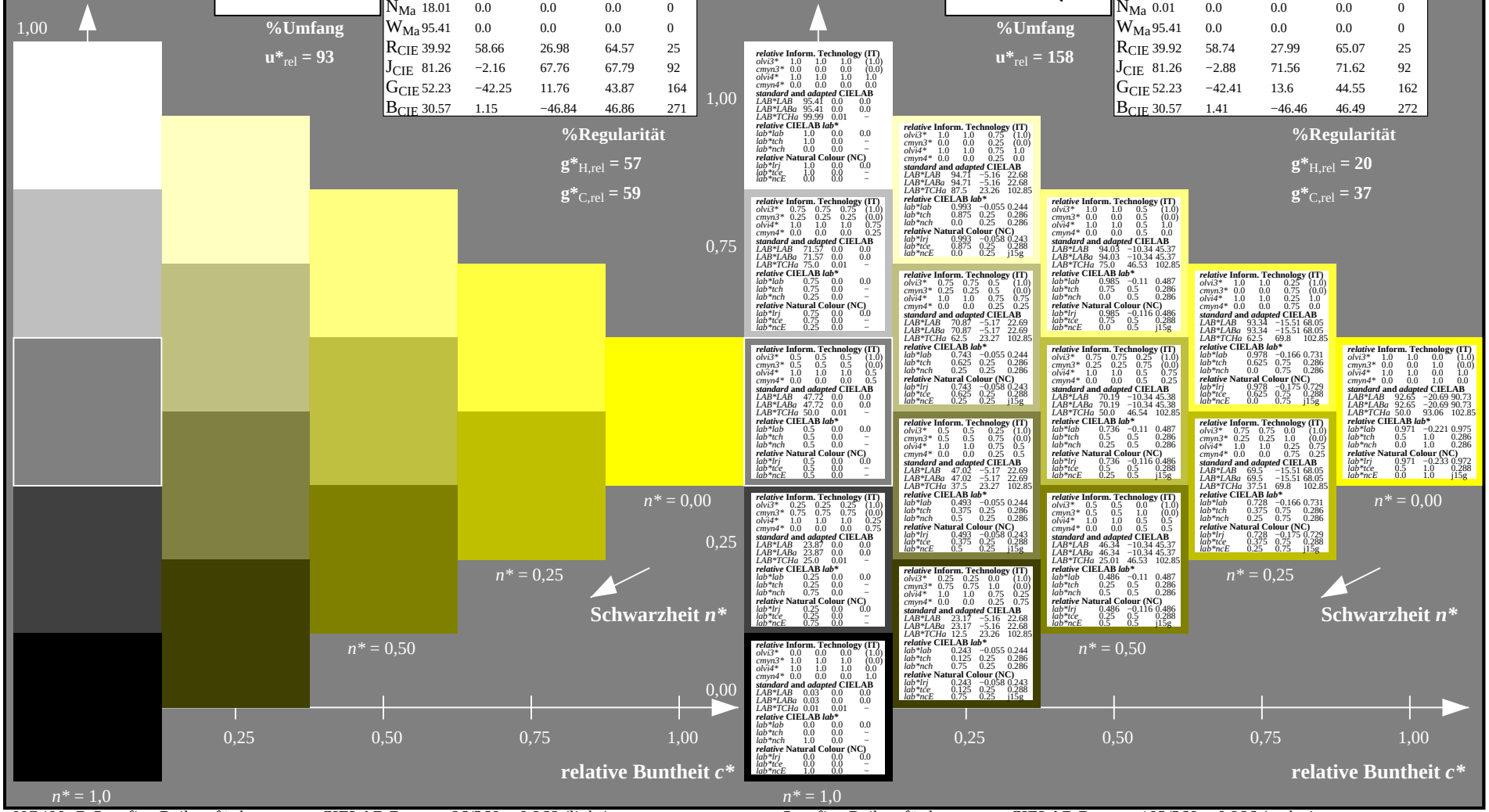


%Umfang
u^*_{rel} = 158

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



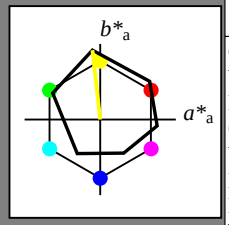
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

Eingabe: 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



%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

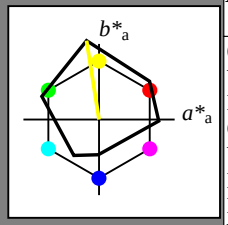
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 99/360 = 0.275***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

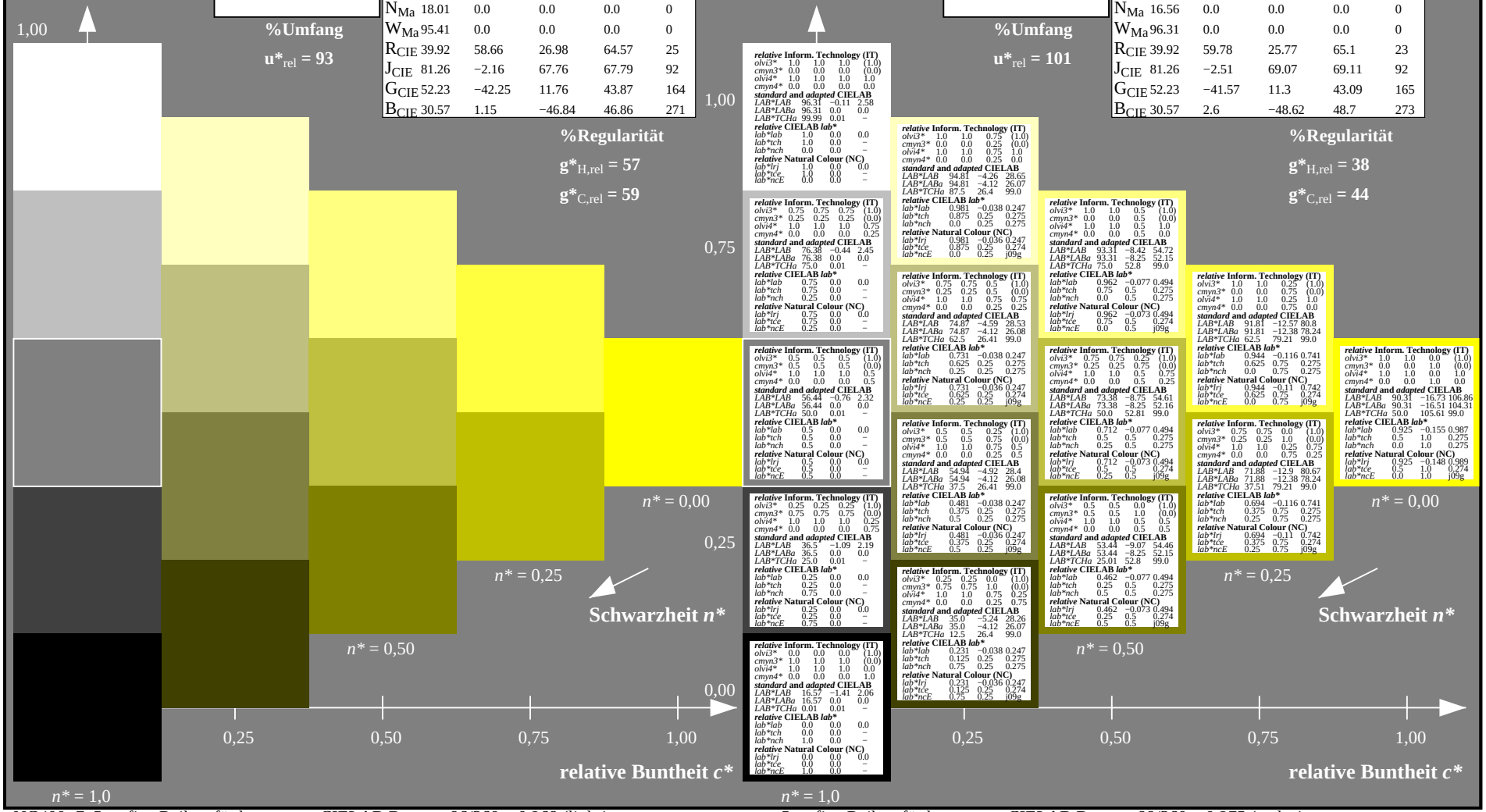


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



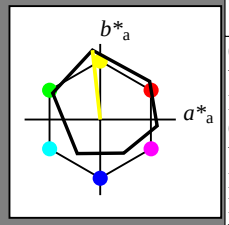
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

Eingabe: 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



%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

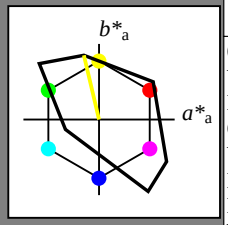
g*$_{H,rel}$ = 57

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 103/360 = 0.287***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

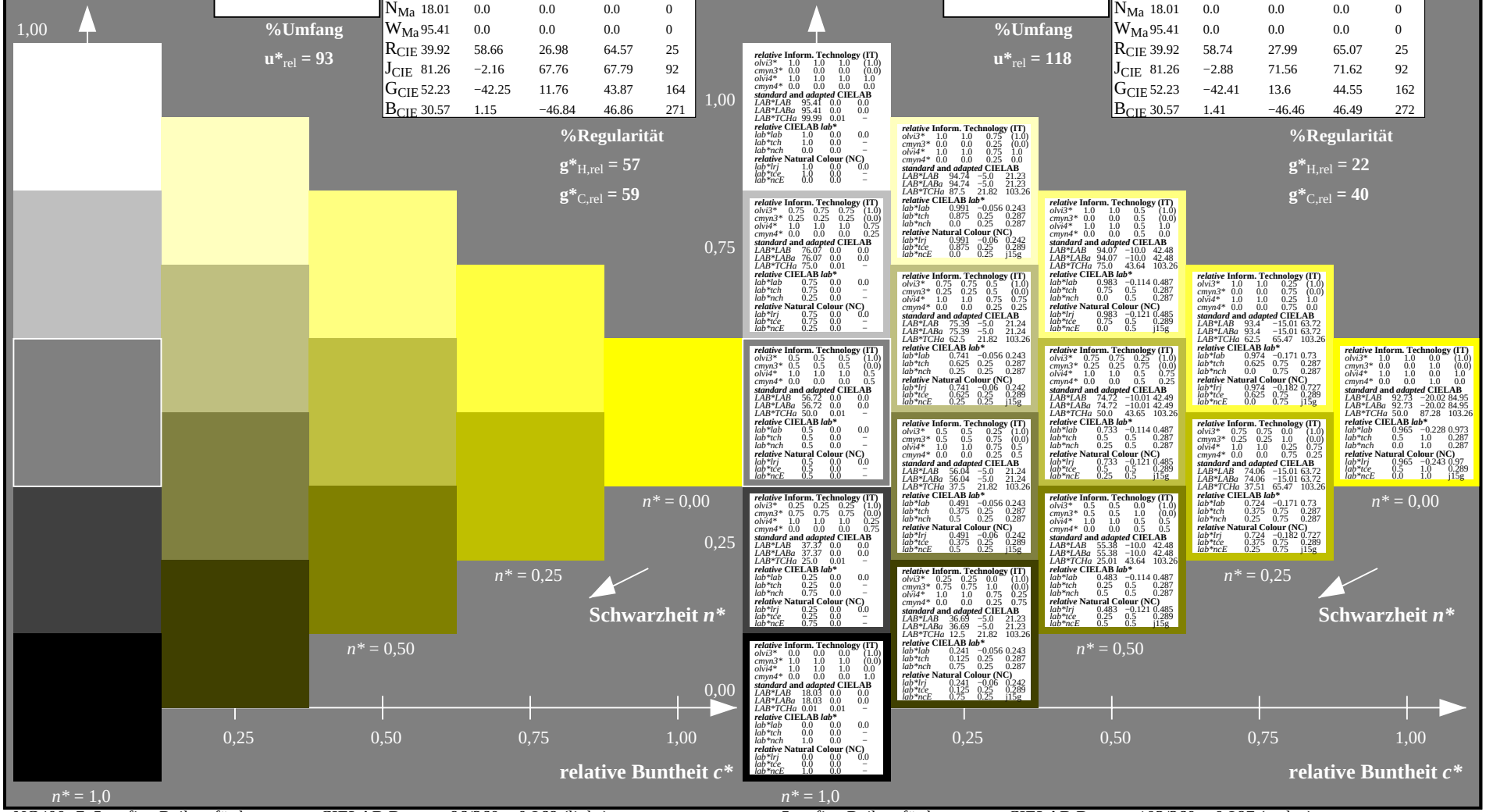
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

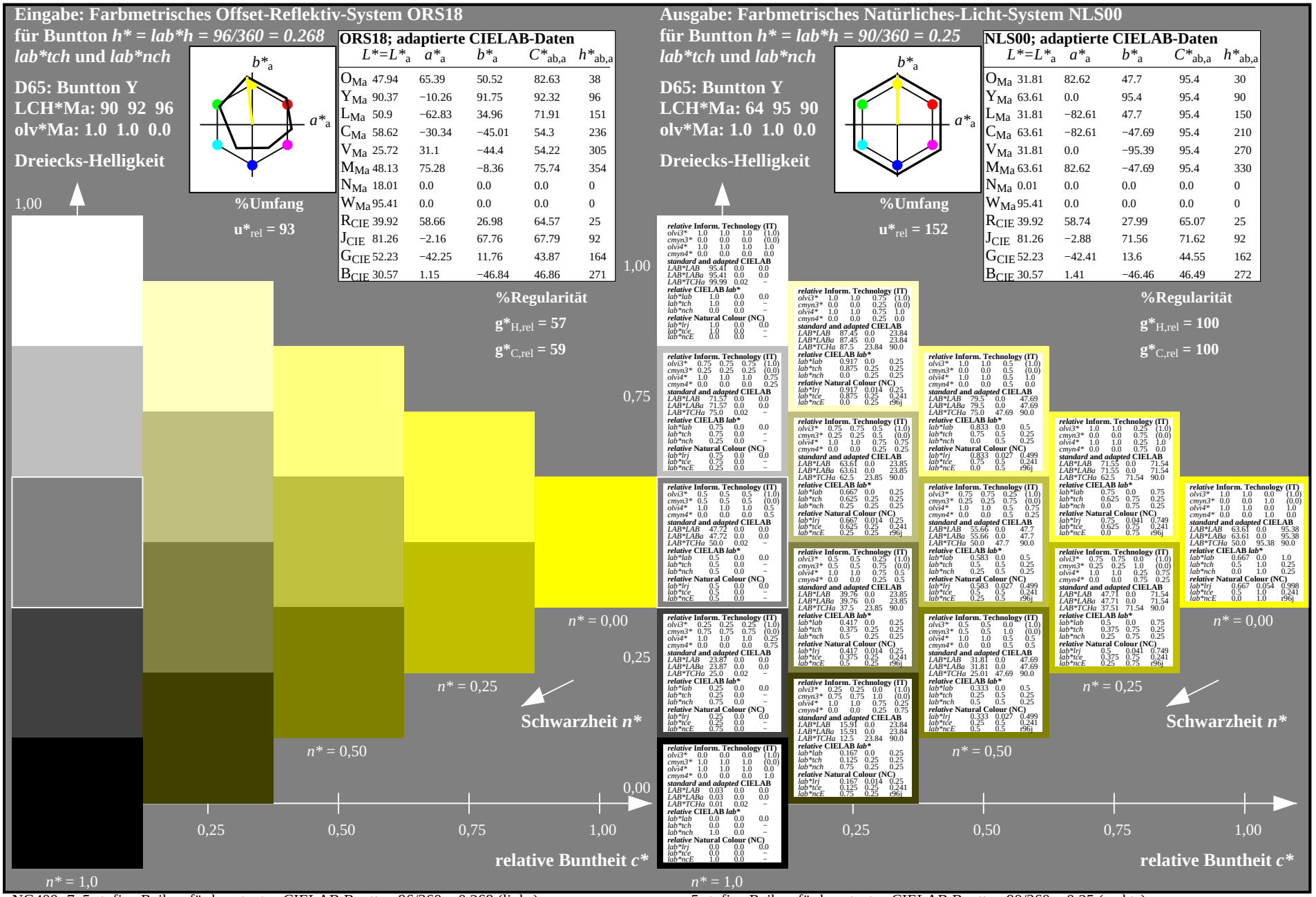
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)



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

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

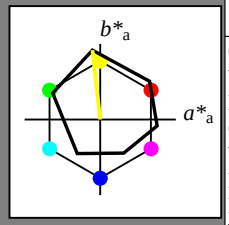
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: 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



%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

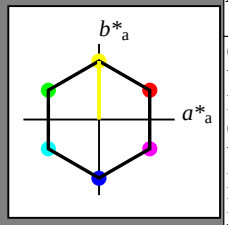
g*$_{H,rel}$ = 57

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

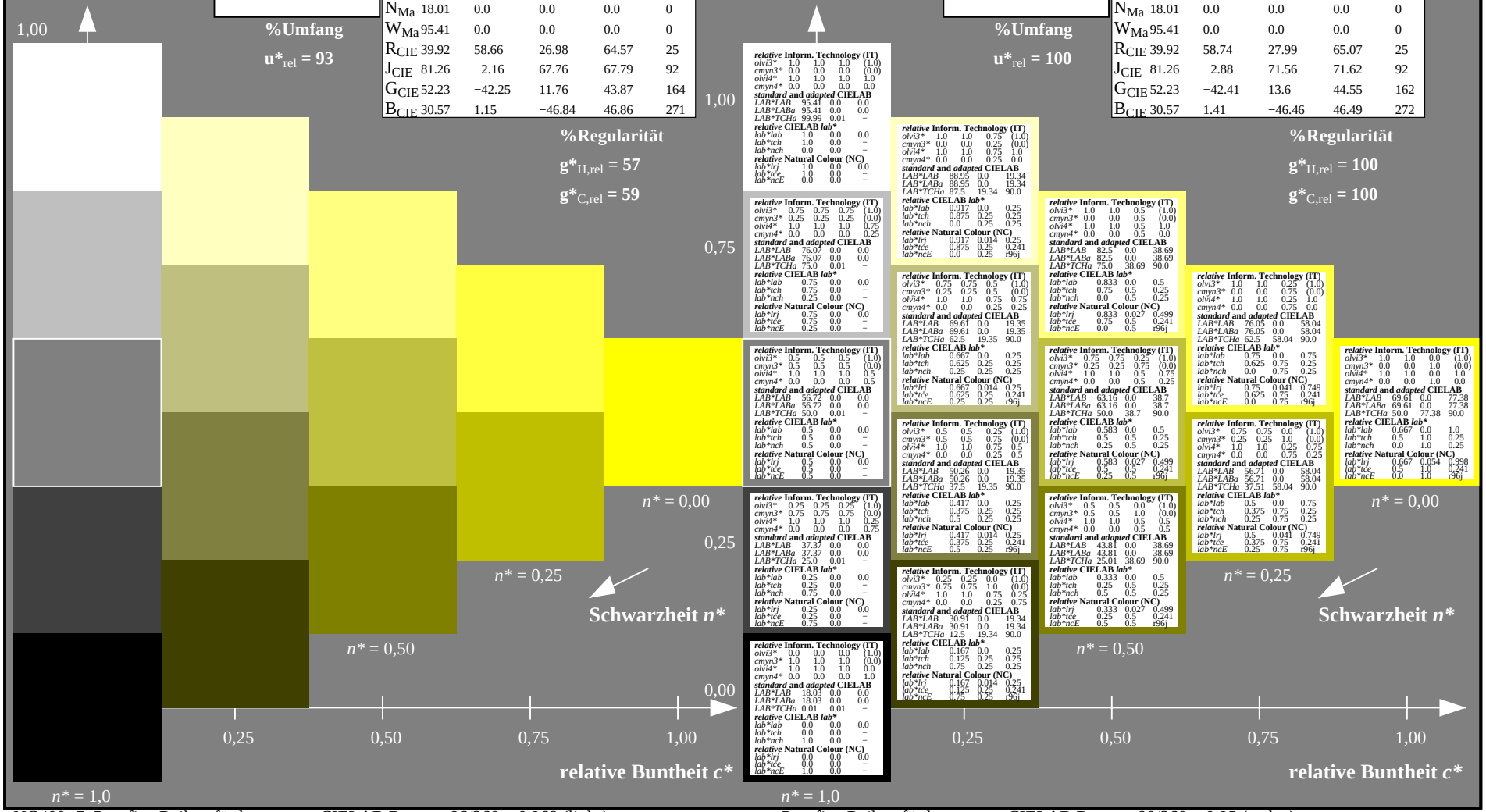
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100



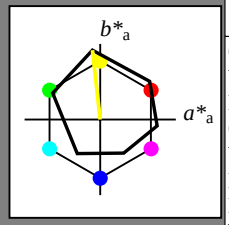
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: 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



%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

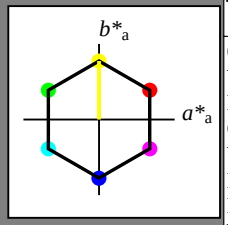
g*$_{H,rel}$ = 57

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

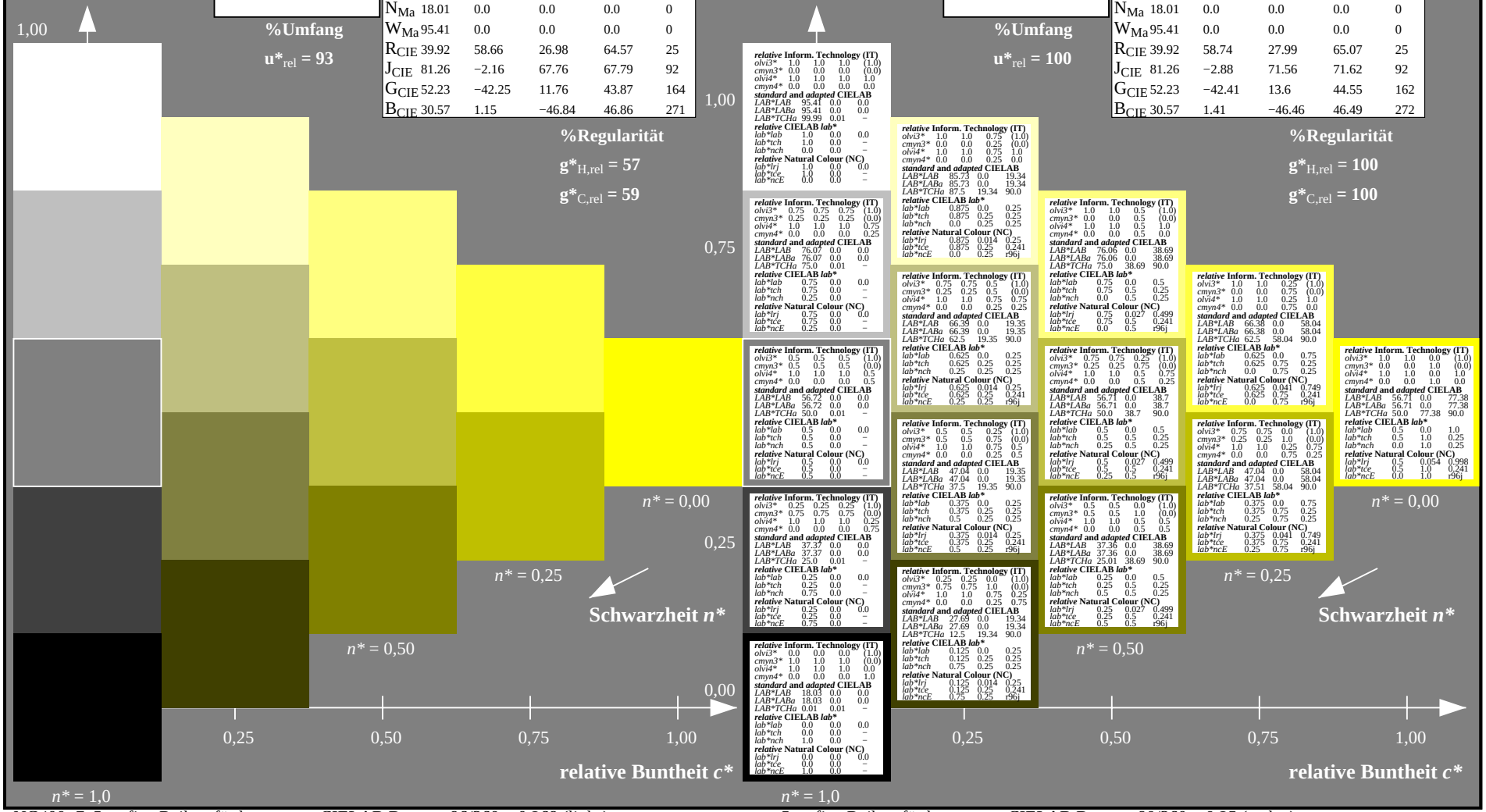
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100



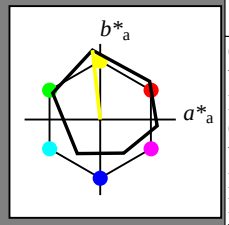
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: 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



%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

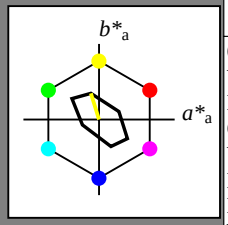
g*$_{H,rel}$ = 57

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

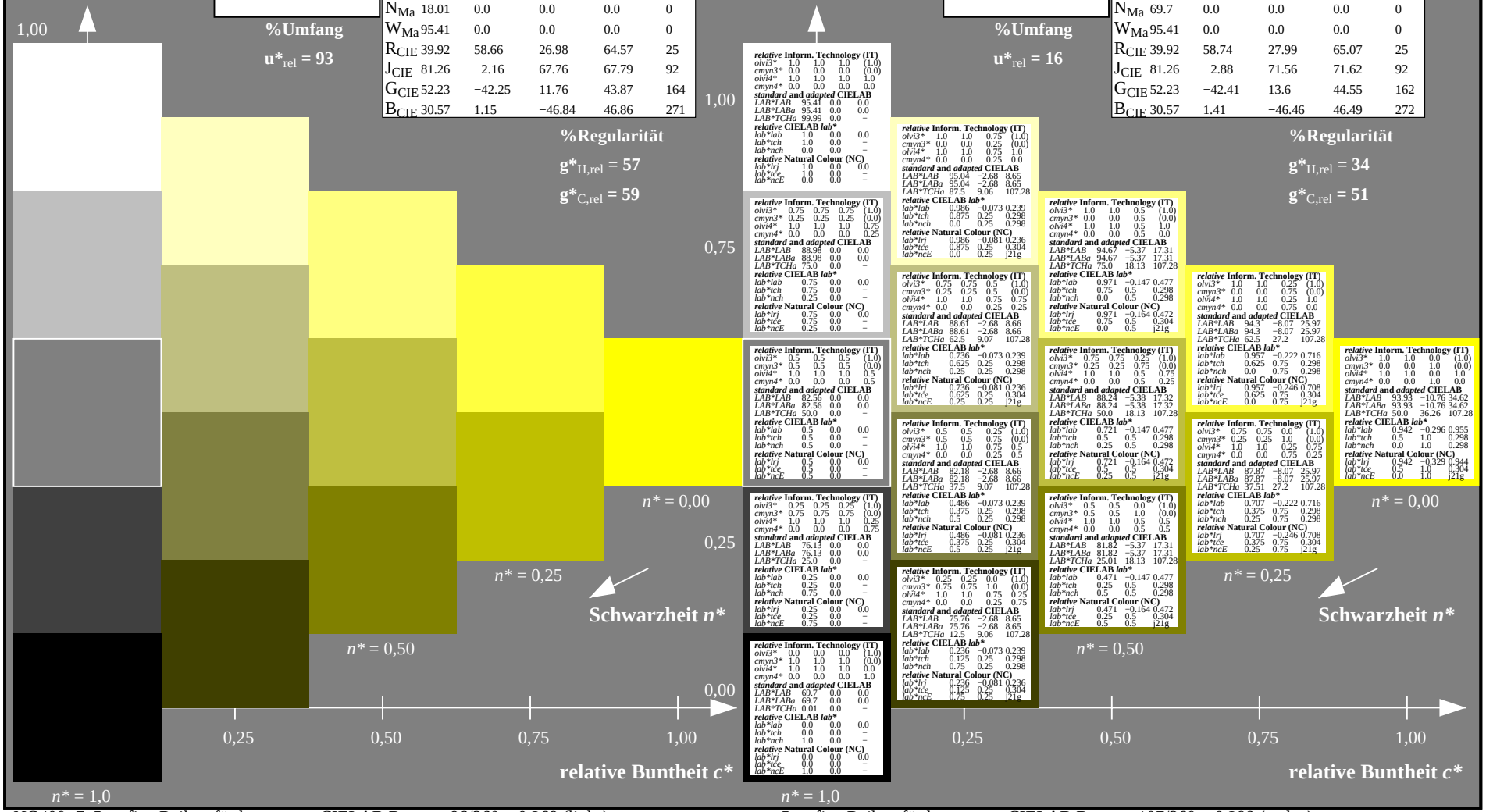
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51



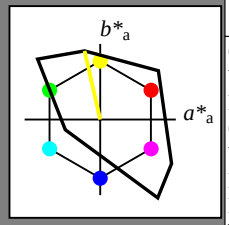
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

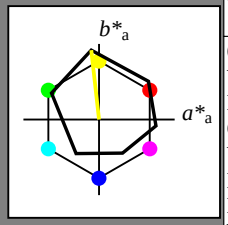
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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

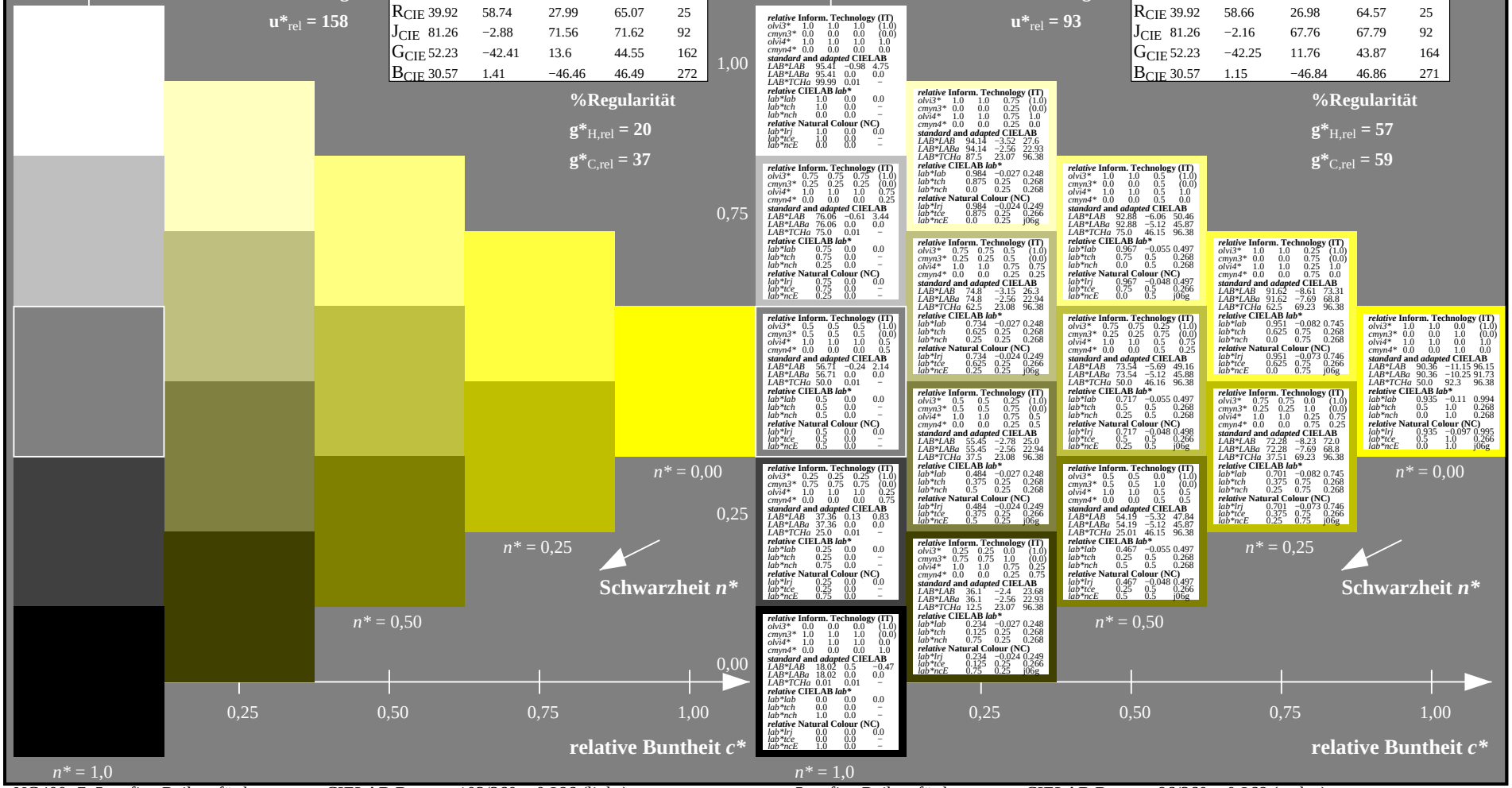


%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	10.52	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



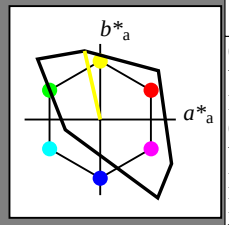
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

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



%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**

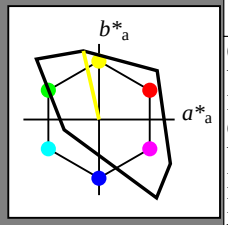
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches 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



%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**

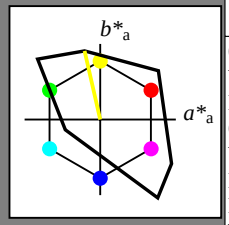
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

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



%Umfang
u*rel = 158

TLS00; adaptierte CIELAB-Daten

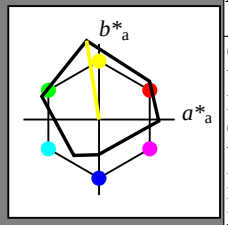
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	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 Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

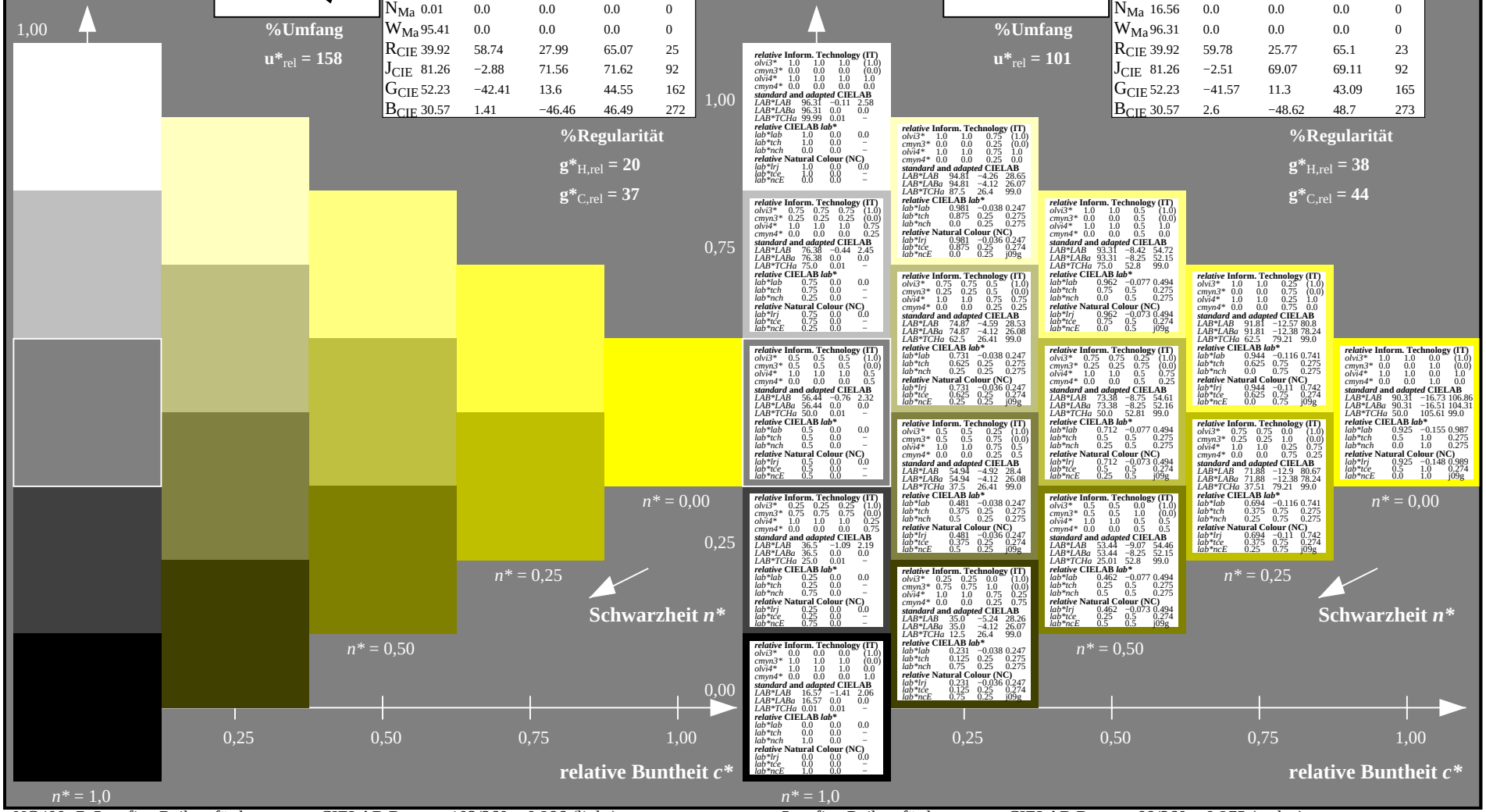


%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44



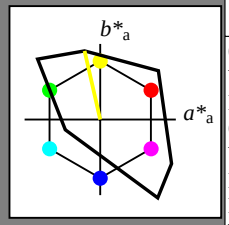
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

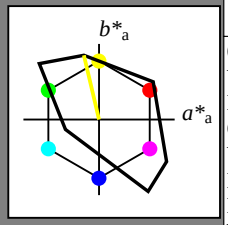
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

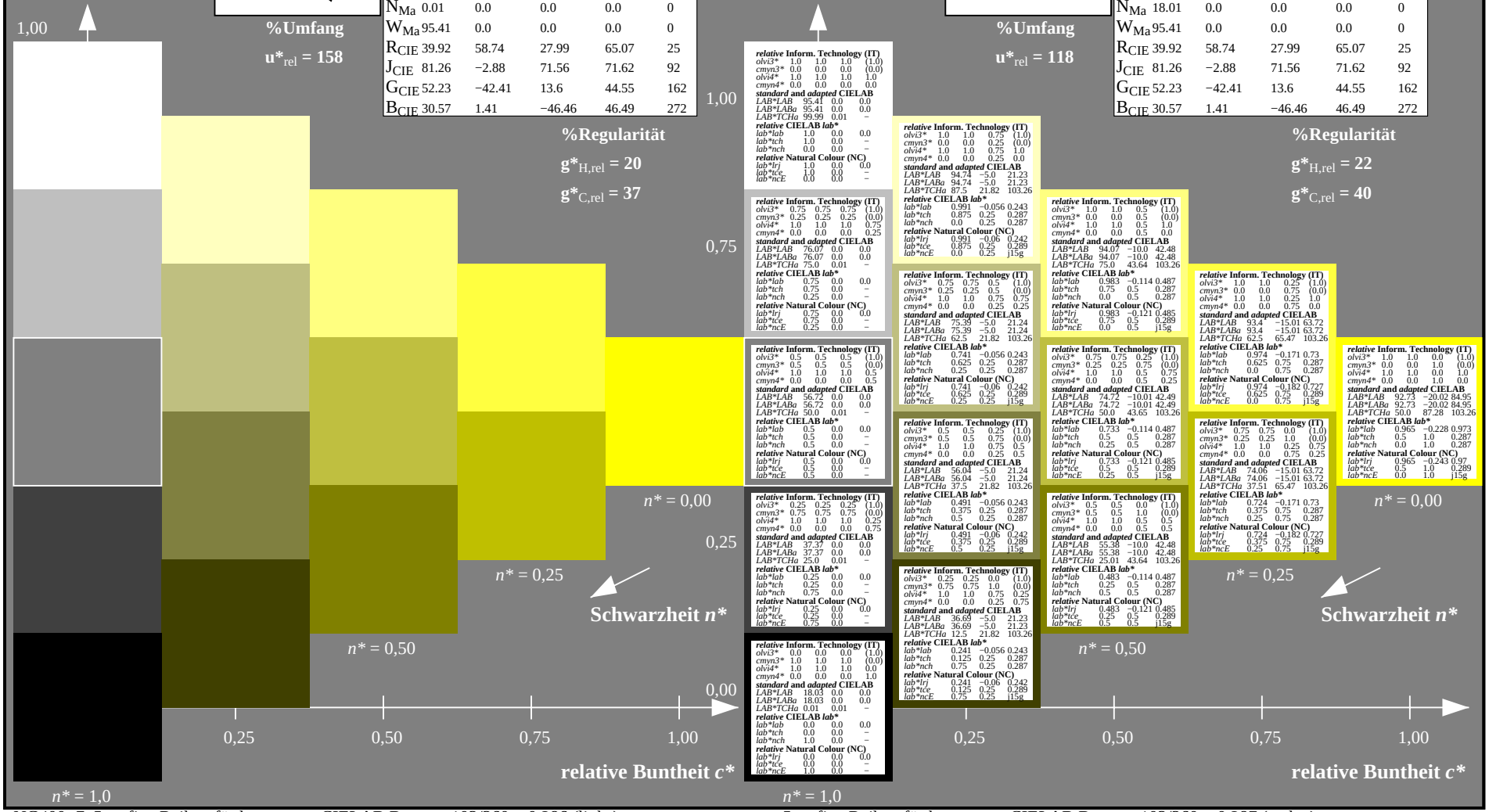


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



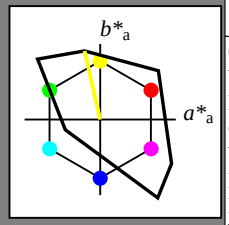
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

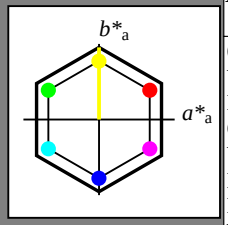
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

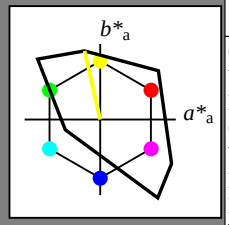
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

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



%Umfang
u*rel = 158

TLS00; adaptierte CIELAB-Daten

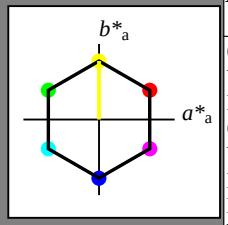
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

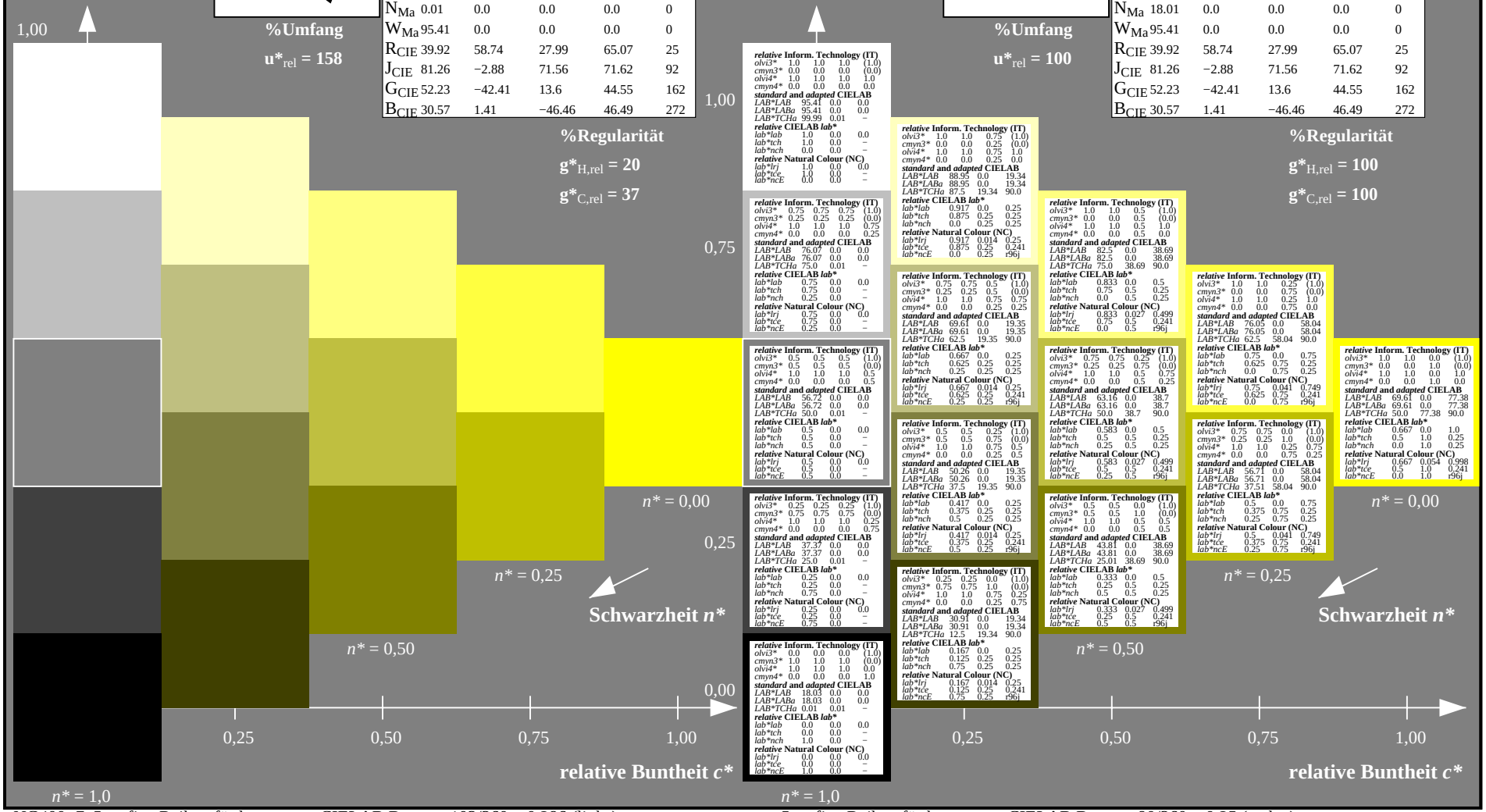


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



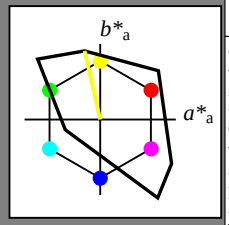
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

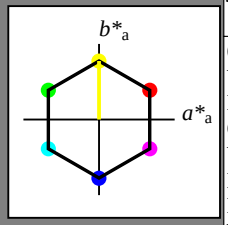
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

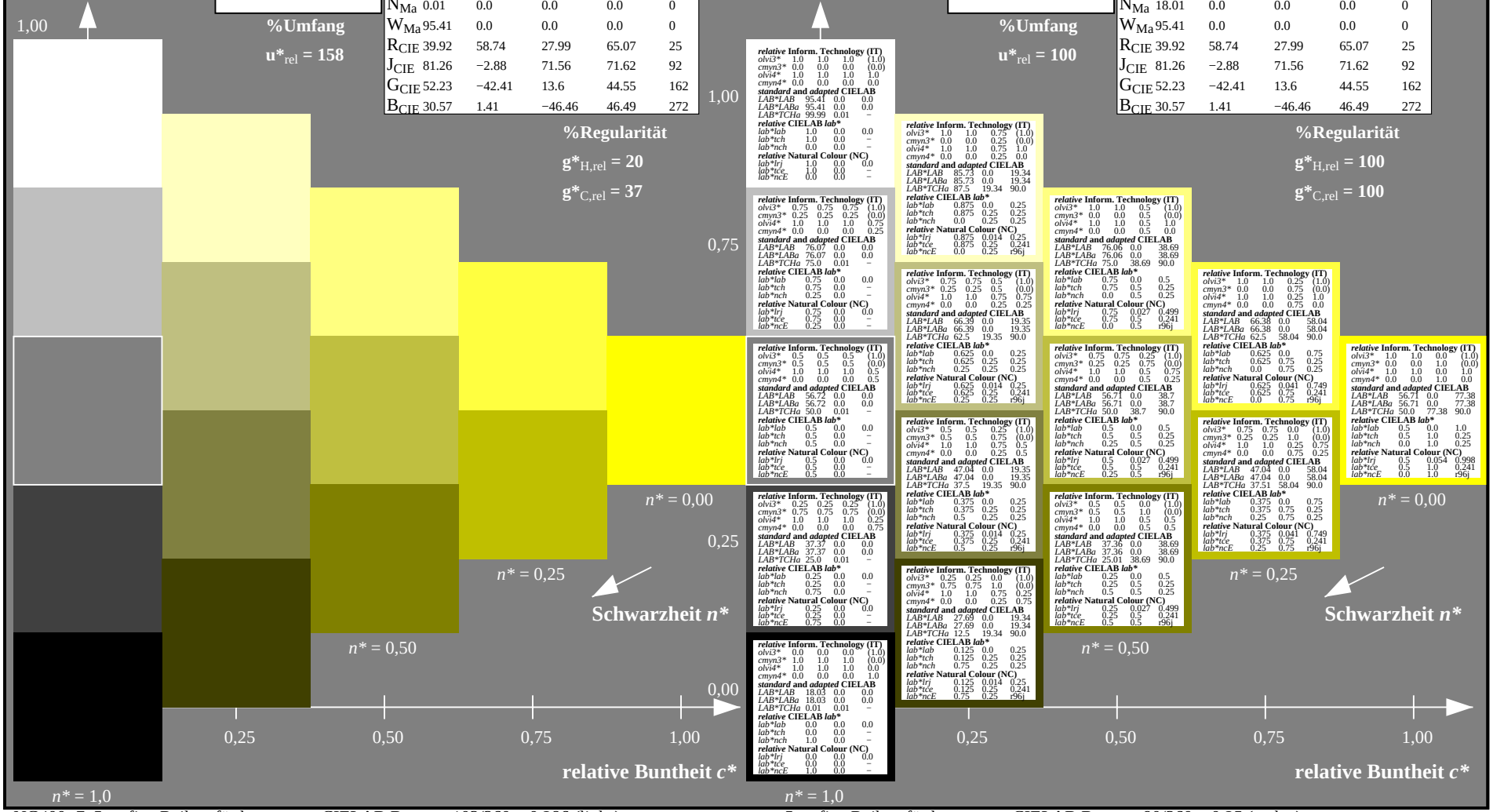


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



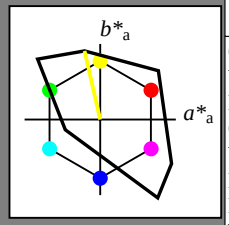
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

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



%Umfang
u*rel = 158

TLS00; adaptierte CIELAB-Daten

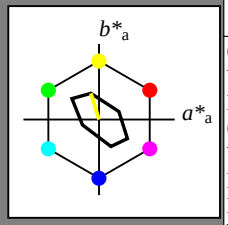
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

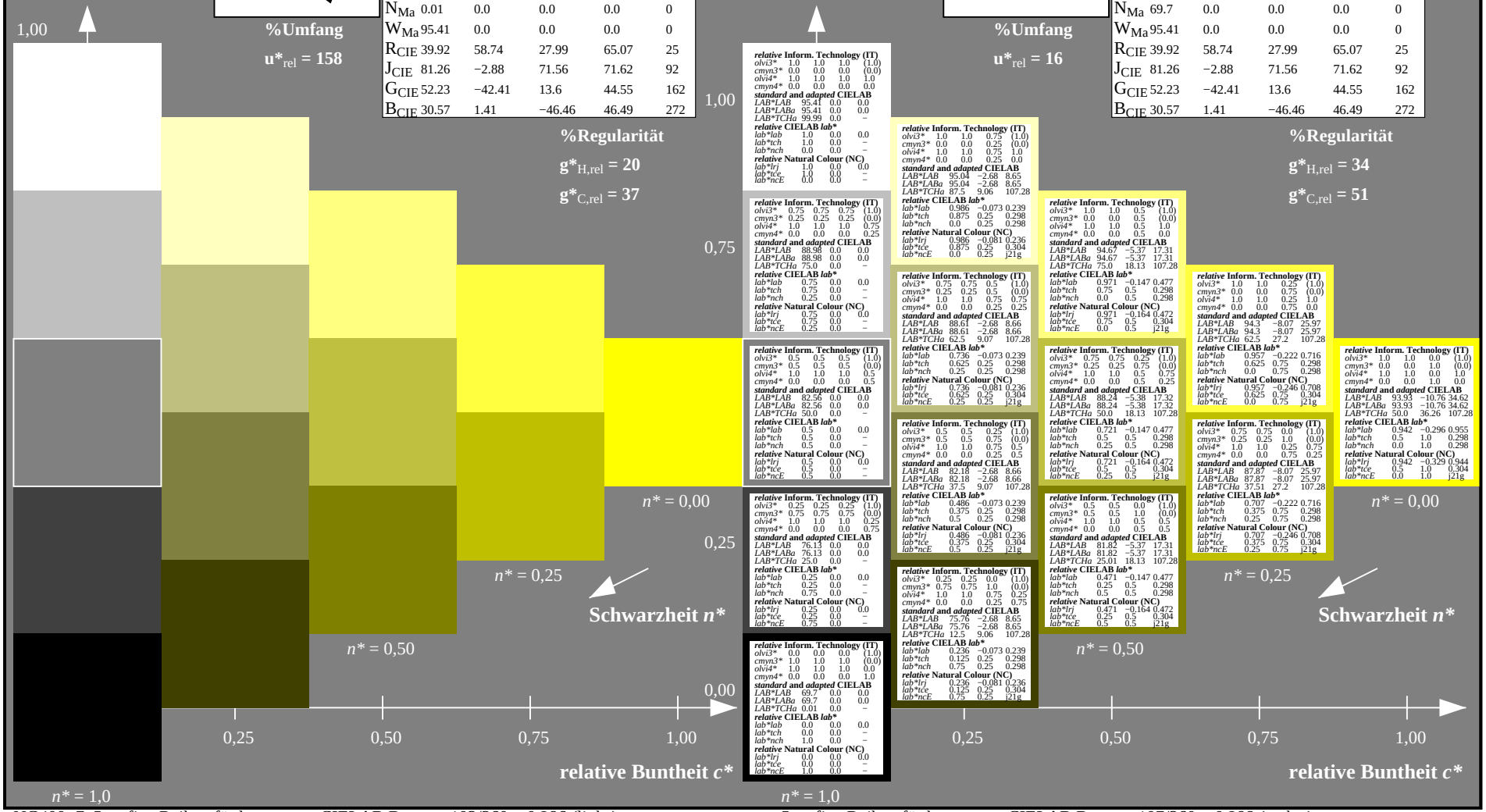


%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51



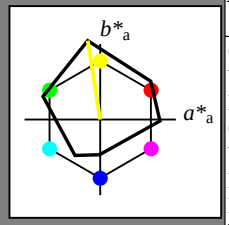
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

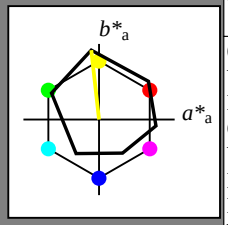
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

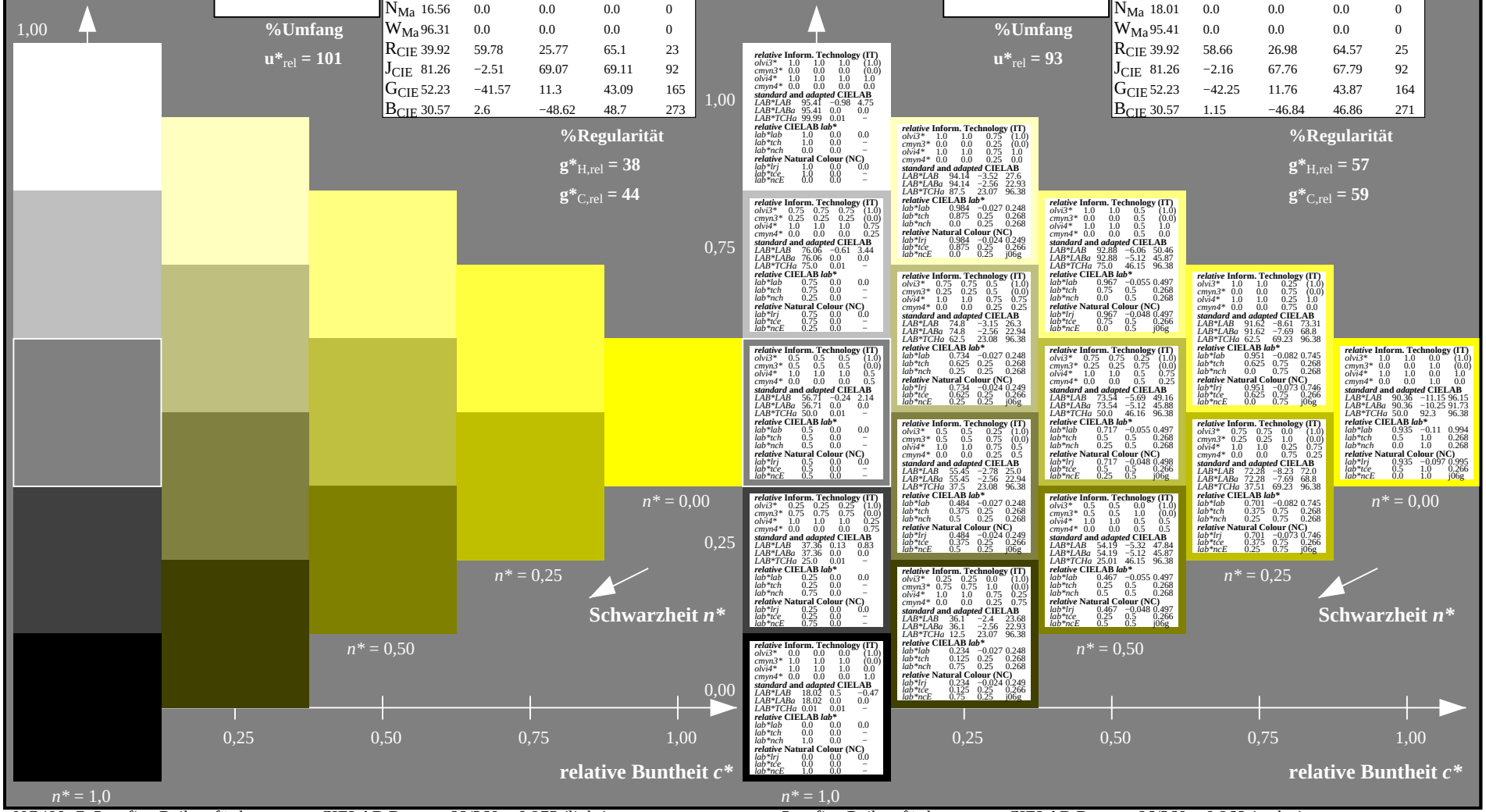


%Umfang
u*$_{rel}$ = 93

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



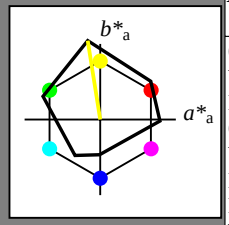
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

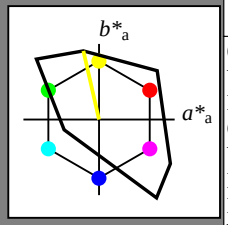
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: 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

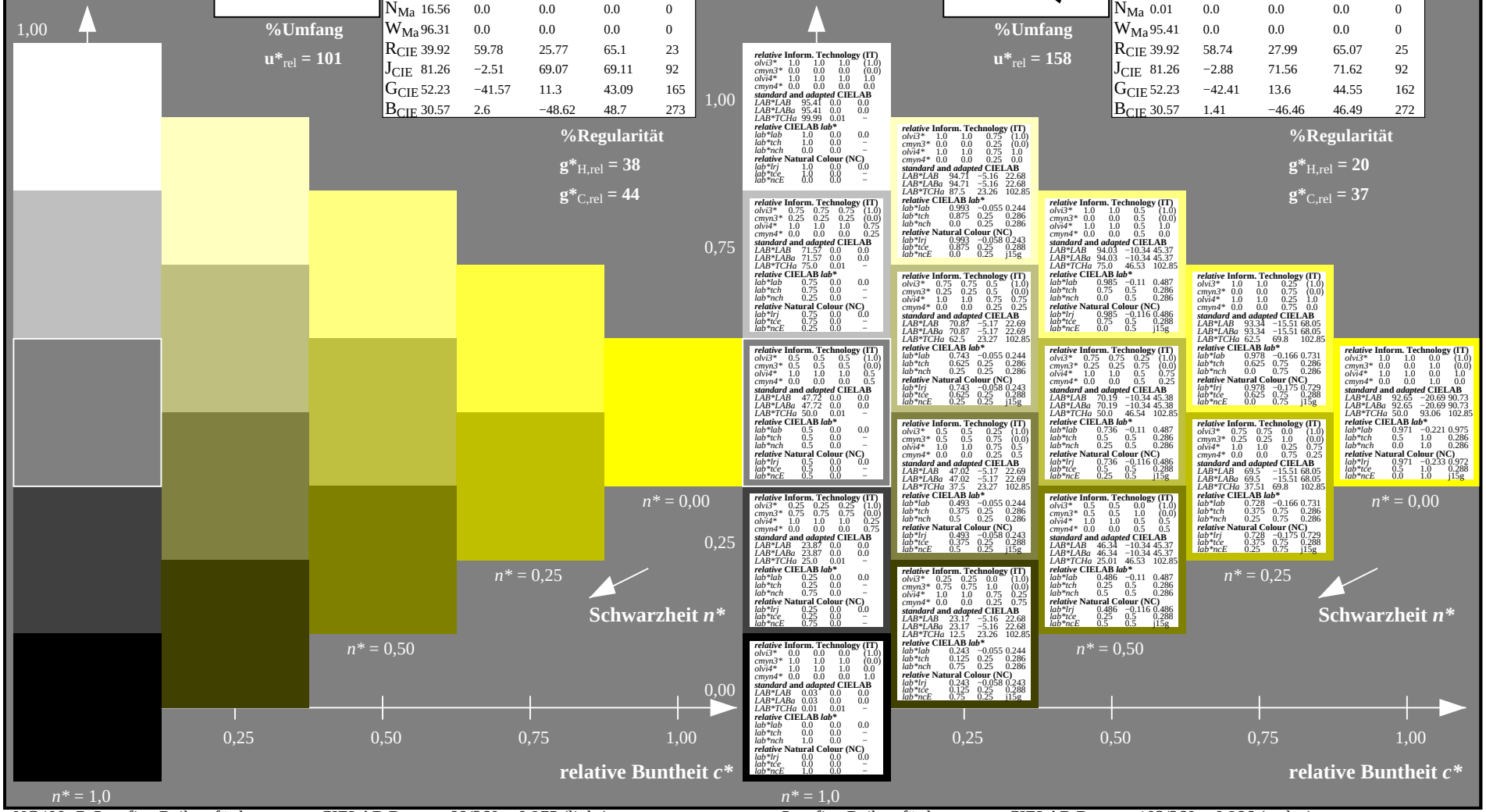


%Umfang
u*$_{rel}$ = 158

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



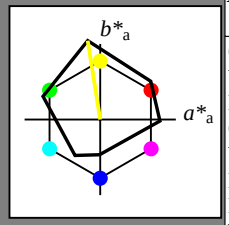
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

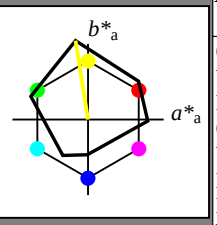
%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

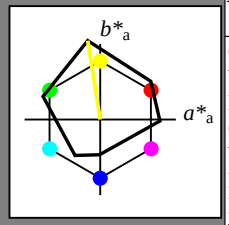
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

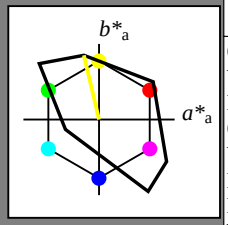
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

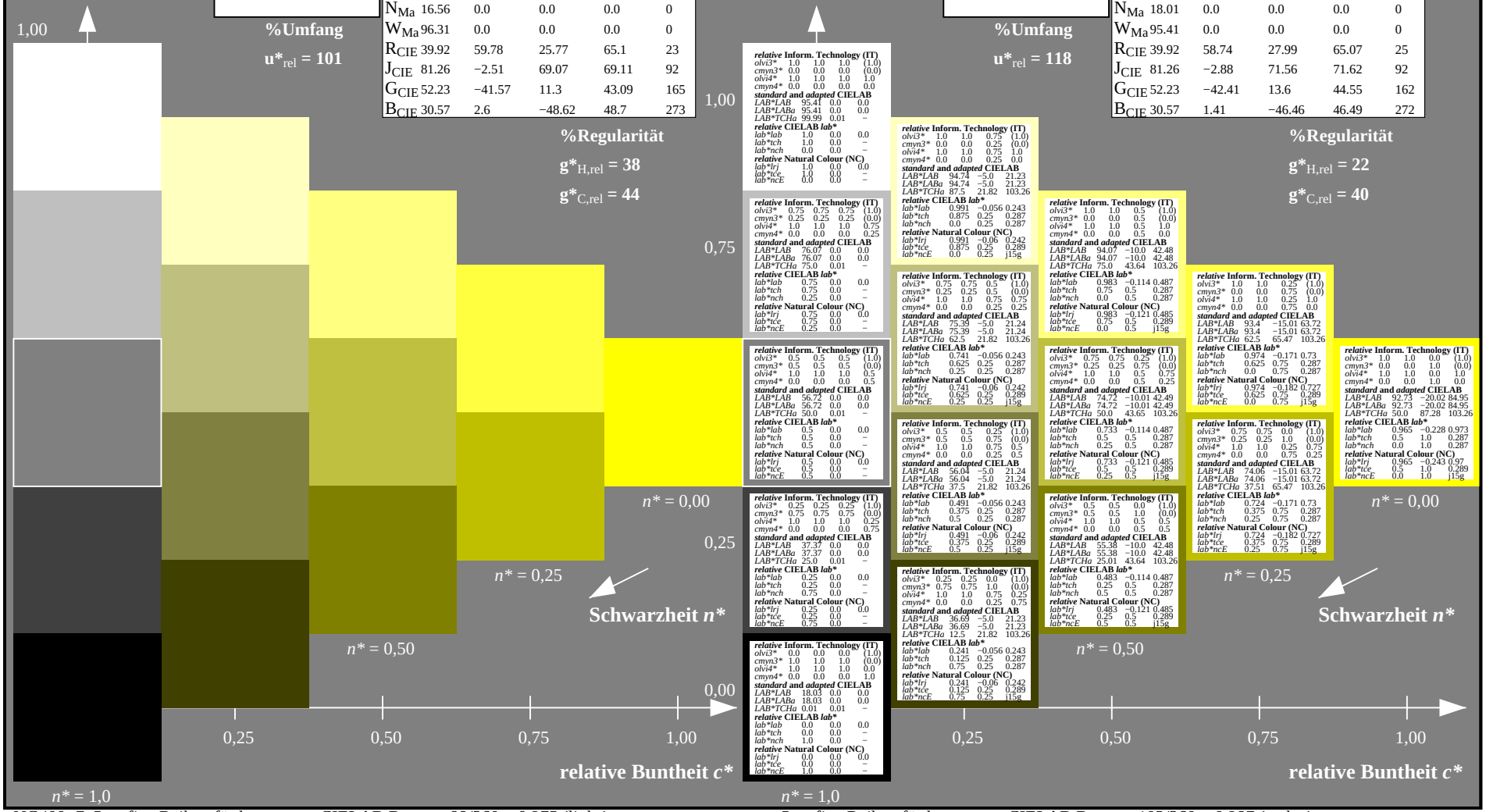


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



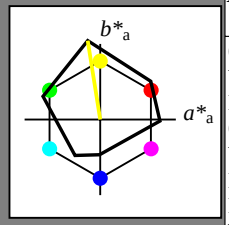
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

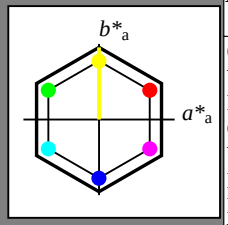
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 90/360 = 0.25*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

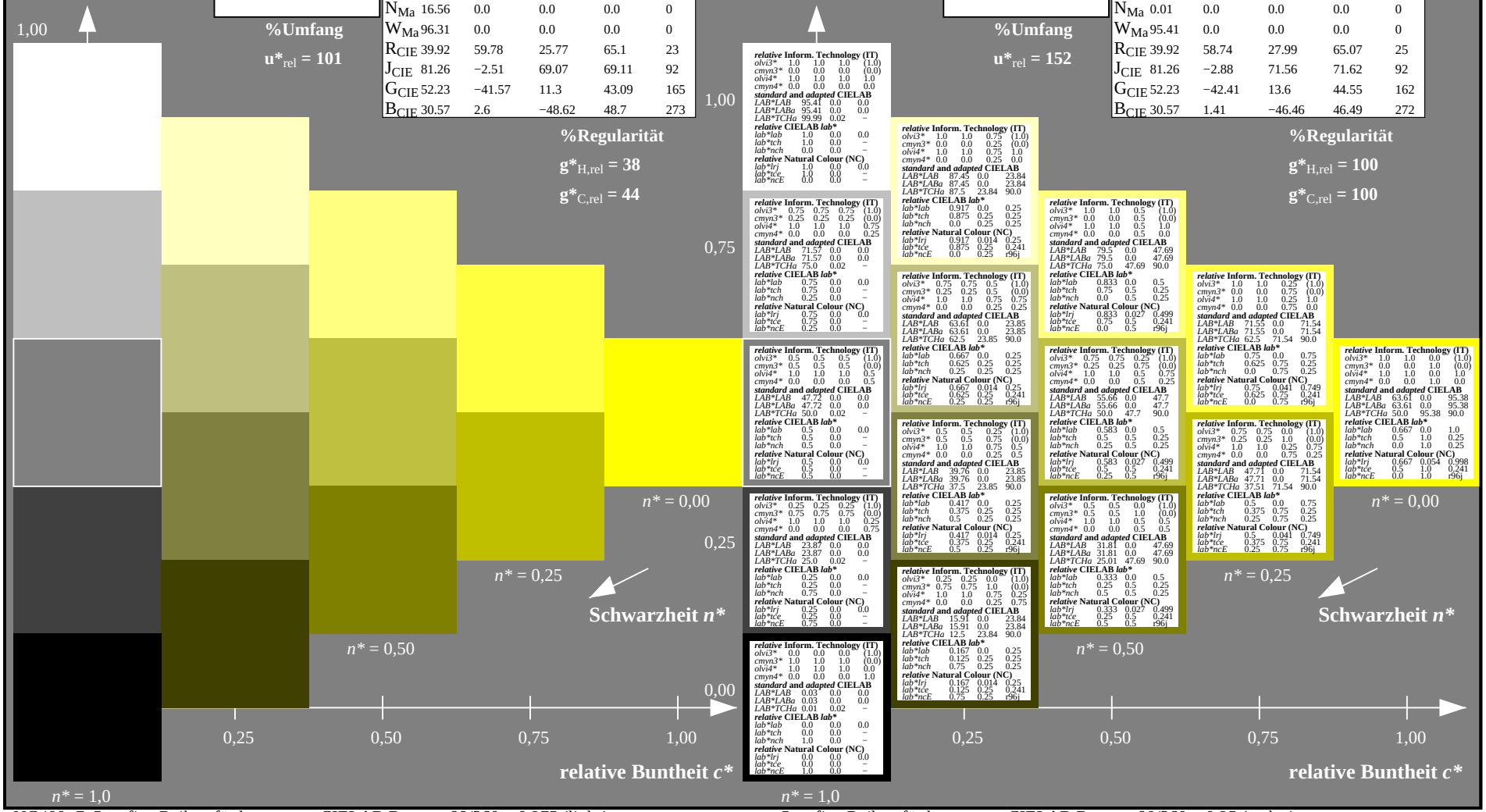


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



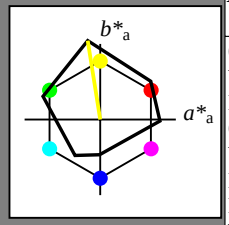
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 99/360 = 0.275***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

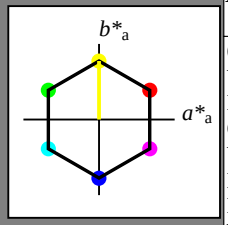
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

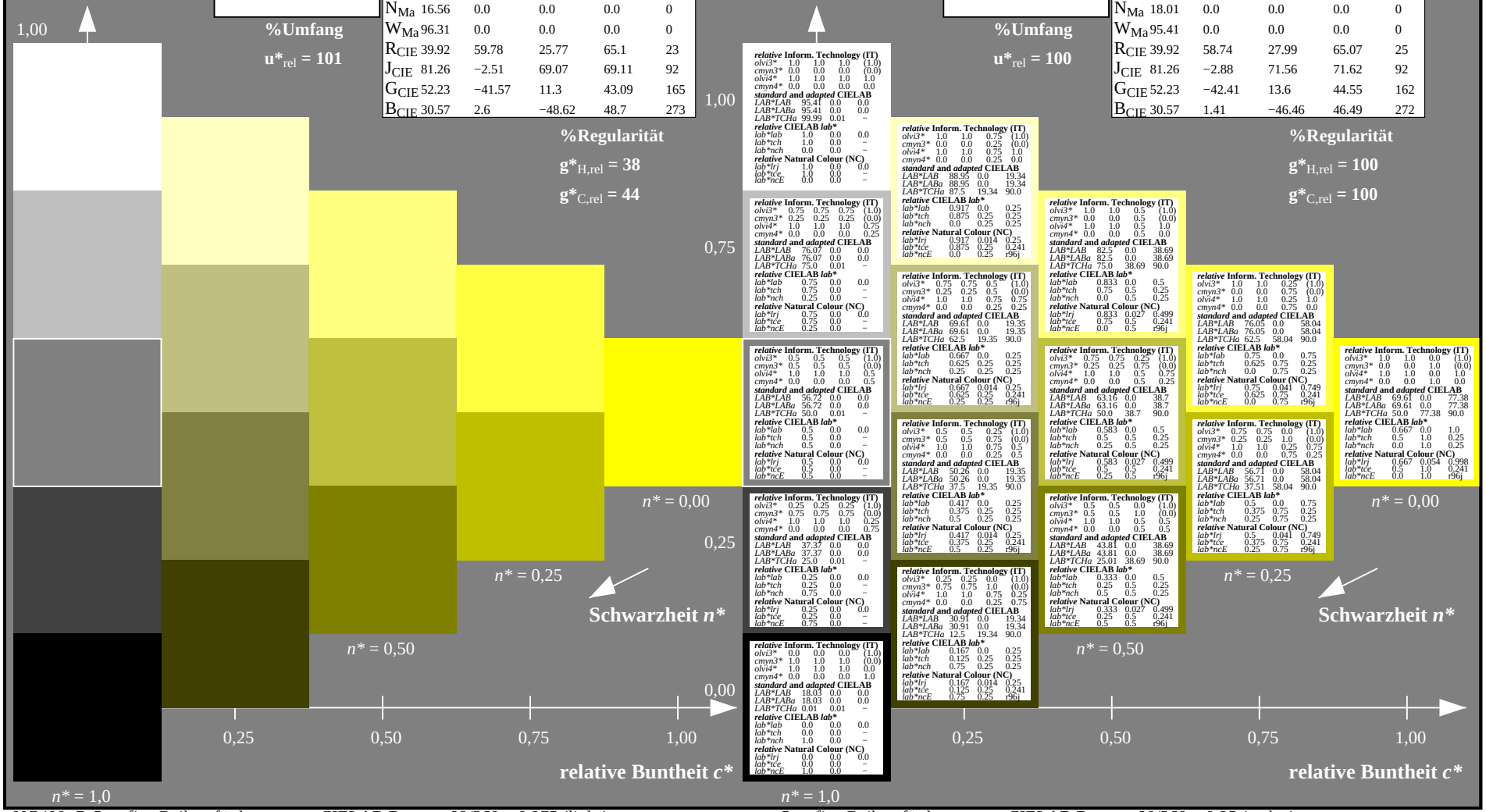


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



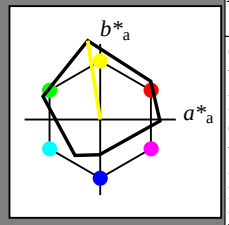
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

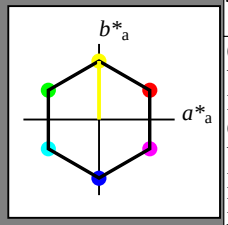
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 90/360 = 0.25*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

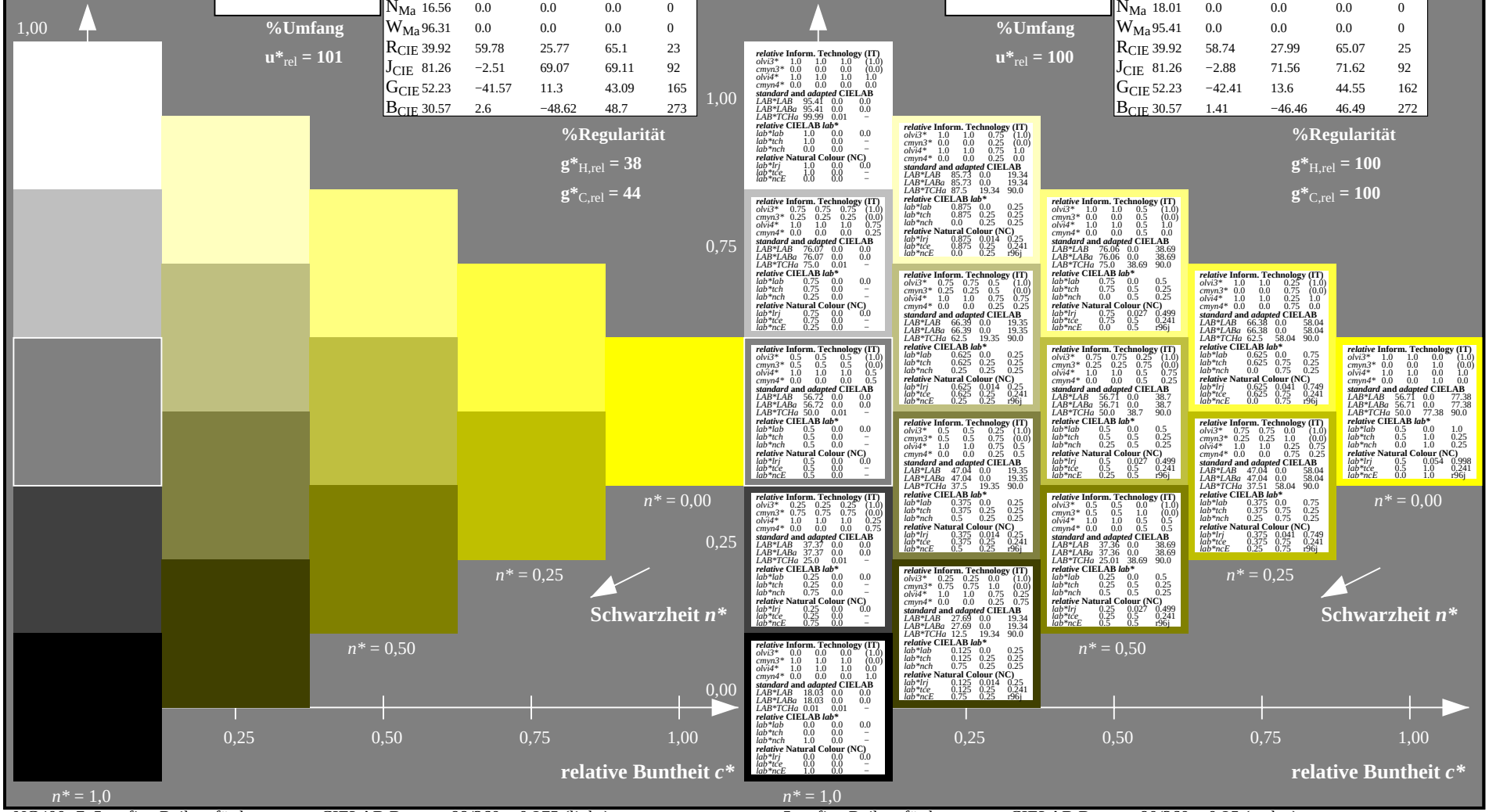


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



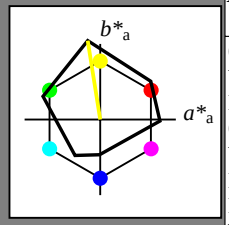
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

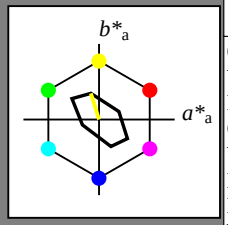
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



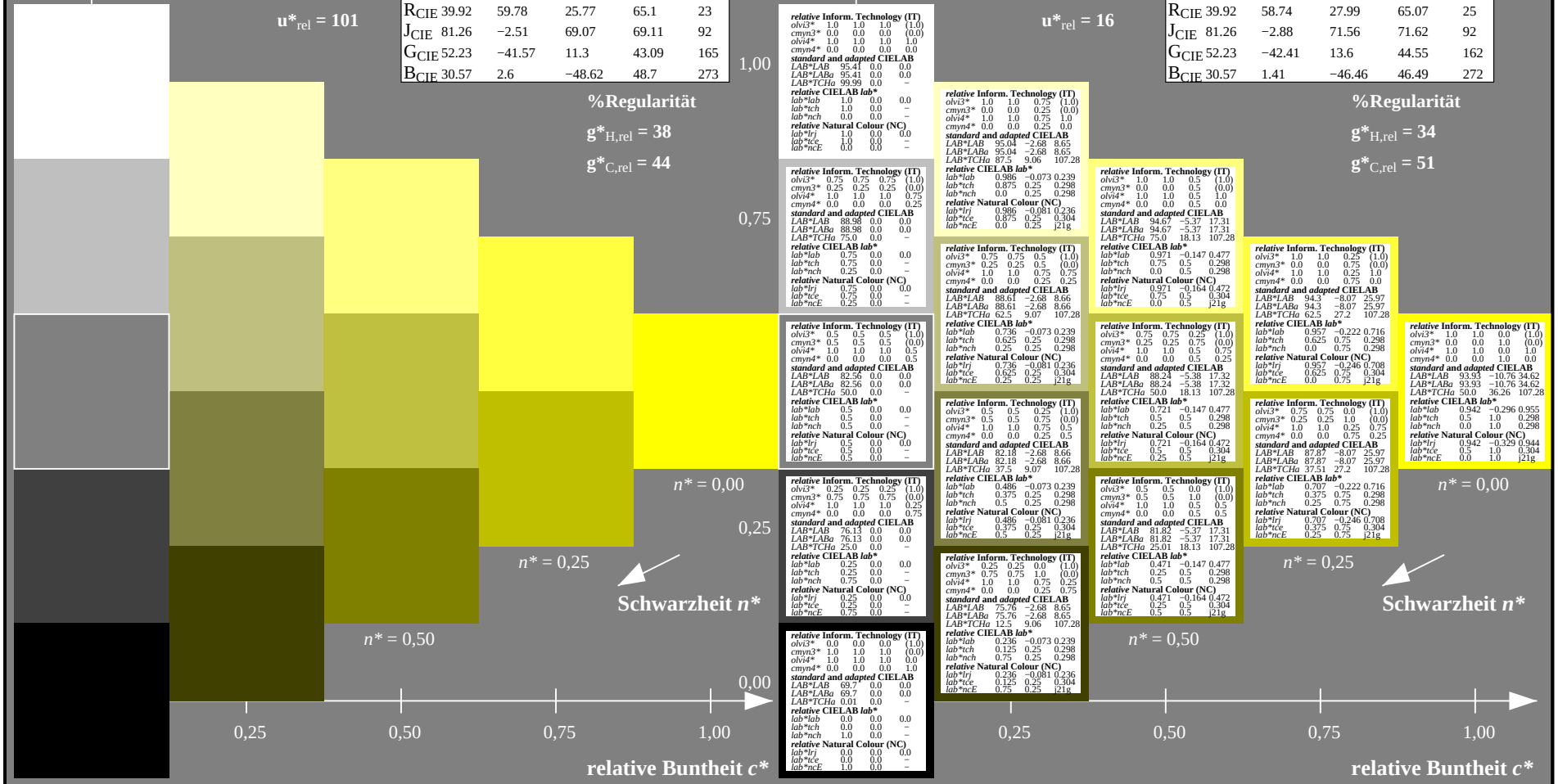
%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

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**



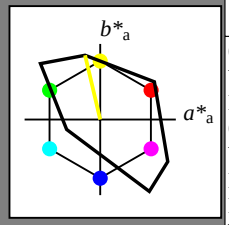
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

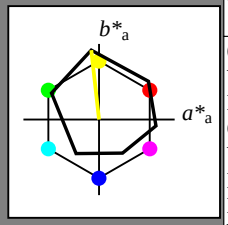
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

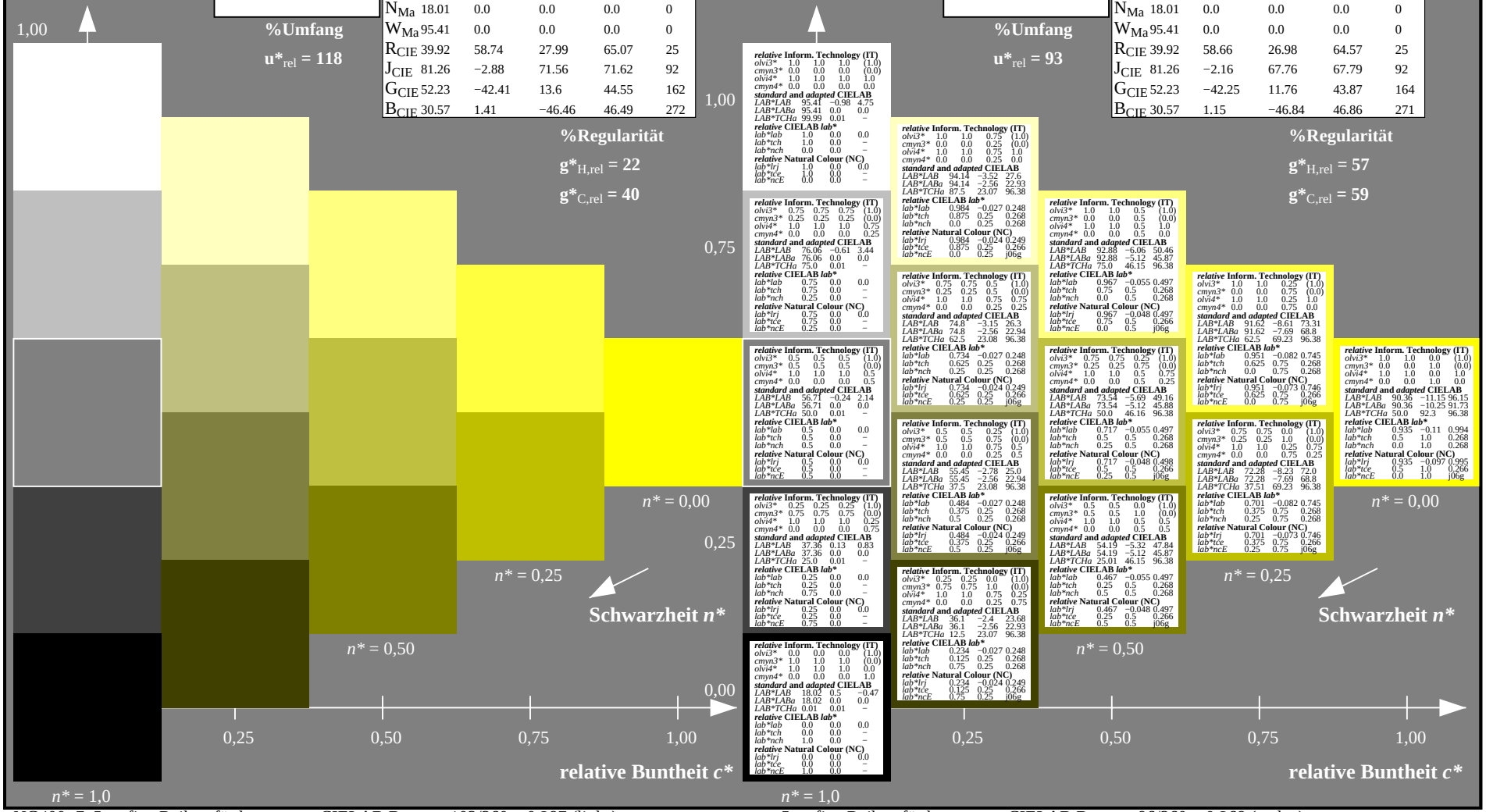


%Umfang
u^*_{rel} = 93

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



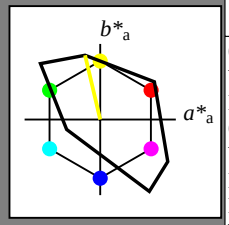
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 103/360 = 0.287***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

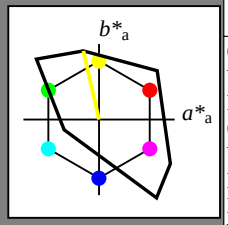
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: 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

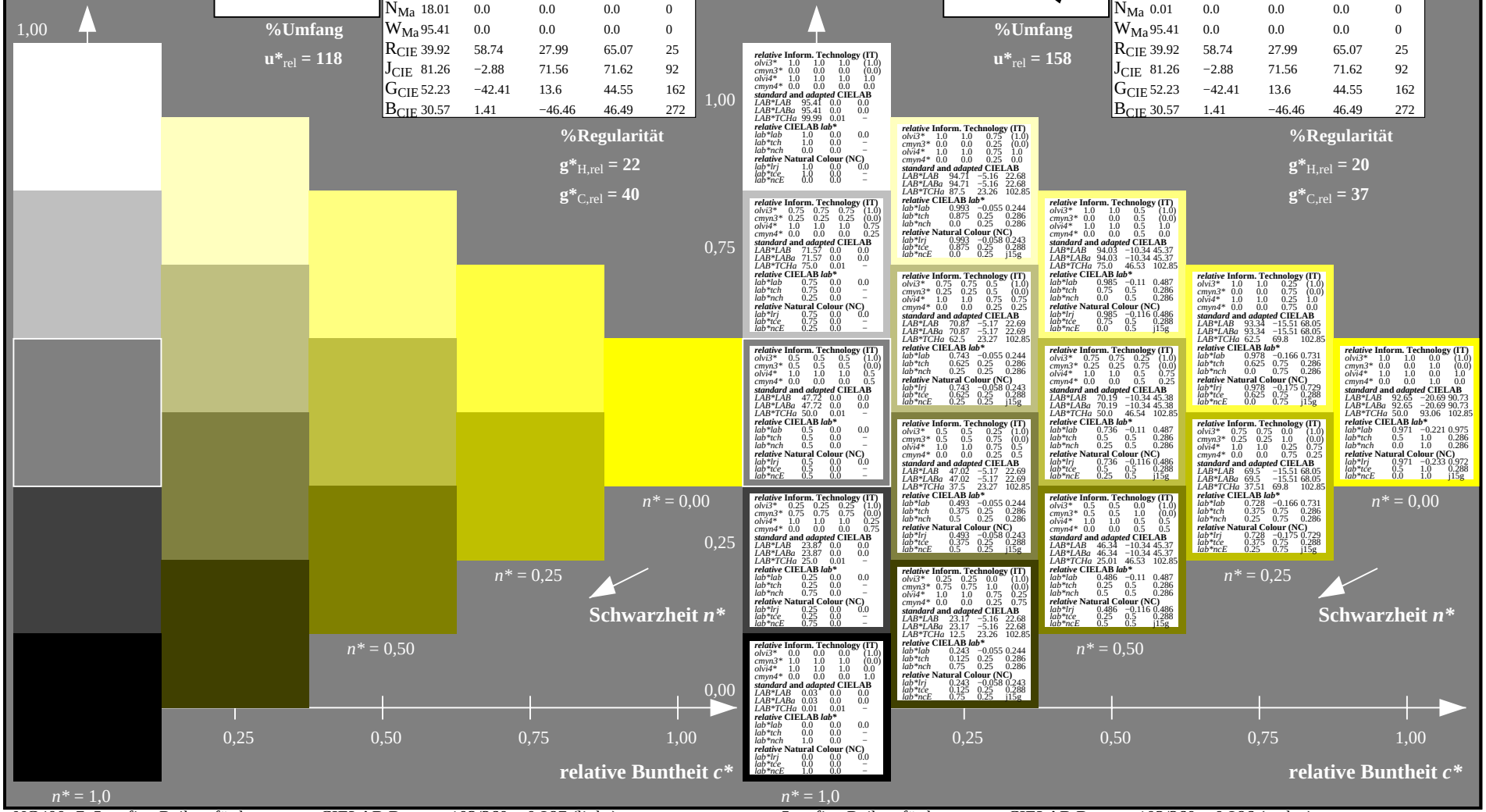


%Umfang
u^*_{rel} = 158

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



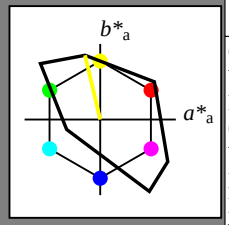
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

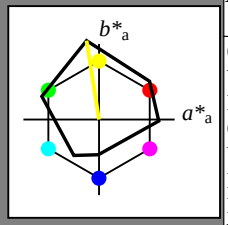
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

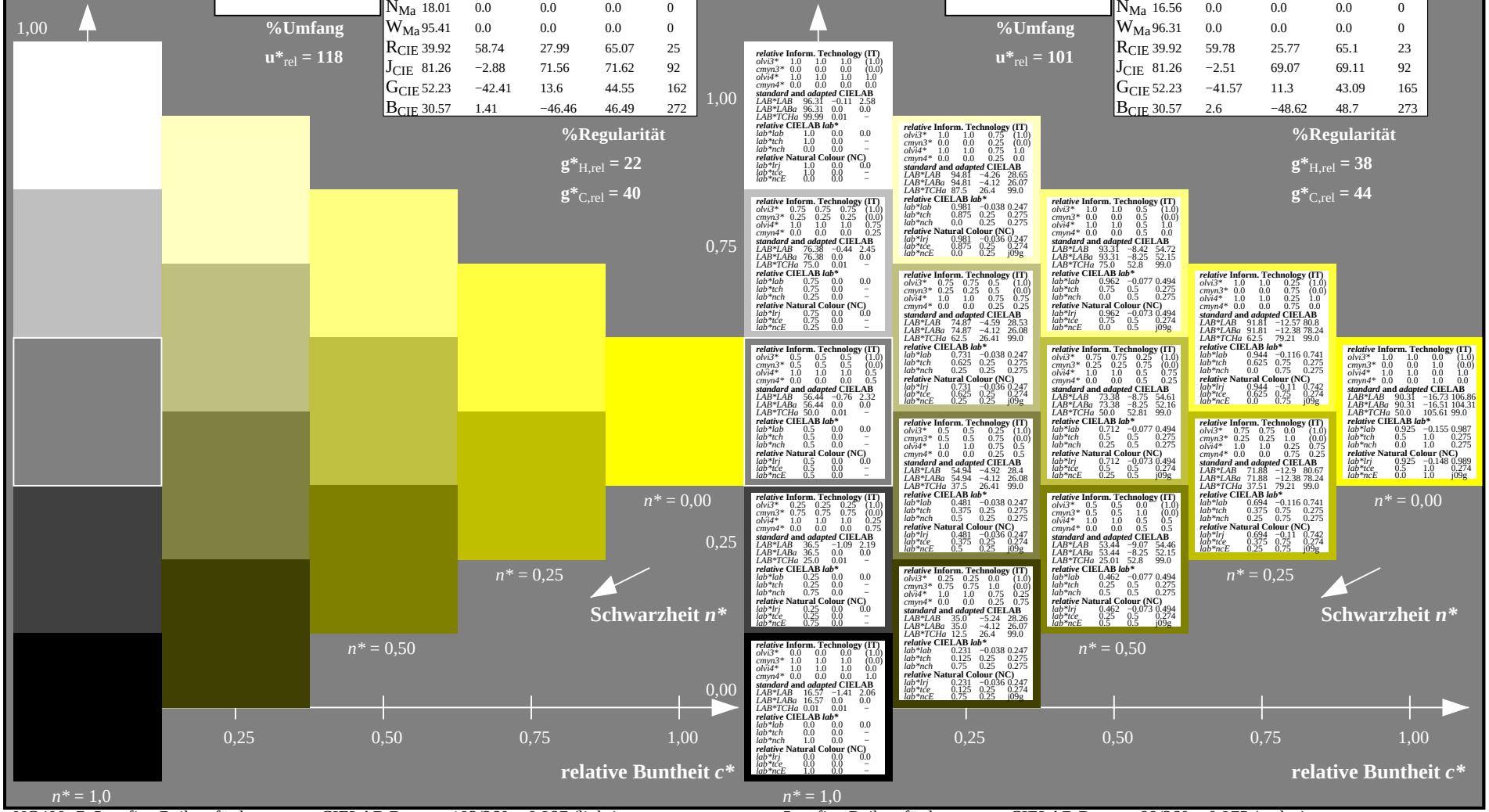


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



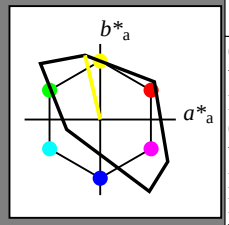
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

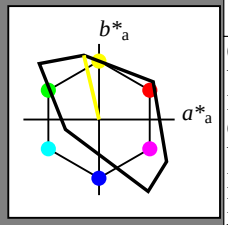
%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

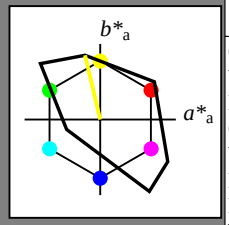
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 103/360 = 0.287***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

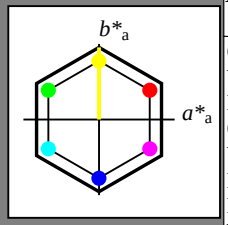
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

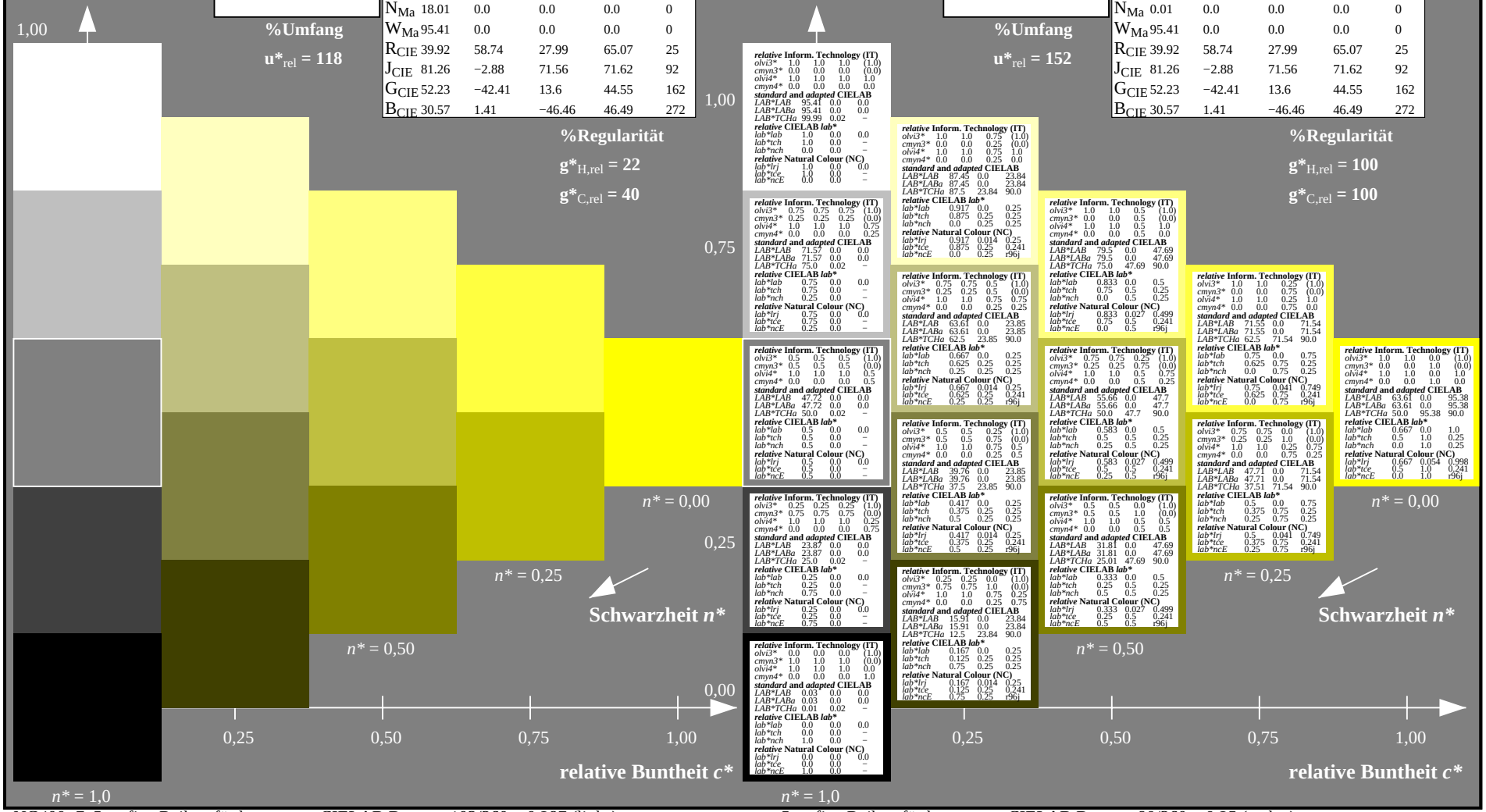


%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



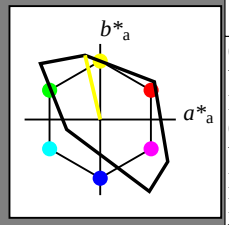
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 103/360 = 0.287***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

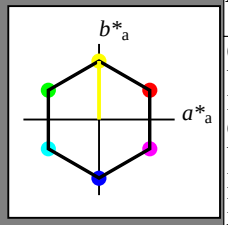
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

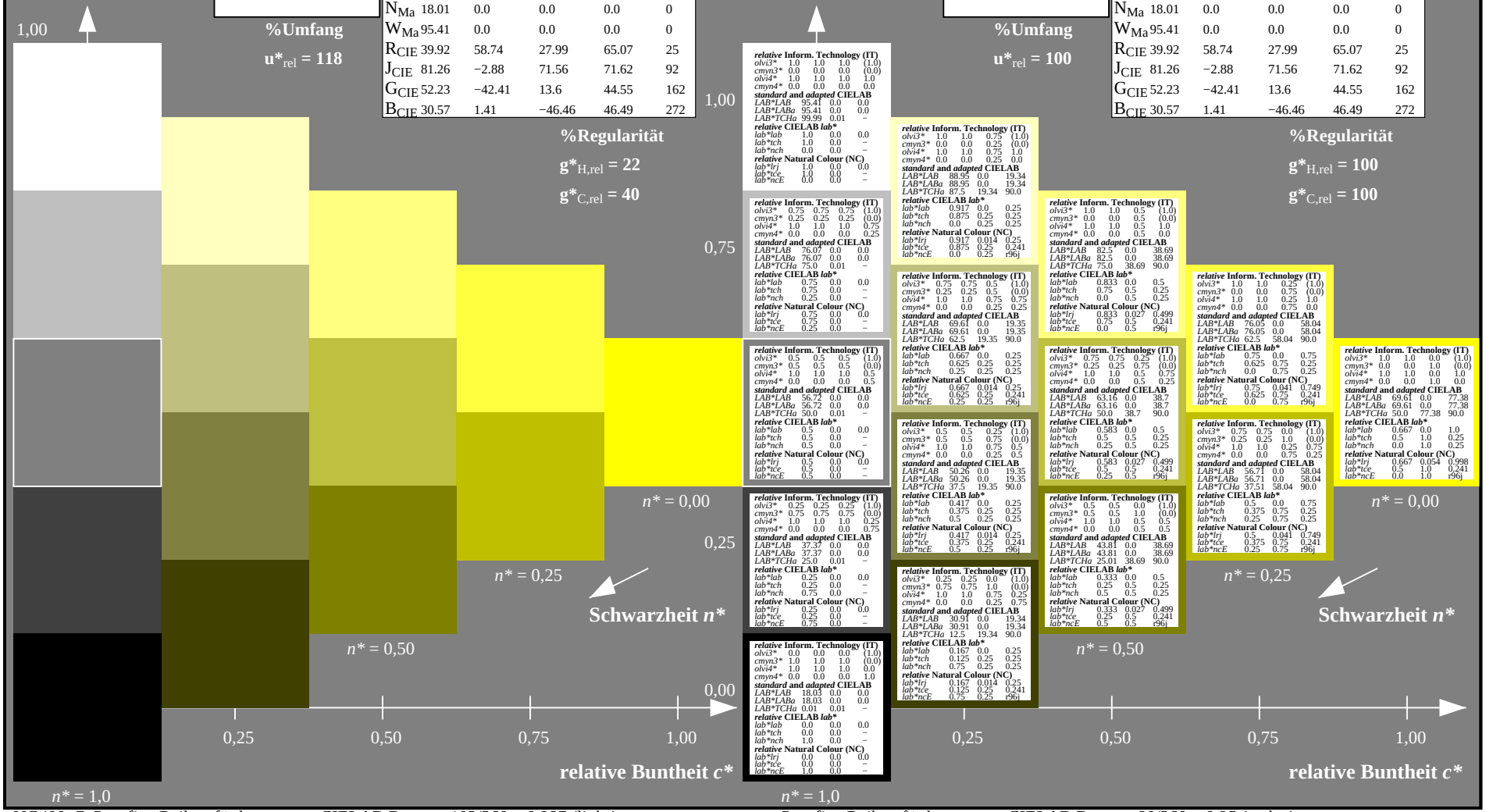


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



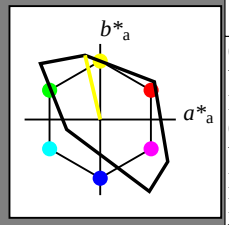
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 103/360 = 0.287***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

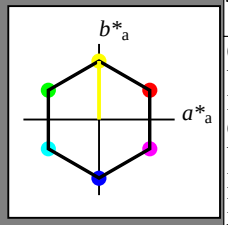
TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

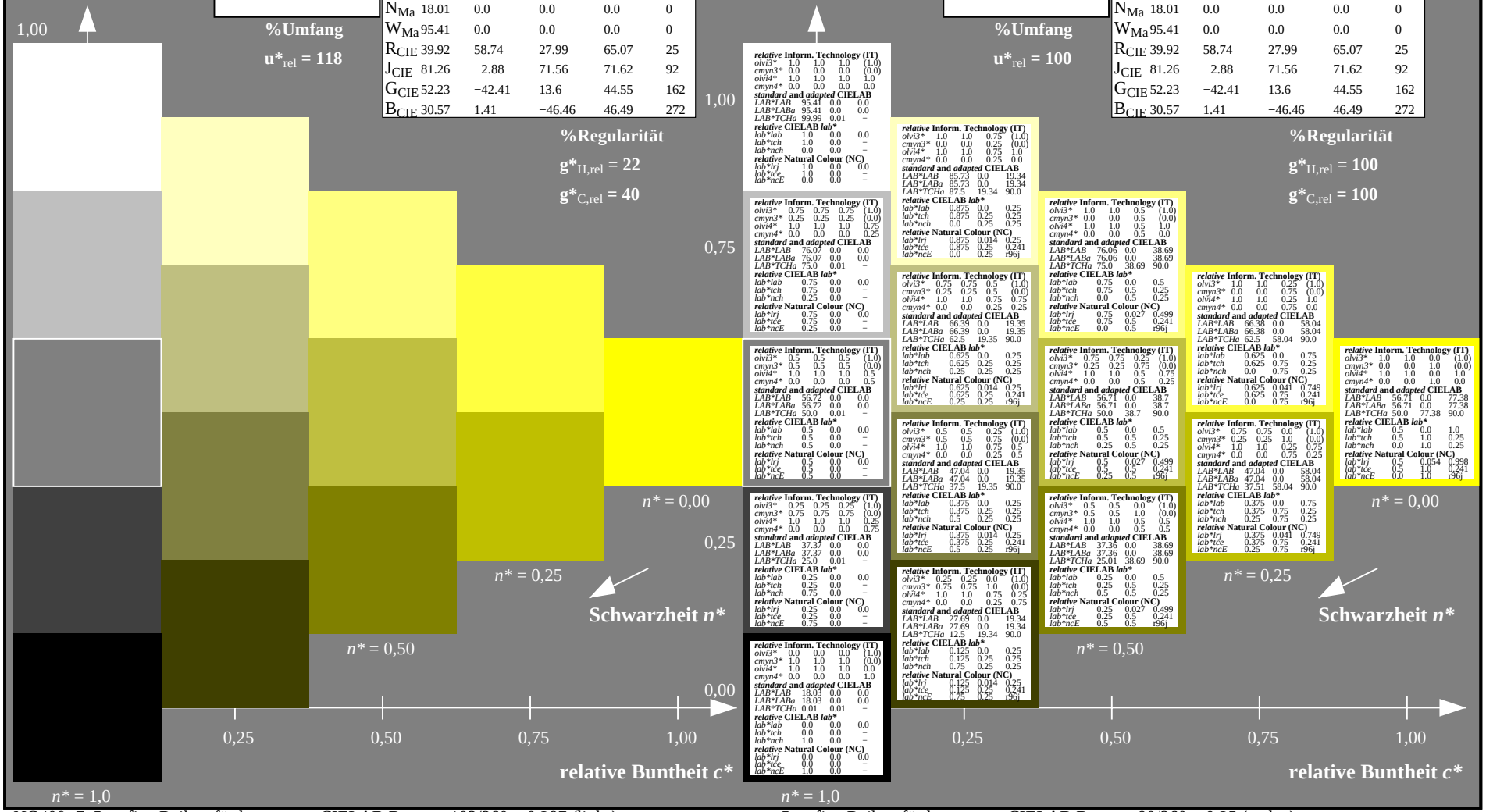
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



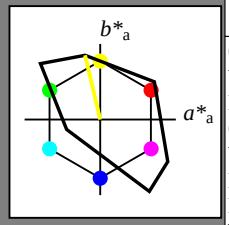
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

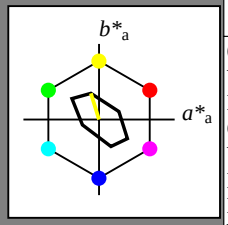
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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**

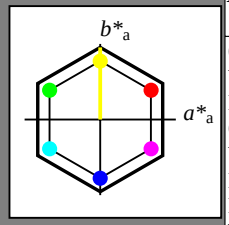
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

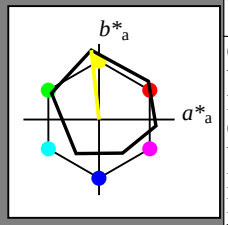
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

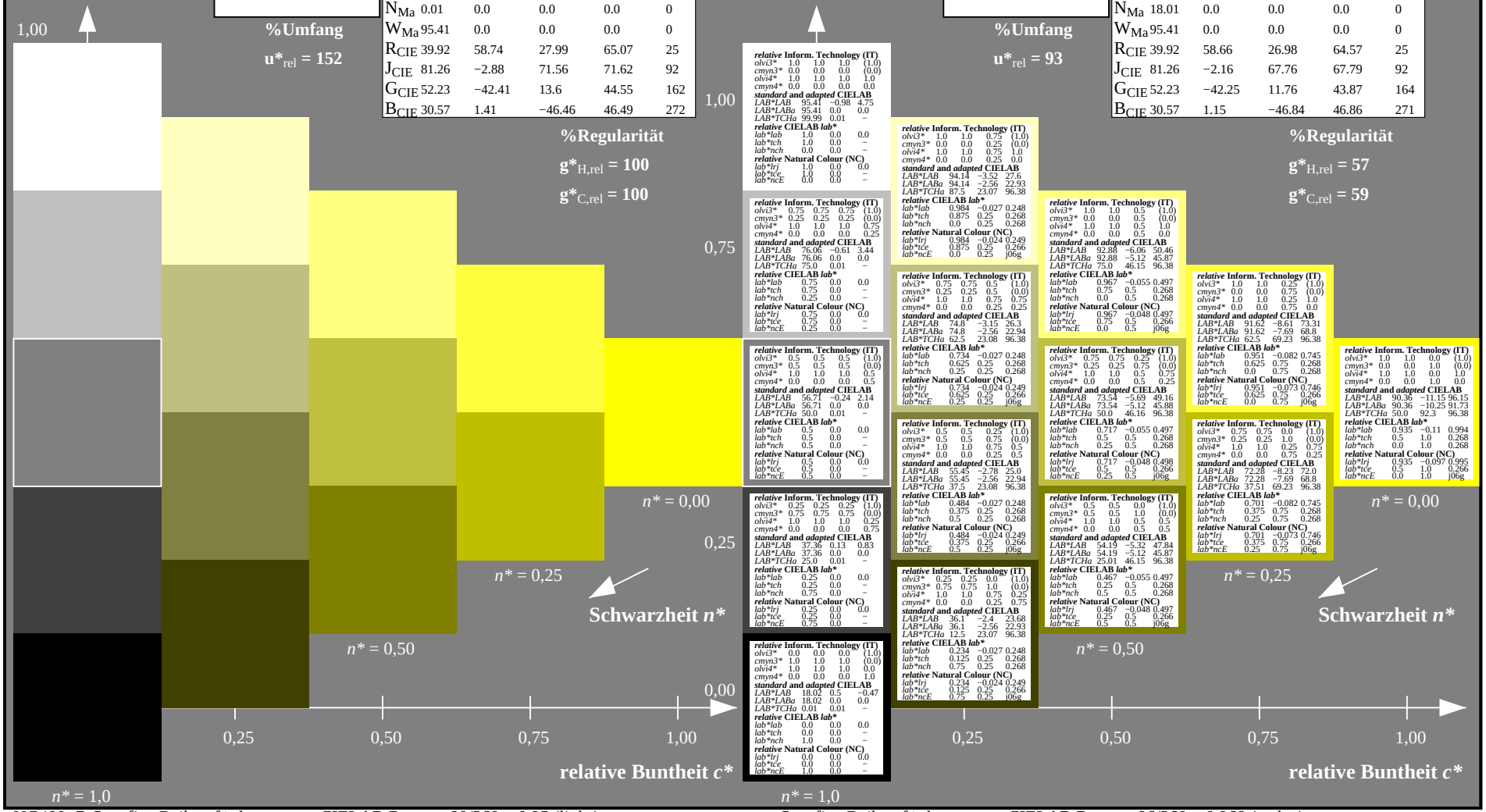


%Umfang
u*$_{rel}$ = 93

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



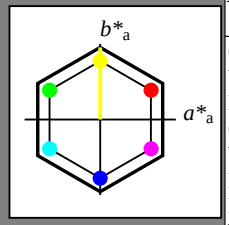
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

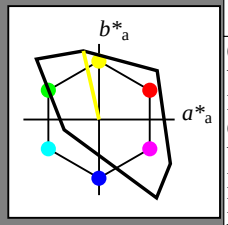
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

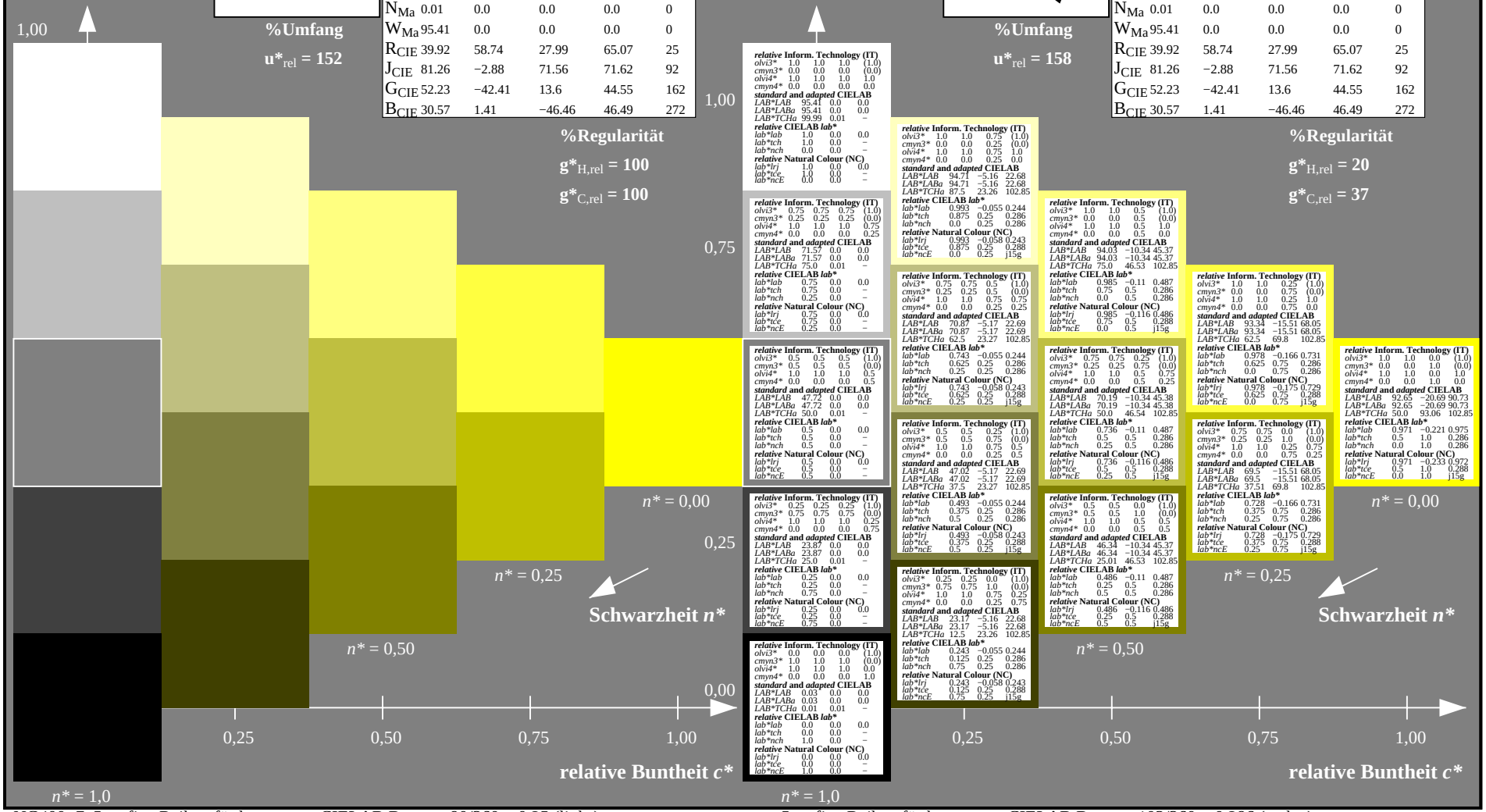


%Umfang
u^*_{rel} = 158

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



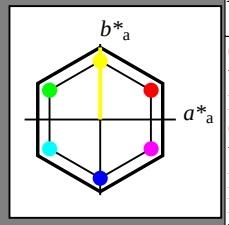
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

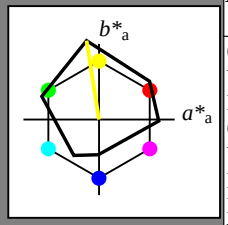
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 99/360 = 0.275***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

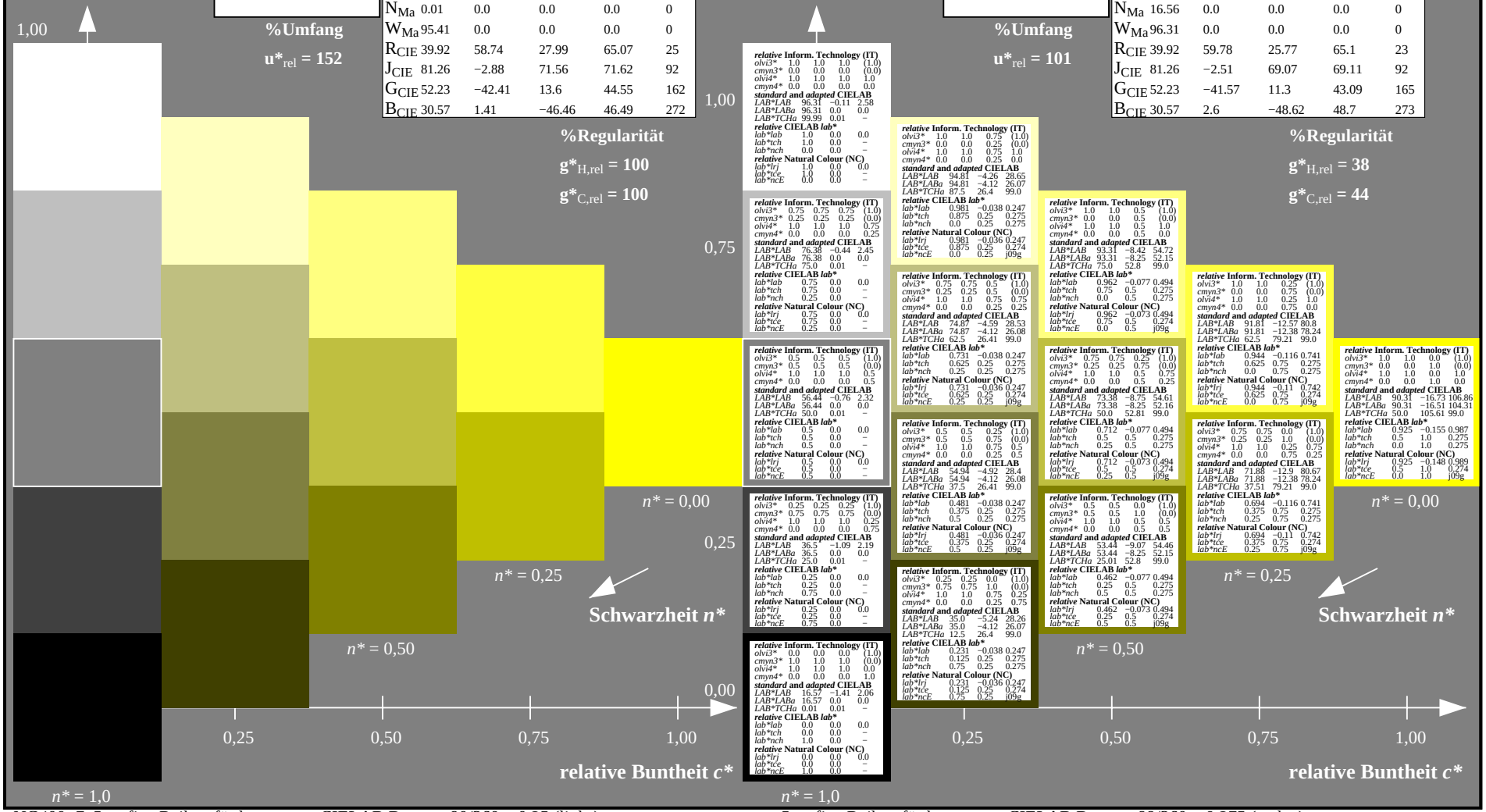
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



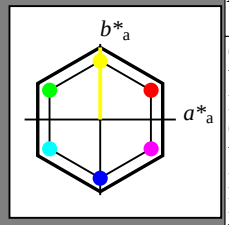
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 90/360 = 0.25*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

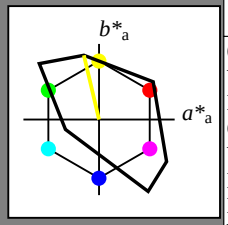
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

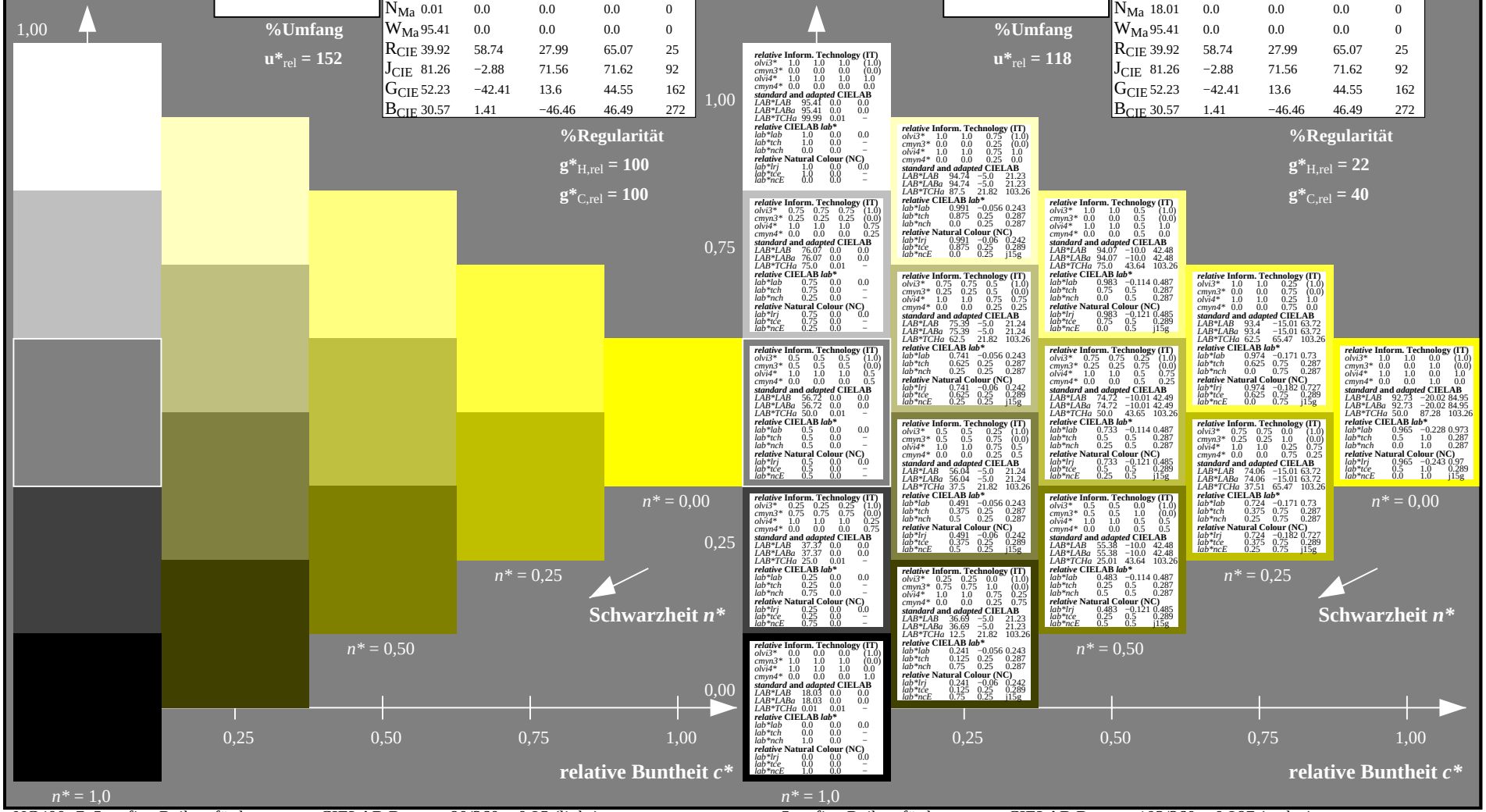


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



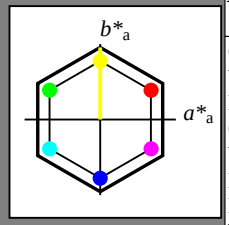
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

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

Schwarzheit *n**

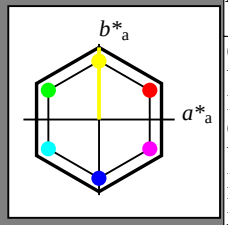
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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**

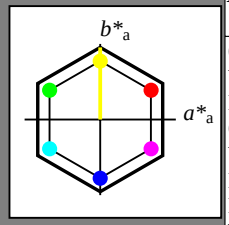
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

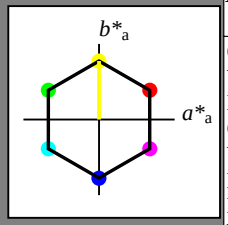
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

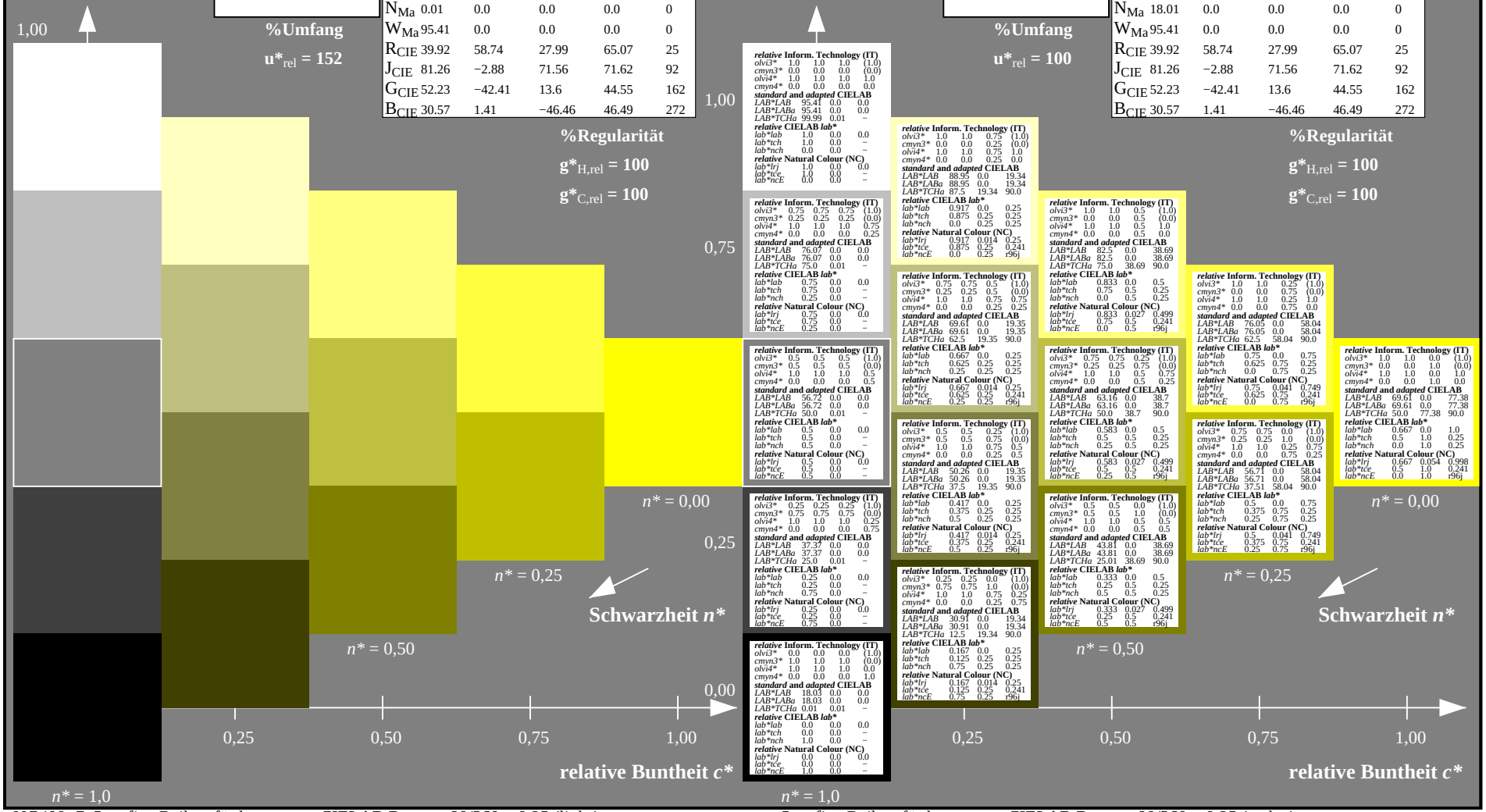


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



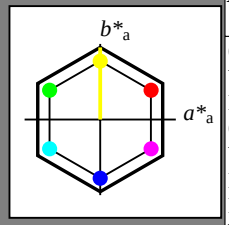
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

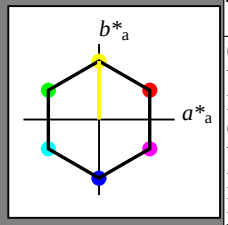
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

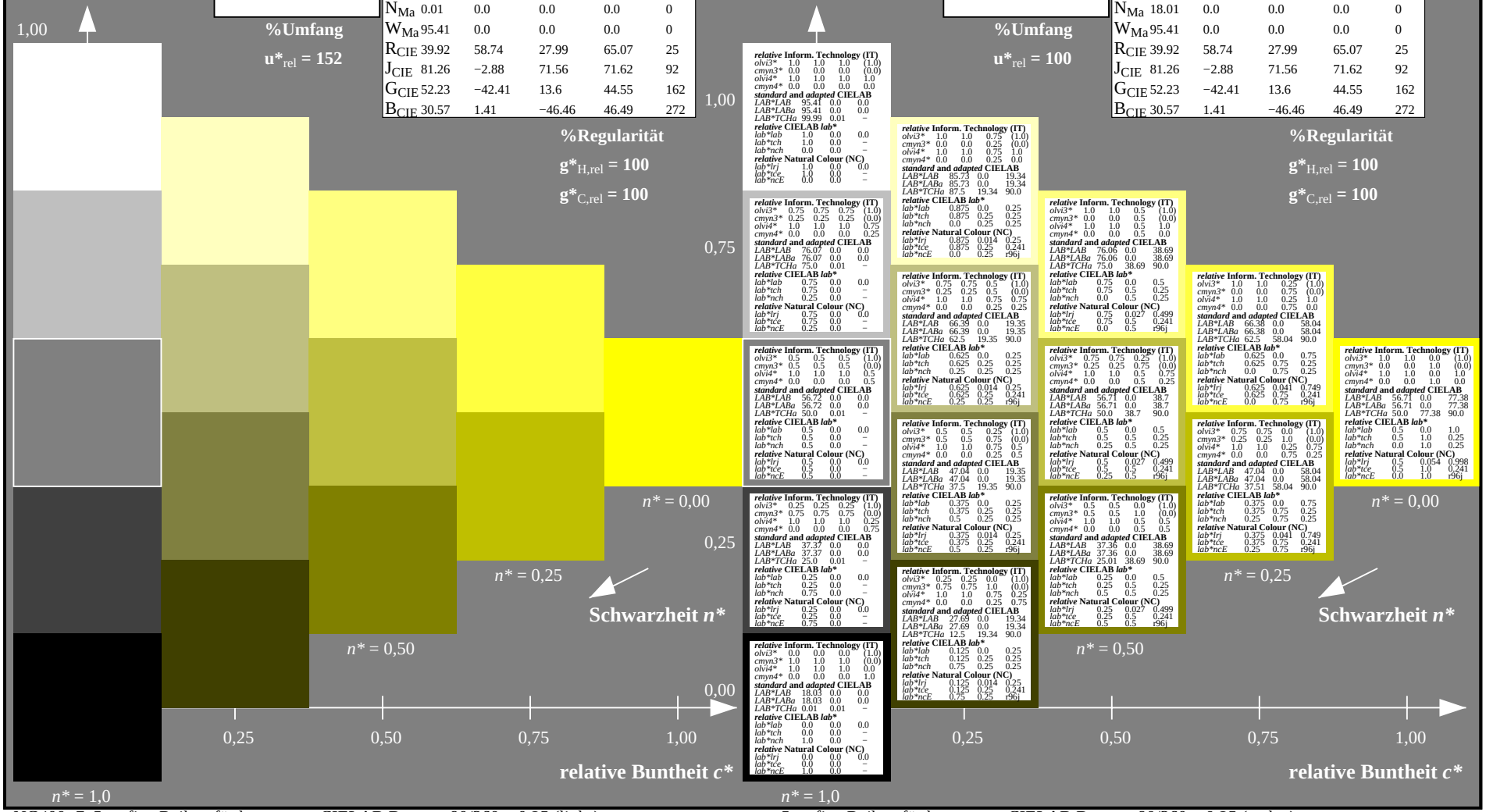


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



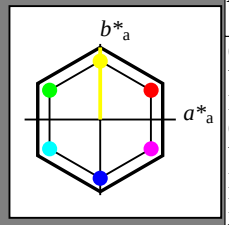
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 90/360 = 0.25*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

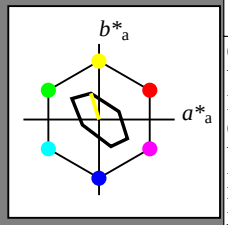
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

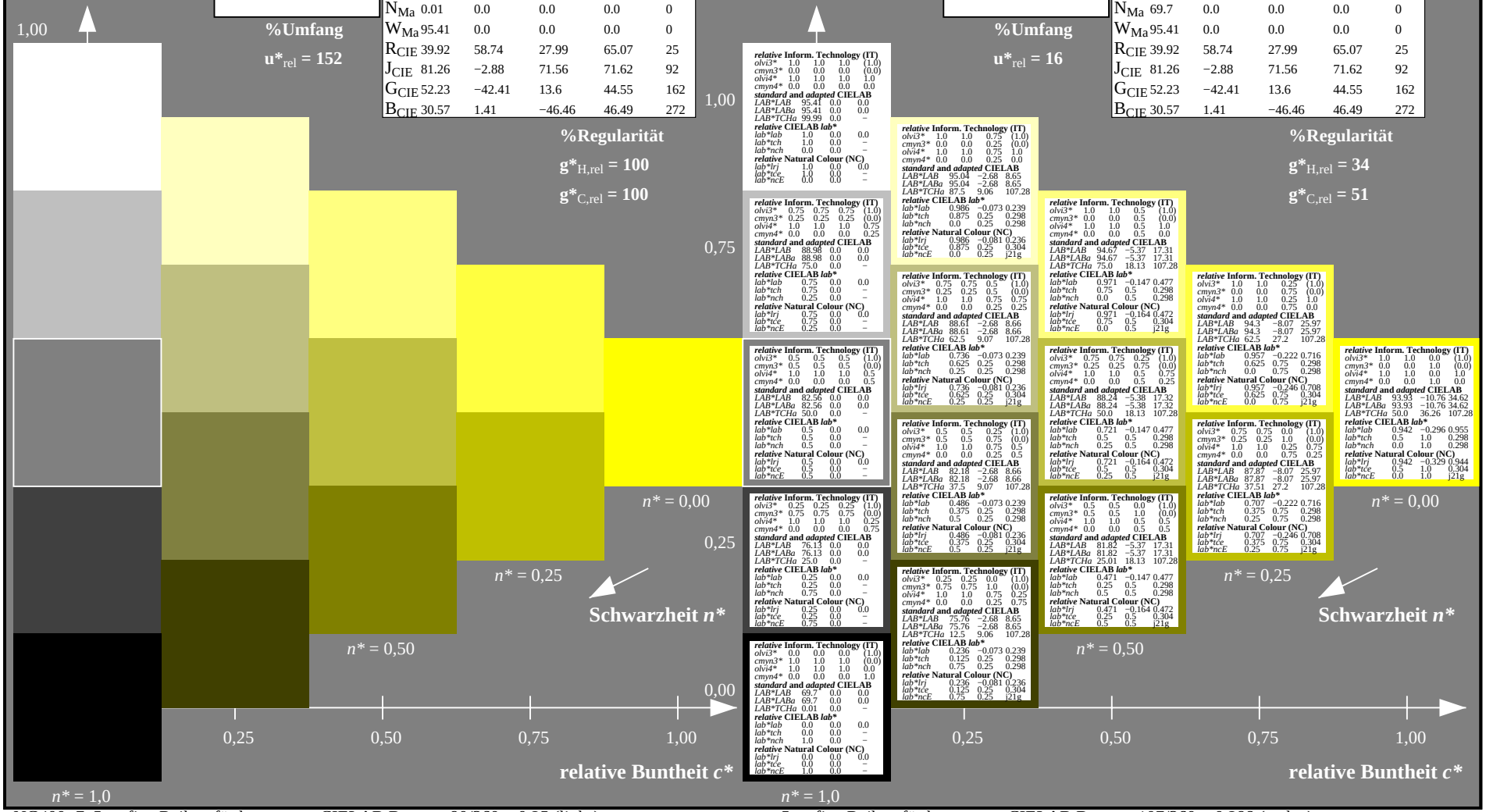


%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51



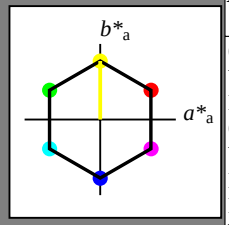
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

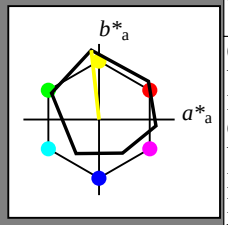
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

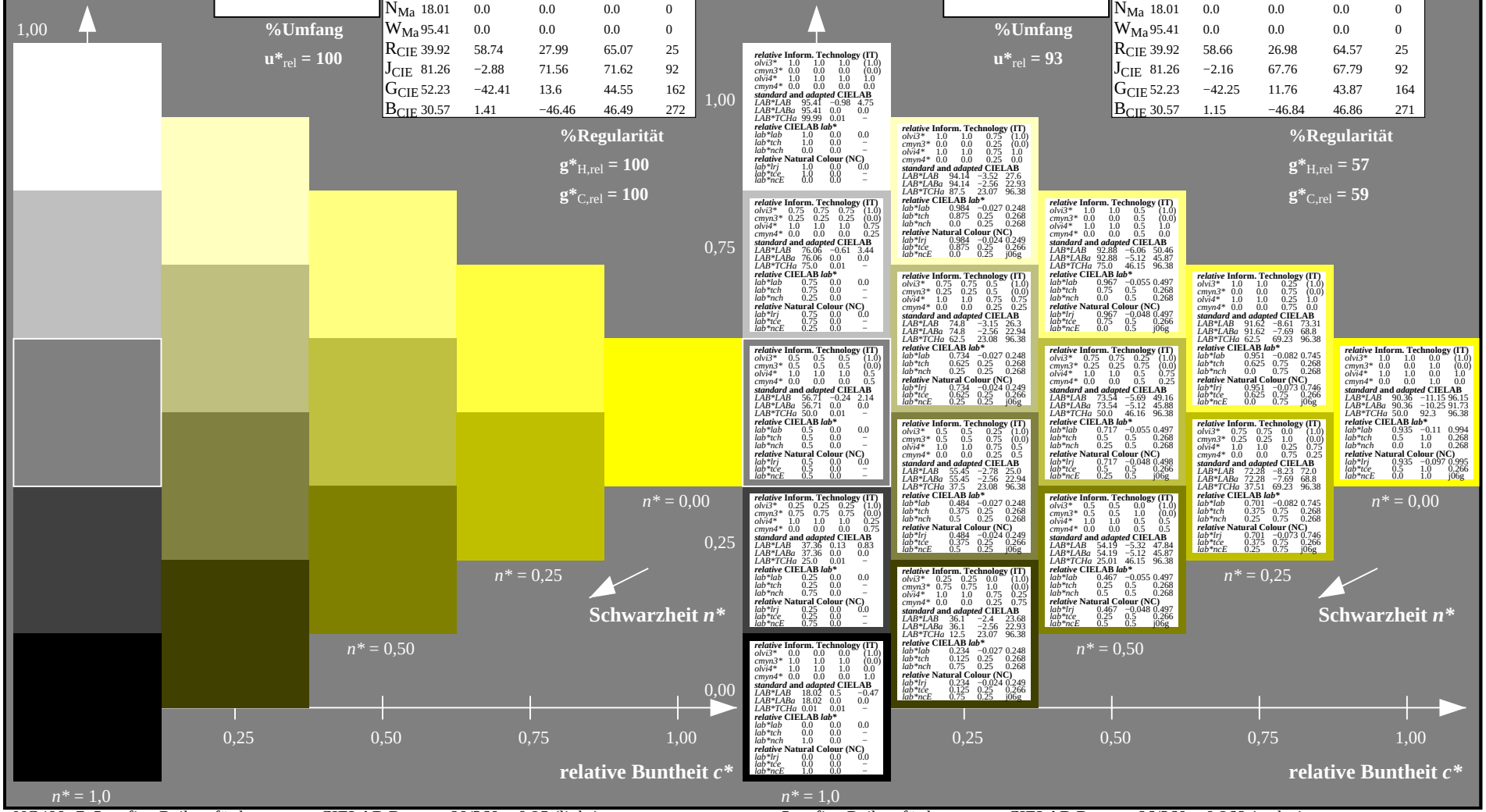


%Umfang
u^*_{rel} = 93

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



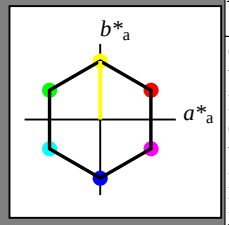
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 90/360 = 0.25*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

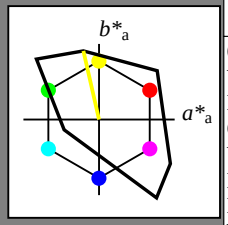
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: 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



%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

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

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

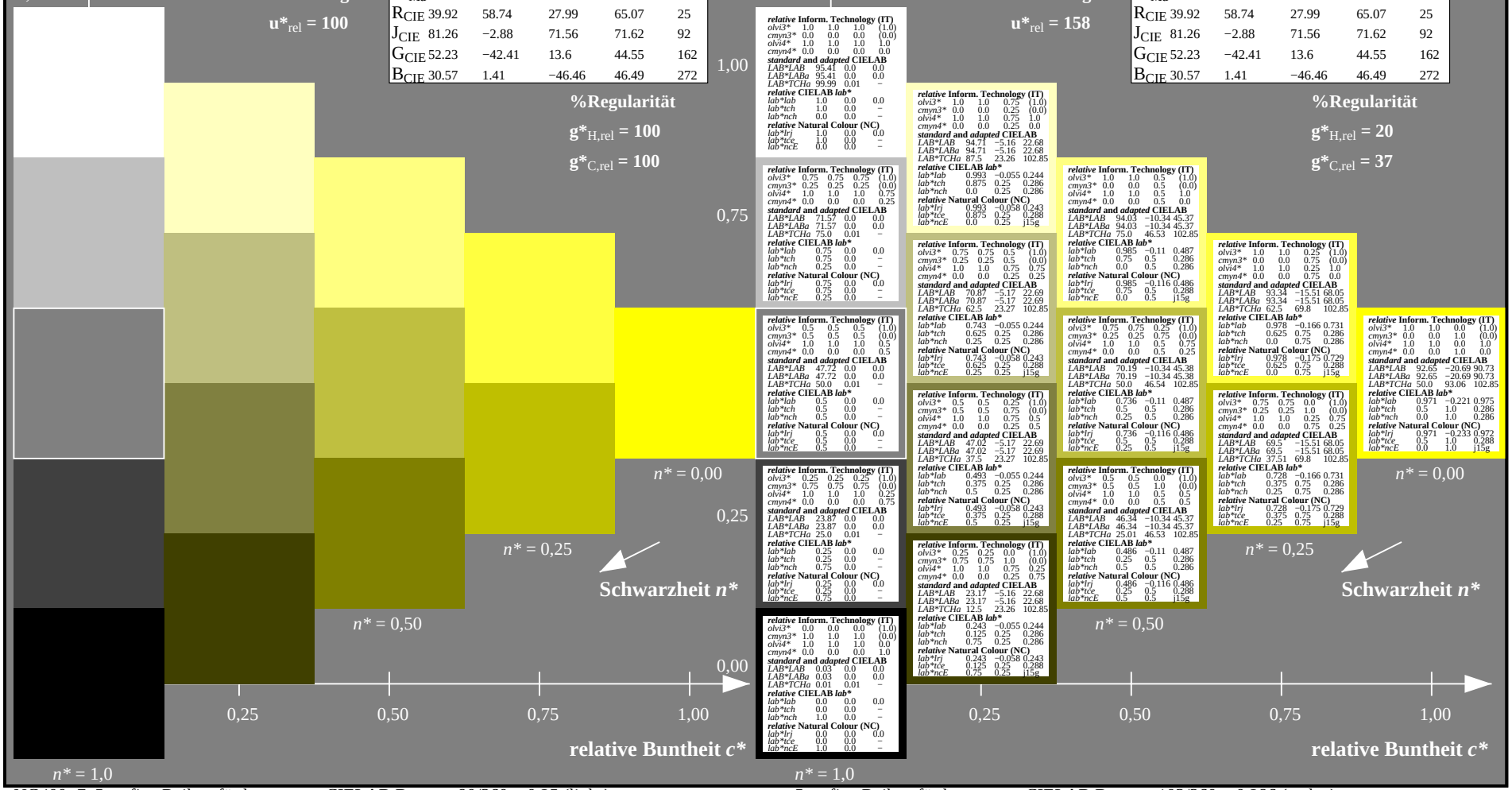
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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^*



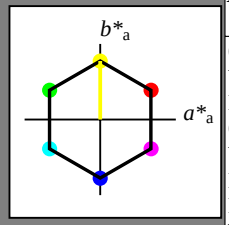
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

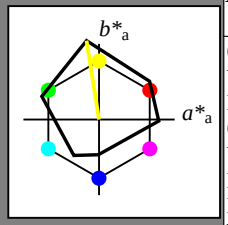
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 99/360 = 0.275***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

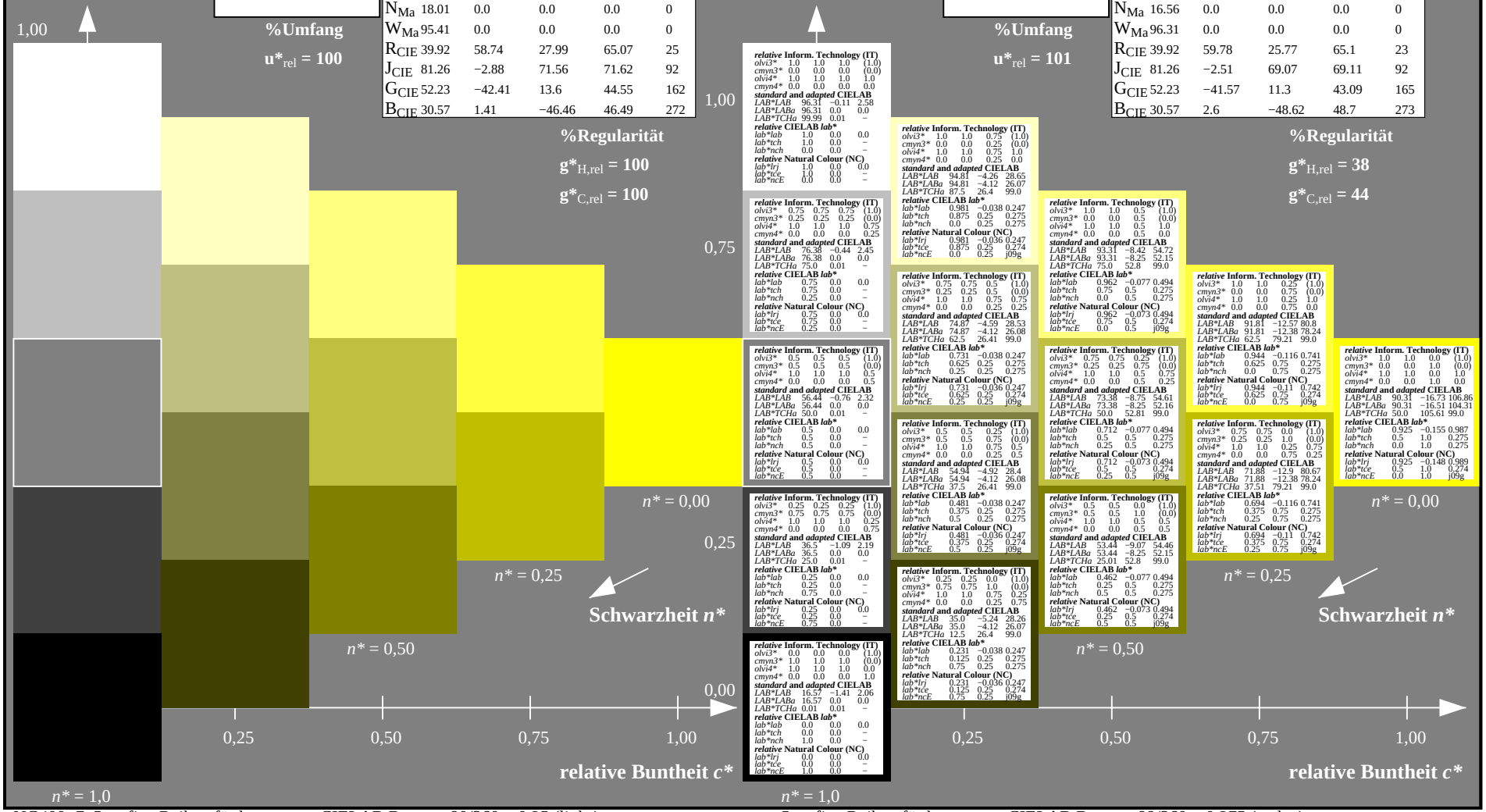
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



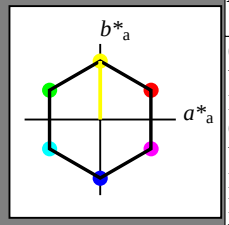
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

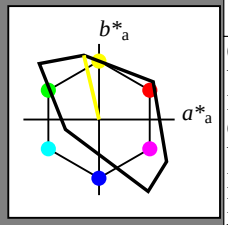
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 103/360 = 0.287***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

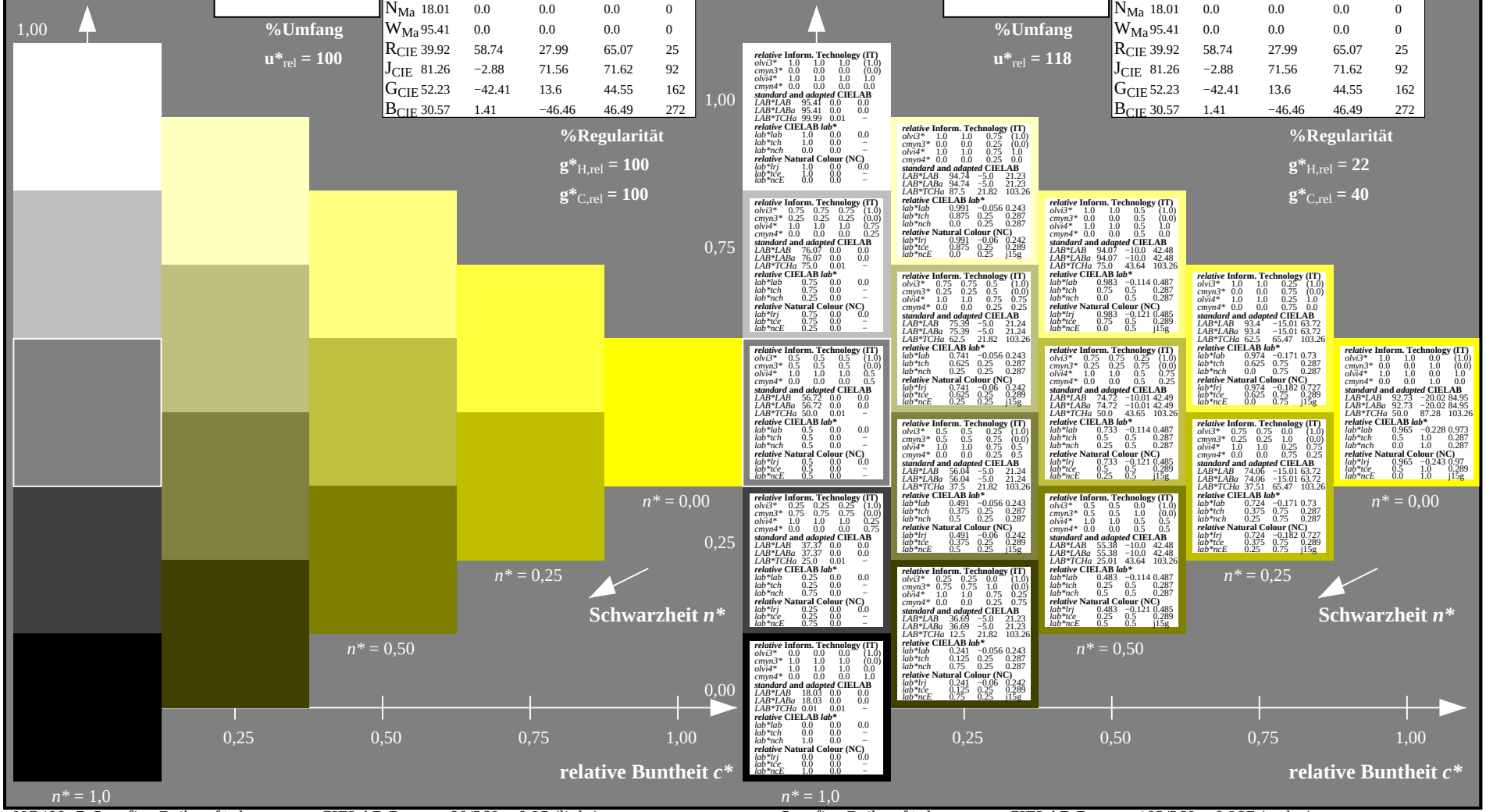


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



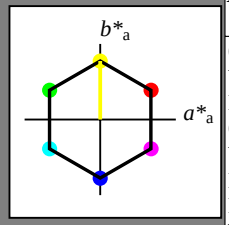
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

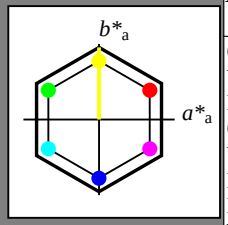
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

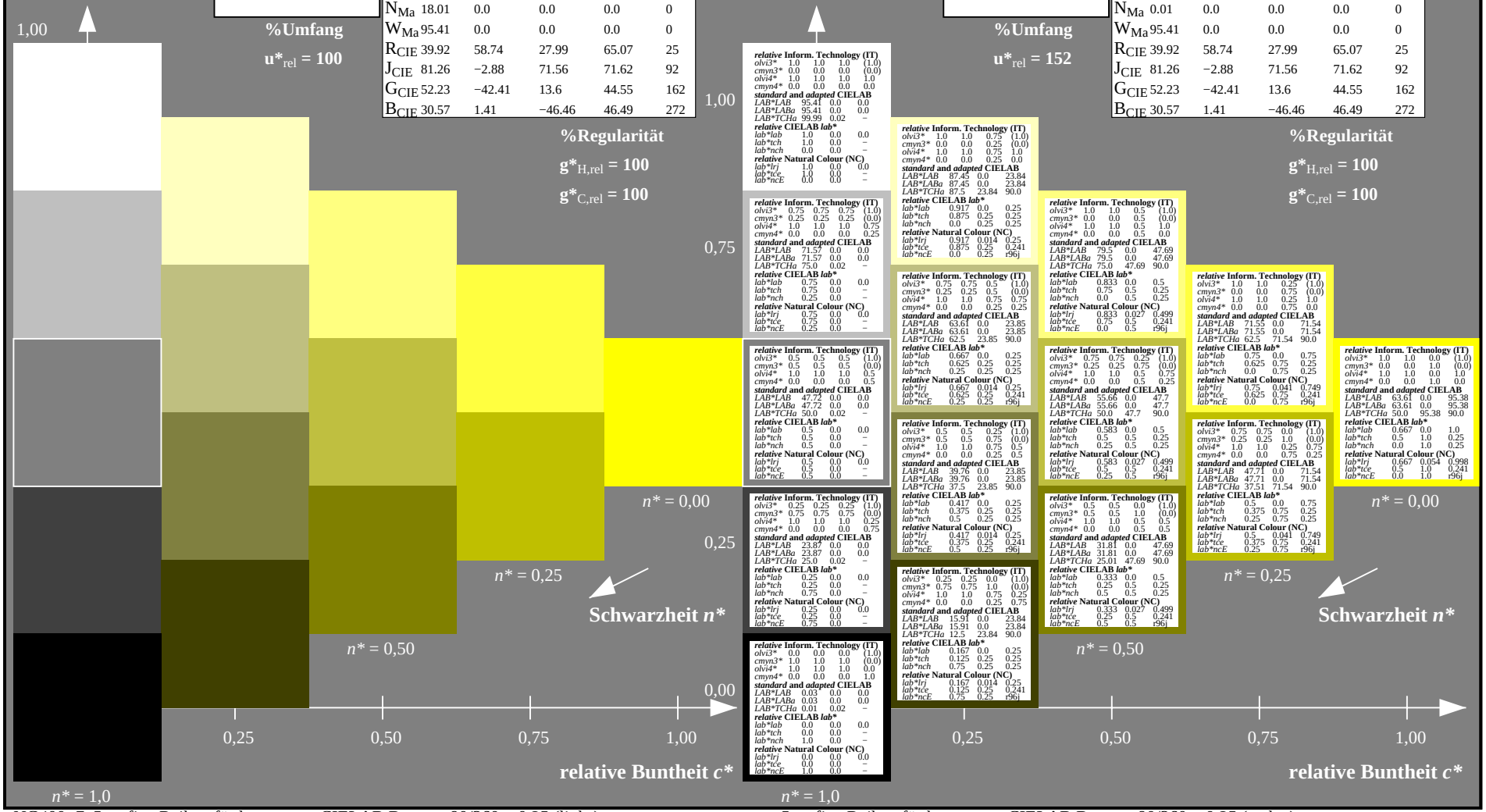


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



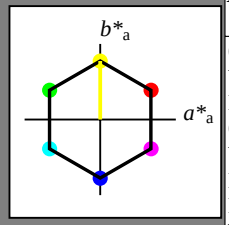
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

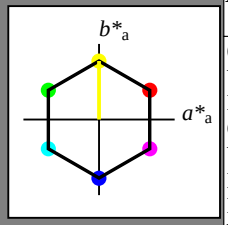
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

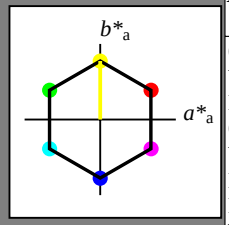
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

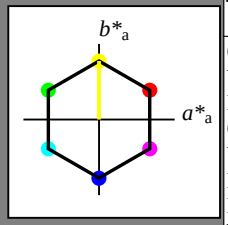
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

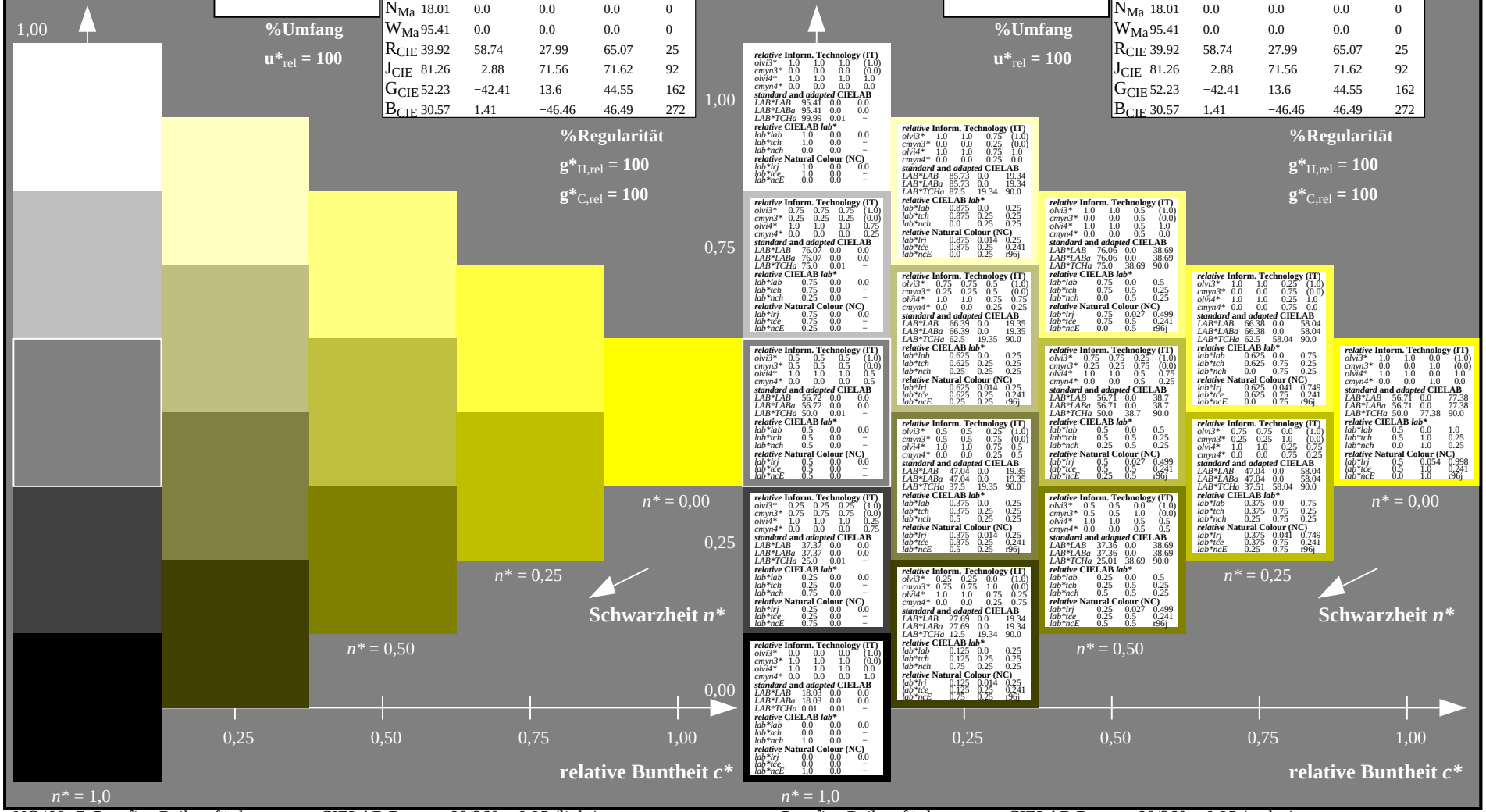


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



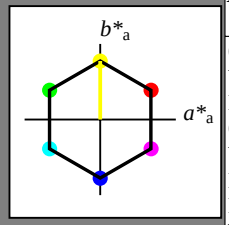
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

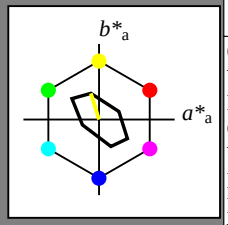
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

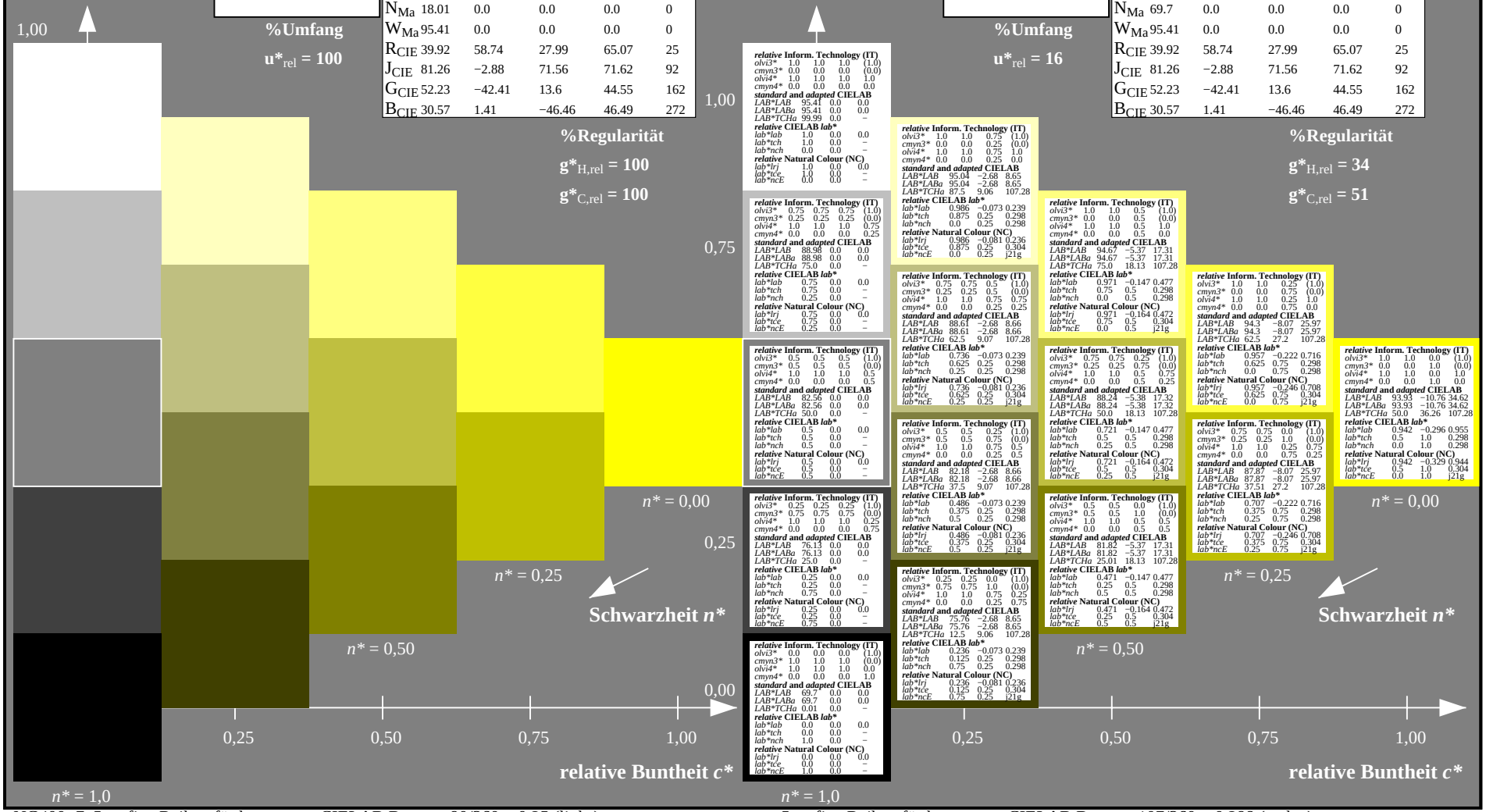
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



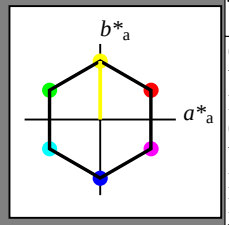
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

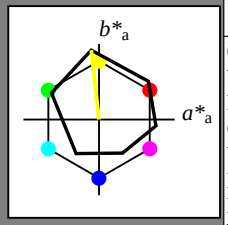
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

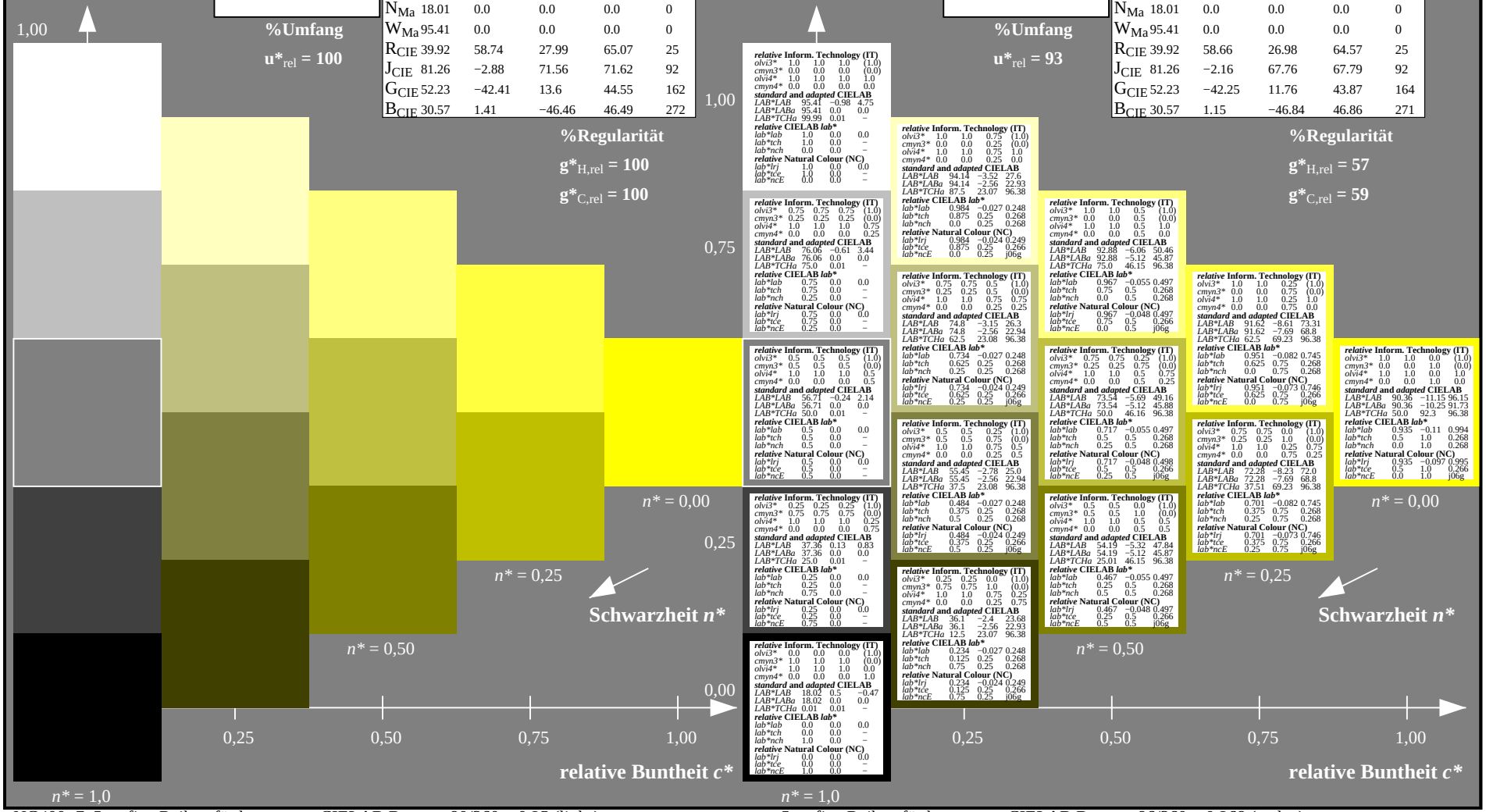
Dreiecks-Helligkeit



%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



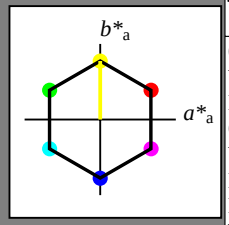
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 90/360 = 0.25*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

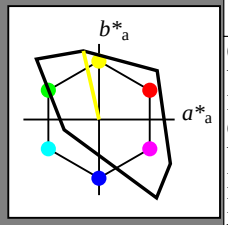
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: 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

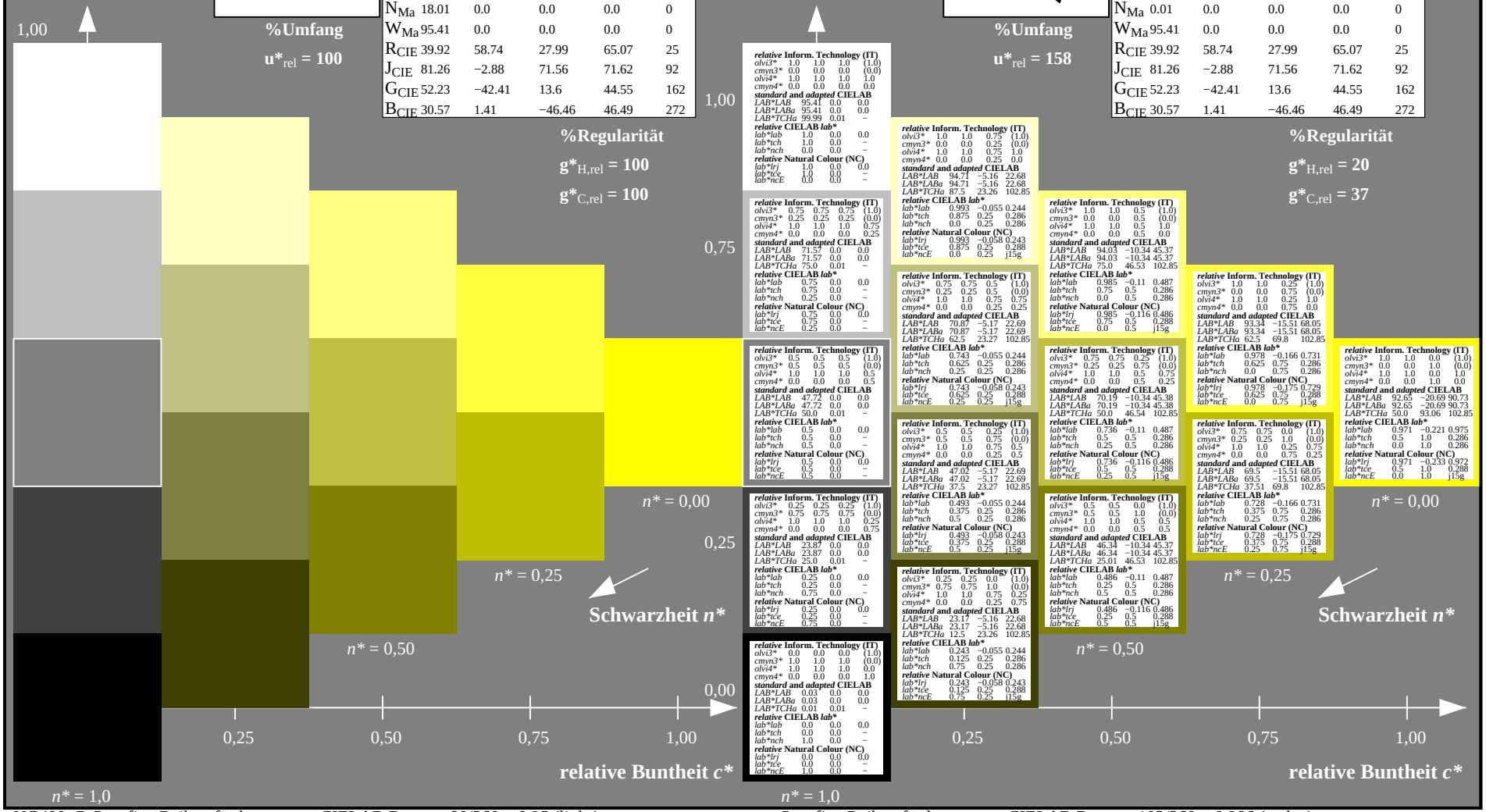
Dreiecks-Helligkeit



%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



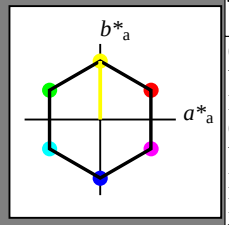
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

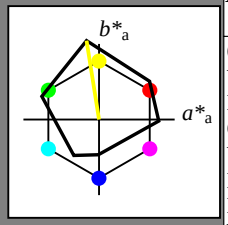
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 99/360 = 0.275***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

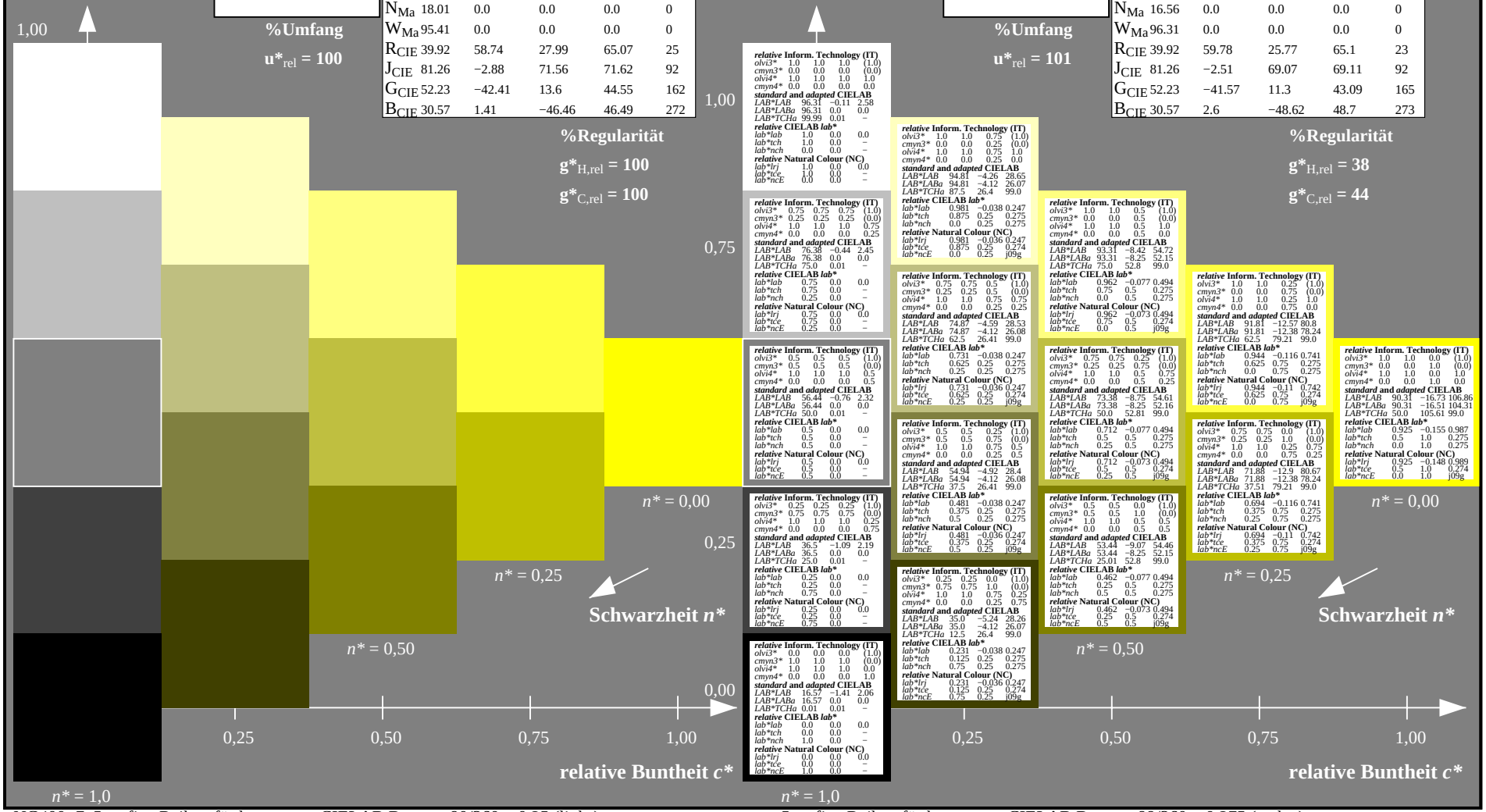


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



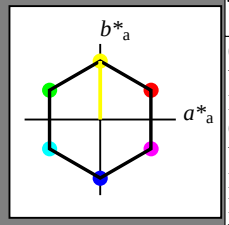
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

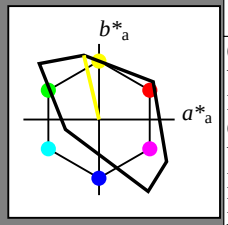
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 103/360 = 0.287***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

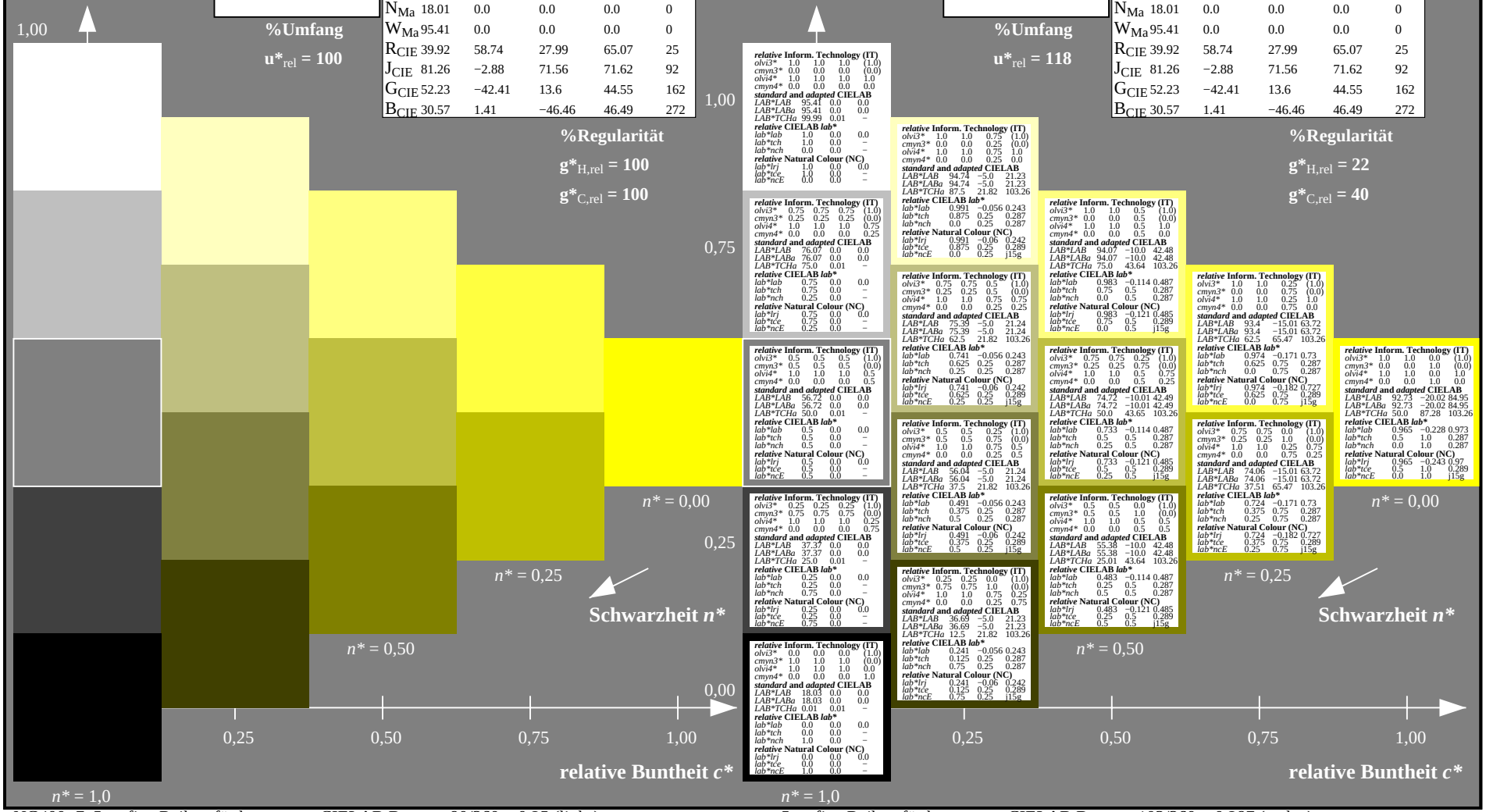


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



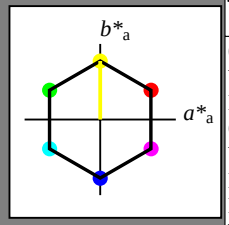
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

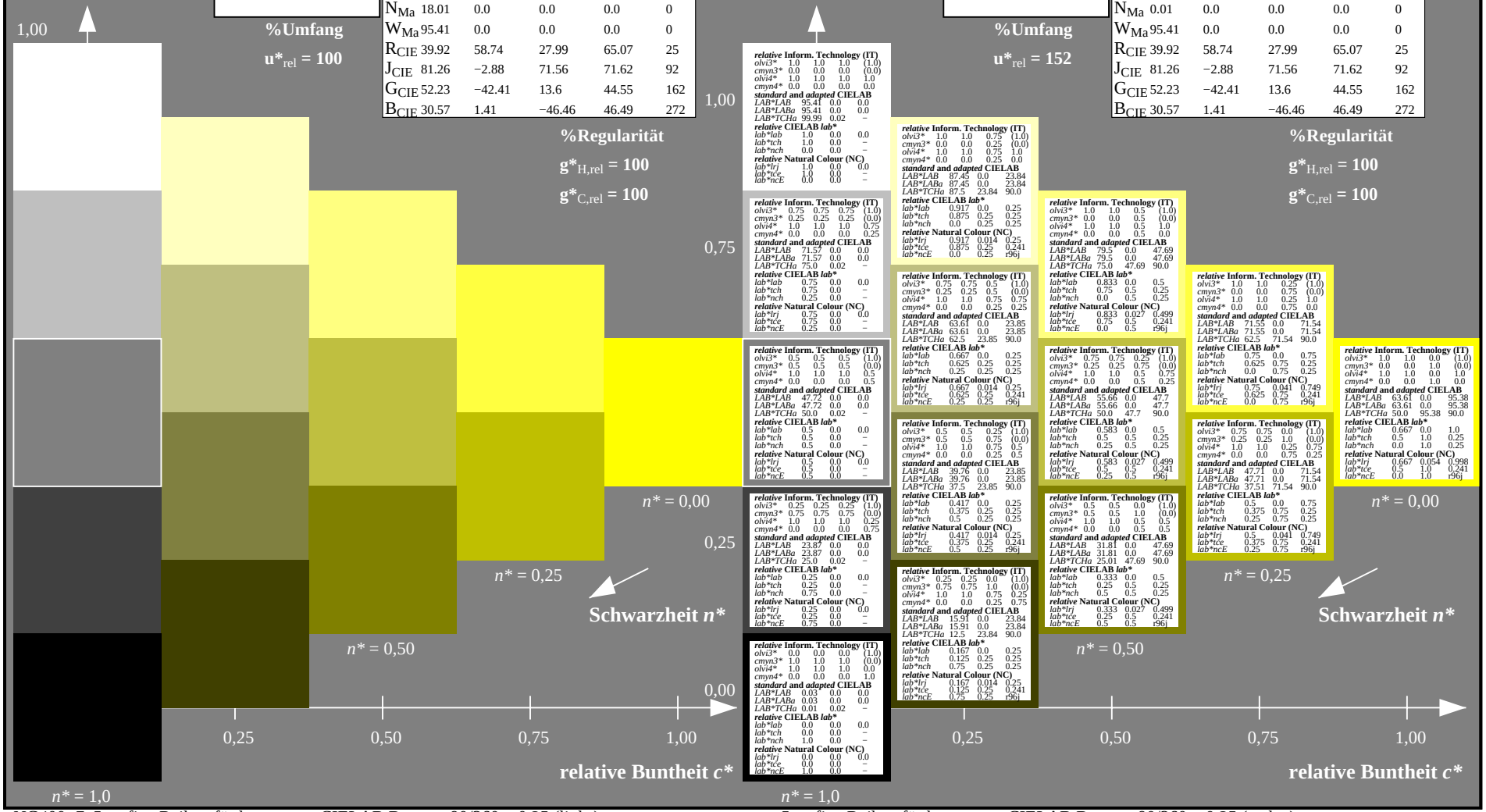


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

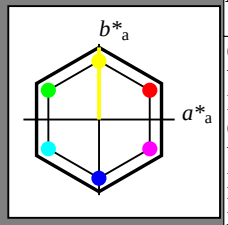
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

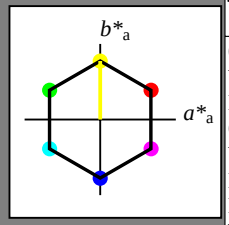
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

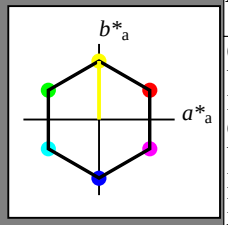
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

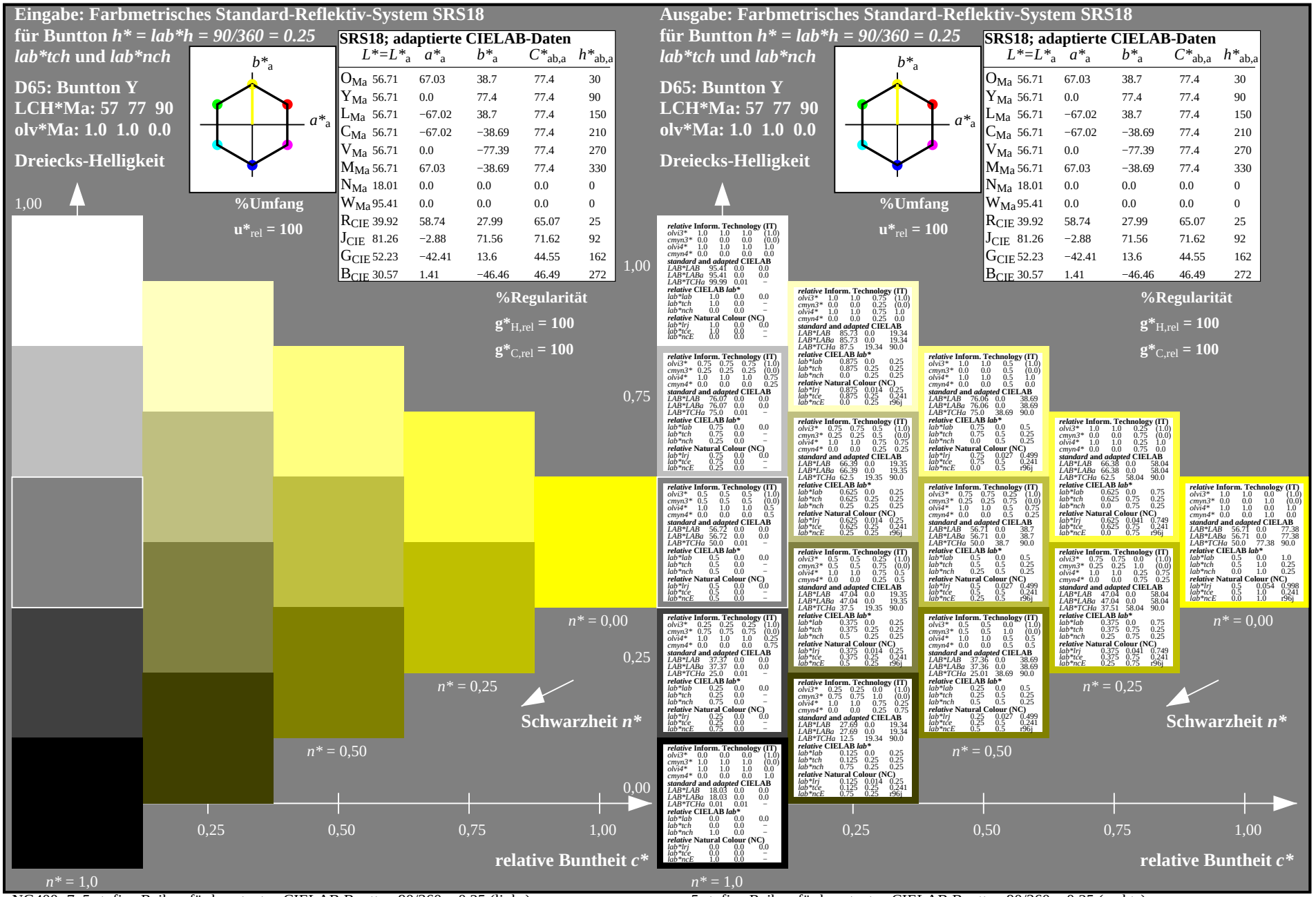
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)



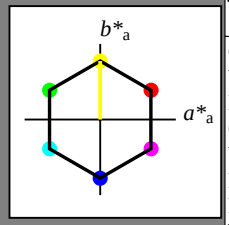
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

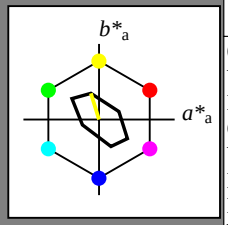
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

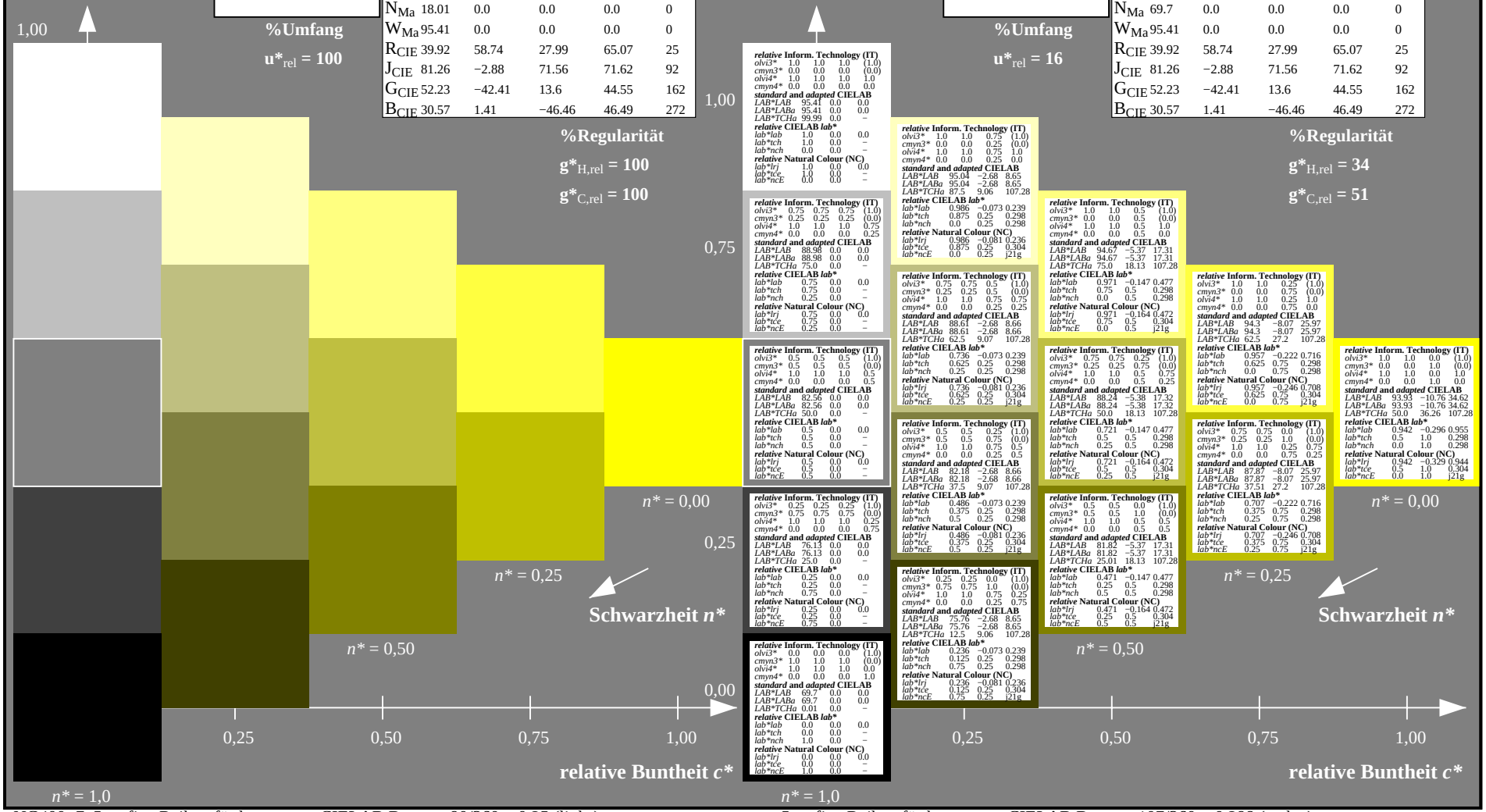
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



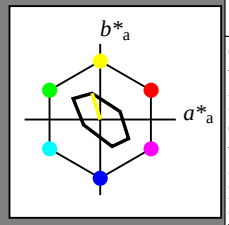
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

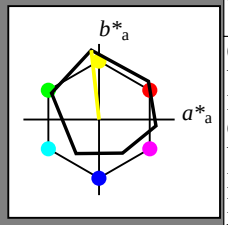
g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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



%Umfang

u*$_{rel}$ = 93

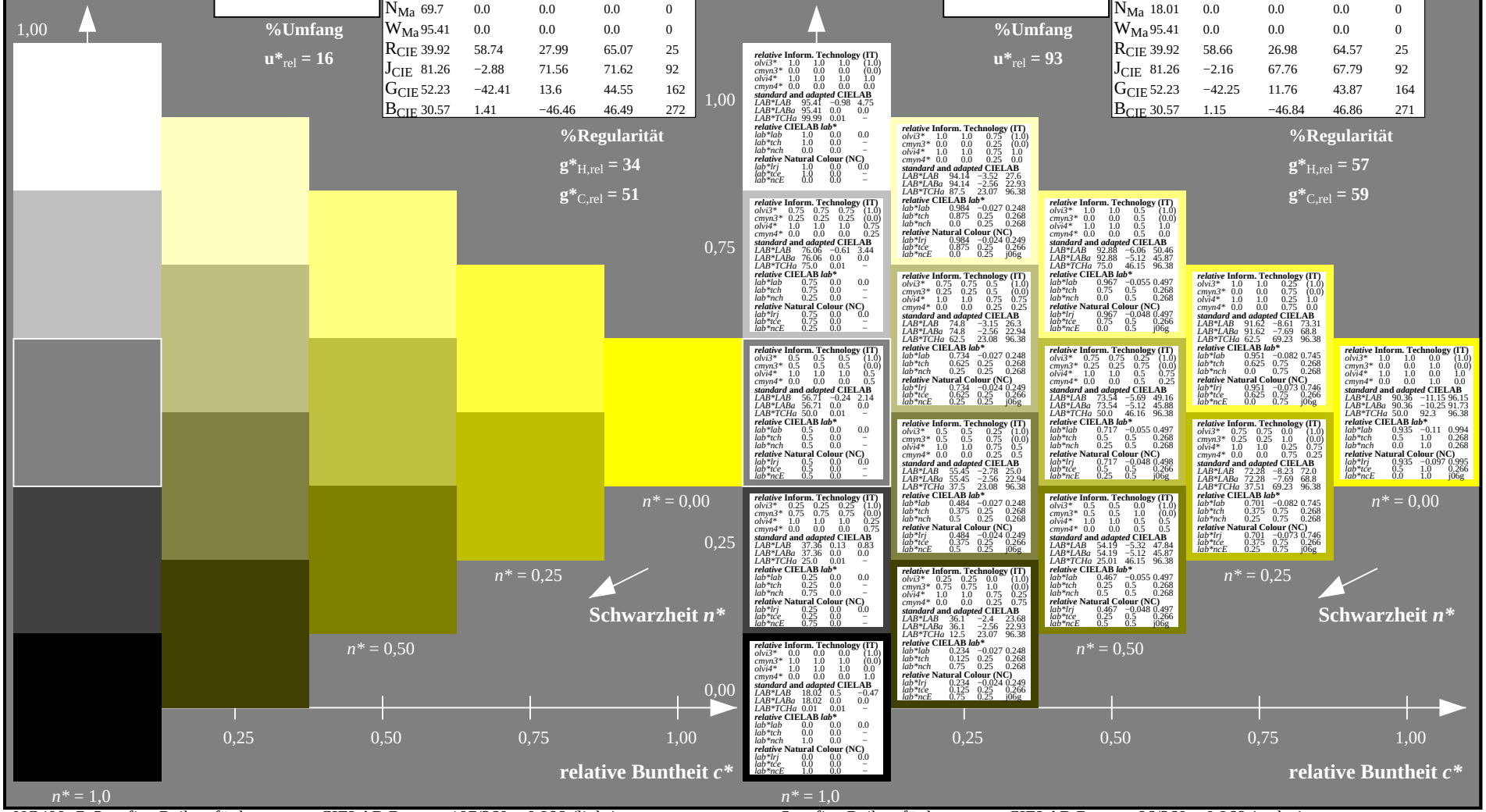
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



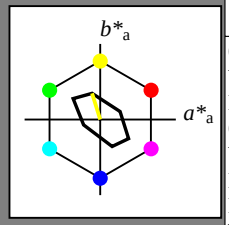
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

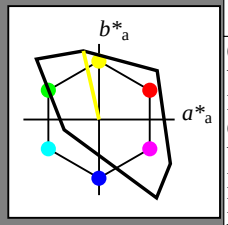
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

Ausgabe: 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

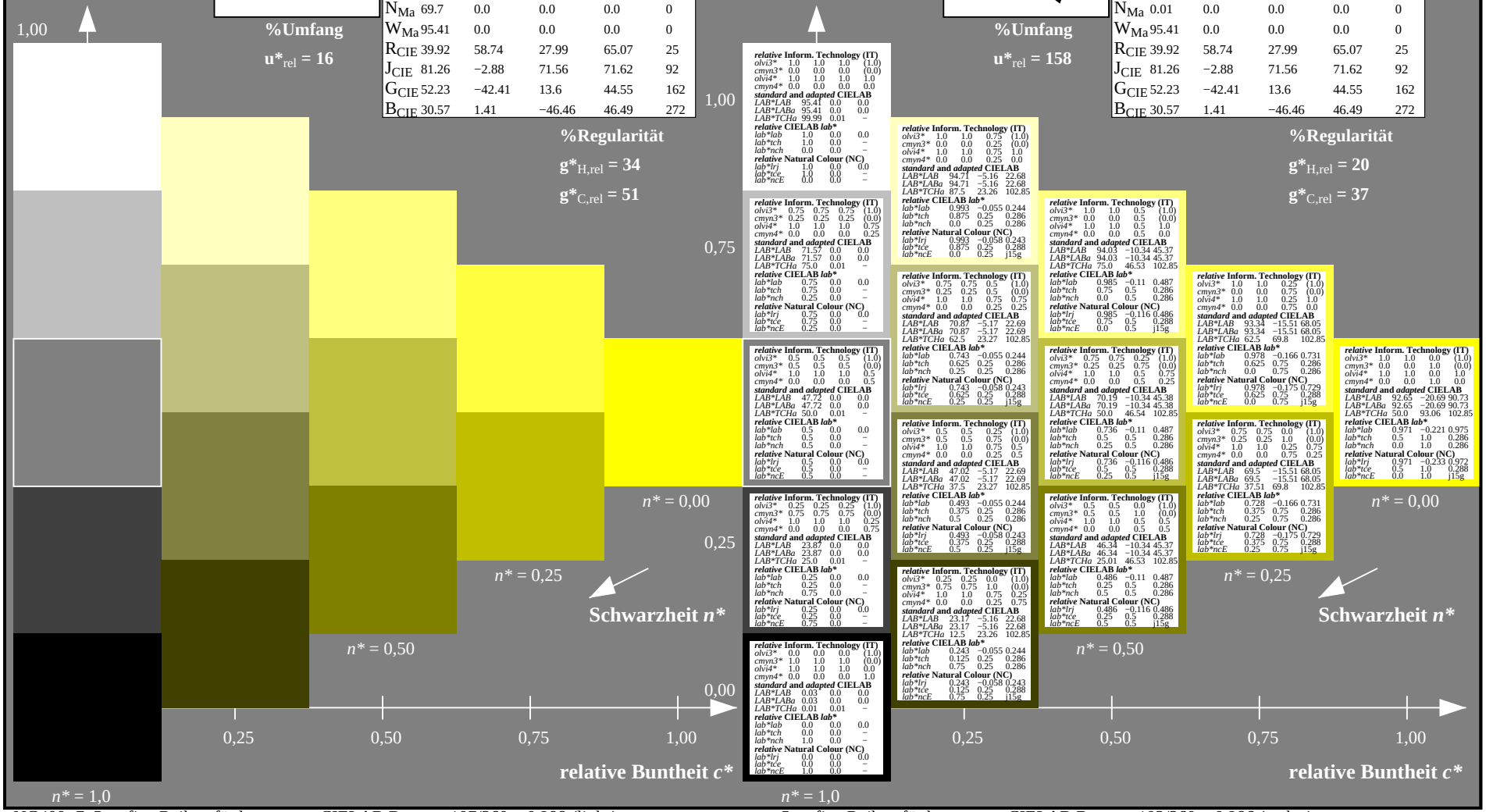


%Umfang
u*$_{rel}$ = 158

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



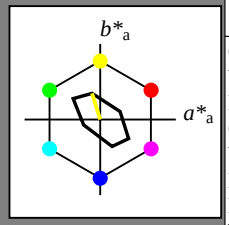
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

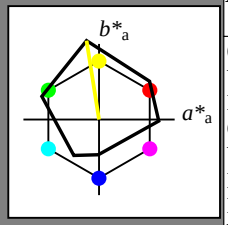
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 99/360 = 0.275*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 90 106 99
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

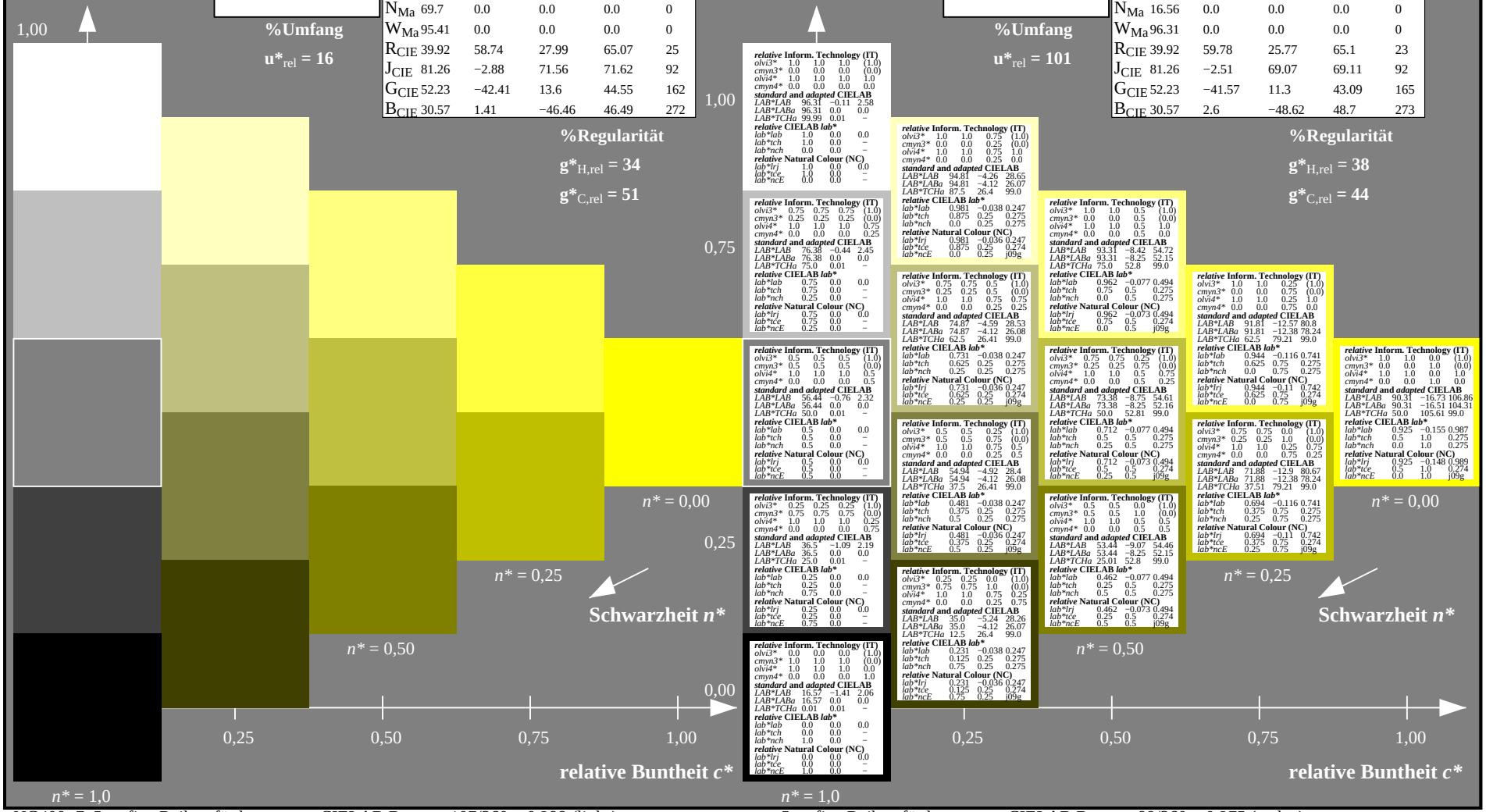


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



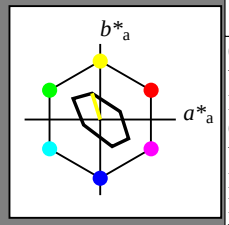
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 99/360 = 0.275 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

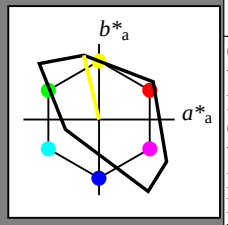
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 103/360 = 0.287*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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^*

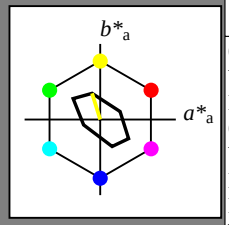
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

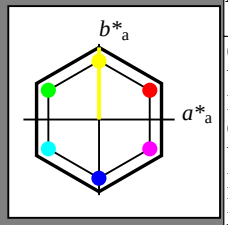
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 64 95 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

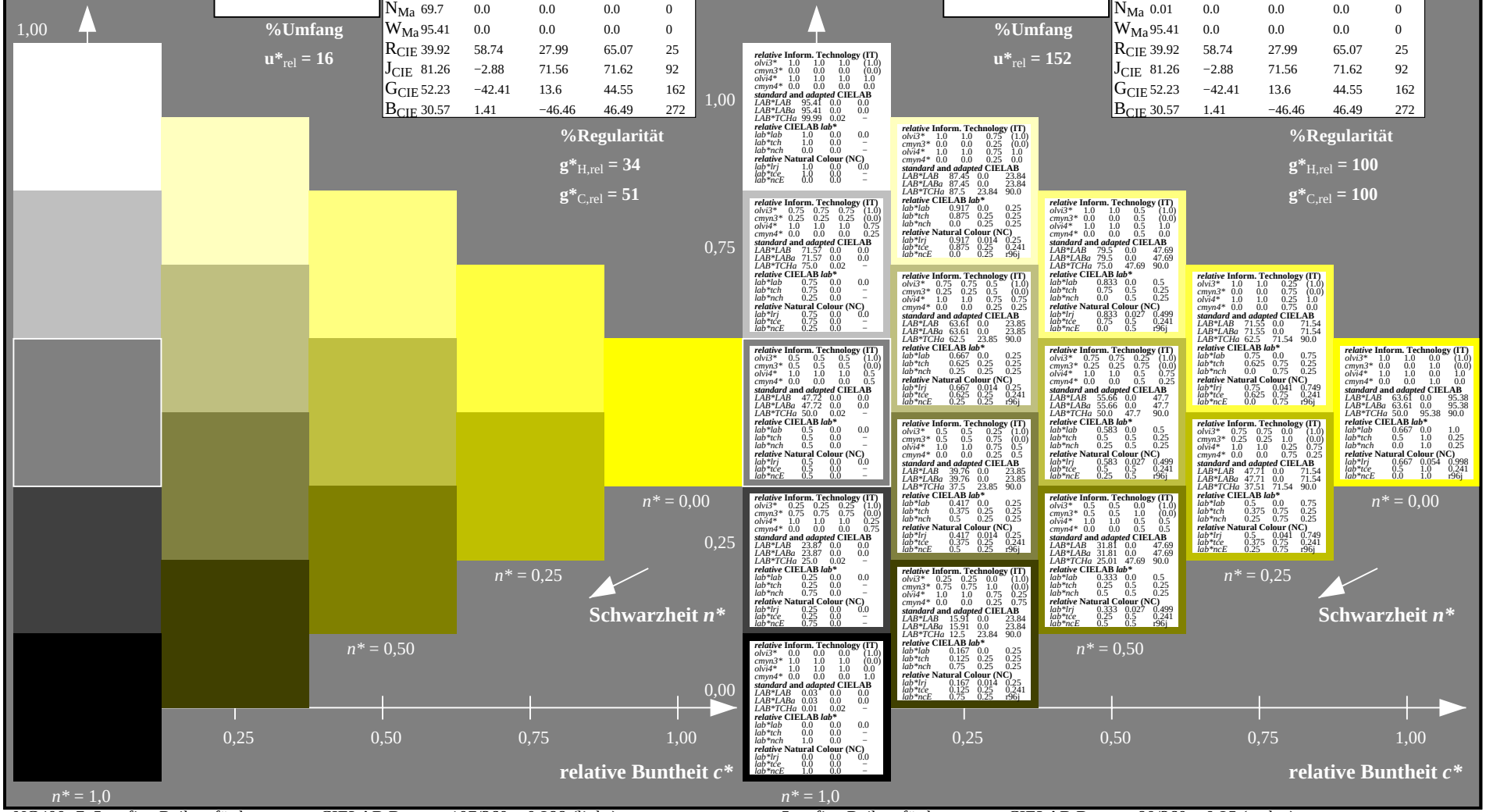


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



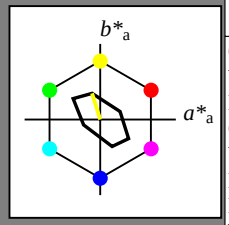
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

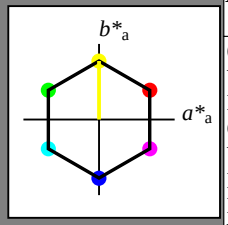
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 70 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

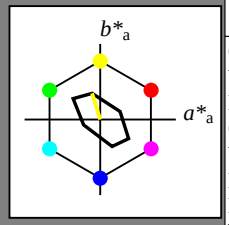
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 107/360 = 0.298***
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

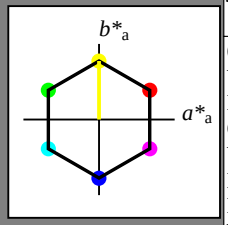
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 90/360 = 0.25**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

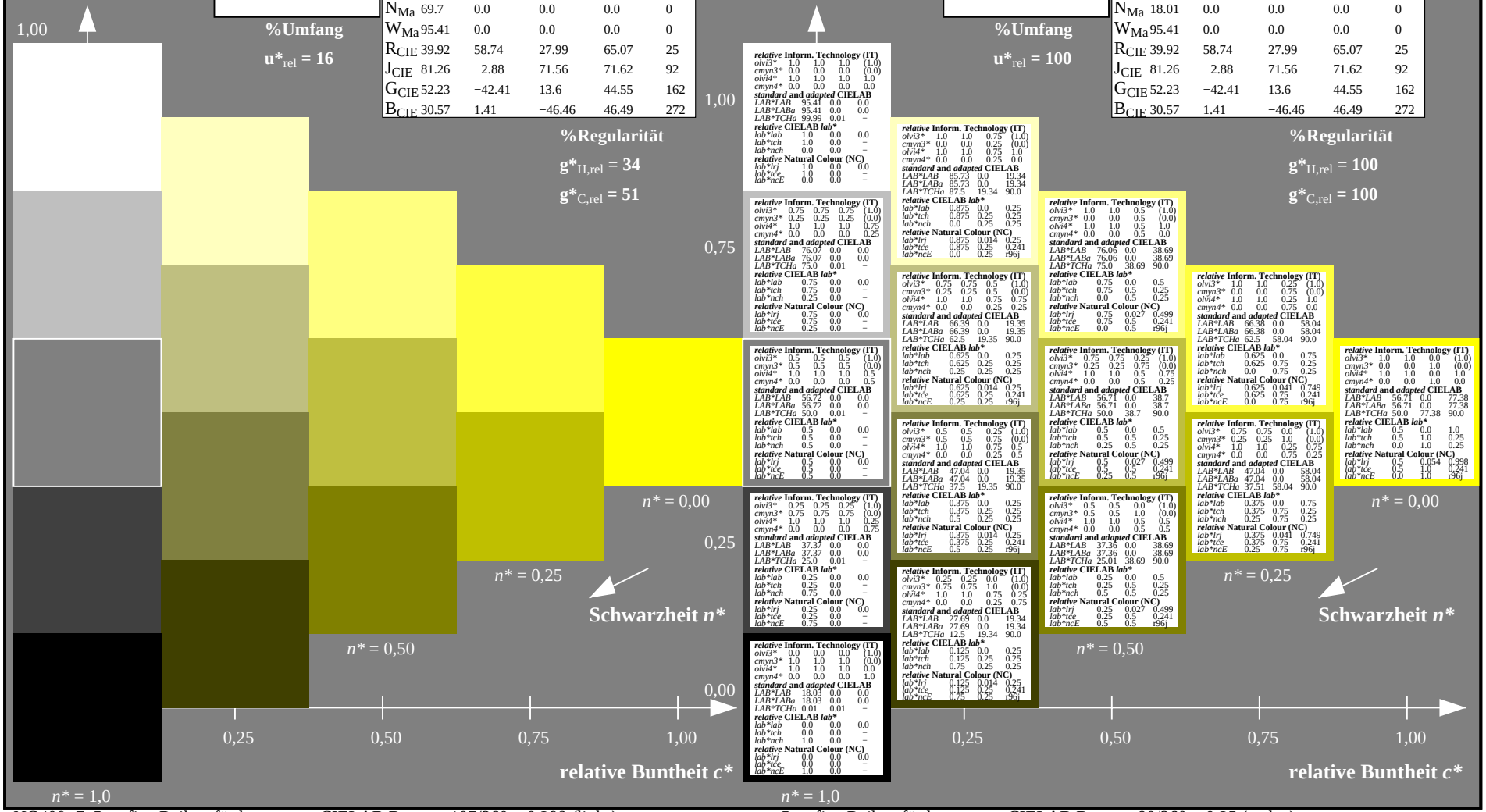


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



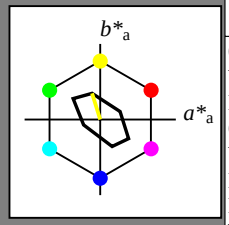
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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

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

Schwarzheit *n**

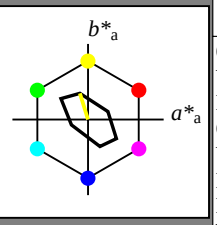
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 107/360 = 0.298*
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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

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

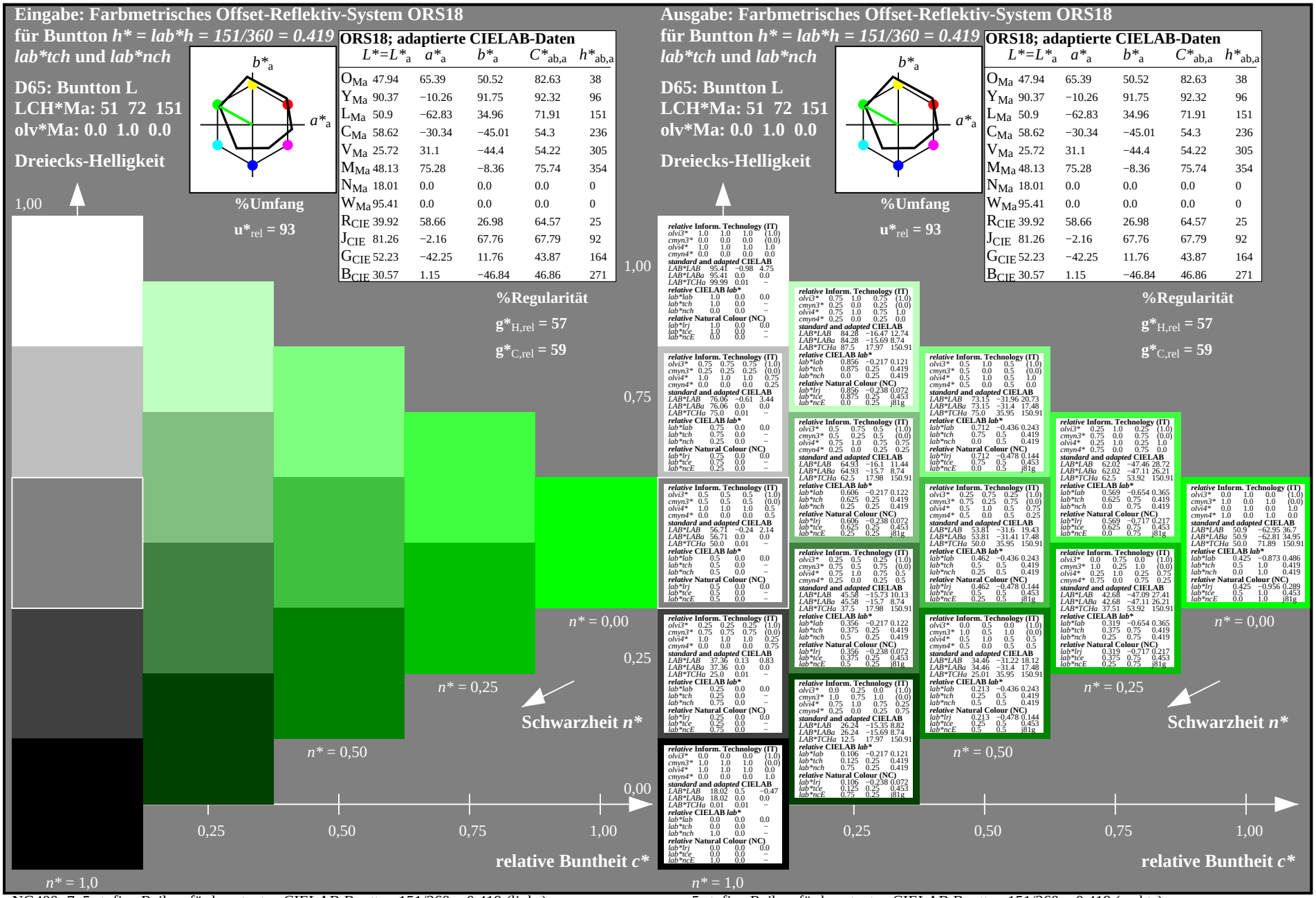
Schwarzheit *n**

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

relative Buntheit *c**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)



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

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

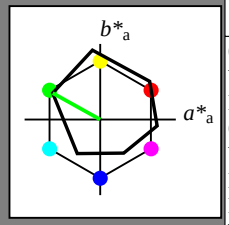
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: 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



%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

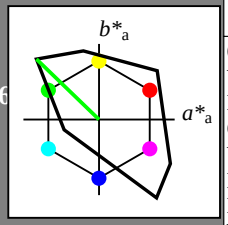
%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

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

Ausgabe: 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



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

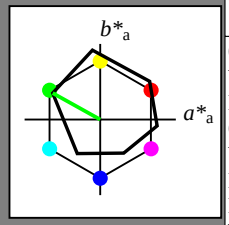
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

Eingabe: 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



%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

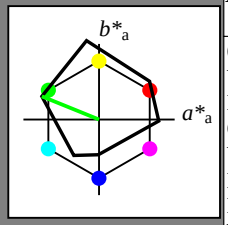
%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 158/360 = 0.439***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

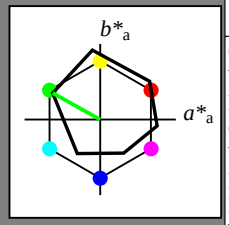
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

Eingabe: 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



%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

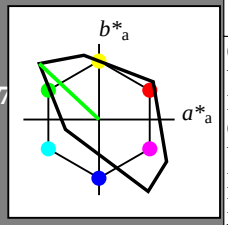
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

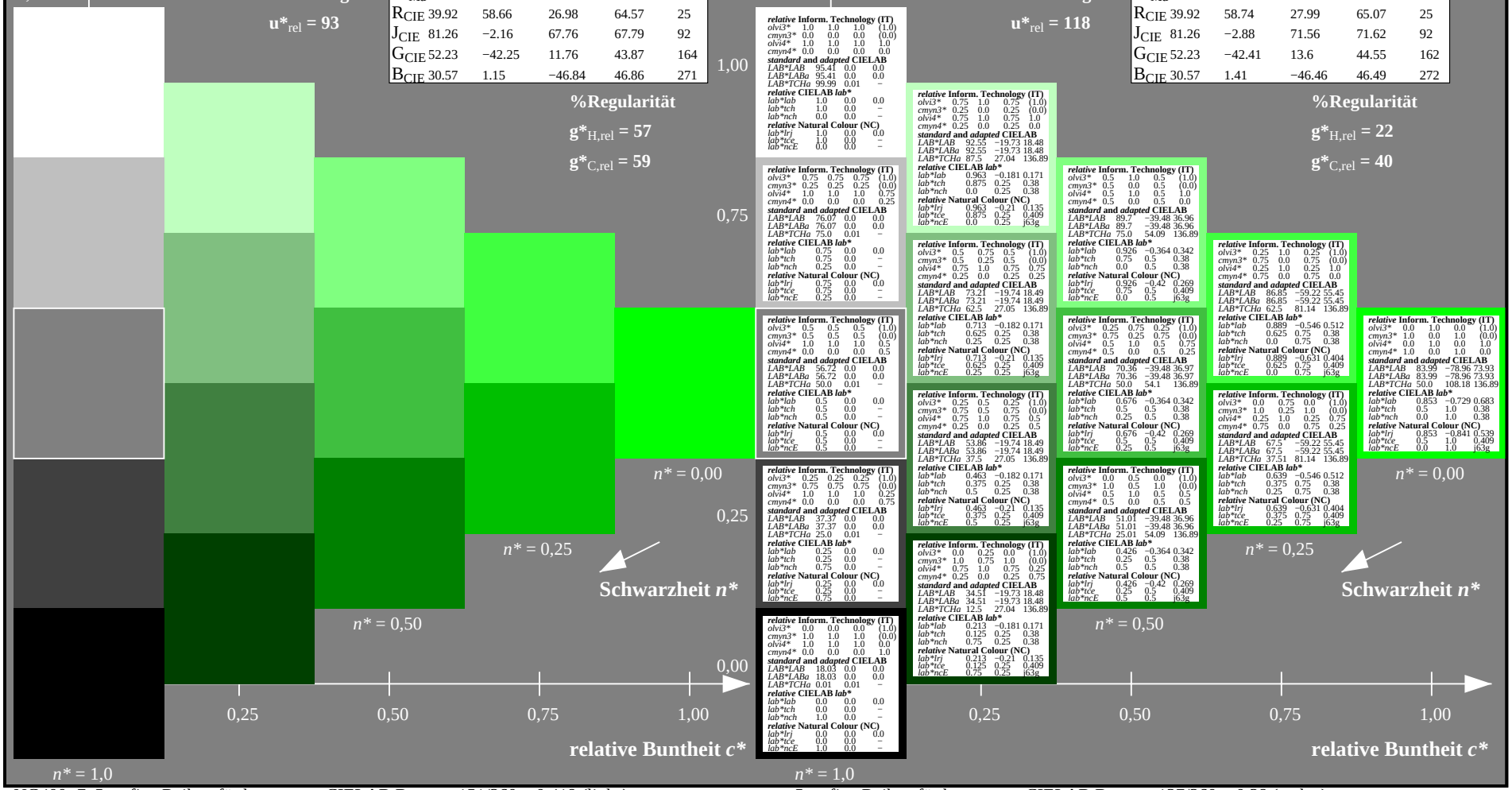


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



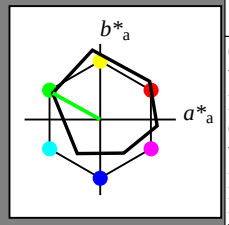
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

Eingabe: 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



%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

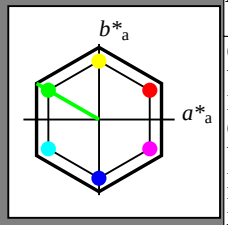
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

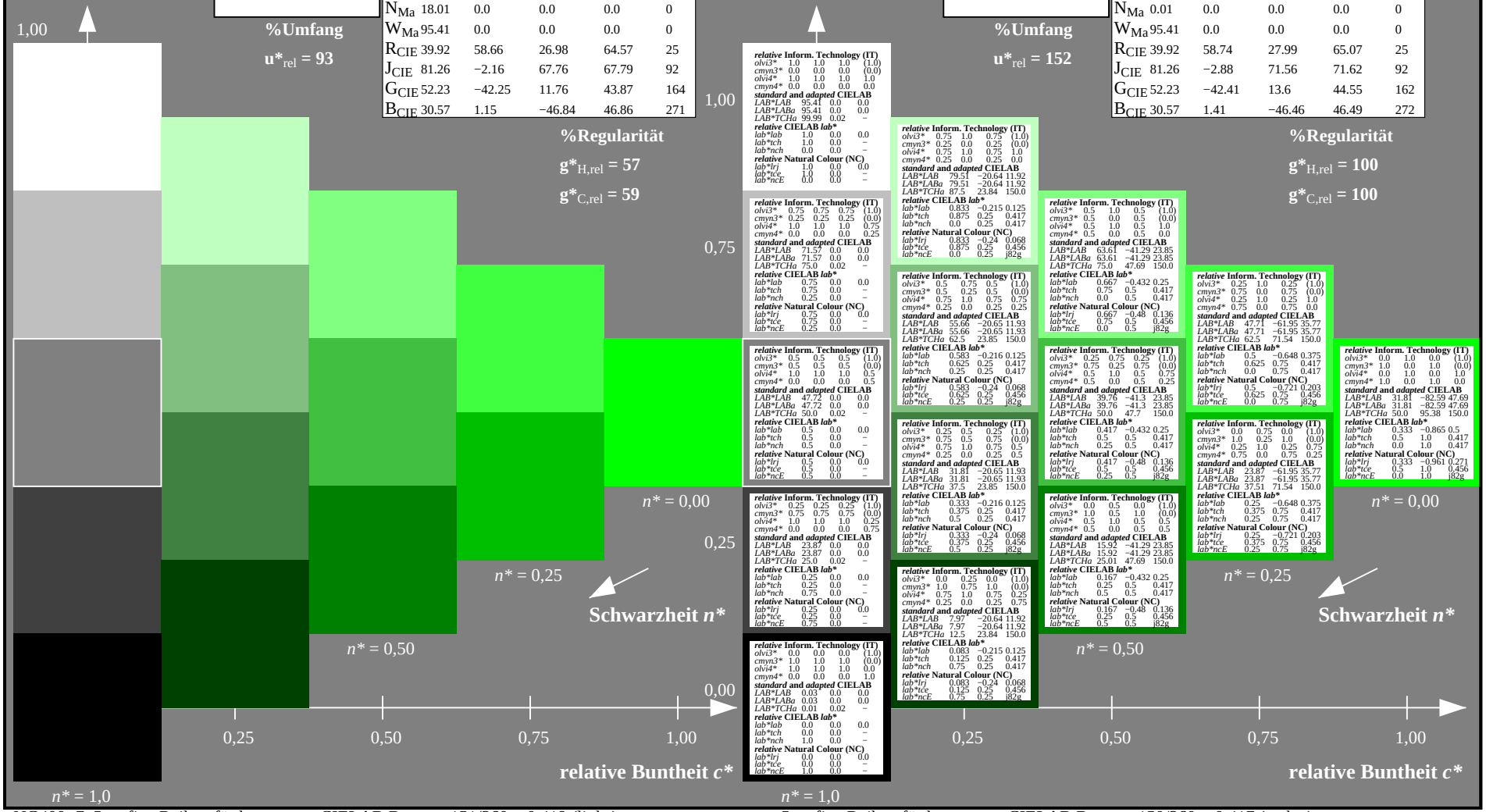


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



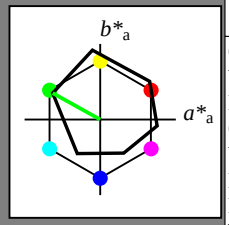
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: 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



%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

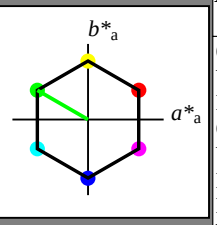
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

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

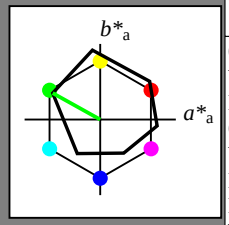
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: 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



%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

1,00

0,75

0,25

0,00

n^* = 0,00

n^* = 0,25

n^* = 0,50

n^* = 1,0

Schwarzheit *n**

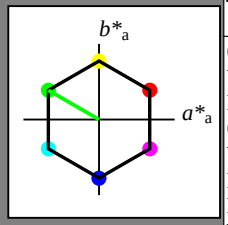
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 100

$g^*_{C,rel}$ = 100

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**

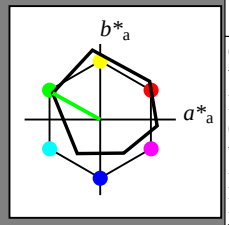
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: 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



%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

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

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

Schwarzheit *n**

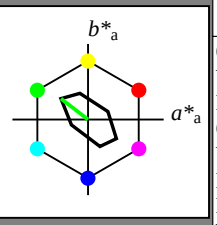
0,25 / 0,50 / 0,75 / 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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

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

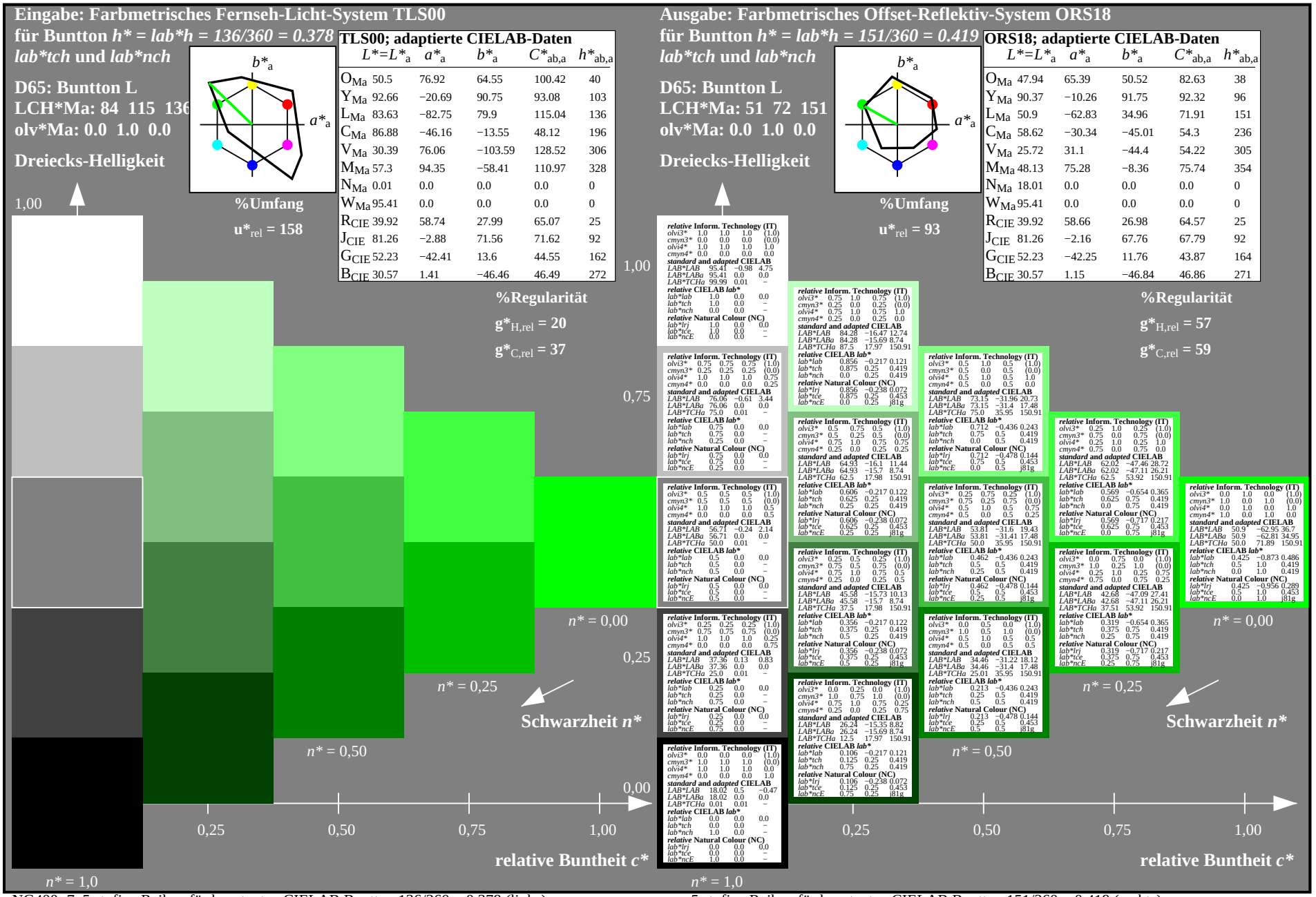
Schwarzheit *n**

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

relative Buntheit *c**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)



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

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

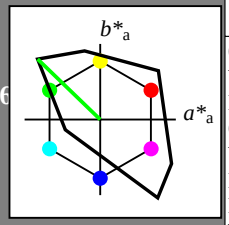
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

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



%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**

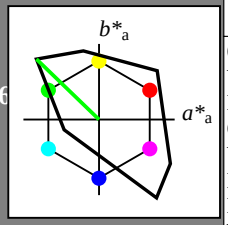
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches 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



%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**

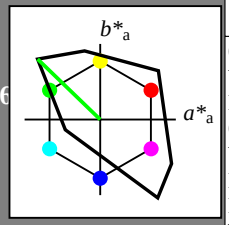
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

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



%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

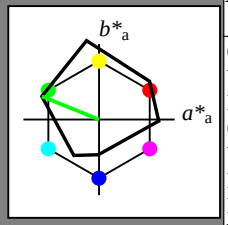
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 158/360 = 0.439***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

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

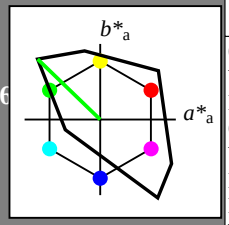
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

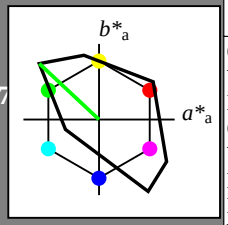
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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**

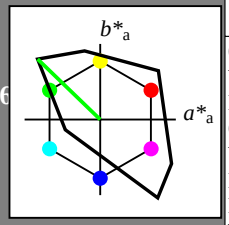
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

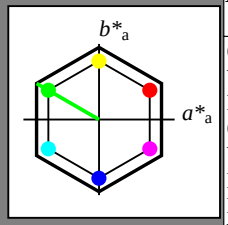
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417**
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

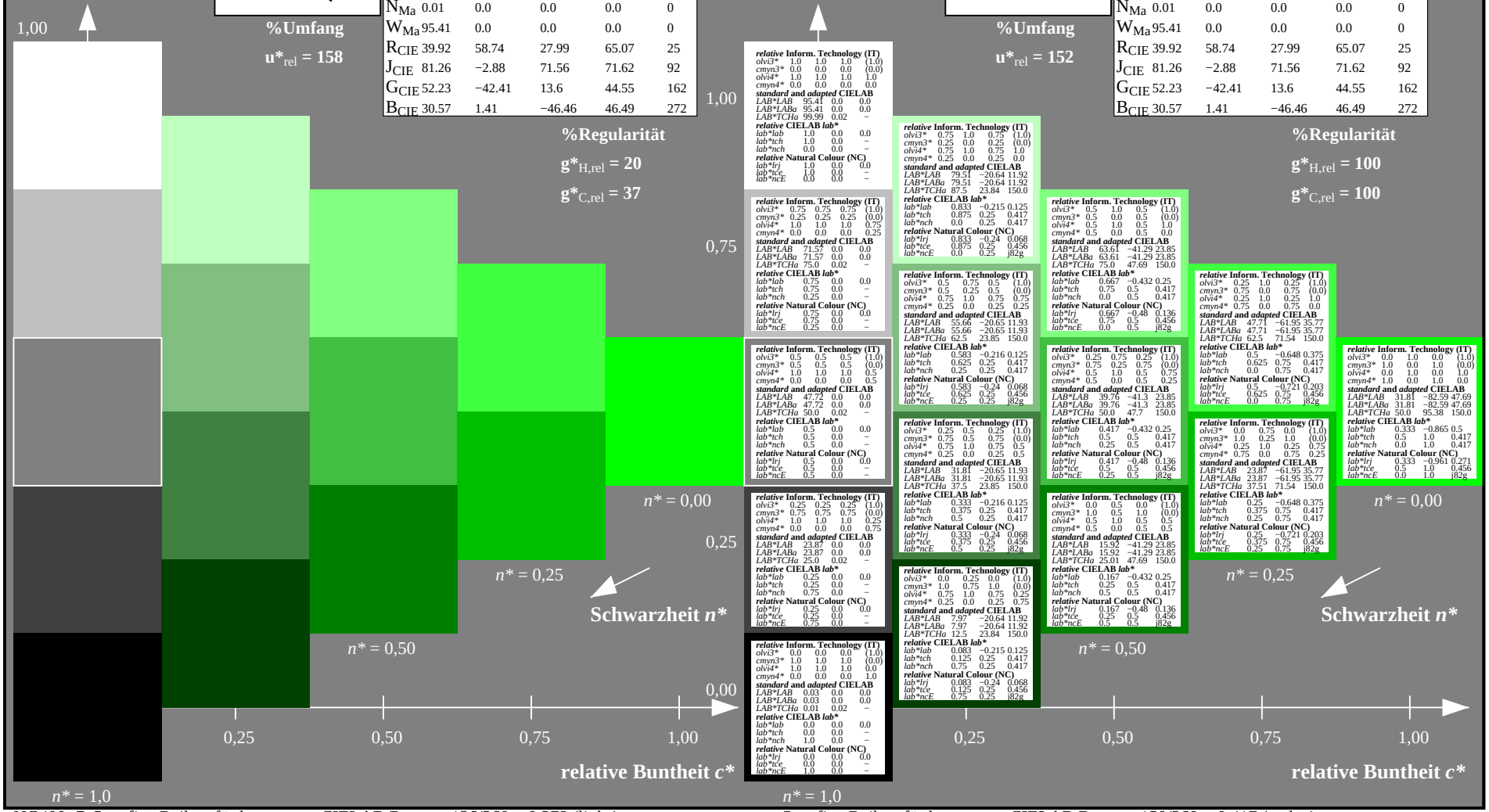


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



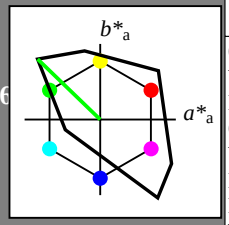
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

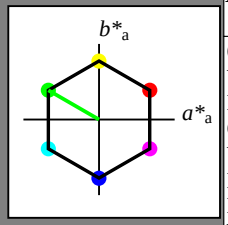
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

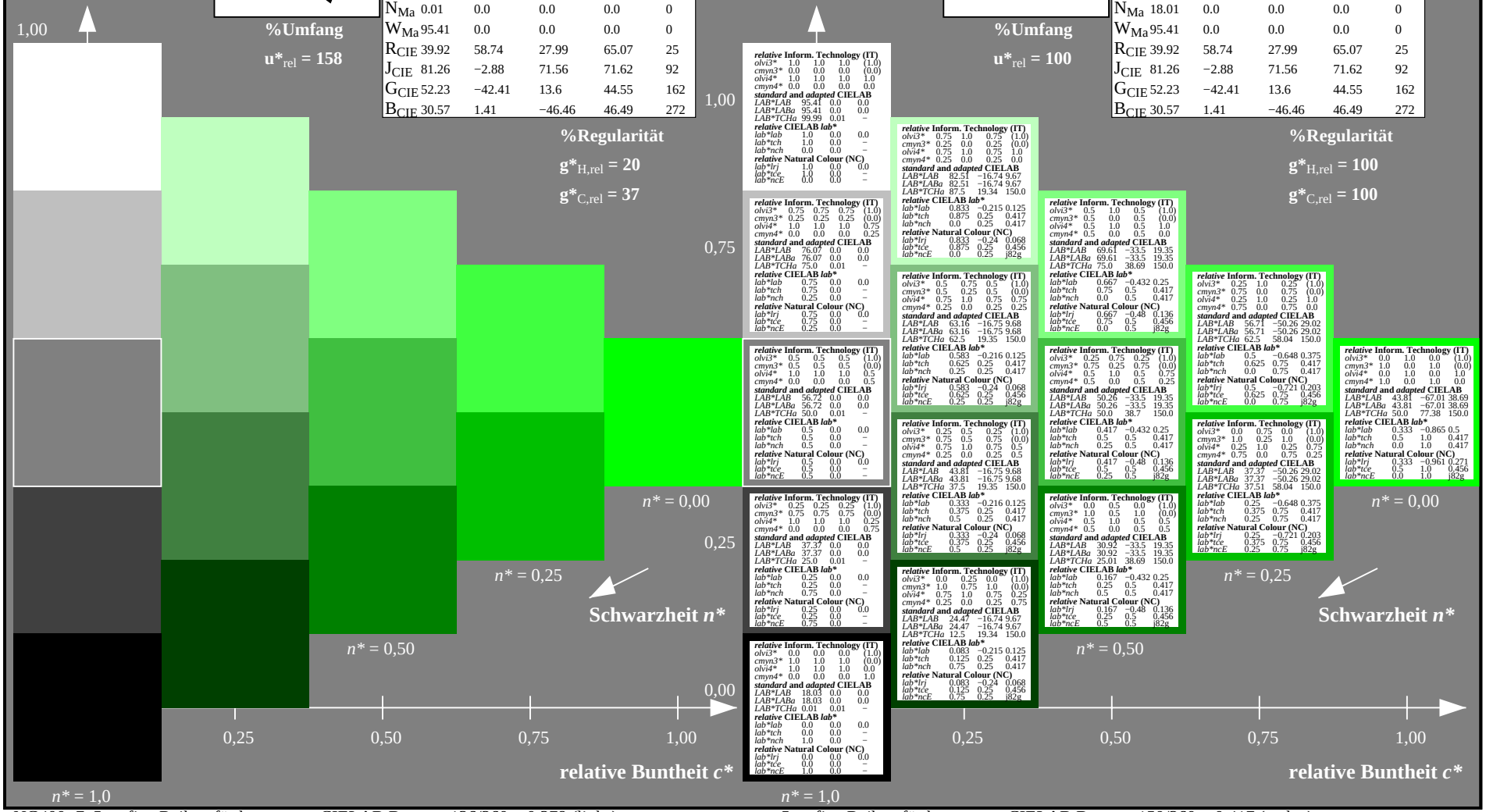


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



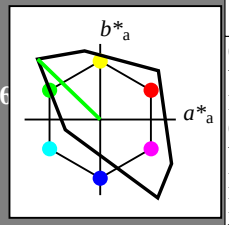
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

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



%Umfang
u*rel = 158

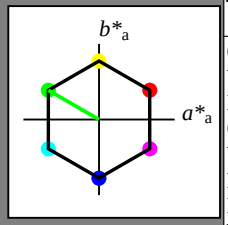
TLS00; adaptierte CIELAB-Daten

	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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

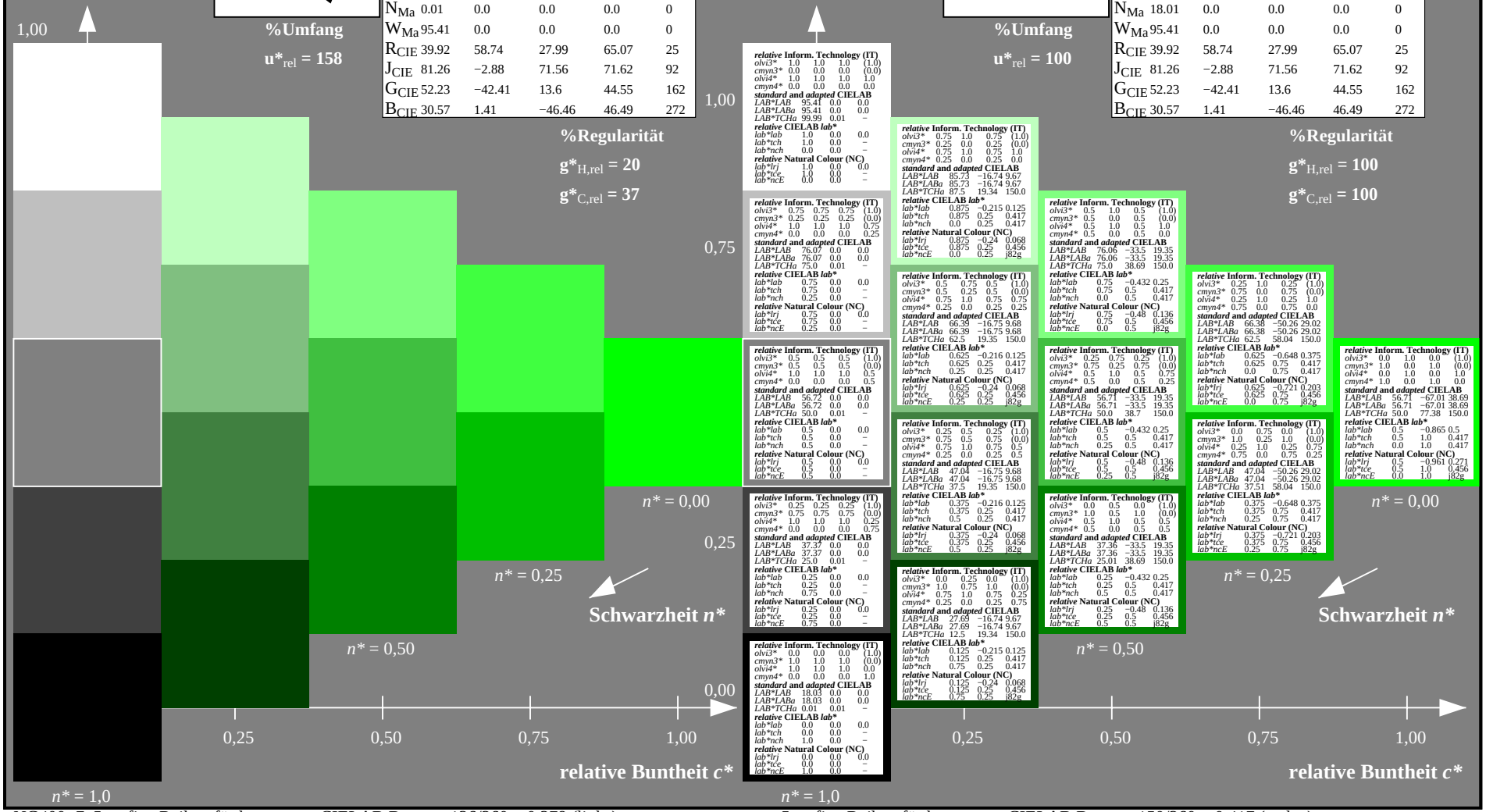
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



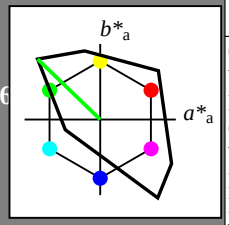
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

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



%Umfang
u*rel = 158

TLS00; adaptierte CIELAB-Daten

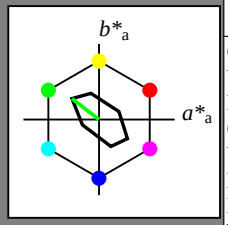
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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**

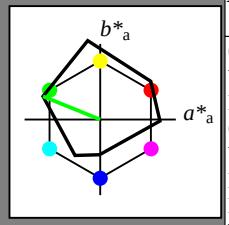
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 158/360 = 0.439*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

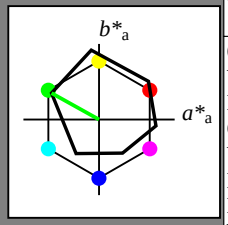
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

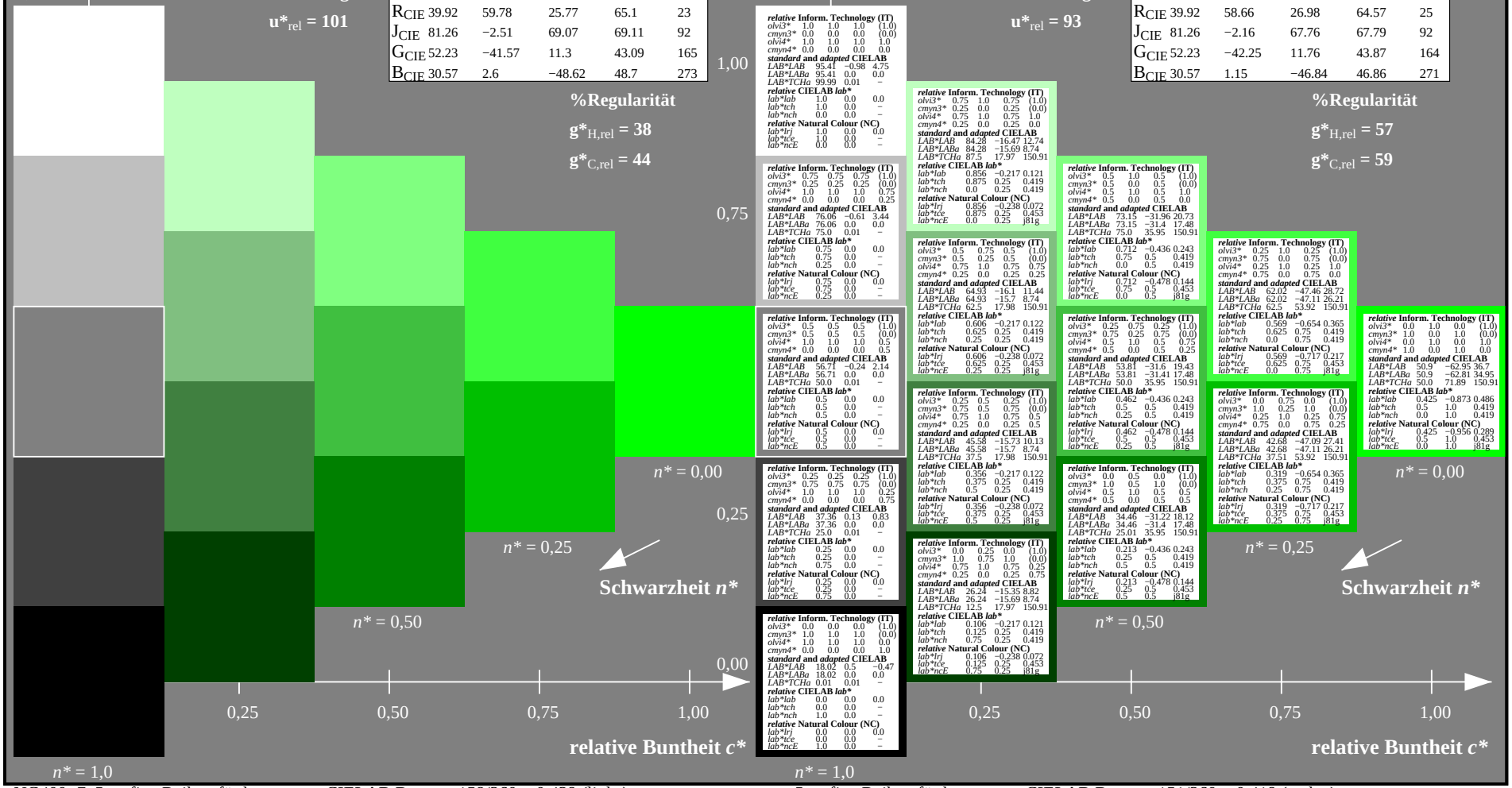


%Umfang
u*$_{rel}$ = 93

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



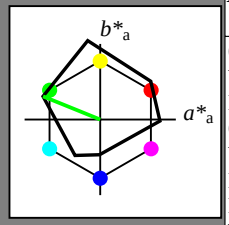
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 158/360 = 0.439*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

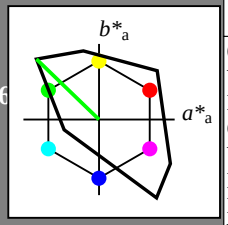
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: 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

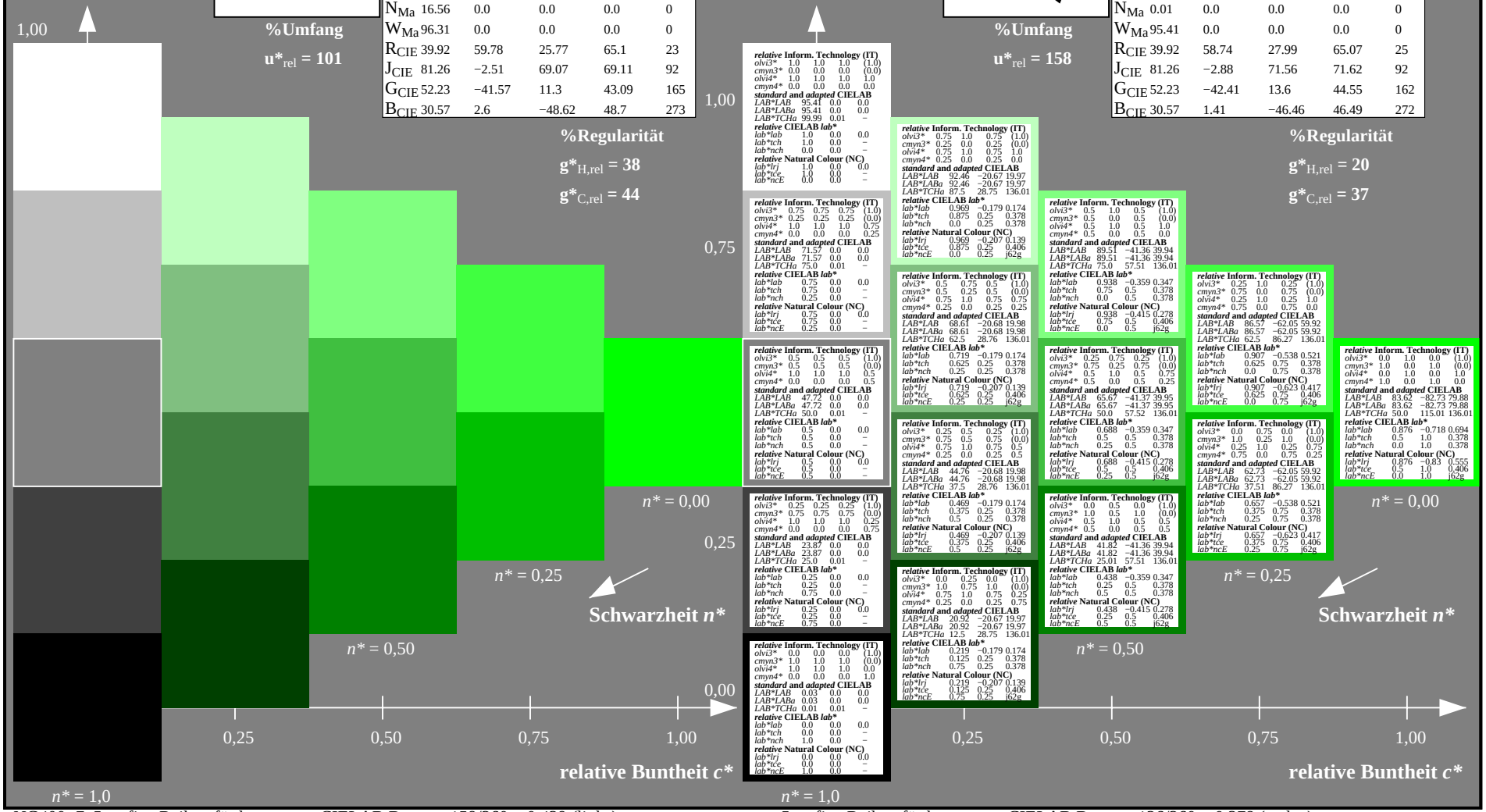


%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

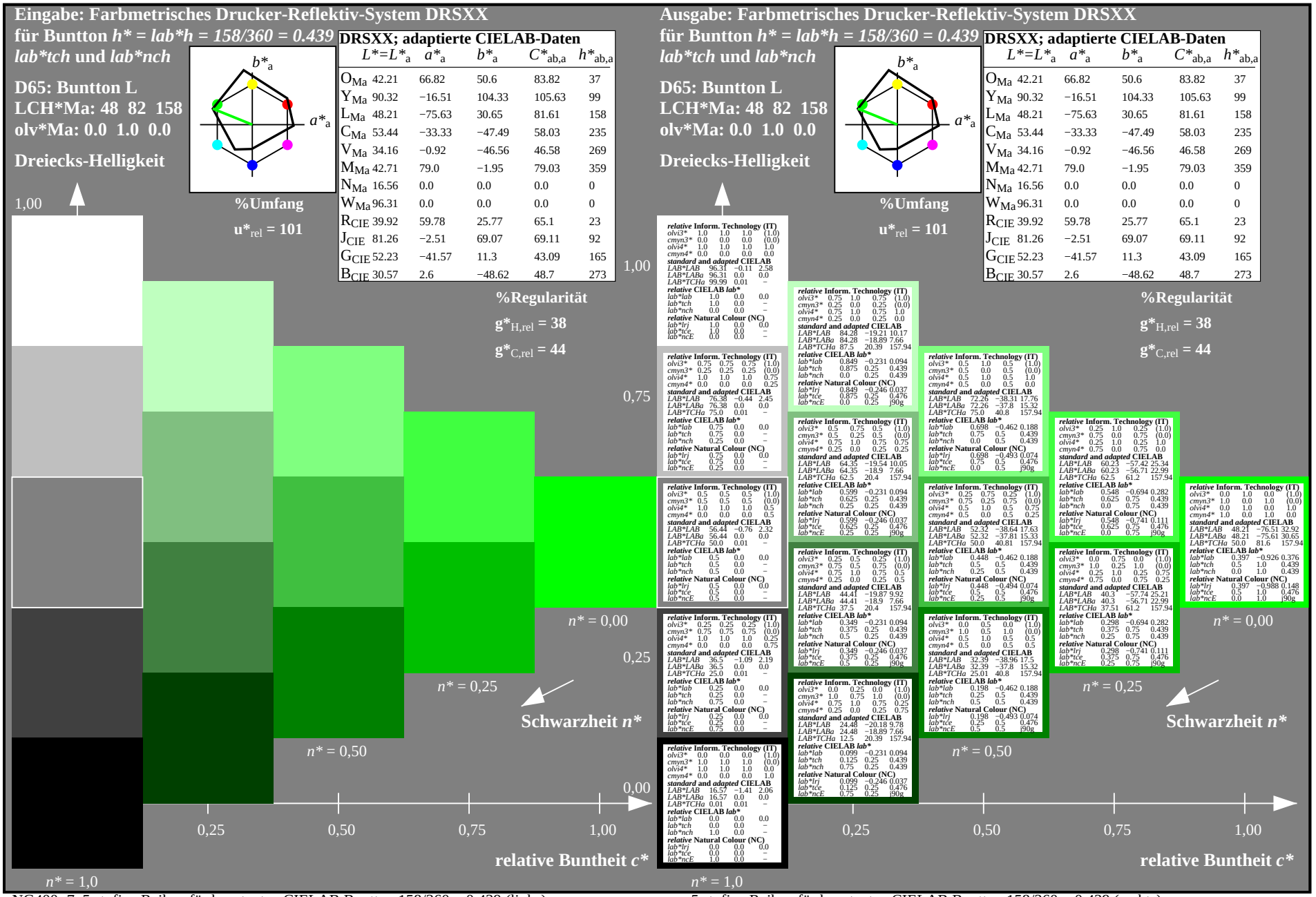
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)



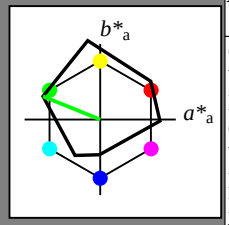
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 158/360 = 0.439*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

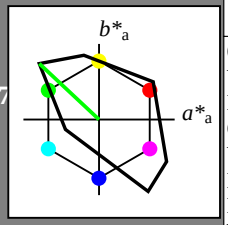
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 137/360 = 0.38*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

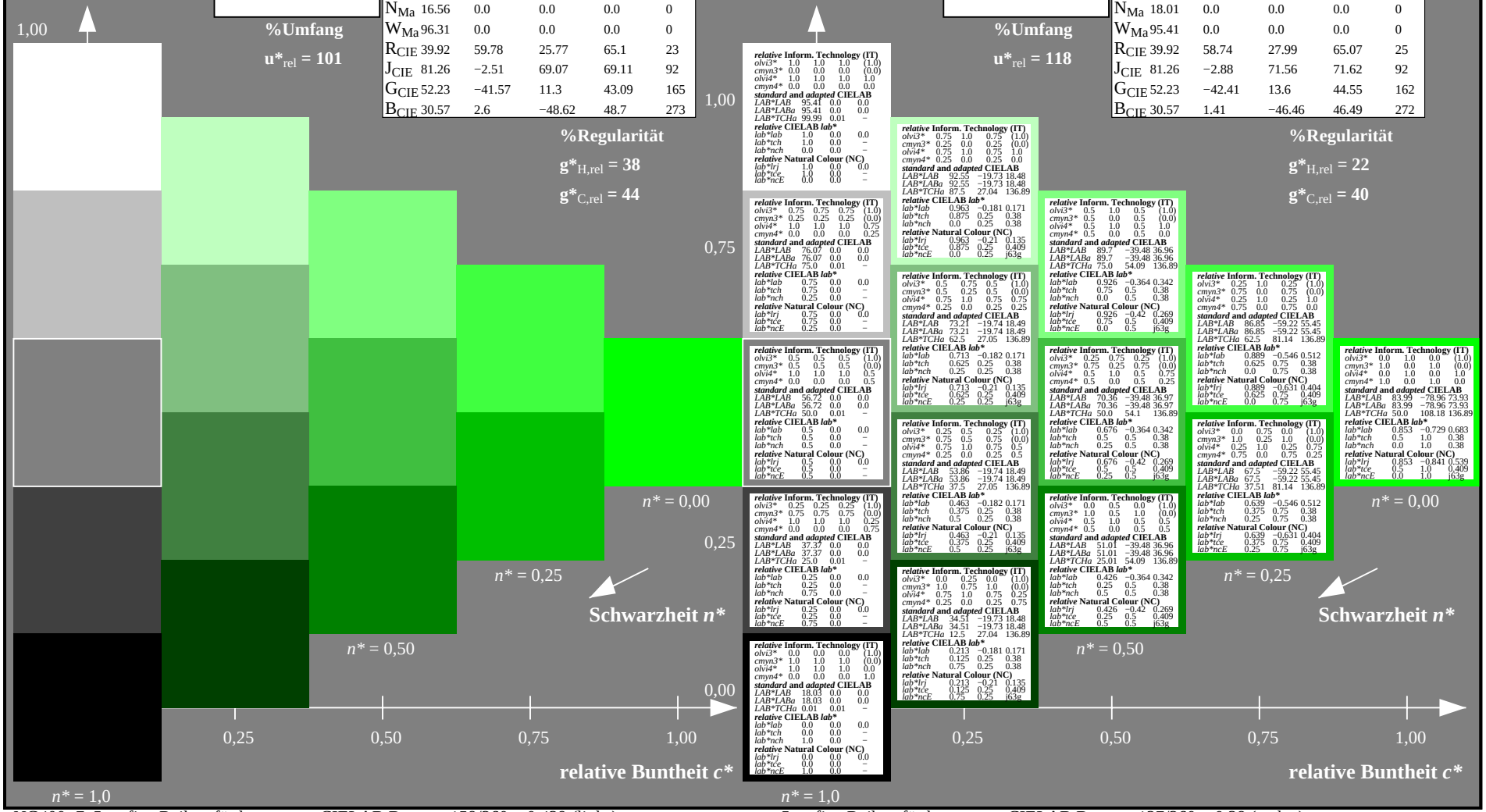


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



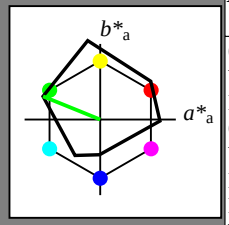
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 158/360 = 0.439*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

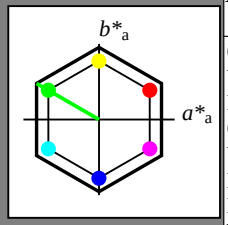
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 150/360 = 0.417*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

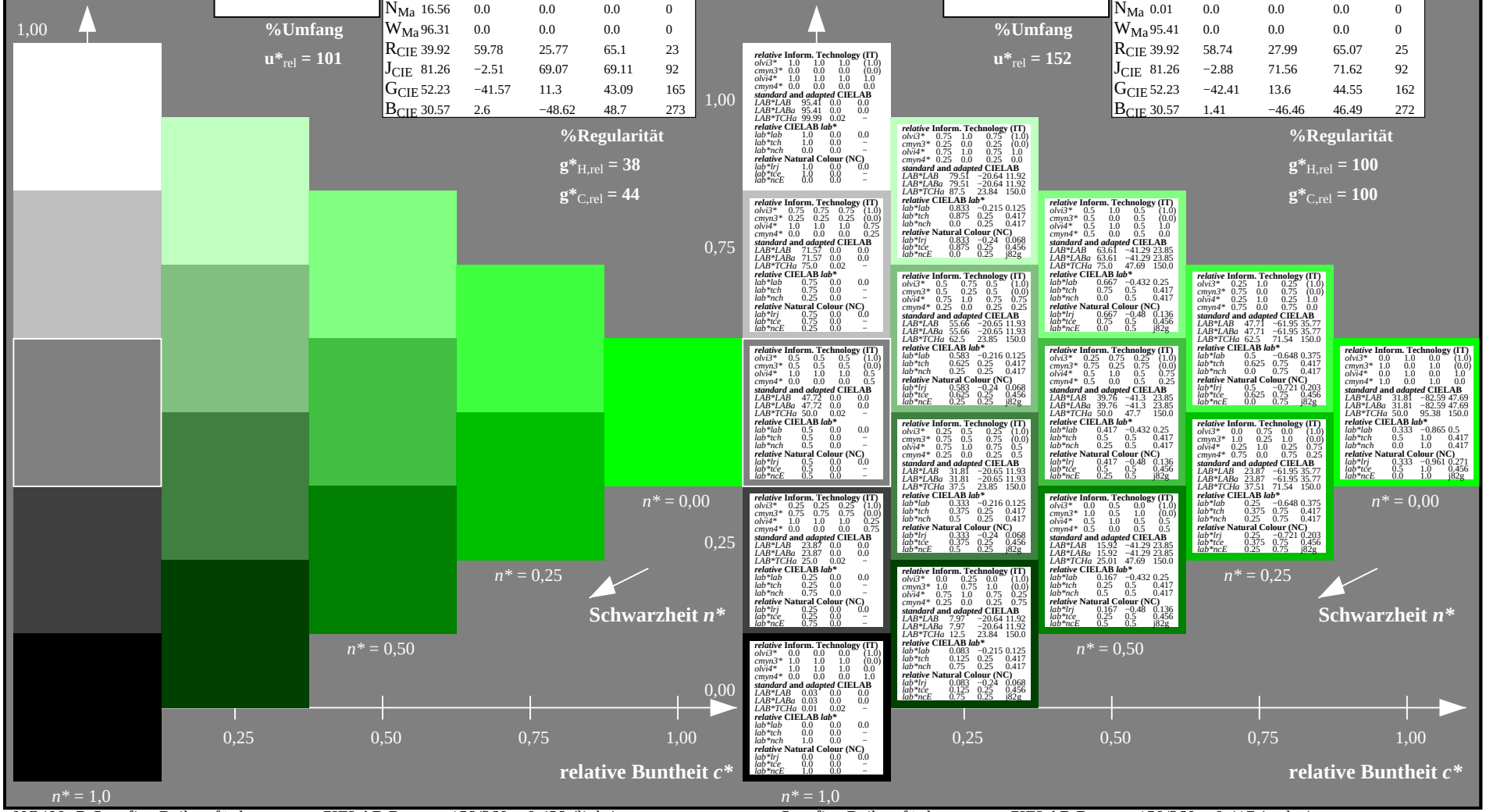


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



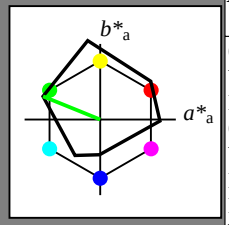
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 158/360 = 0.439*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

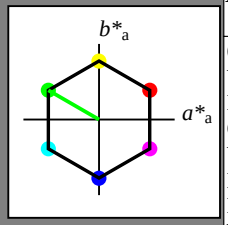
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 150/360 = 0.417*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

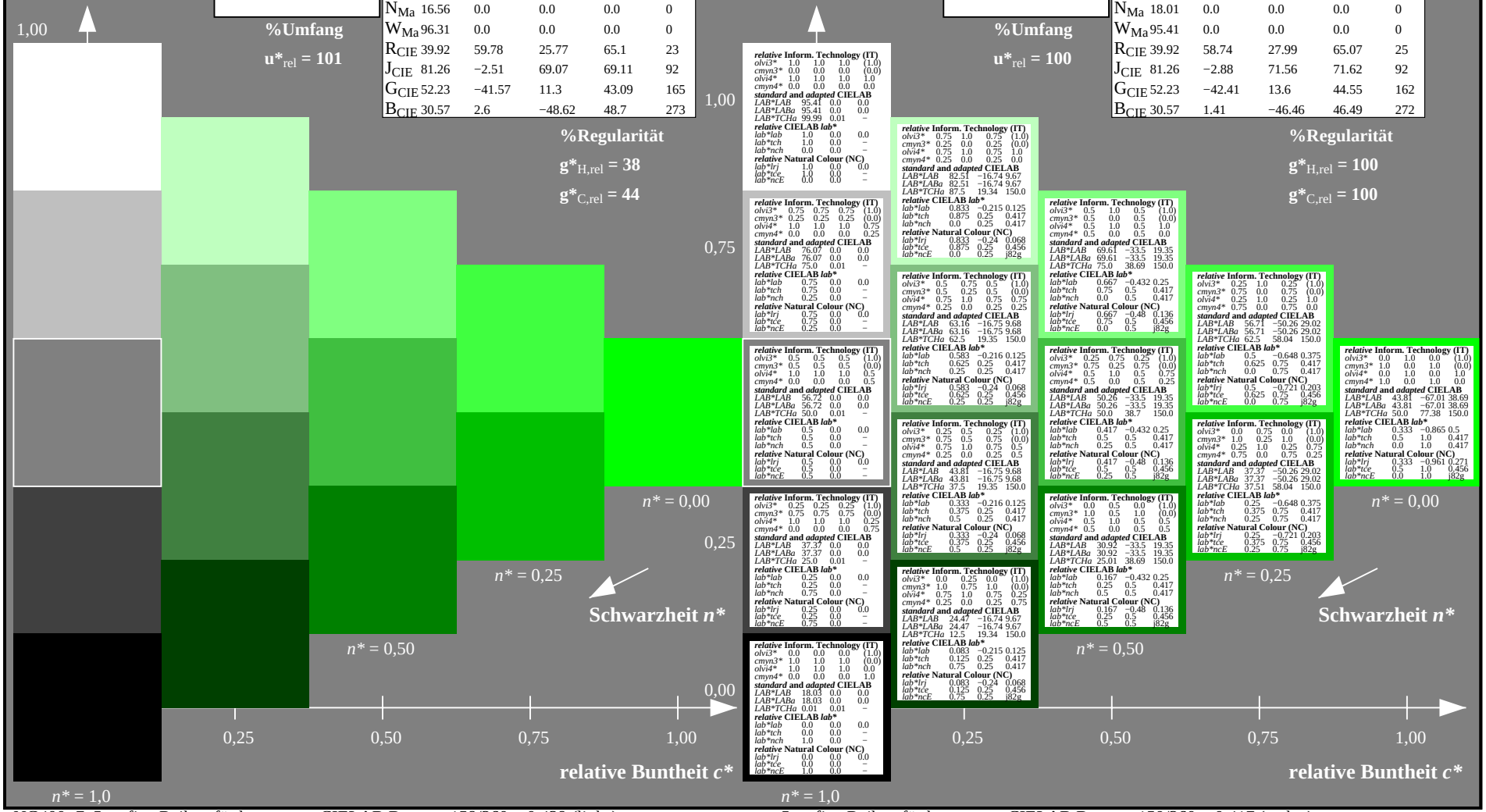


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



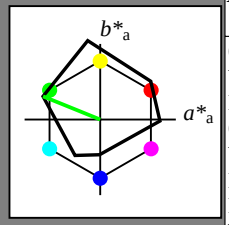
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 158/360 = 0.439***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

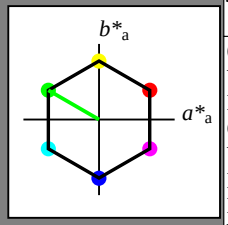
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

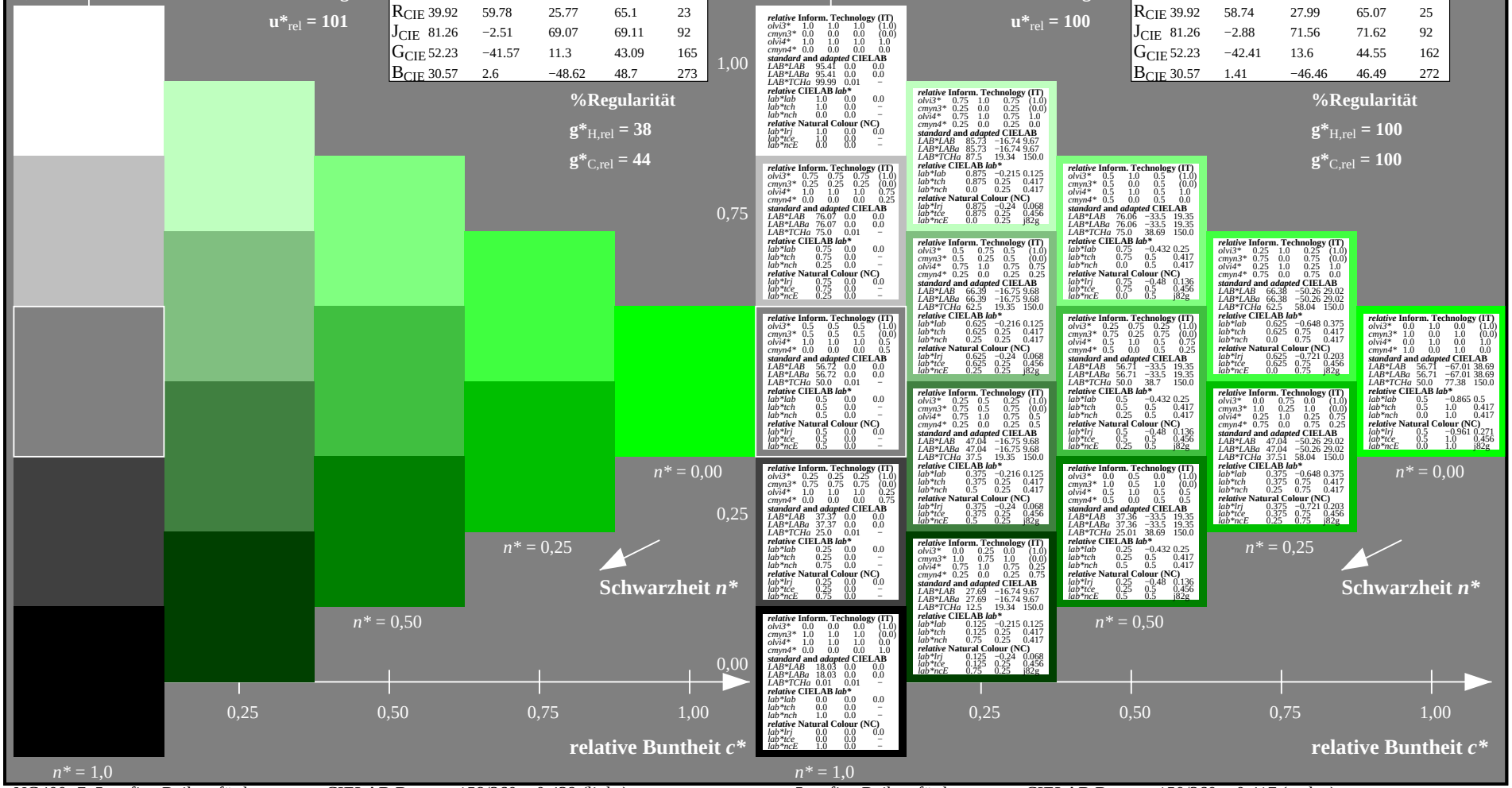


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



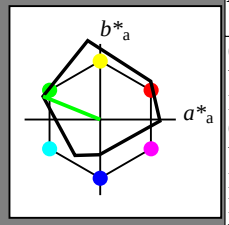
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 158/360 = 0.439*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

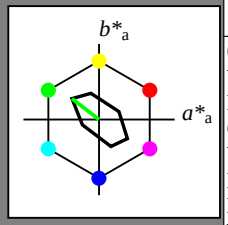
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 142/360 = 0.395*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

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**

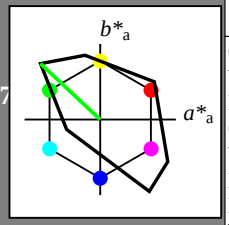
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

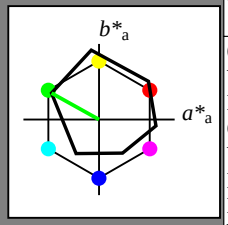
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

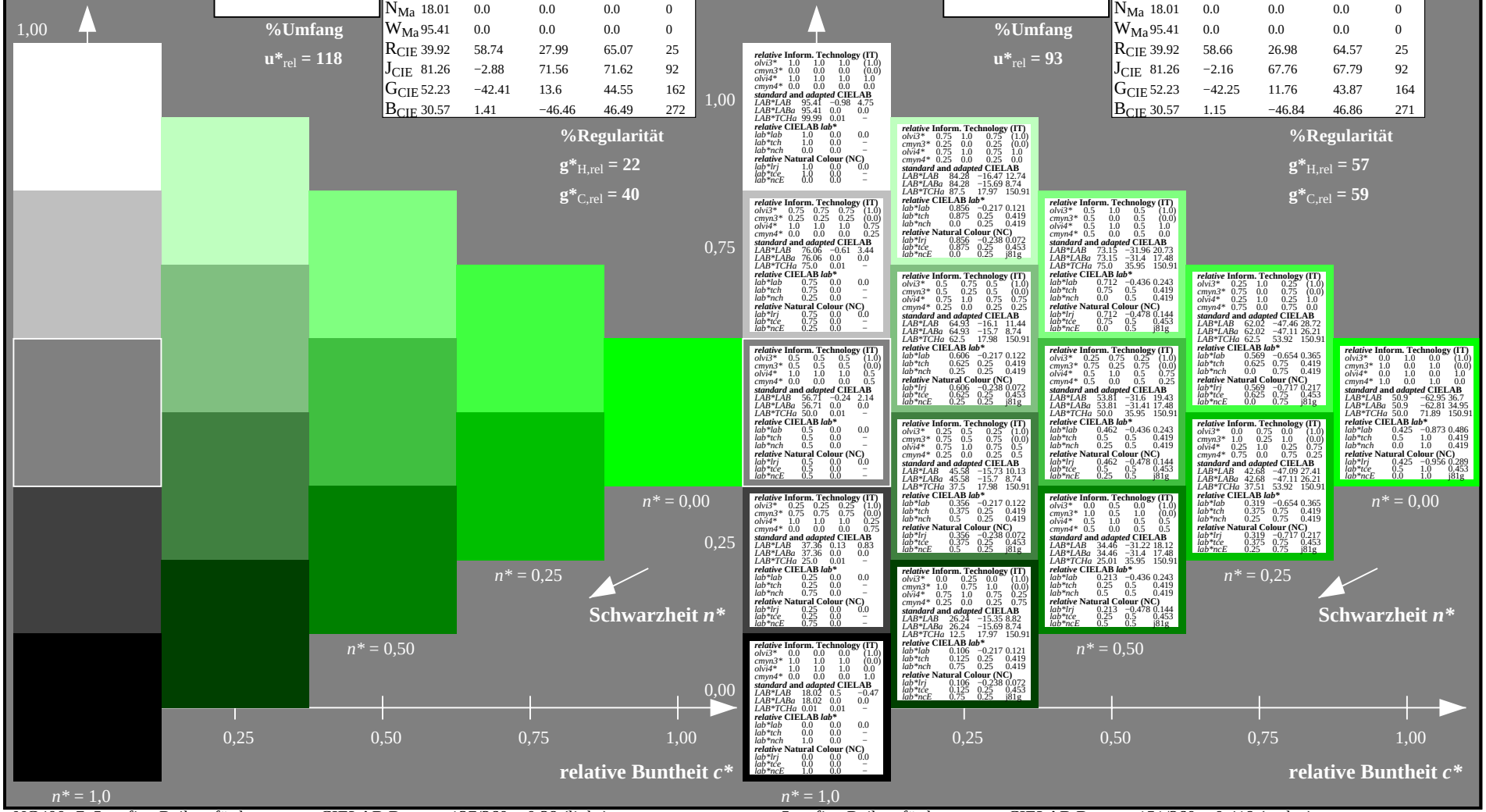


%Umfang
u^*_{rel} = 93

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



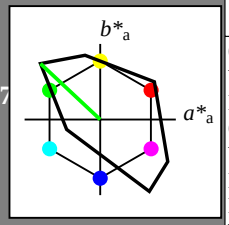
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 137/360 = 0.38*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

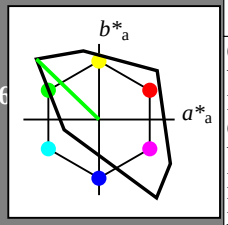
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

Ausgabe: 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

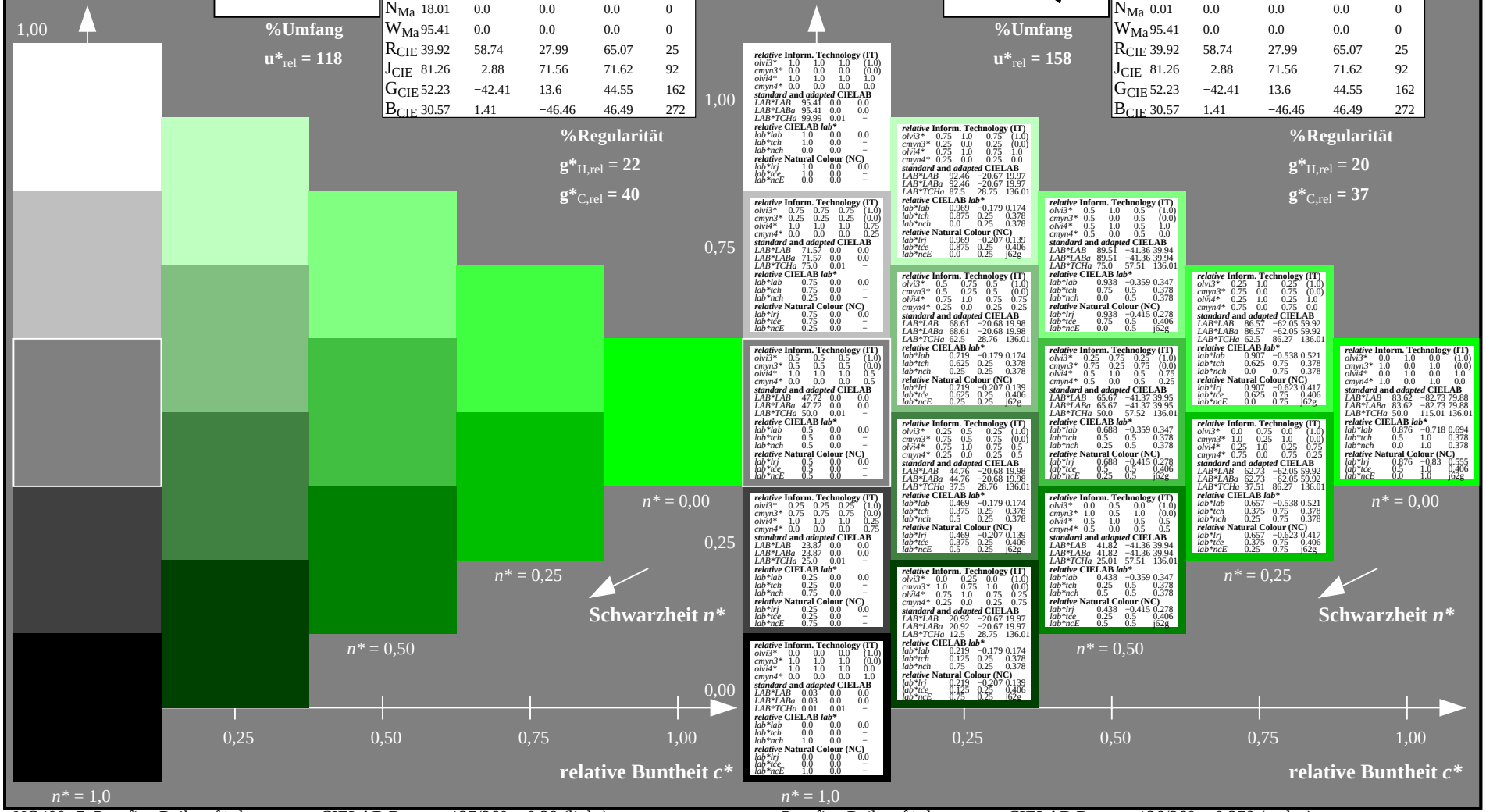


%Umfang
u*rel = 158

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



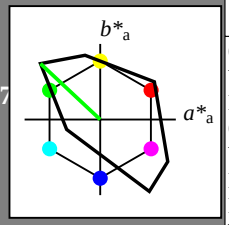
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

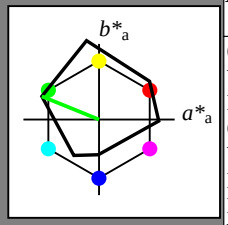
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 158/360 = 0.439***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

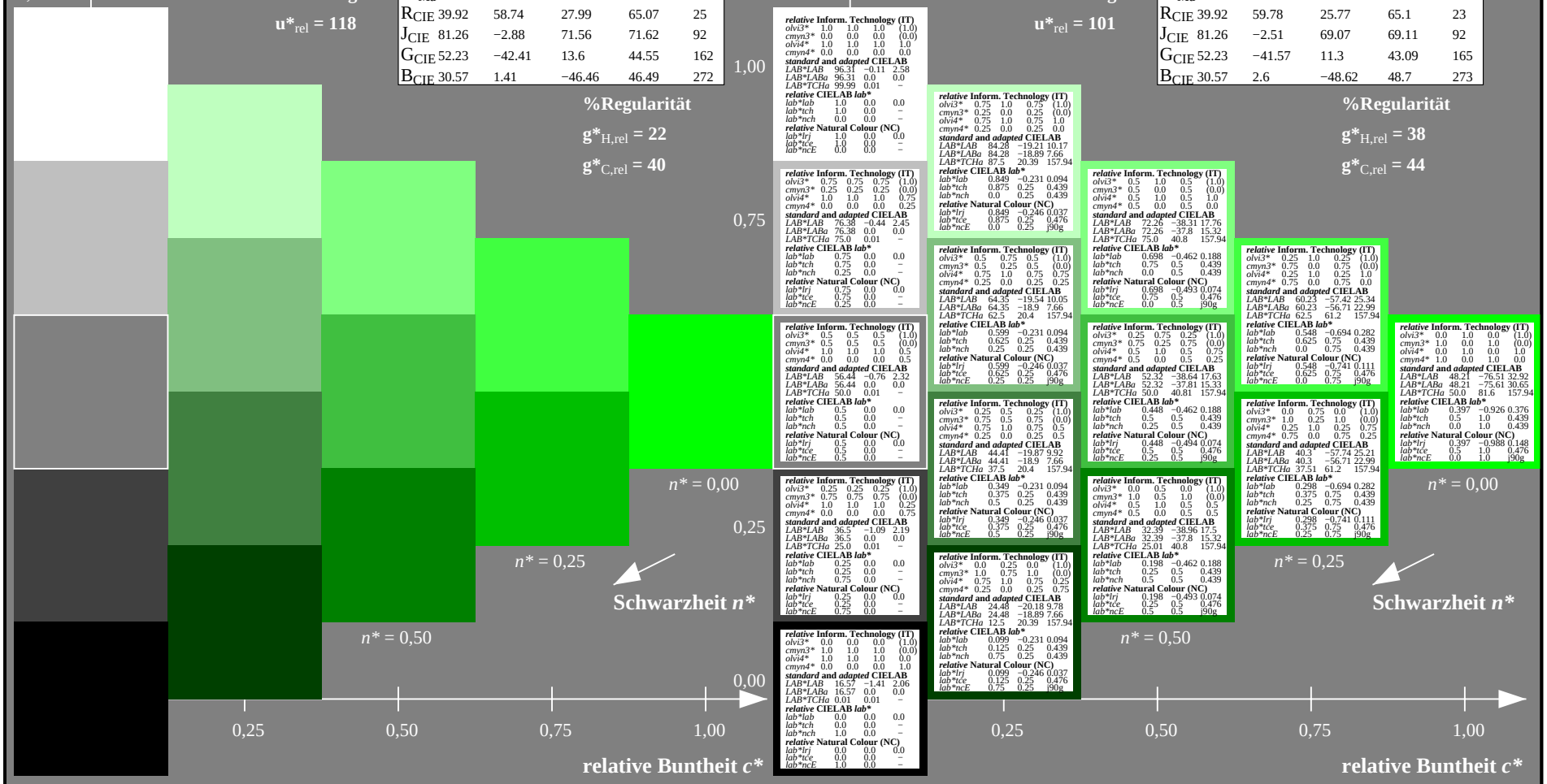
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



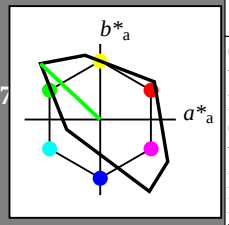
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 137/360 = 0.38*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

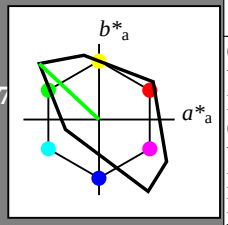
%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 137/360 = 0.38*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

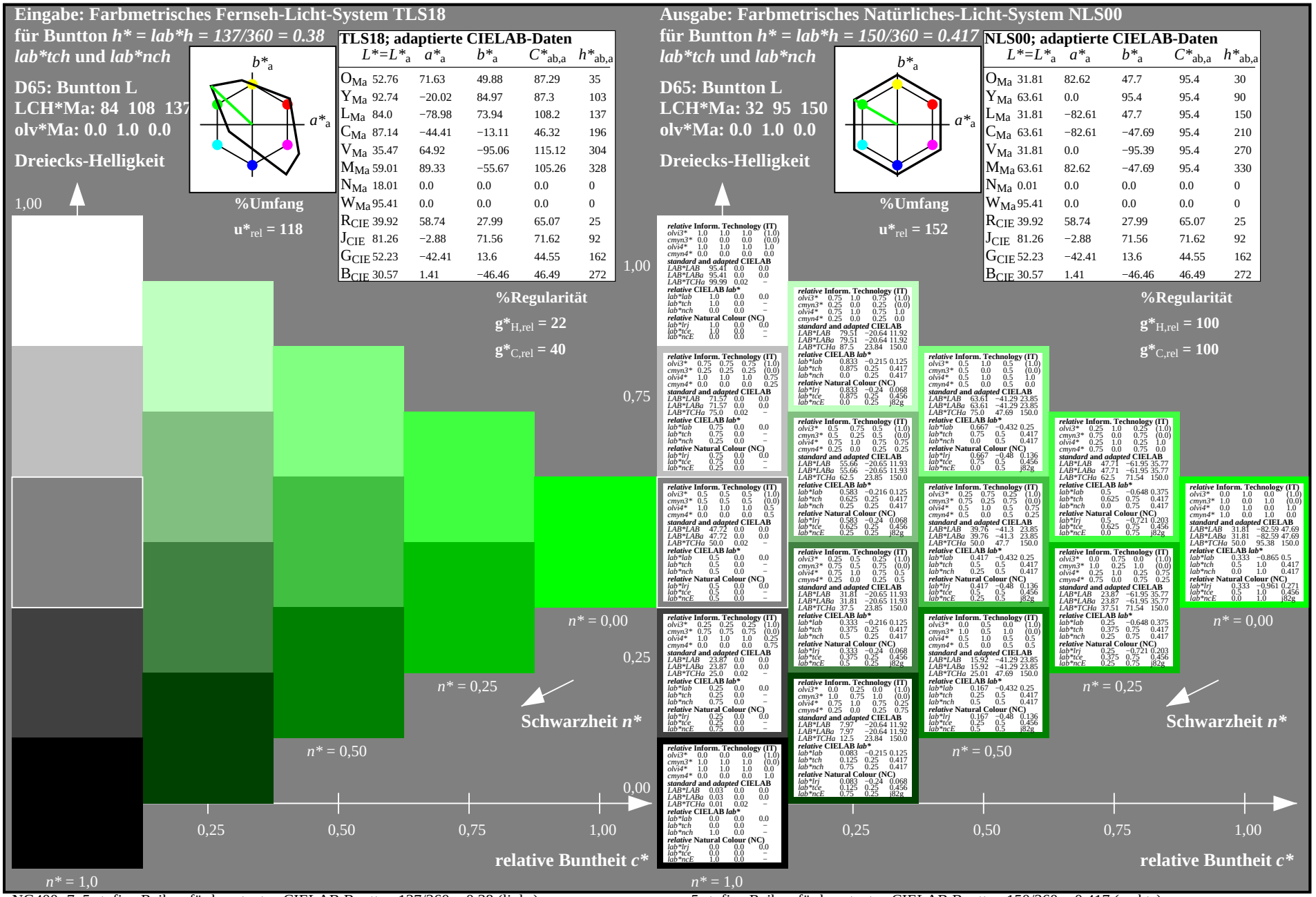
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)



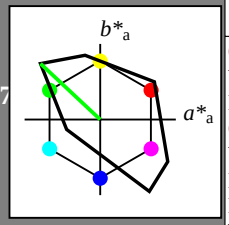
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

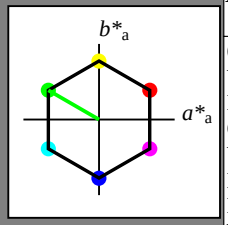
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

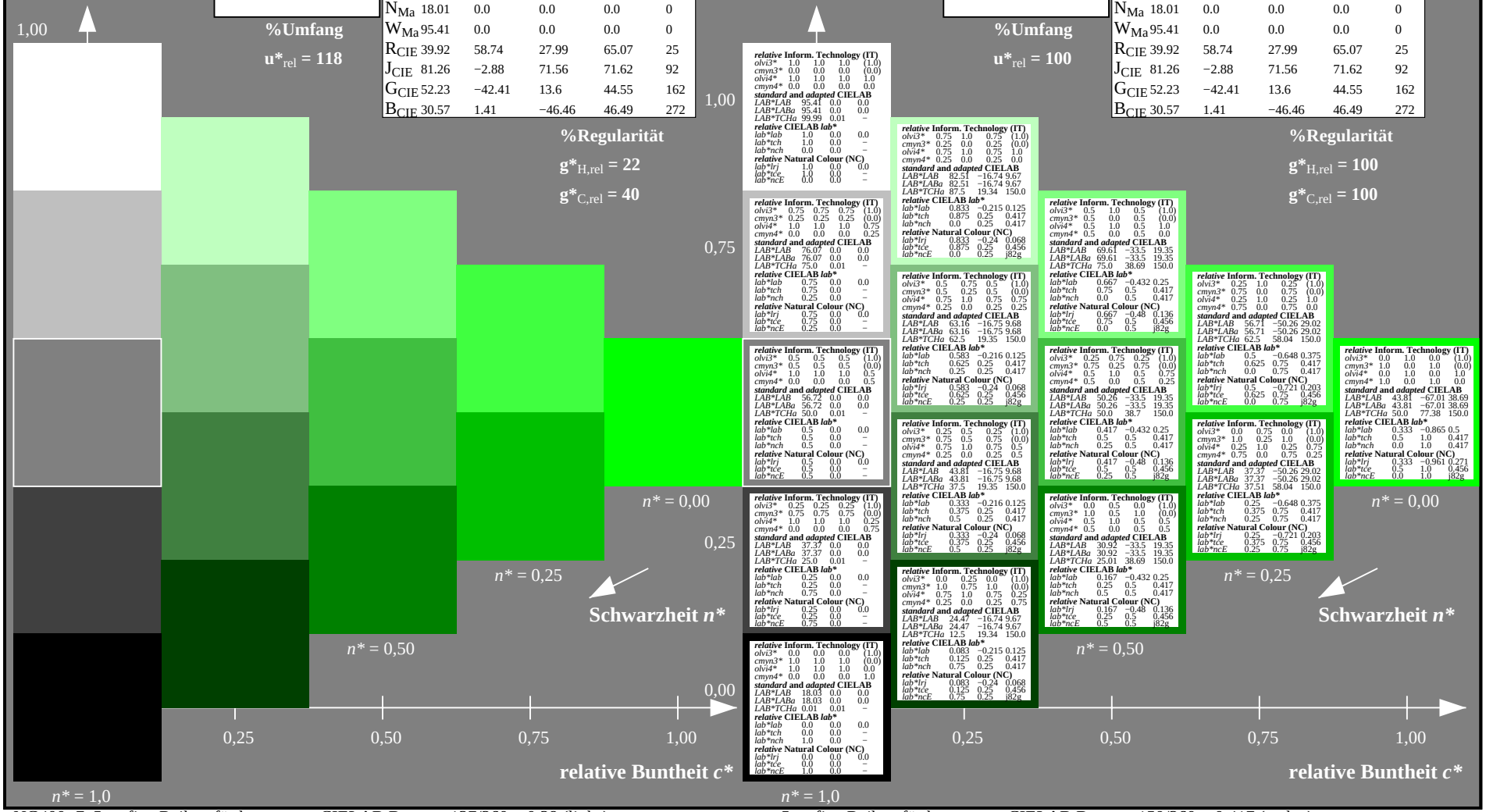
Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



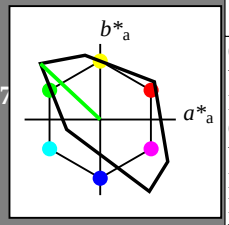
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

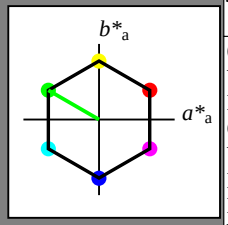
%Regularität
g*H,rel = 22
g*C,rel = 40

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

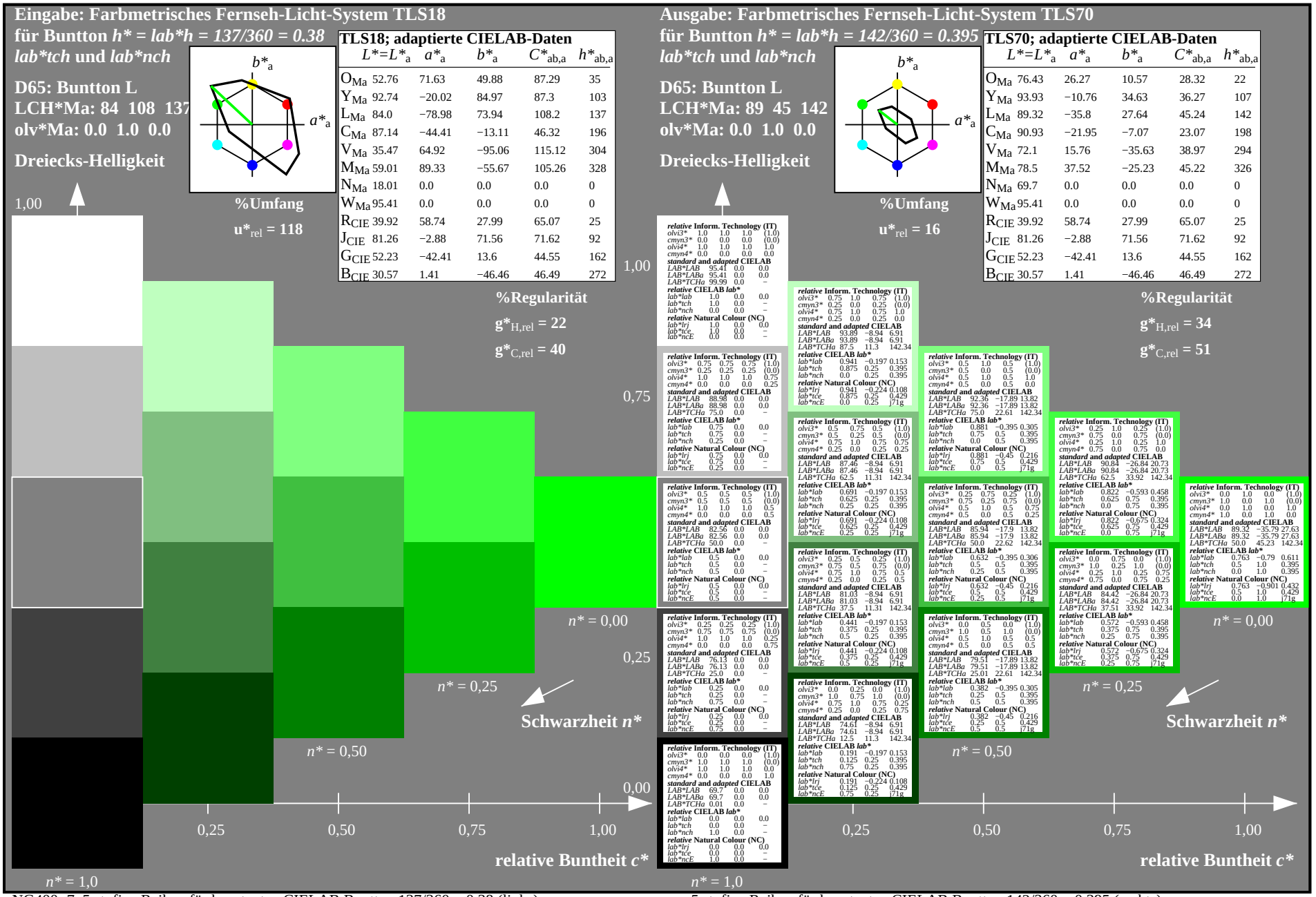
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

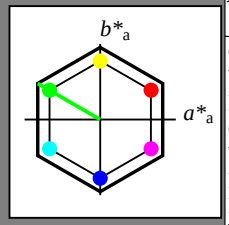
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

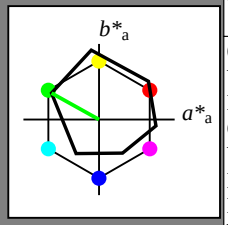
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

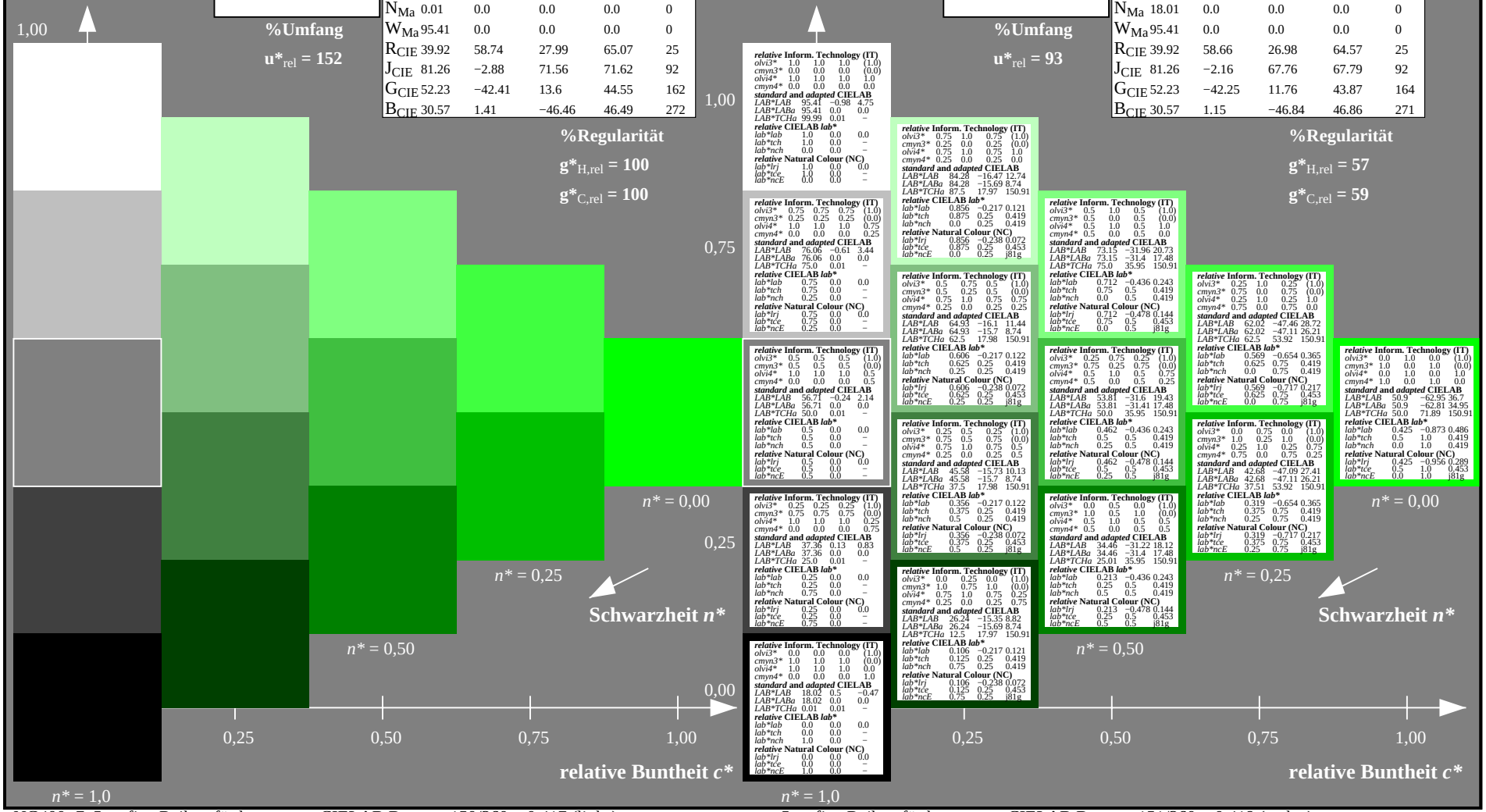


%Umfang
u^*_{rel} = 93

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



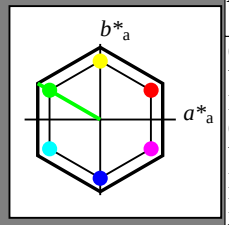
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

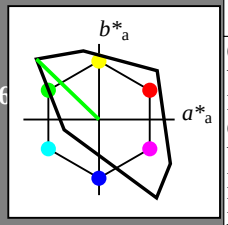
NLS00; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: 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

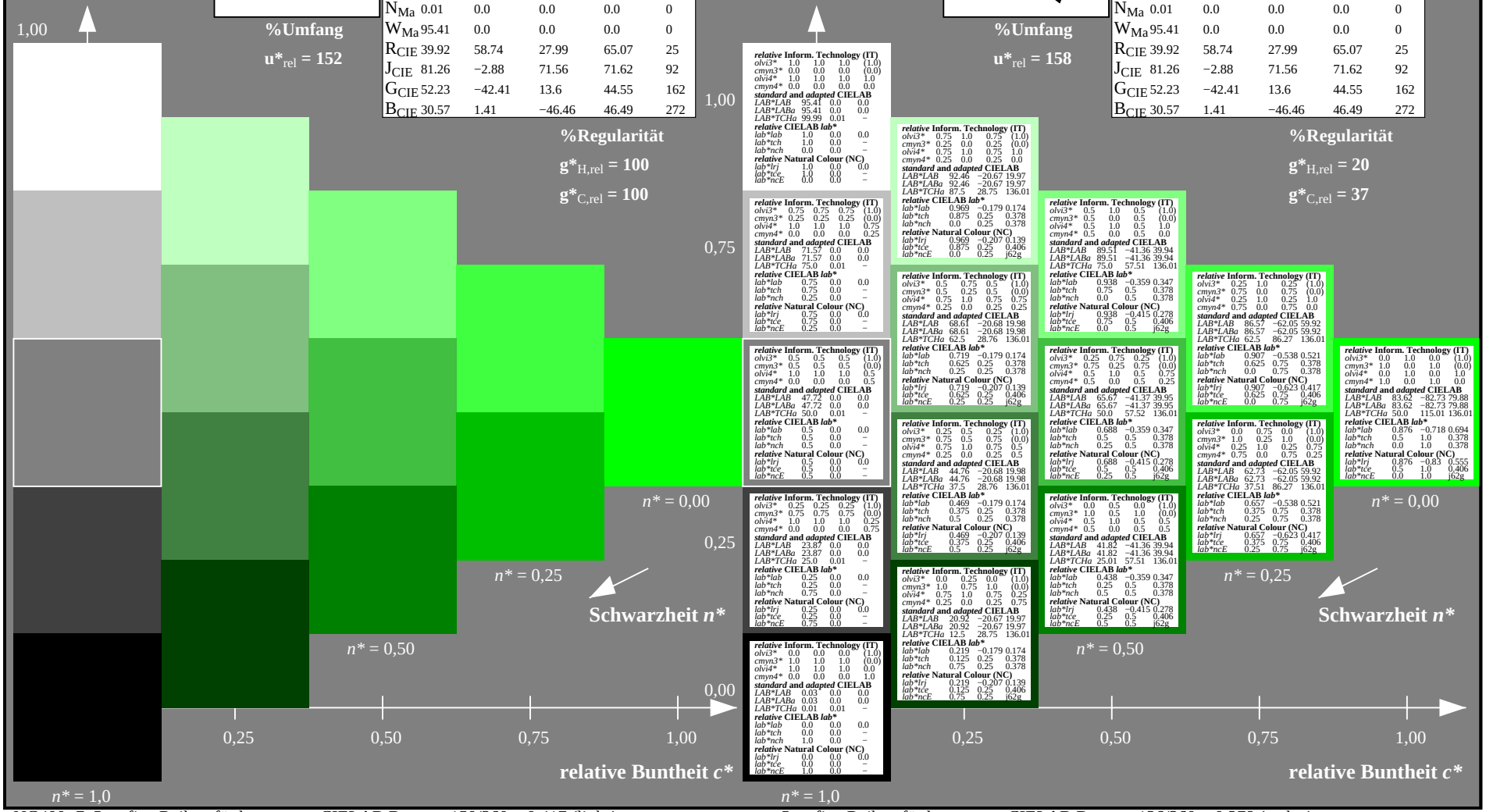
Dreiecks-Helligkeit



%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



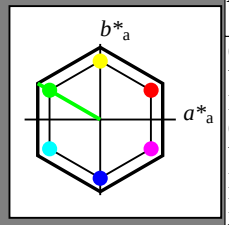
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

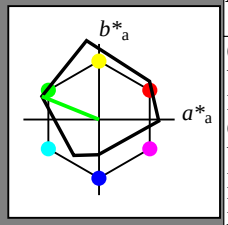
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 158/360 = 0.439***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

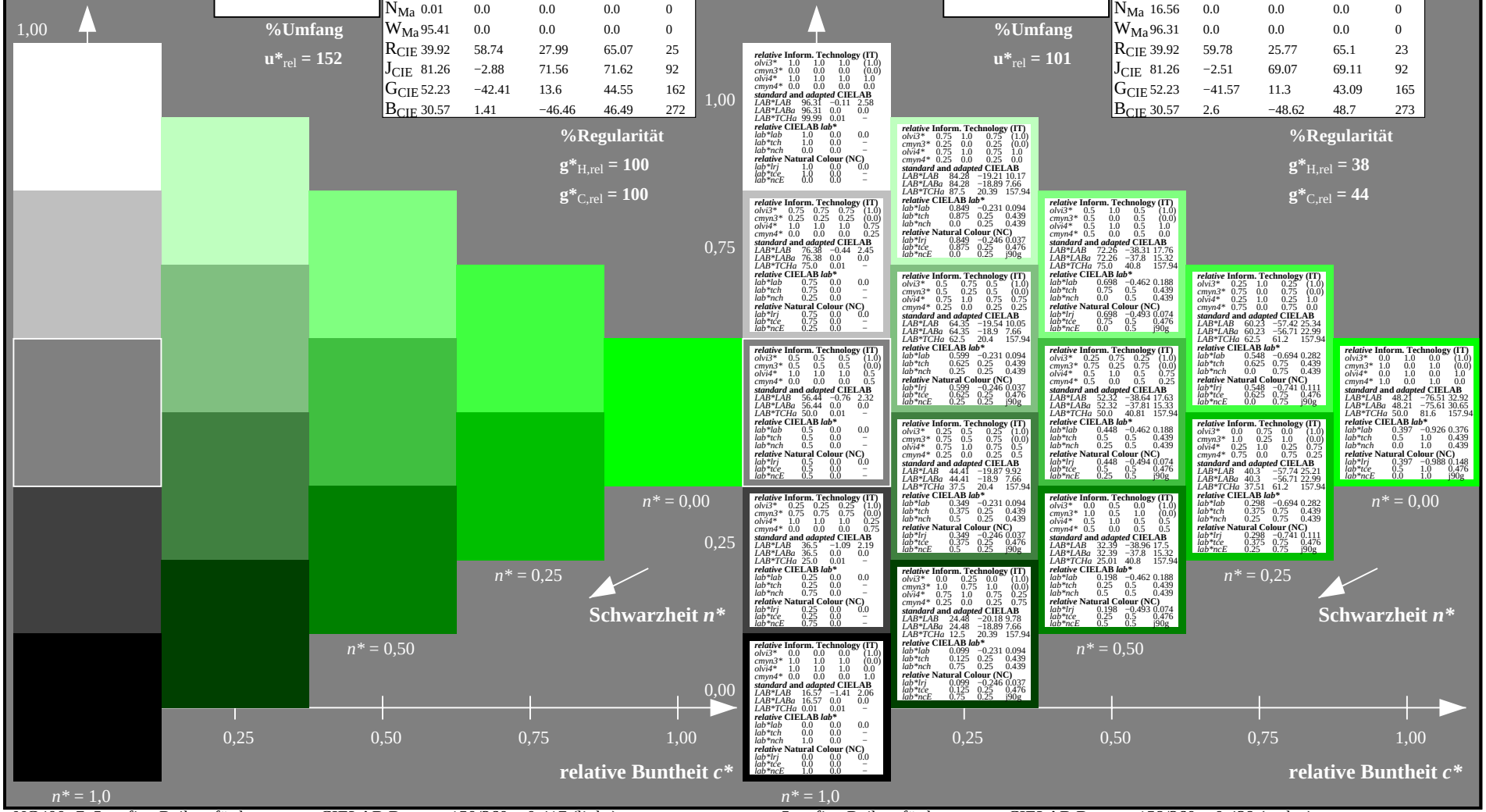
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



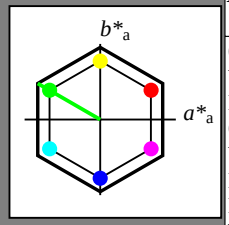
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

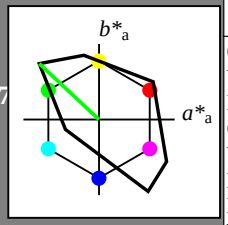
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

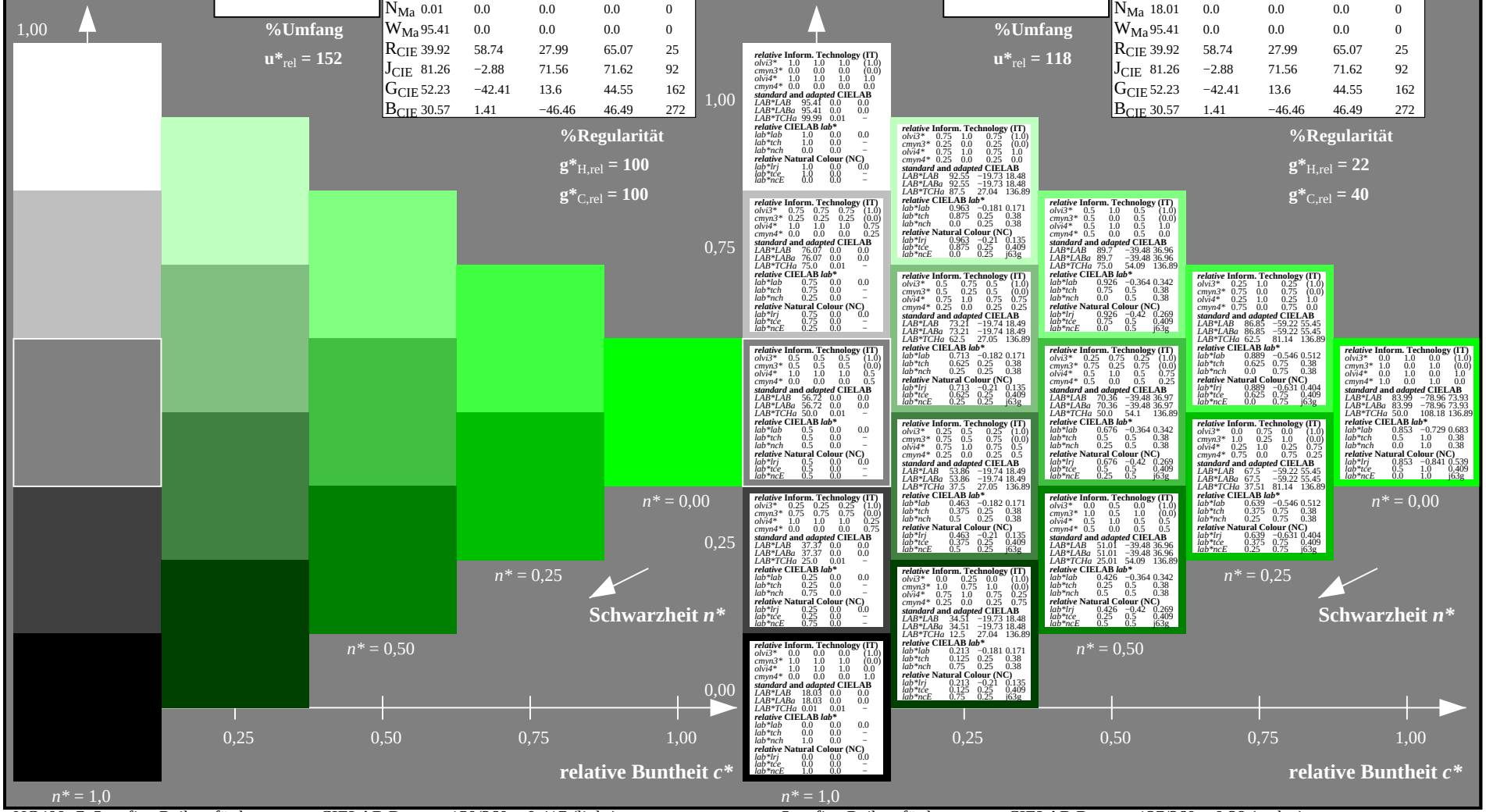
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



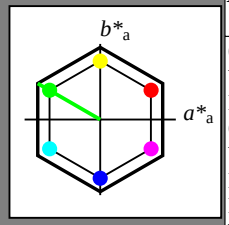
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417**
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

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

Schwarzheit *n**

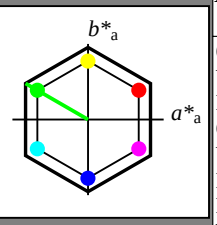
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417**
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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**

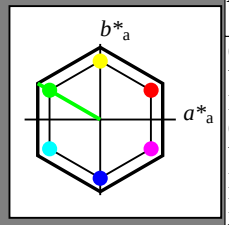
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417**
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

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

Schwarzheit *n**

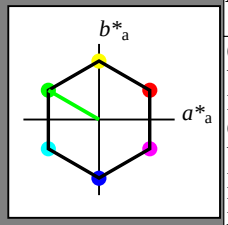
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417**
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

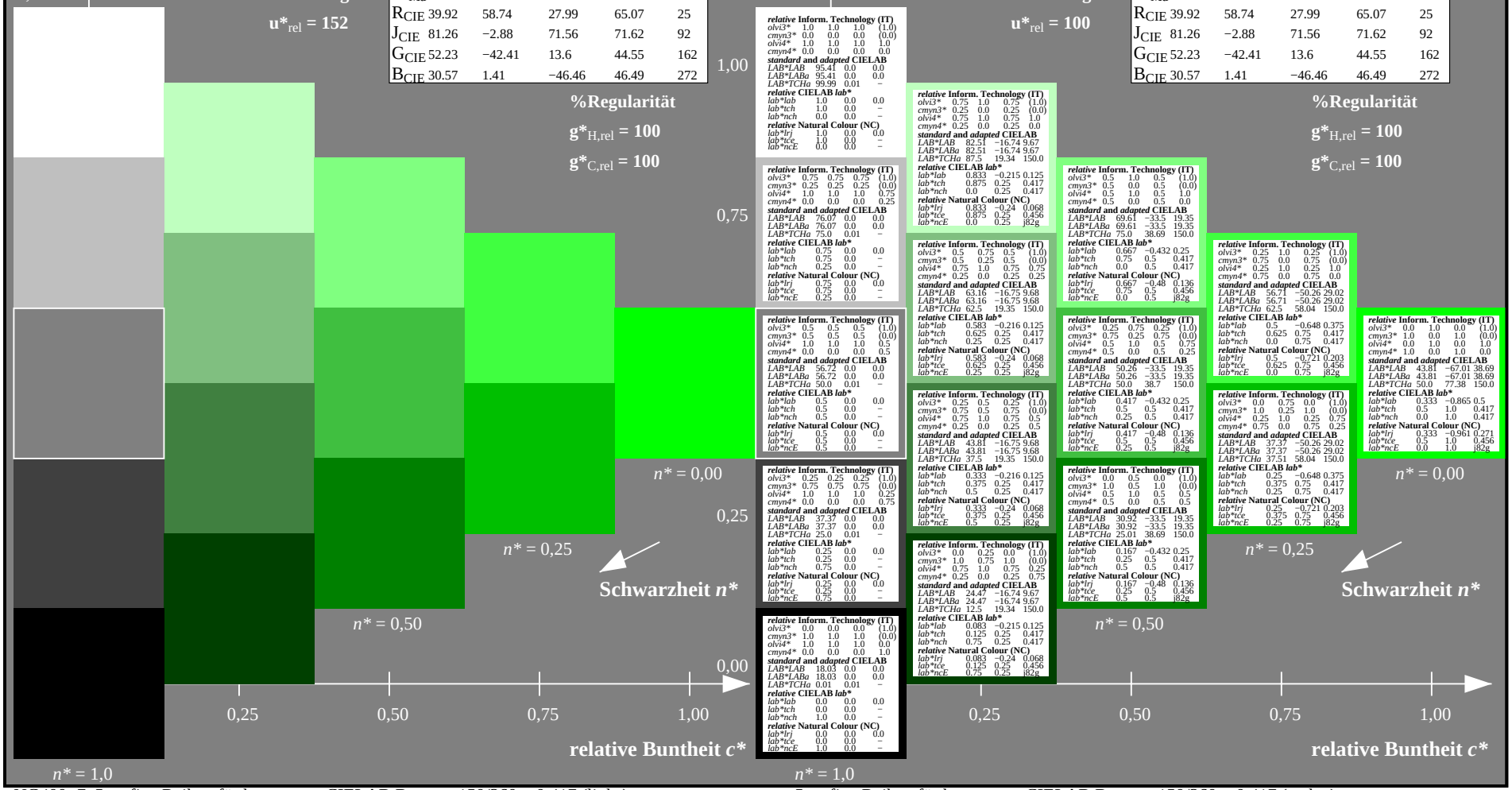


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



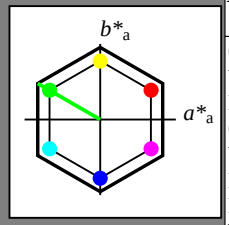
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

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

Schwarzheit *n**

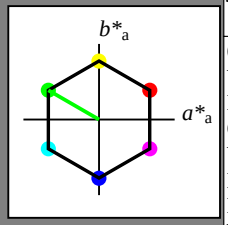
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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**

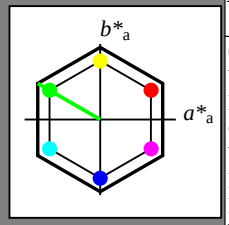
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

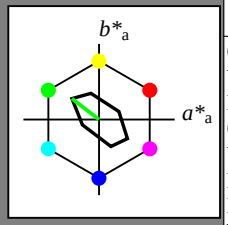
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

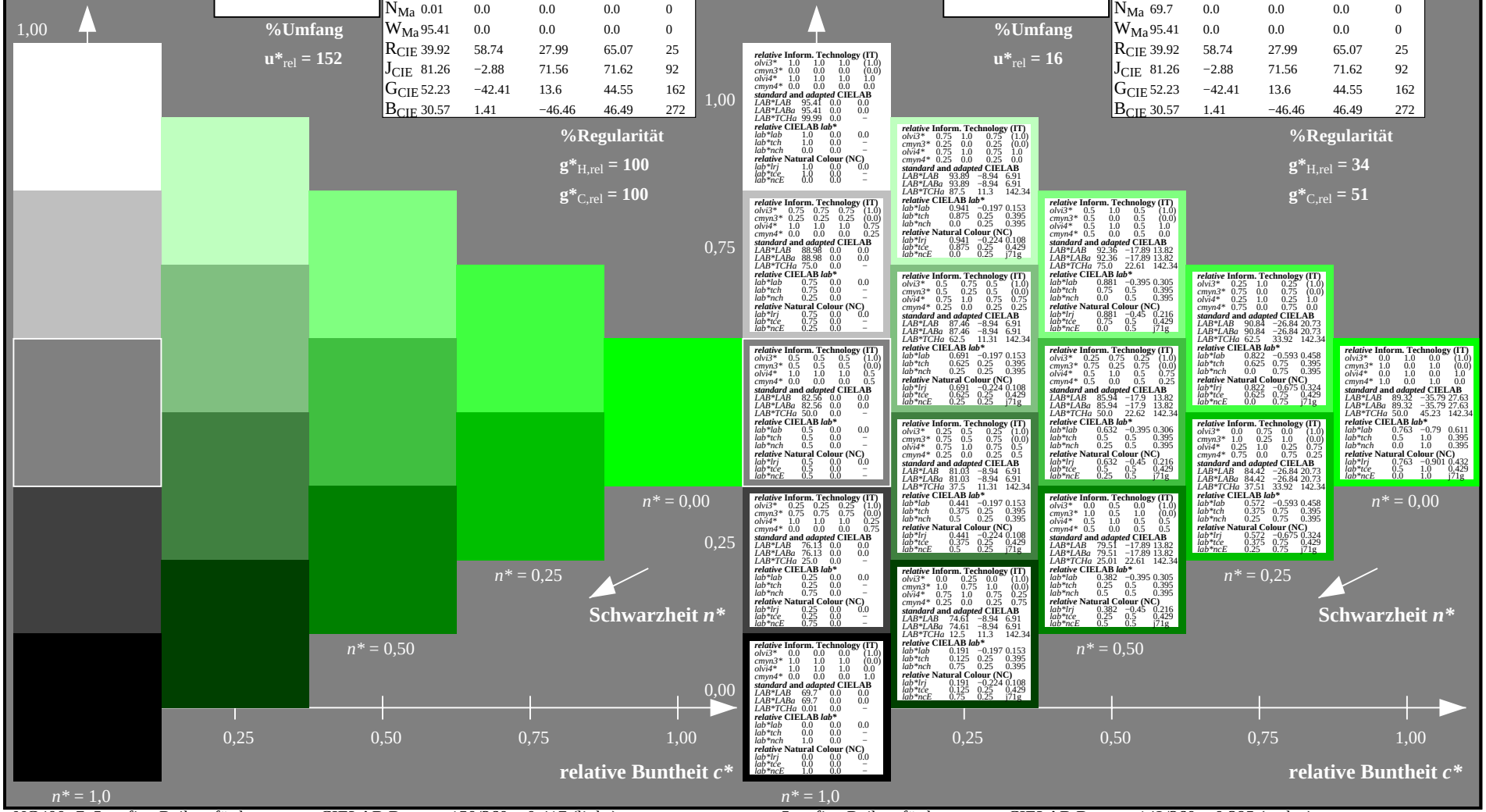


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



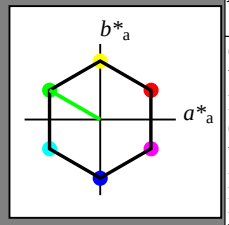
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

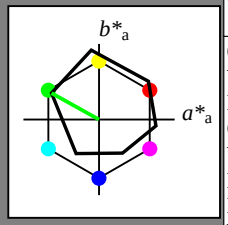
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

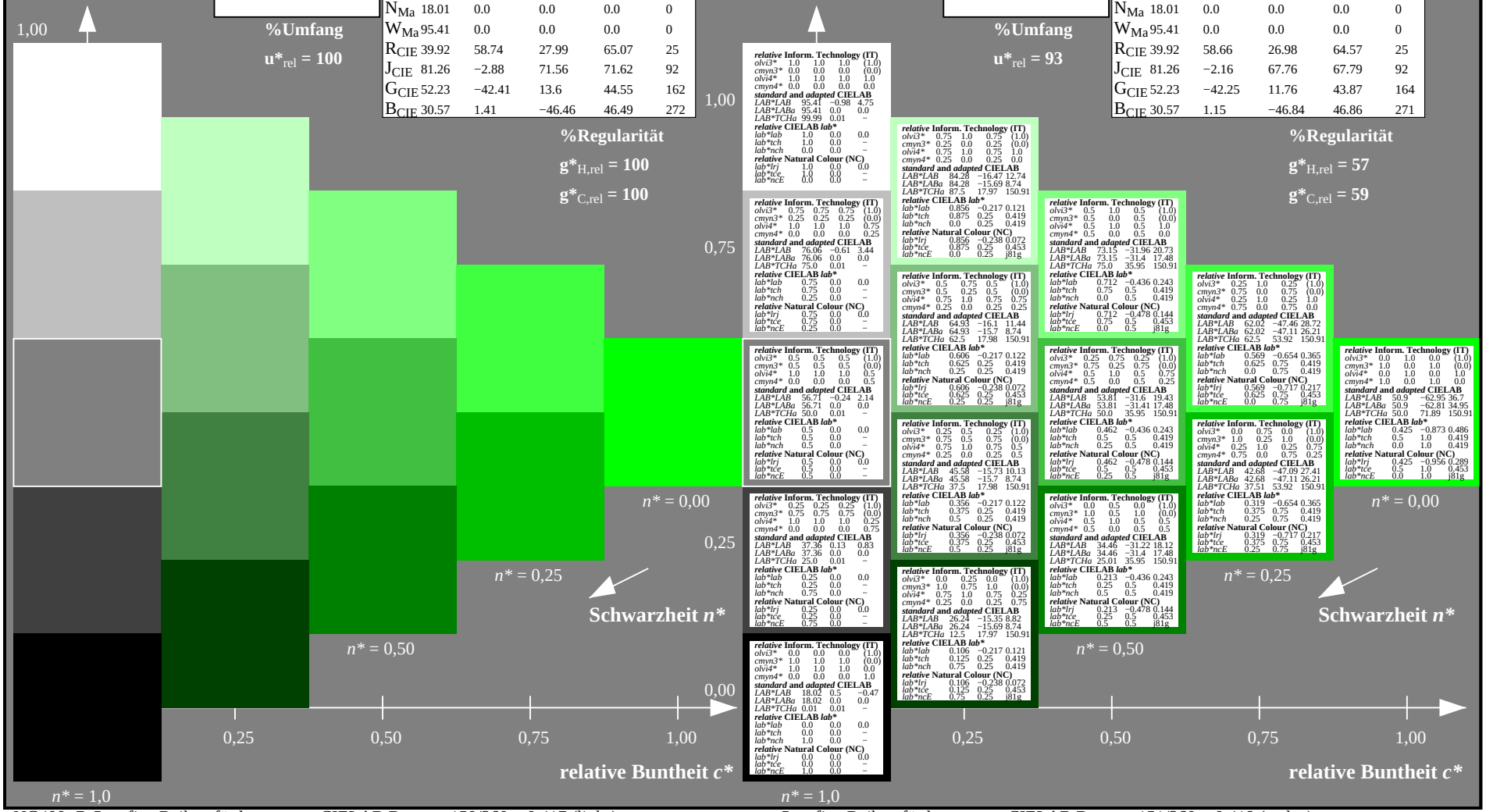


%Umfang
u^*_{rel} = 93

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



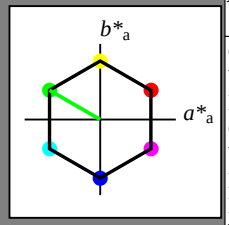
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

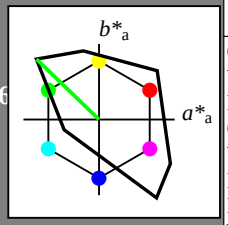
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

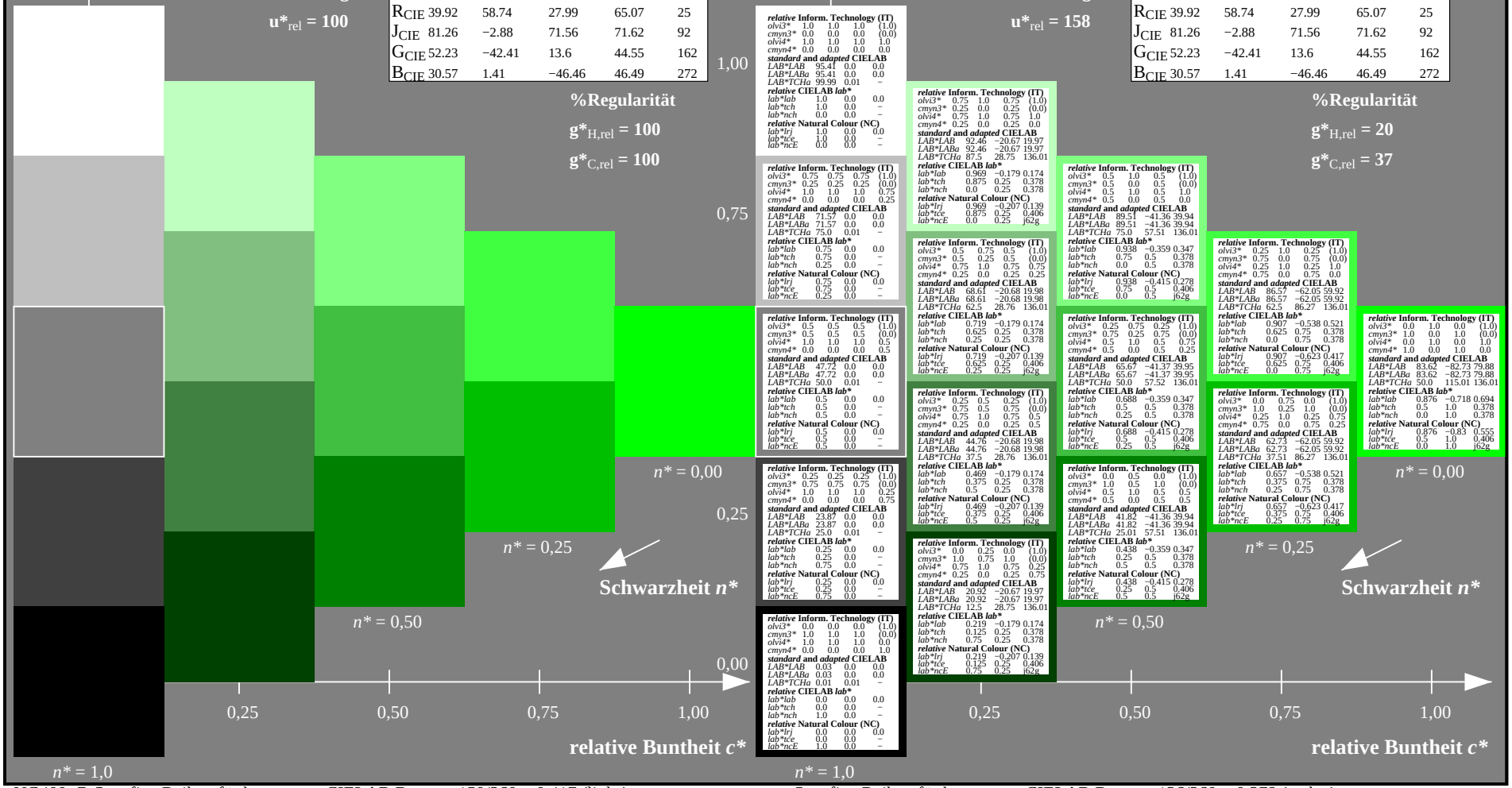


%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

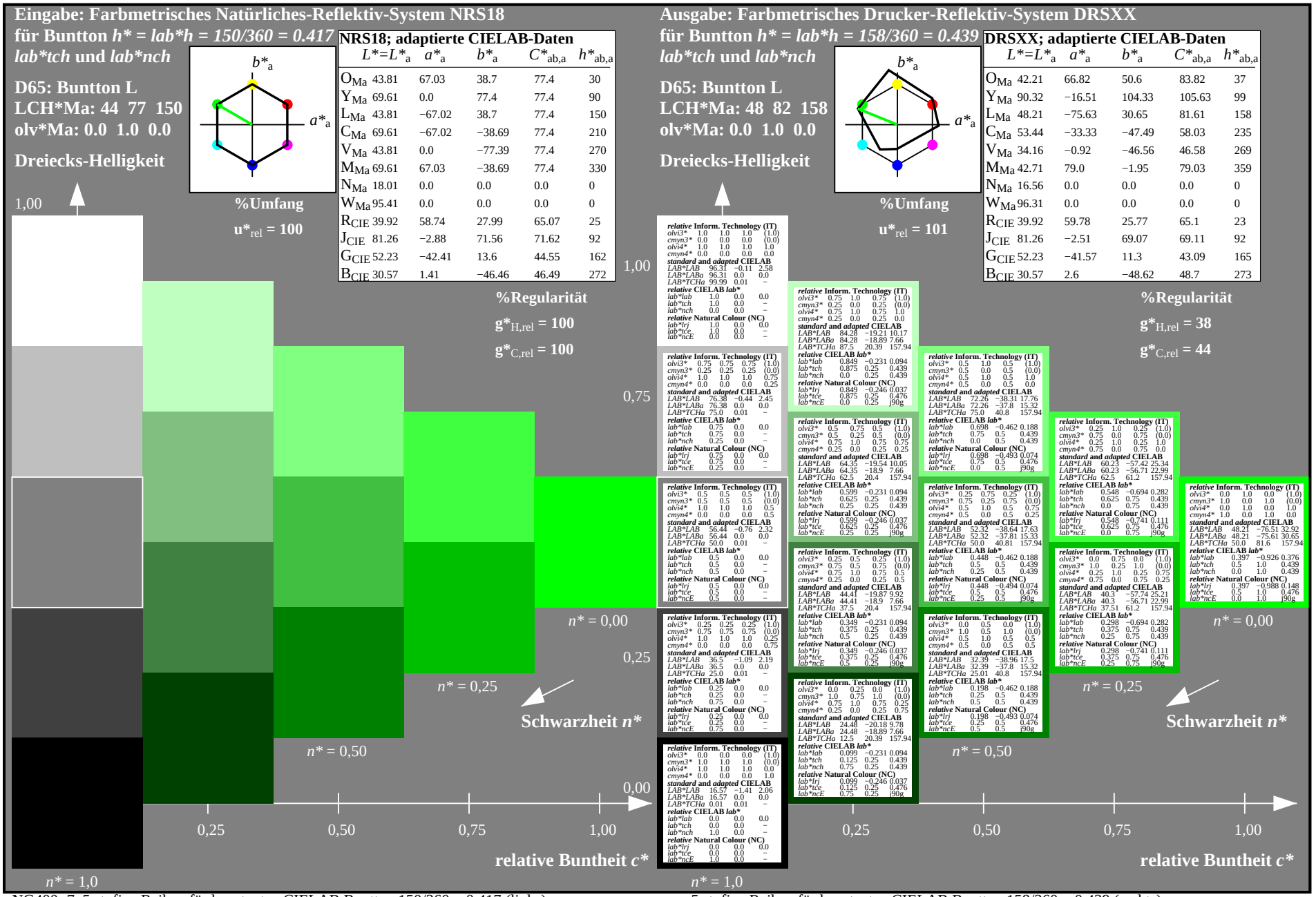
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)



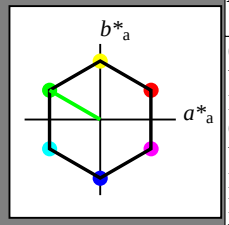
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

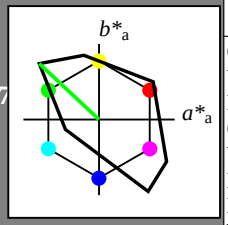
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

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**

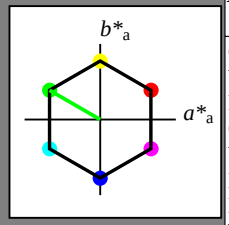
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

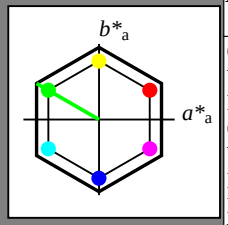
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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**

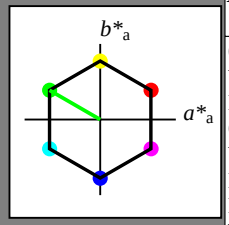
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

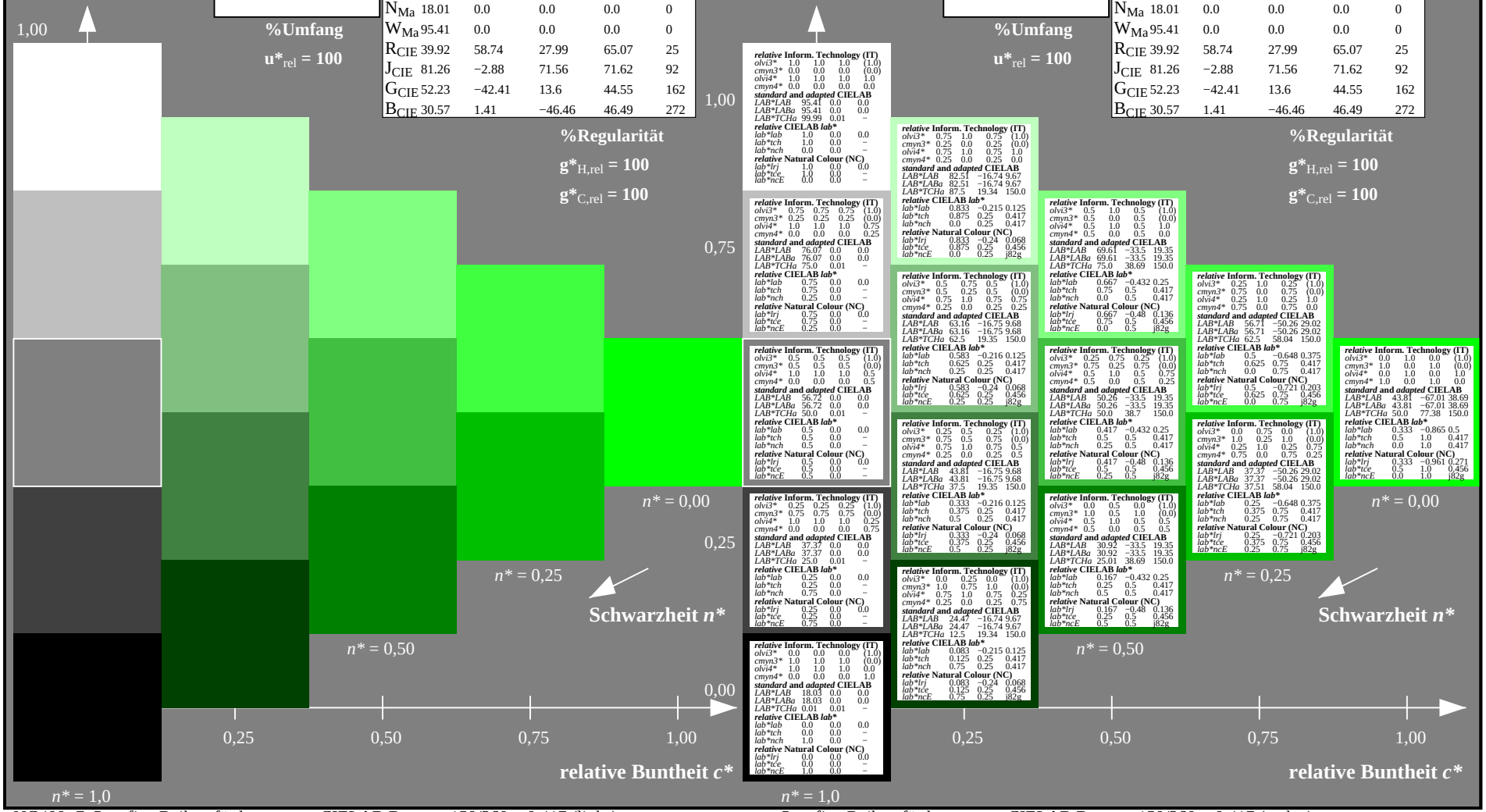


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

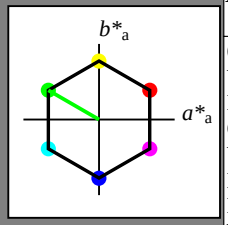
%Regularität
g*H,rel = 100
g*C,rel = 100



Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

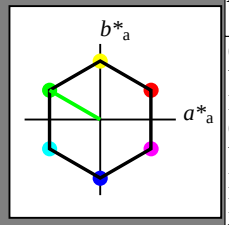
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

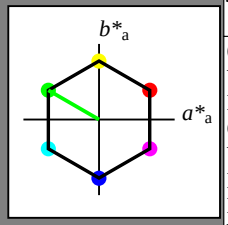
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

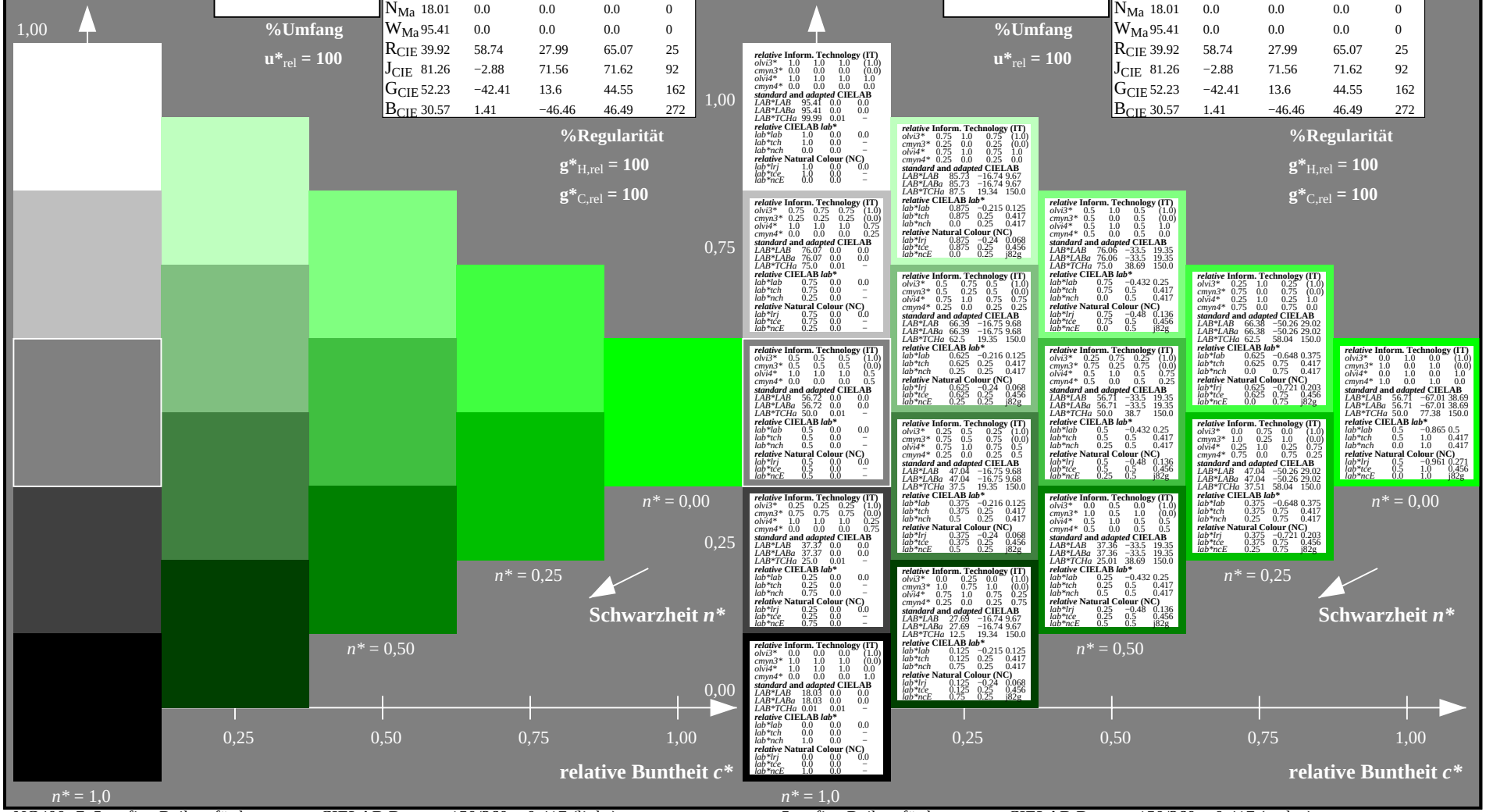


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



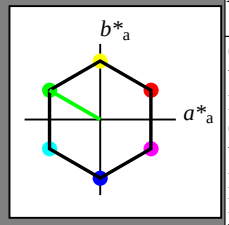
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

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

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

Schwarzheit *n**

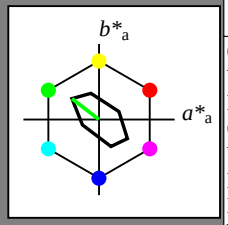
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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**

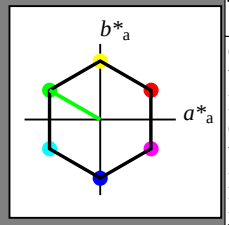
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

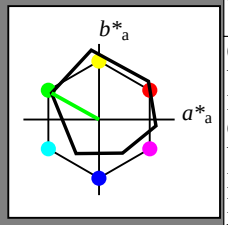
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

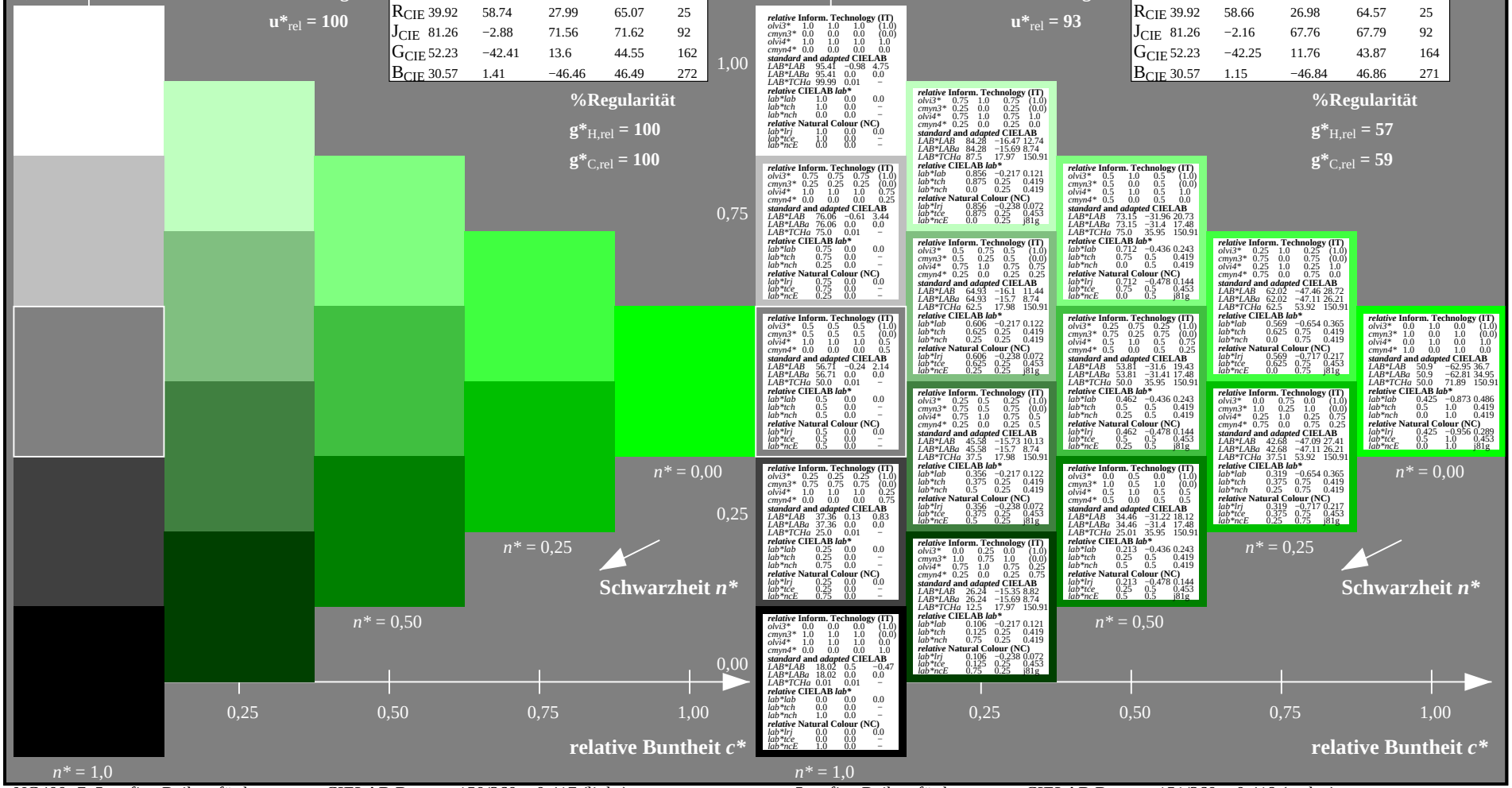


%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

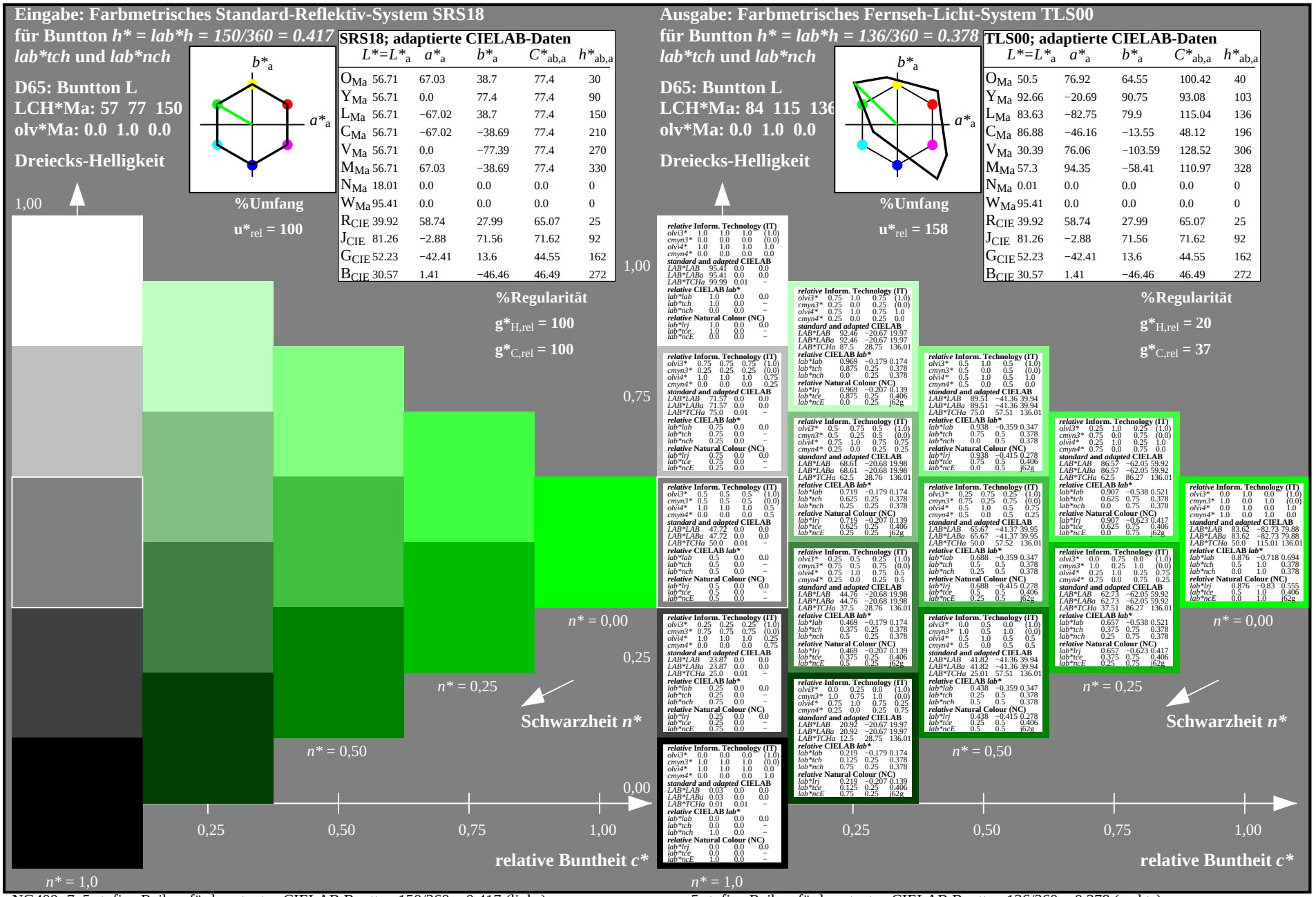
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)



SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

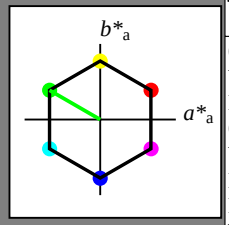
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

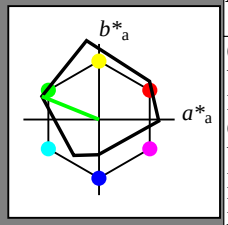
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 158/360 = 0.439***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

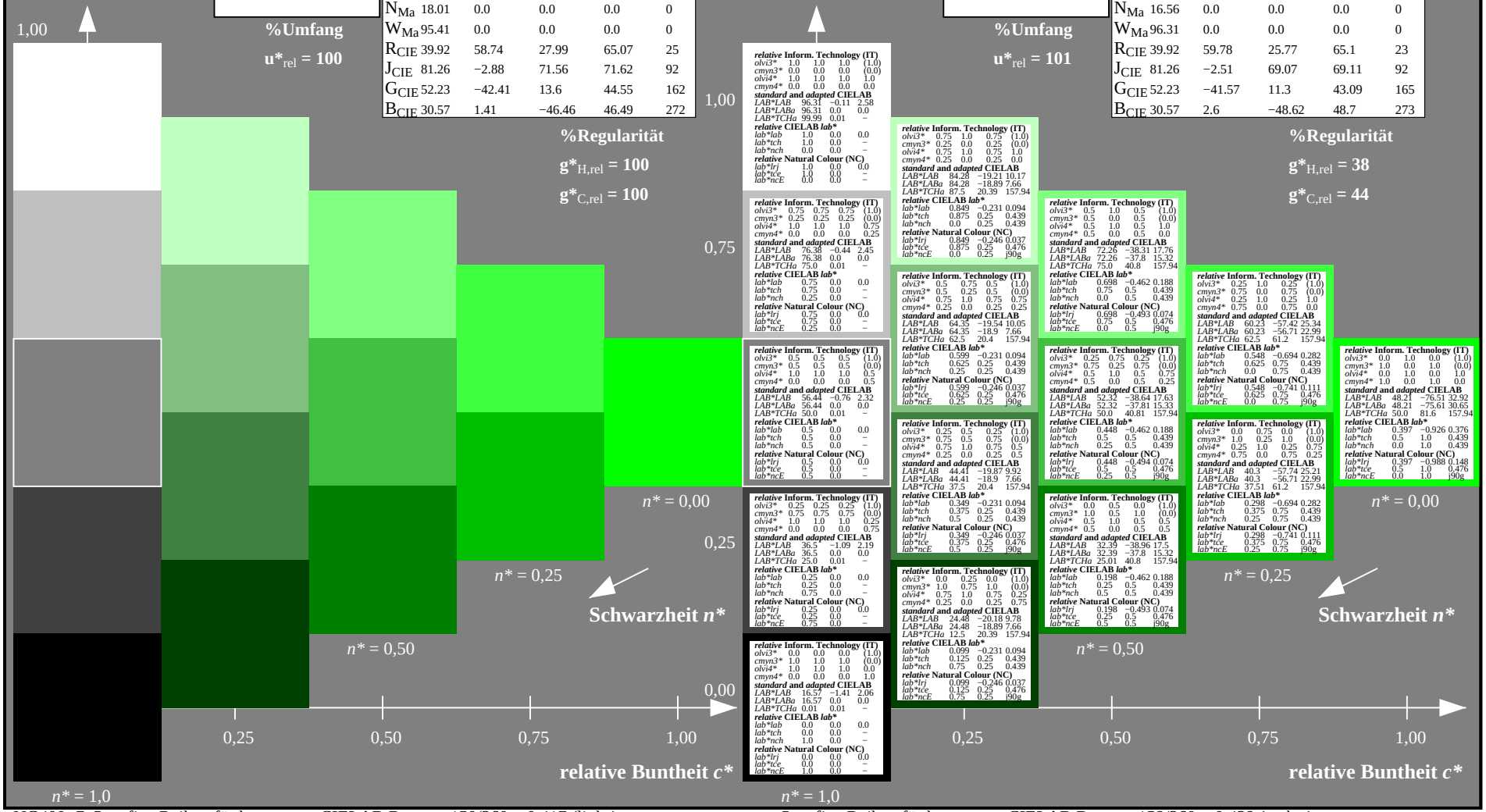


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



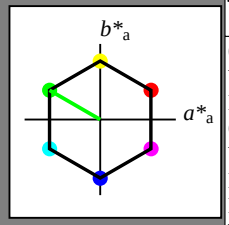
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

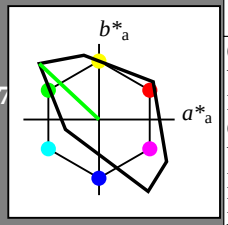
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

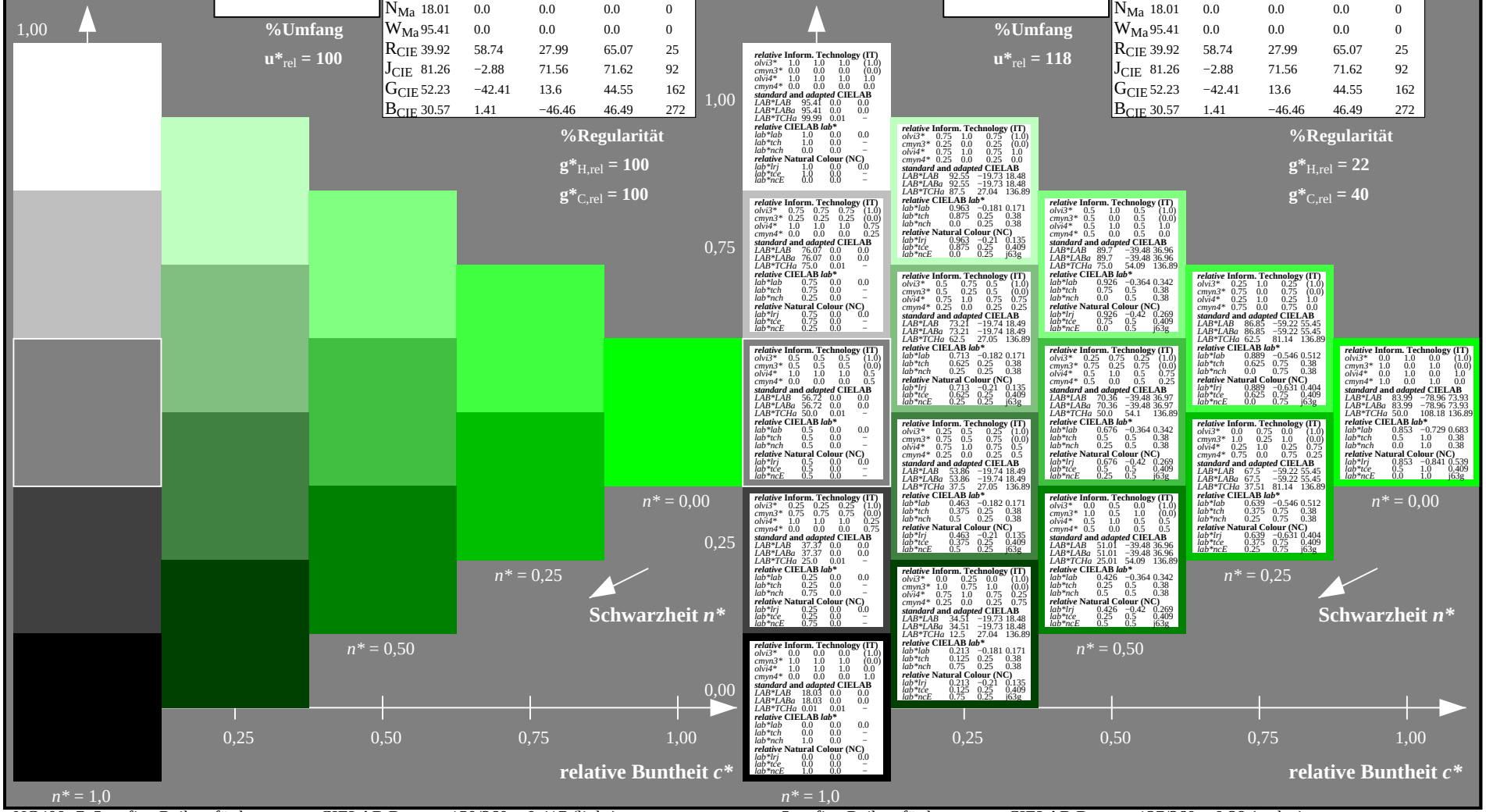


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



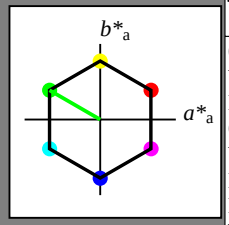
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

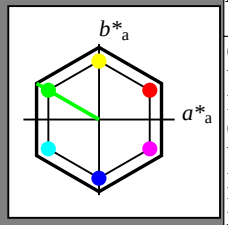
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

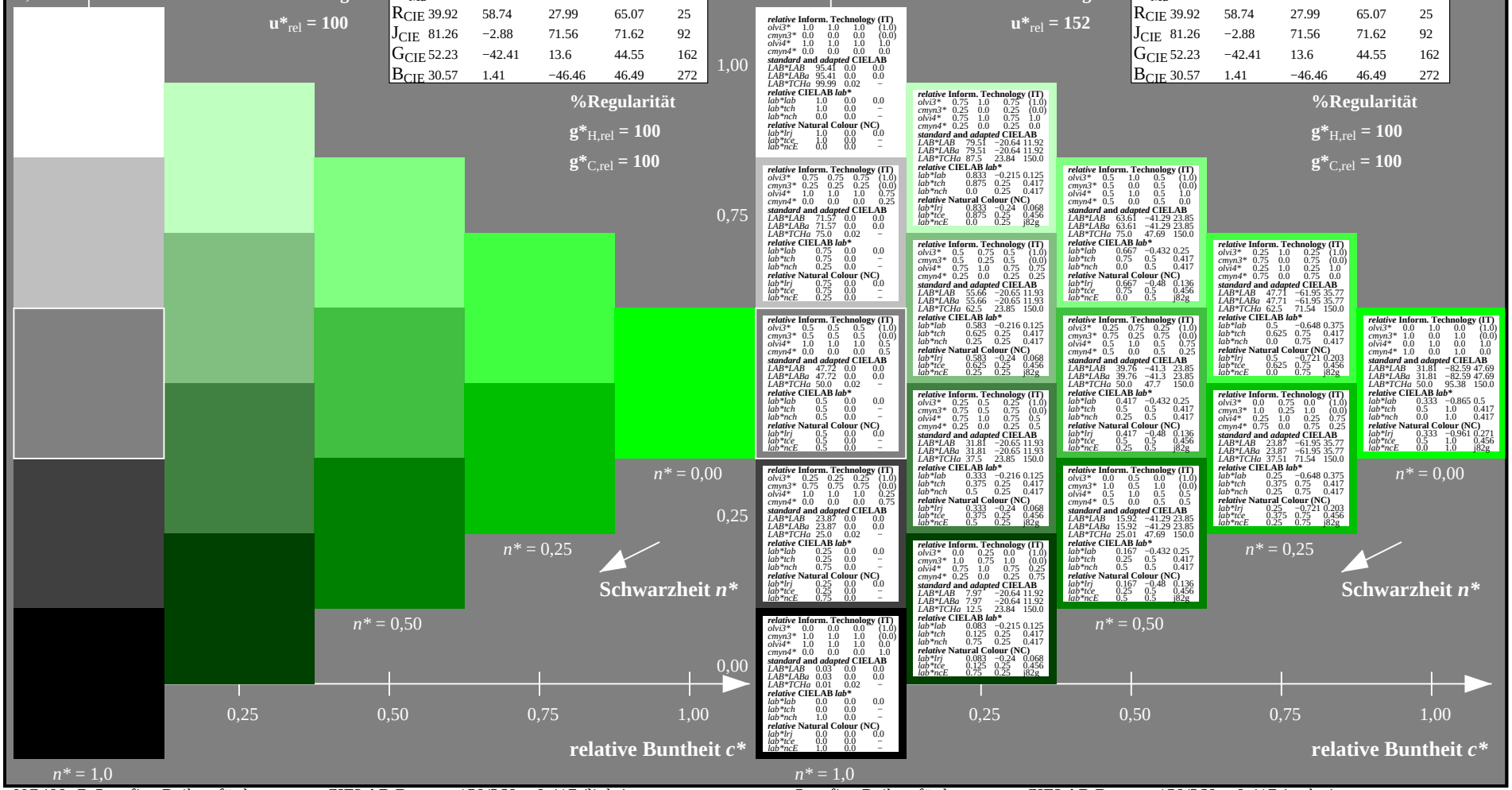


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



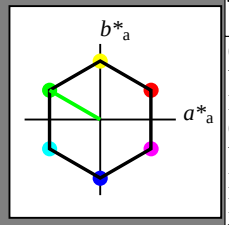
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

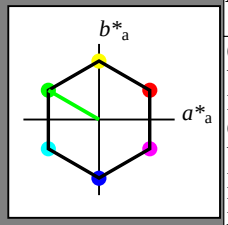
SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

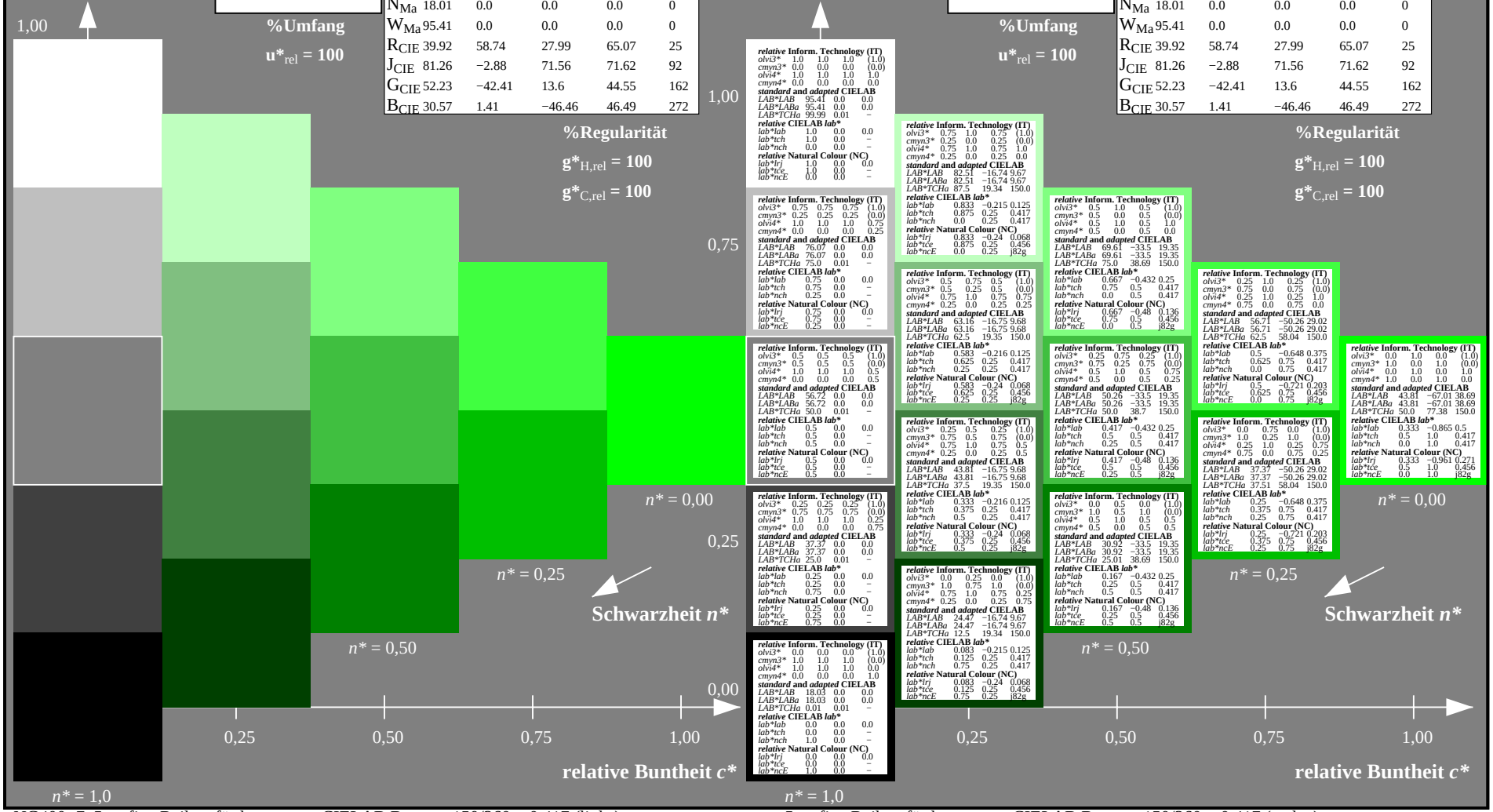
Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



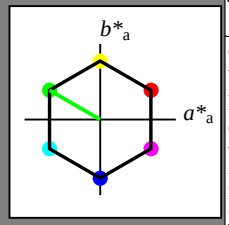
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

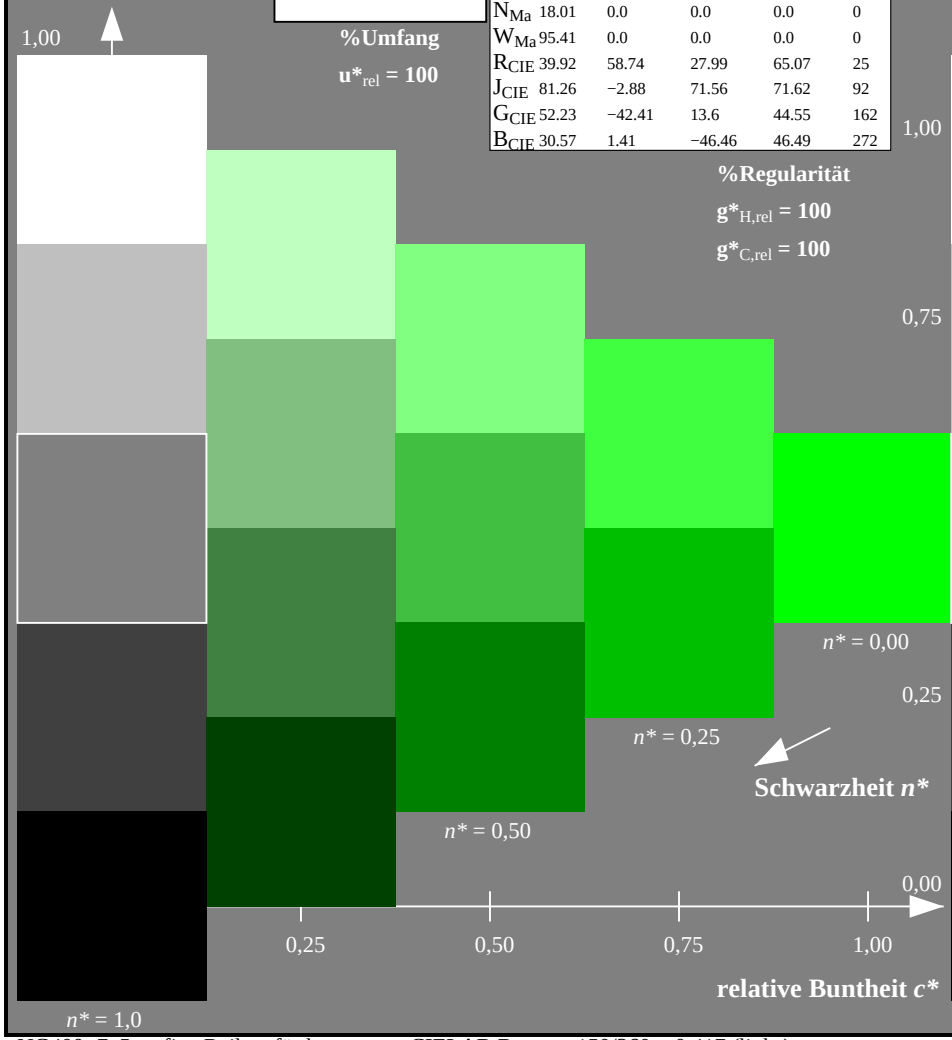
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

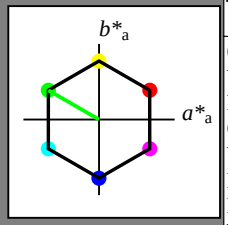


%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

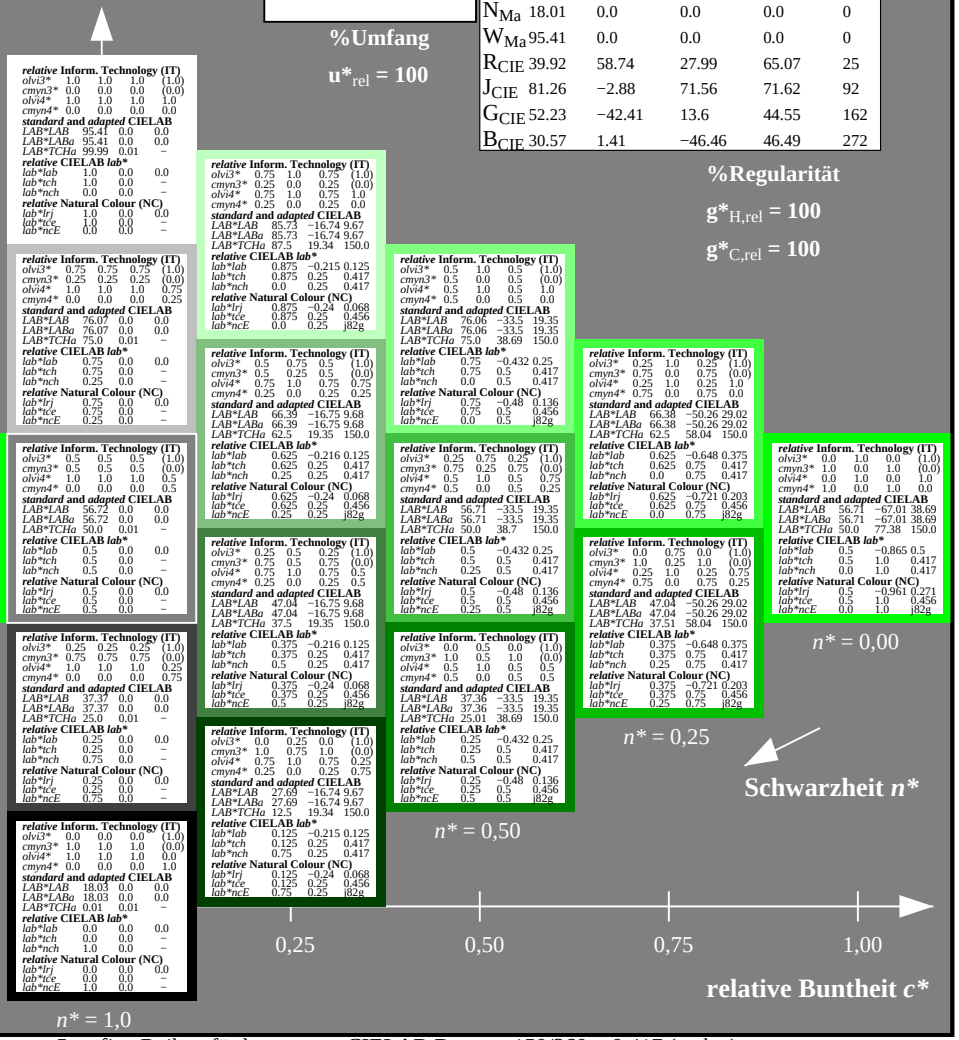
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



%Regularität
g*H,rel = 100
g*C,rel = 100

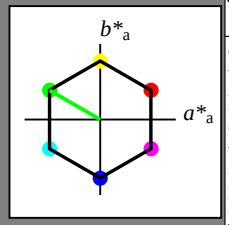
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

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

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

Schwarzheit *n**

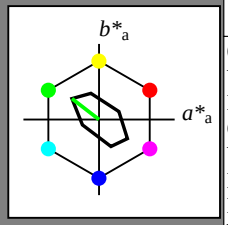
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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**

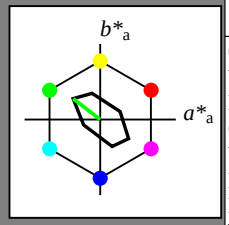
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

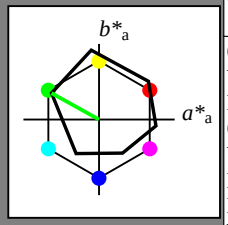
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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

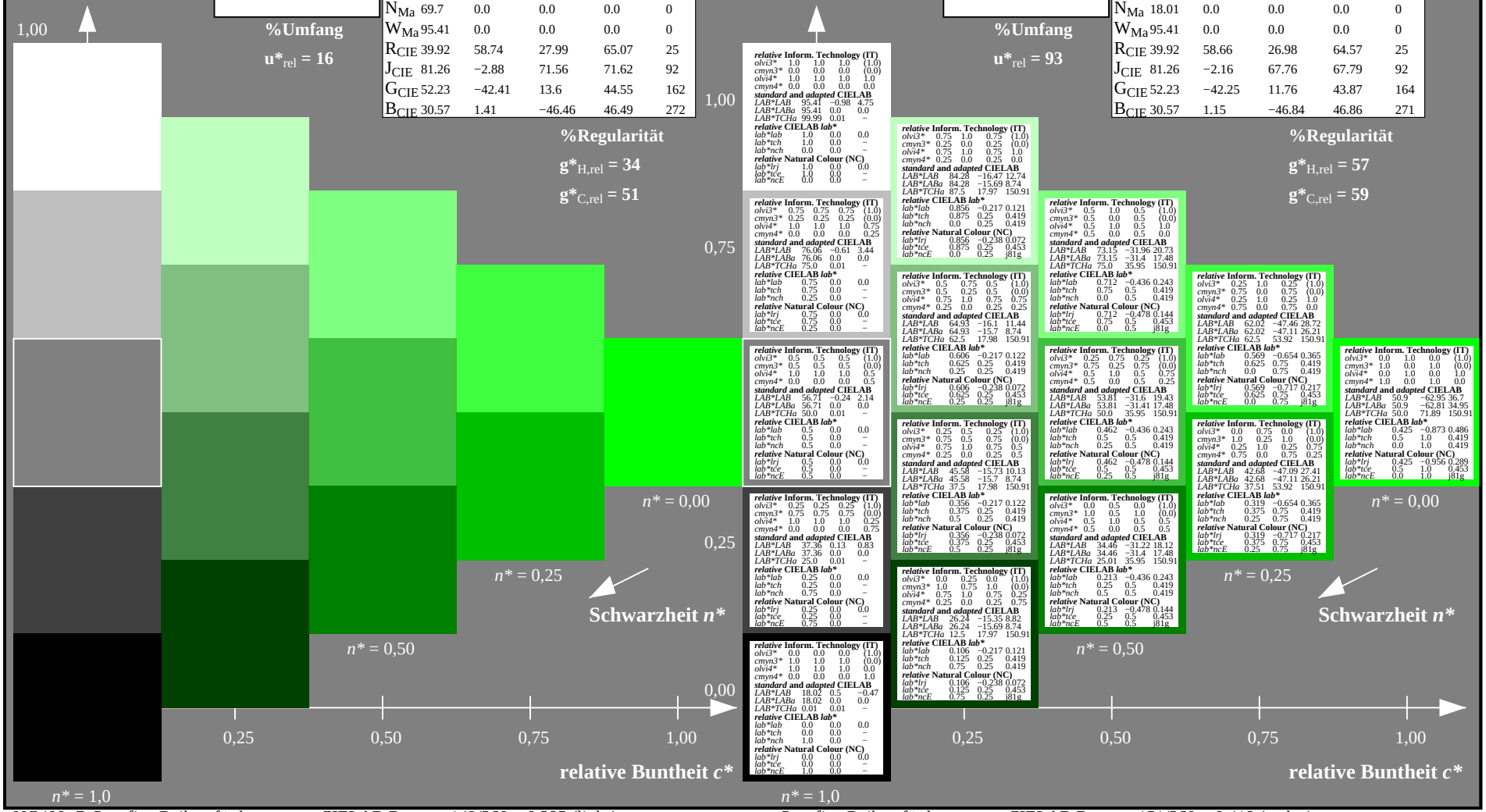


%Umfang
u*rel = 93

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



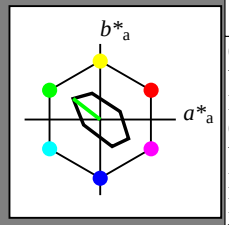
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 142/360 = 0.395*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

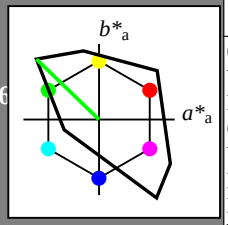
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: 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

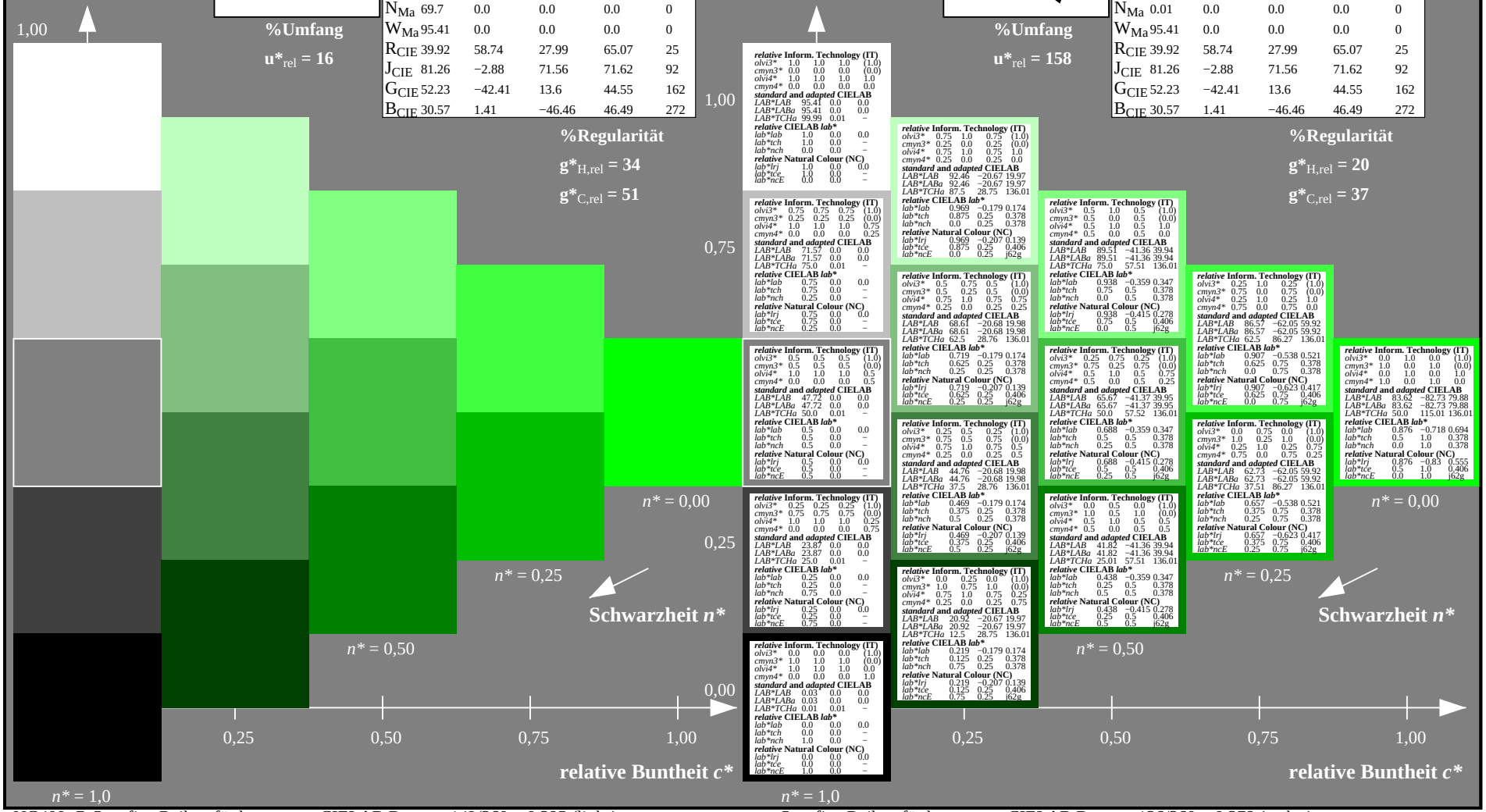


%Umfang
u^*_{rel} = 158

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



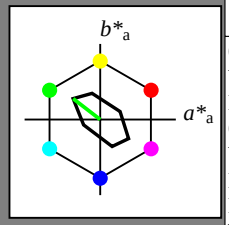
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

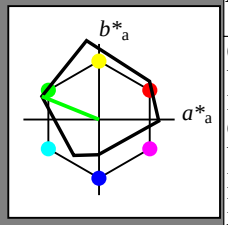
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 158/360 = 0.439***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 48 82 158
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

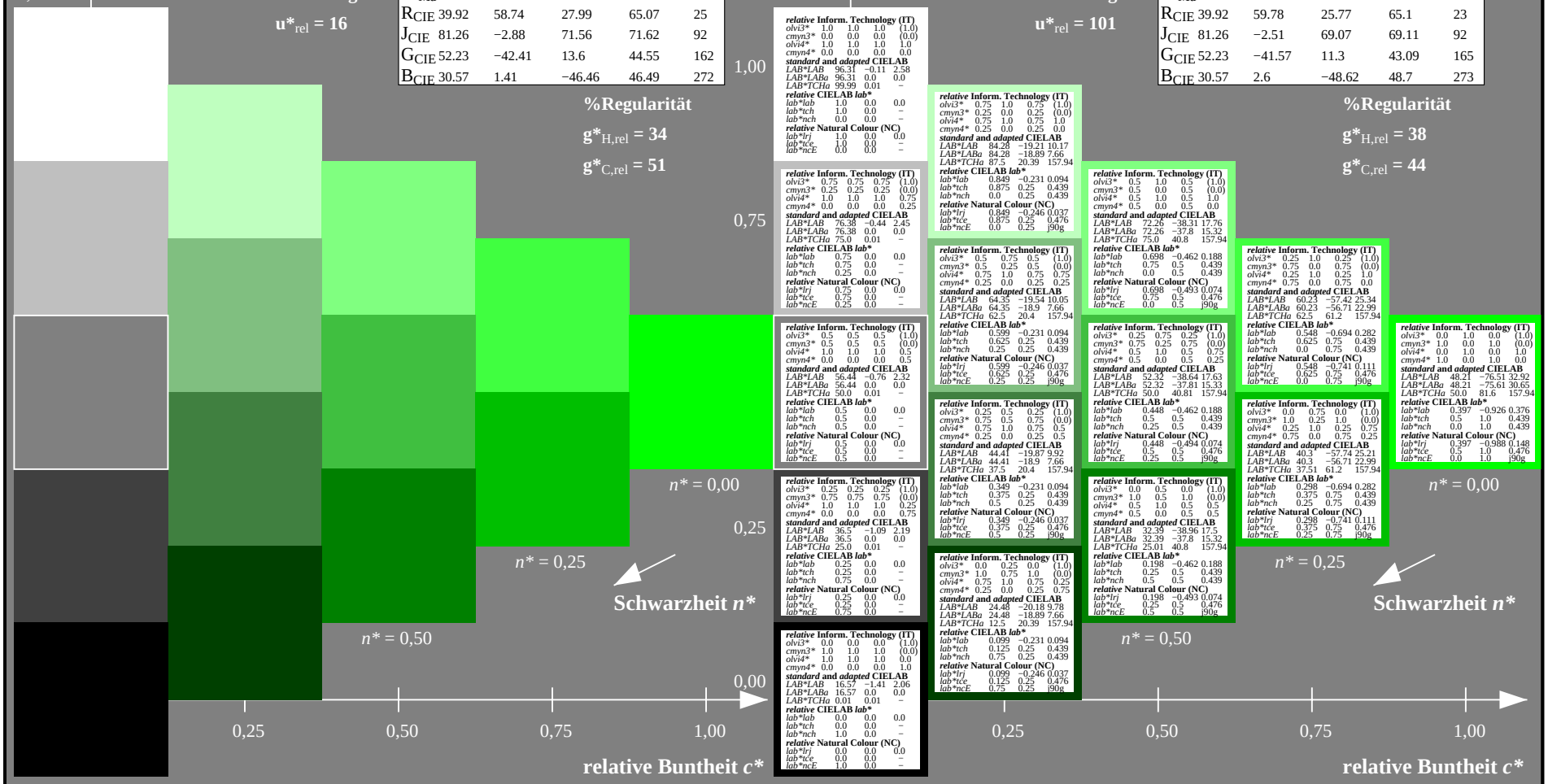


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



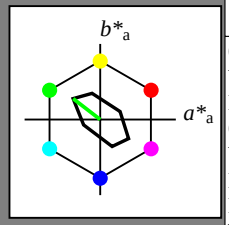
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 158/360 = 0.439 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

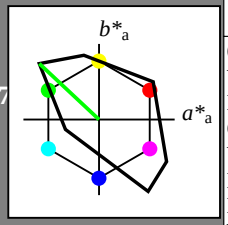
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 137/360 = 0.38**
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

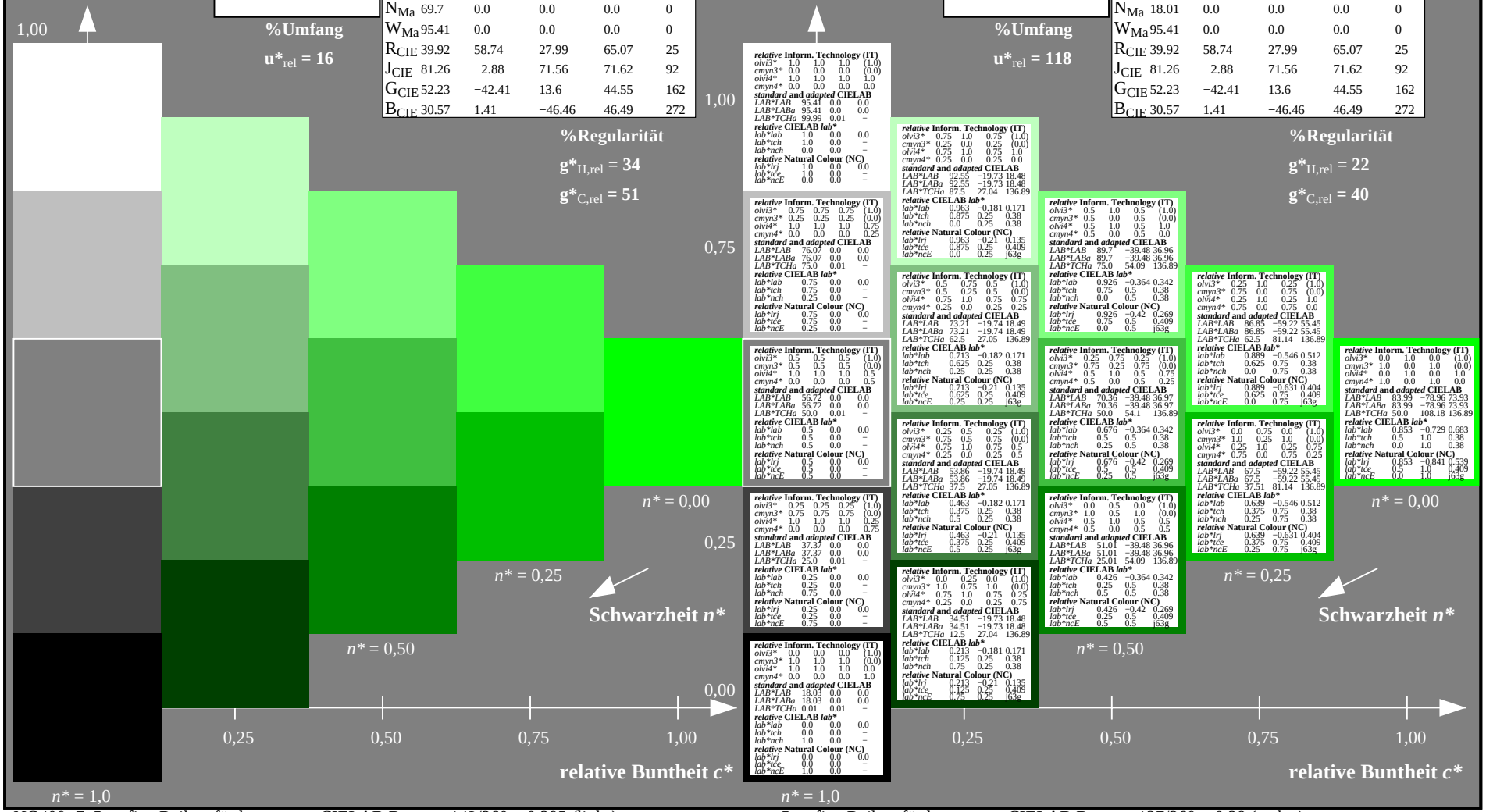


%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40



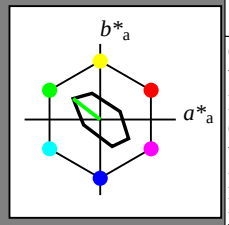
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

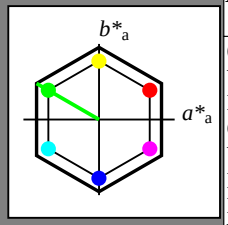
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 32 95 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

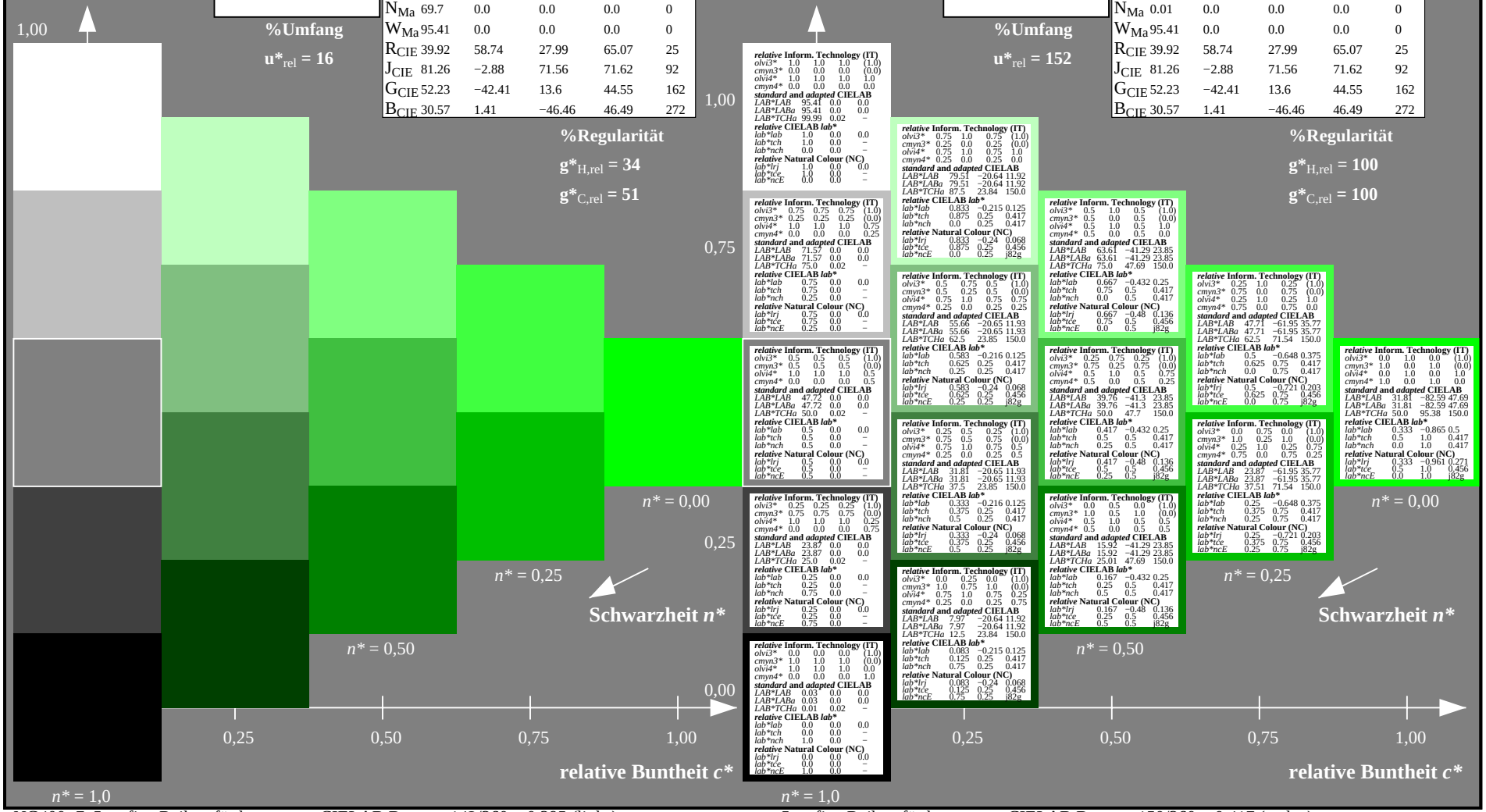


%Umfang

u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



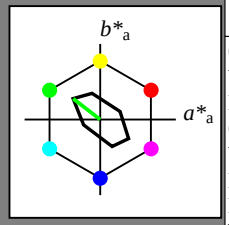
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

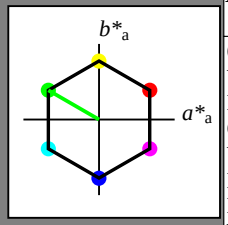
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 44 77 150
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

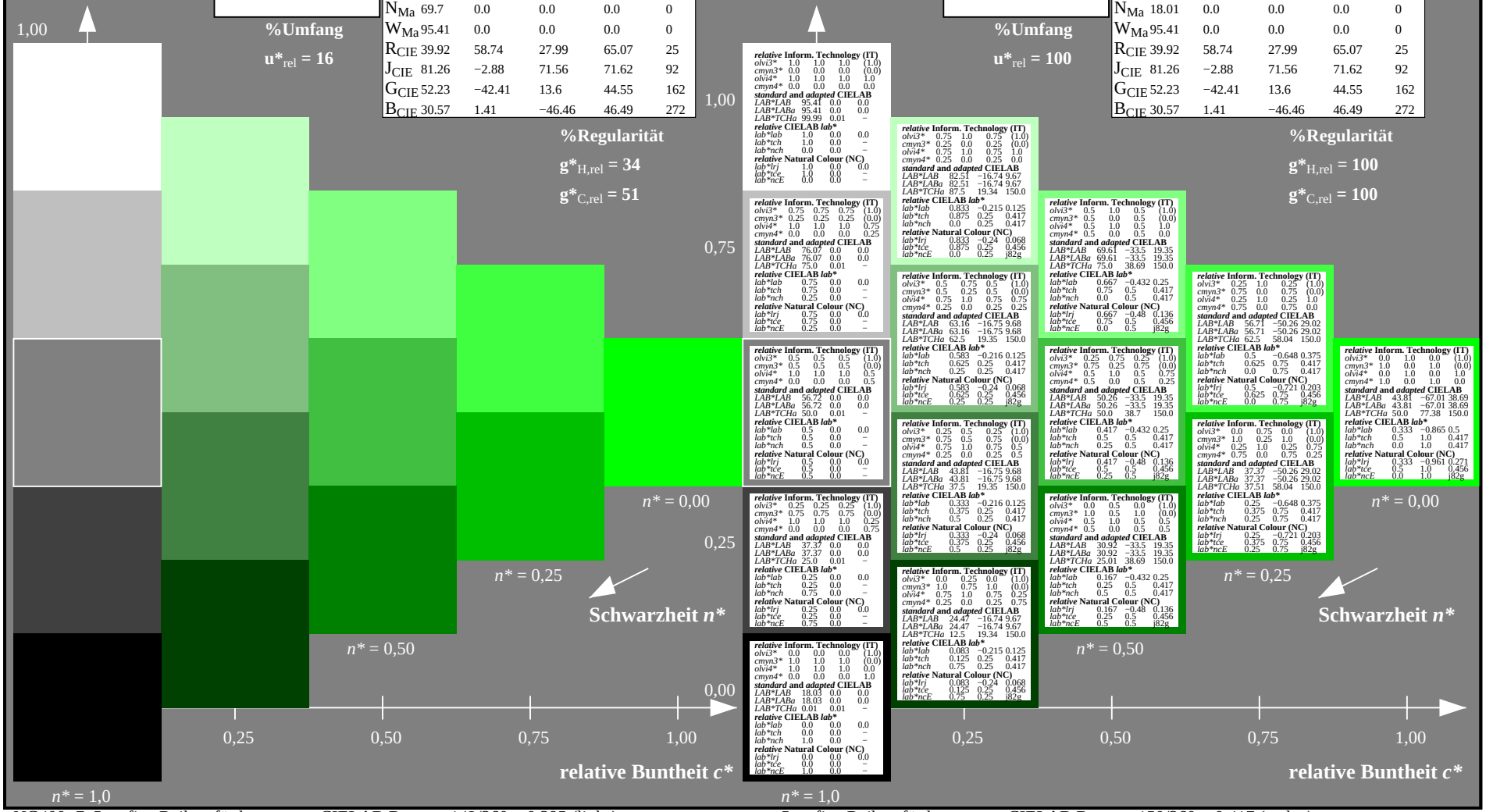


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



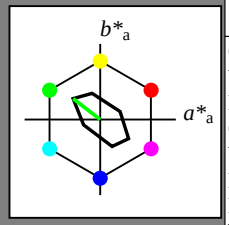
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

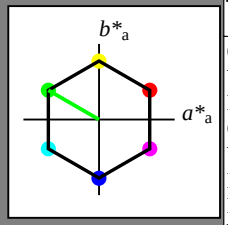
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 150/360 = 0.417***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

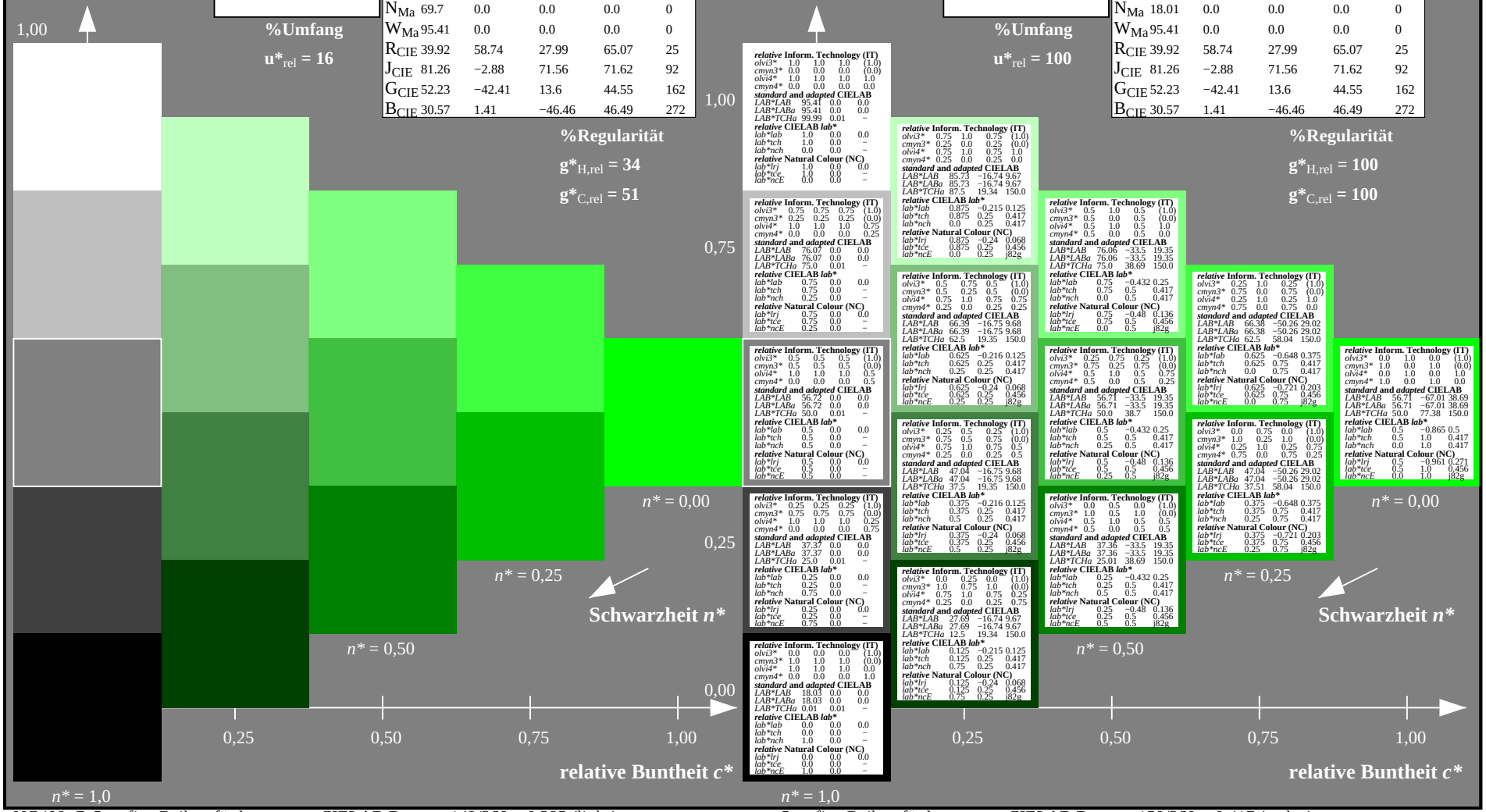
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



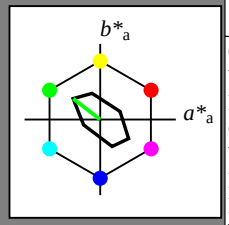
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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

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

Schwarzheit *n**

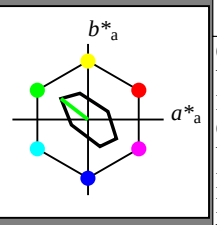
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 142/360 = 0.395***
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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

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

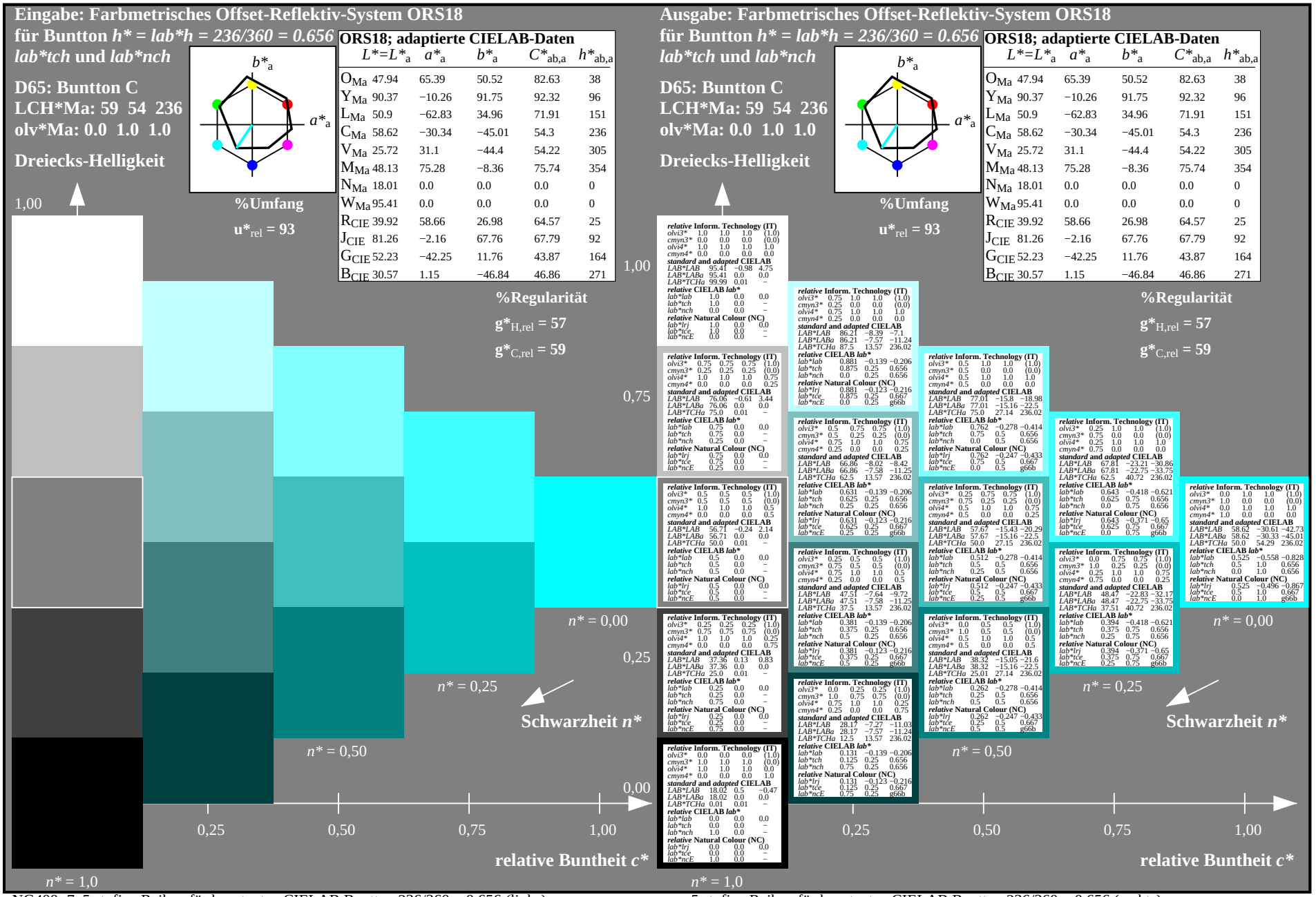
Schwarzheit *n**

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

relative Buntheit *c**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

5 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)



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

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

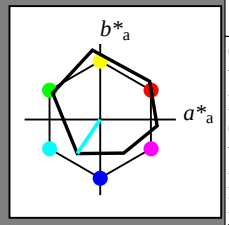
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

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

Eingabe: 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



%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

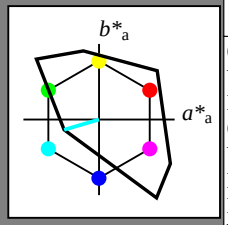
%Regularität
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

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 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



%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**

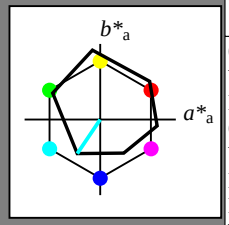
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: 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



%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

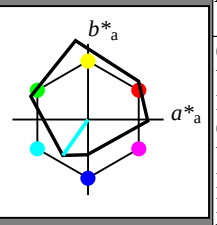
%Regularität
g*H,rel = 57
g*C,rel = 59

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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

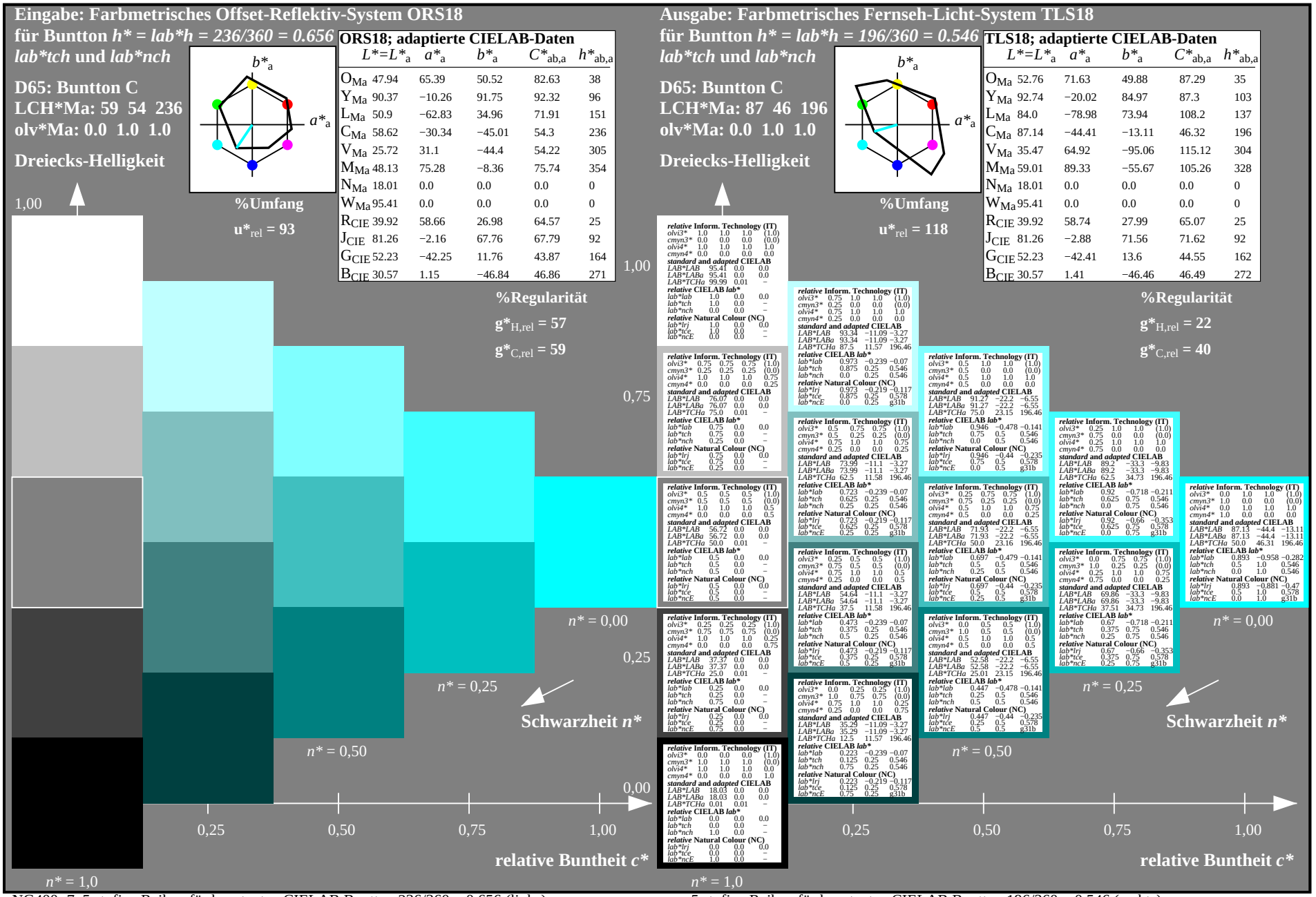
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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**

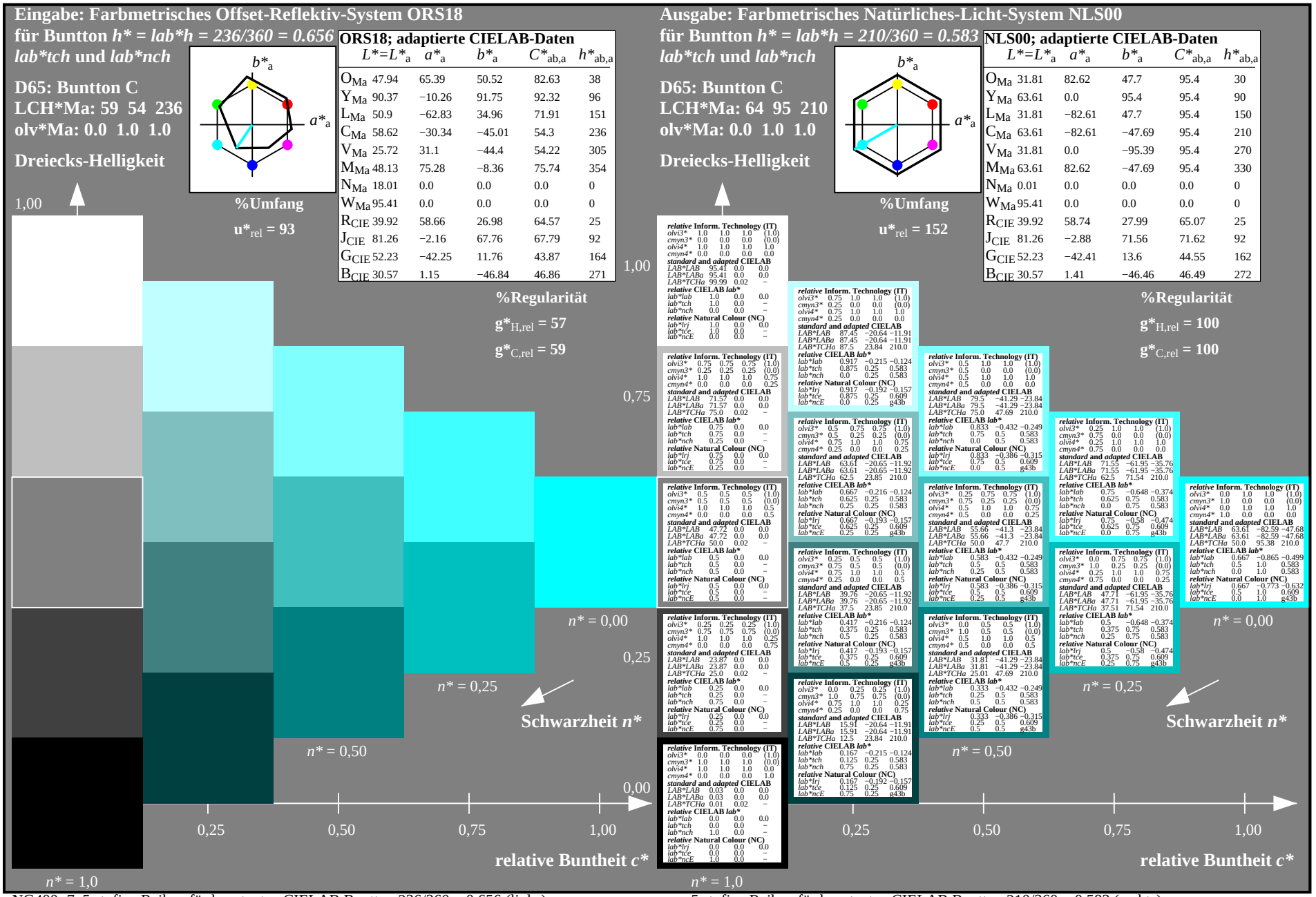
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)



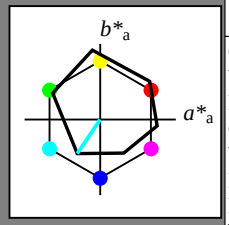
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: 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



%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

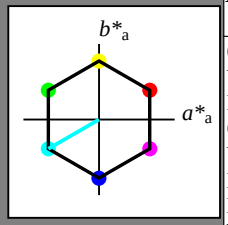
%Regularität
g*H,rel = 57
g*C,rel = 59

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

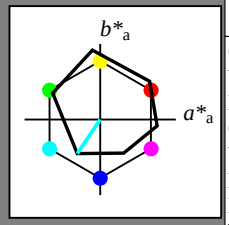
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: 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



%Umfang
u*rel = 93

ORS18; adaptierte CIELAB-Daten

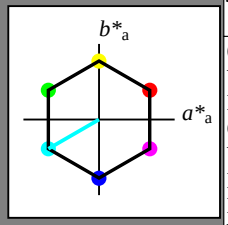
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

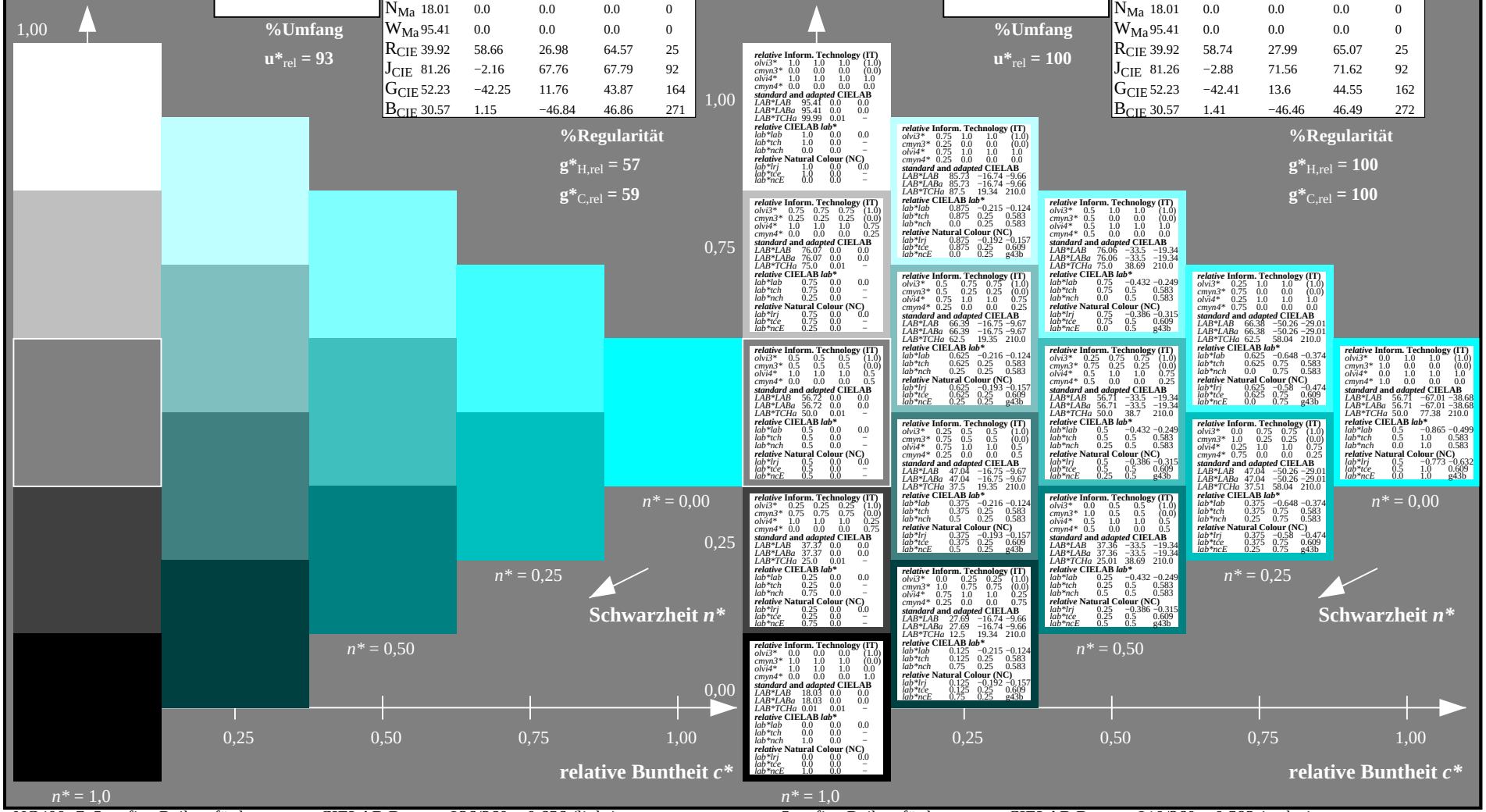


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



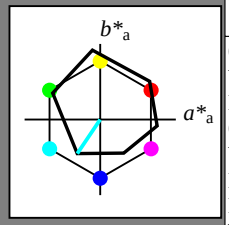
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: 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



%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

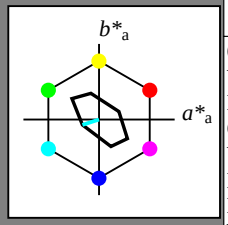
%Regularität
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

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 Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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**

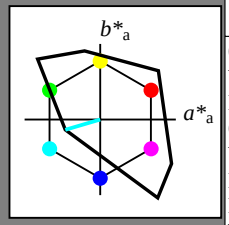
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

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



%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

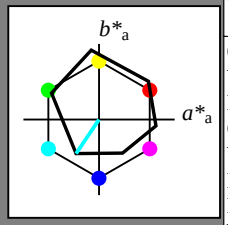
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

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



%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	10.52	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

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

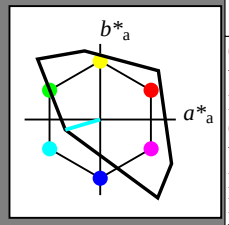
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

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

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



%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

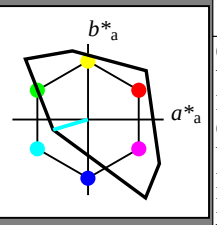
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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

Ausgabe: 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



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

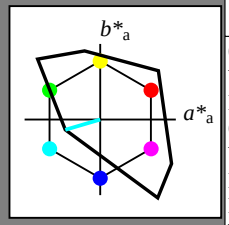
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

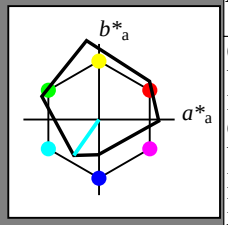
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

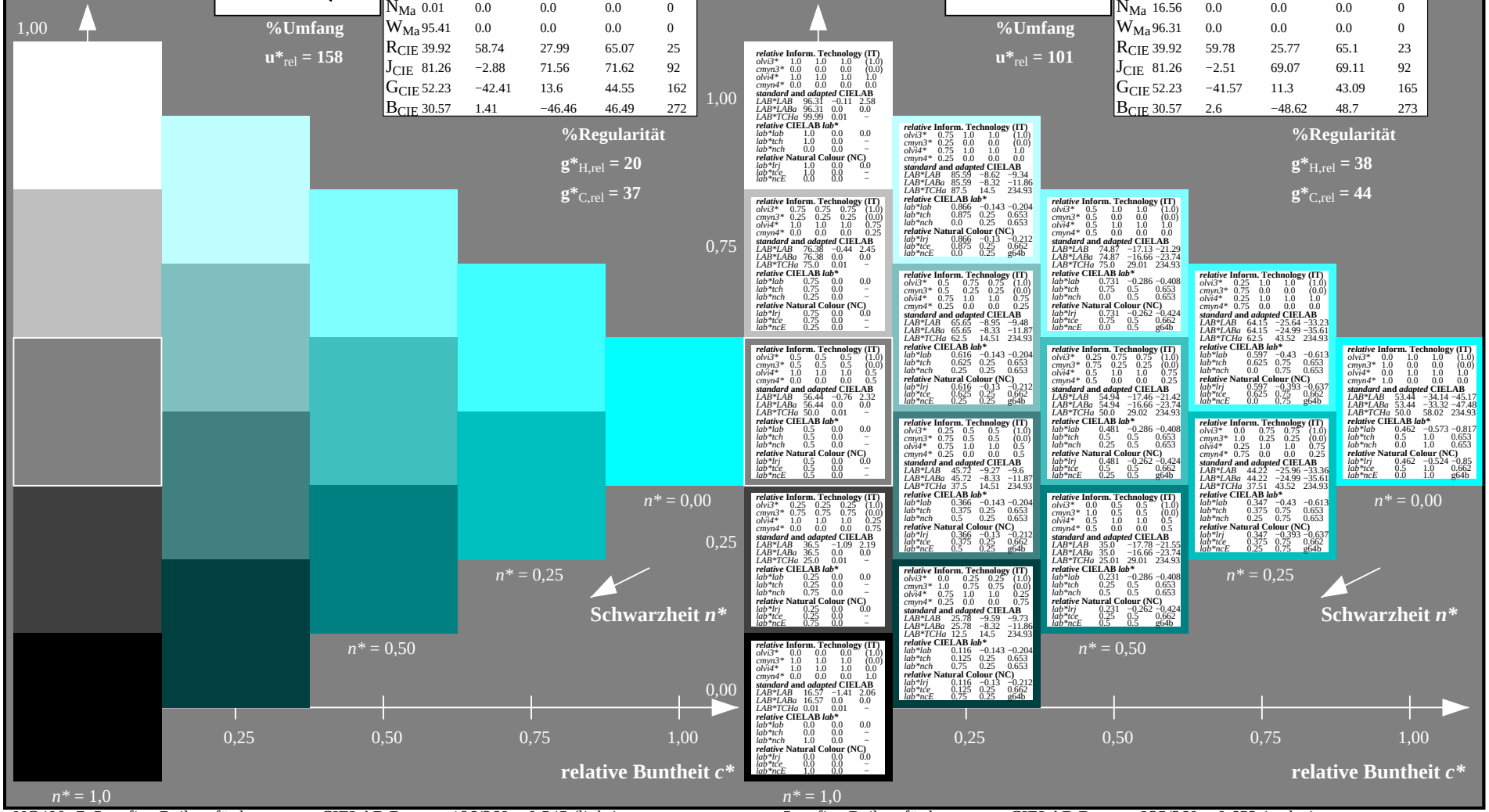


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



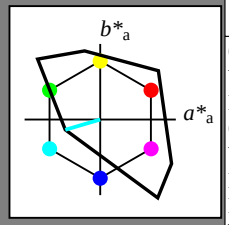
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

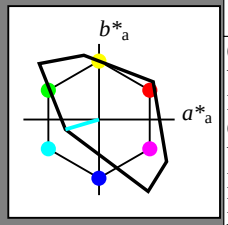
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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**

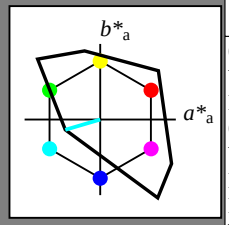
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

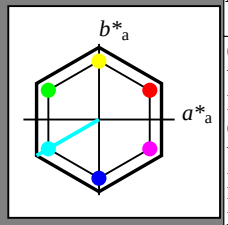
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

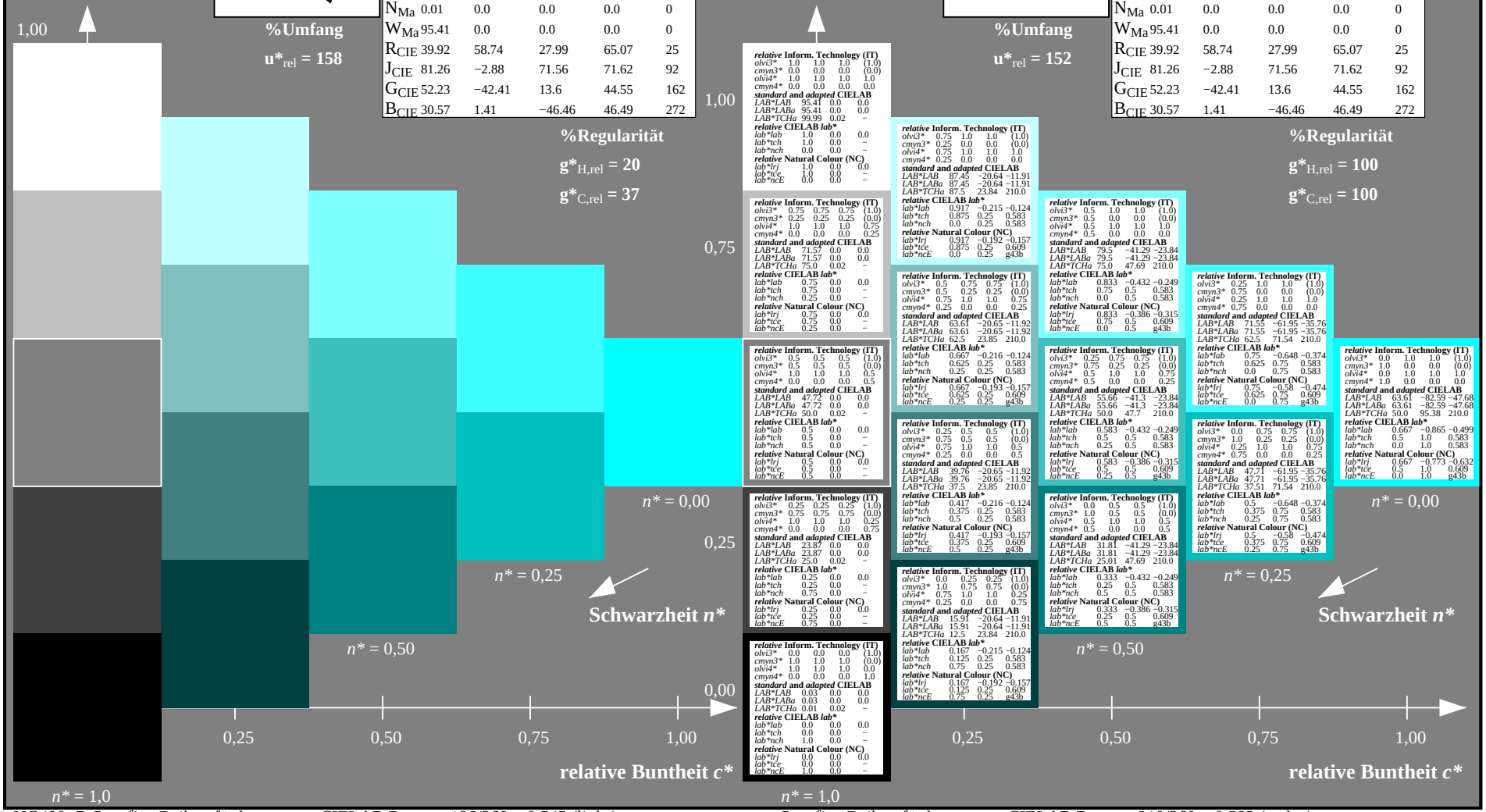


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



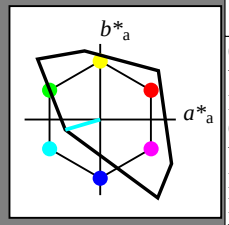
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

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



%Umfang
u^*_{rel} = 158

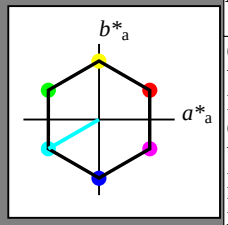
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

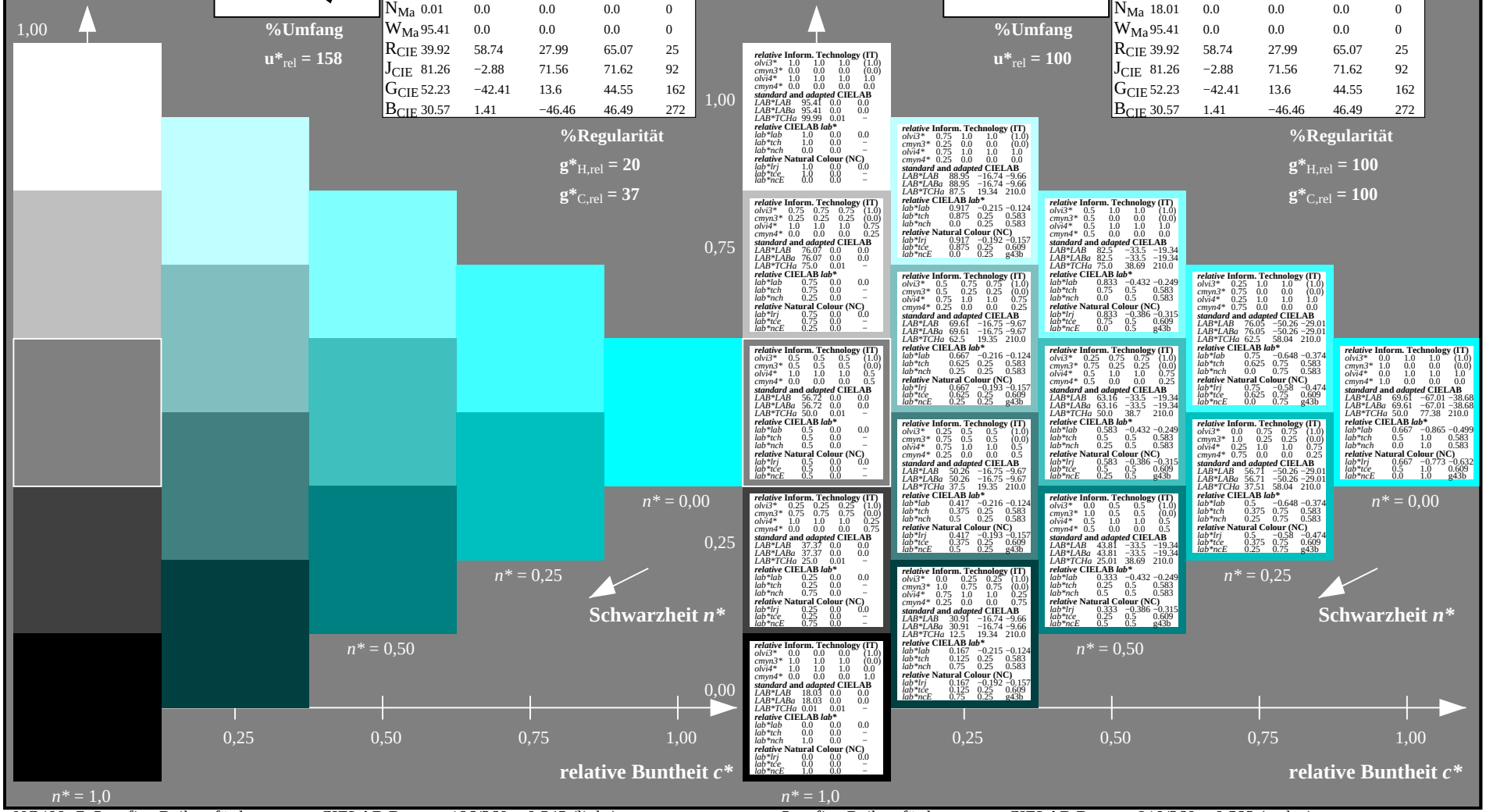
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



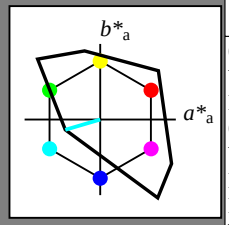
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

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



%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

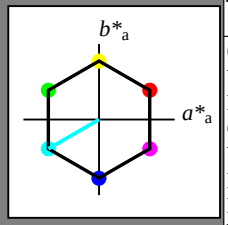
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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 Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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**

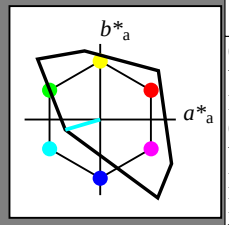
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

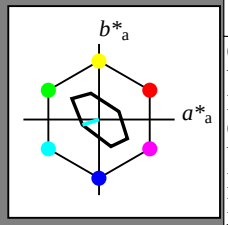
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

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**

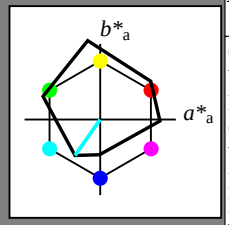
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

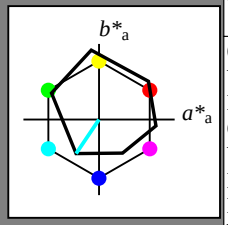
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

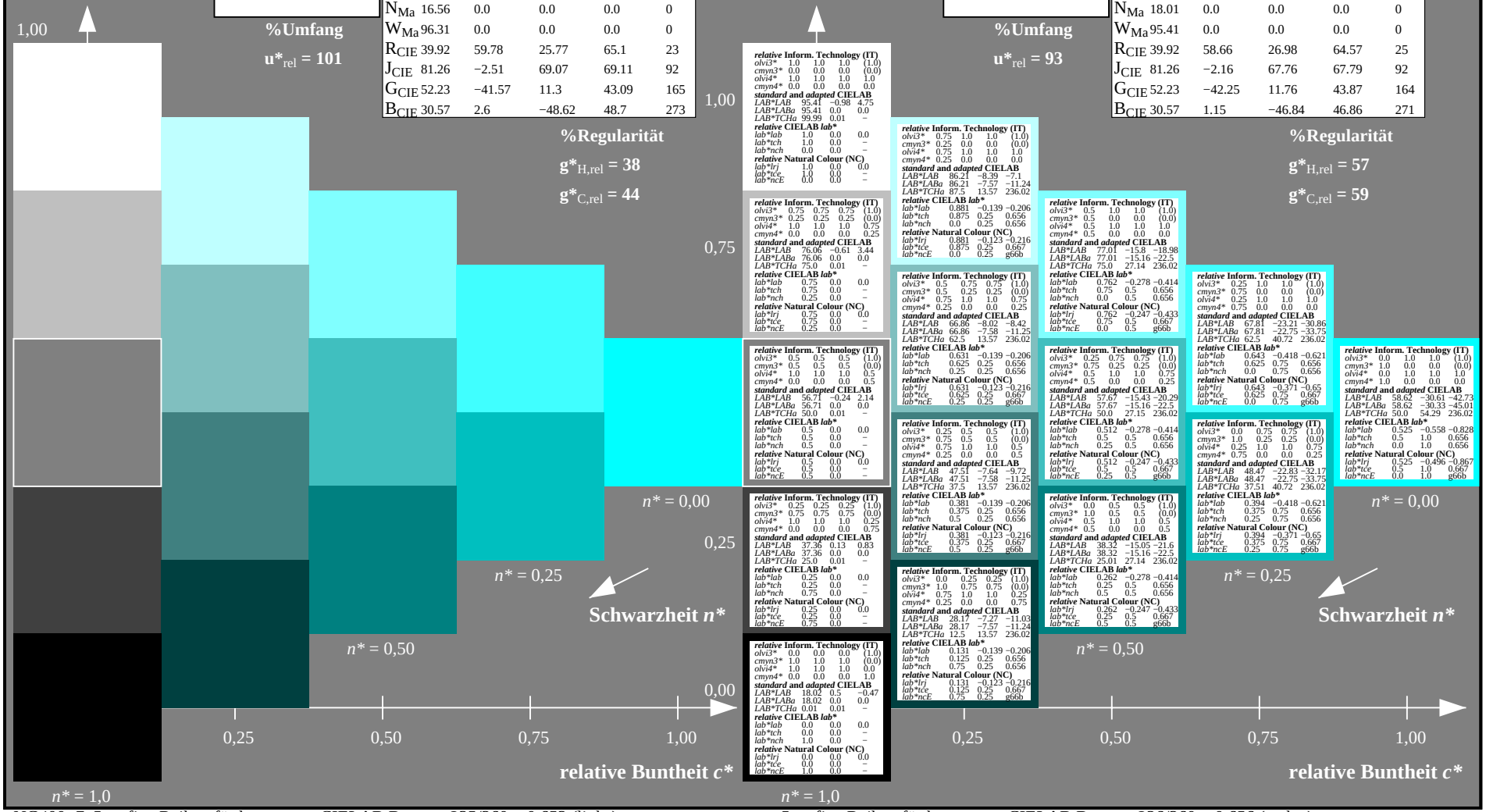


%Umfang
u*$_{rel}$ = 93

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



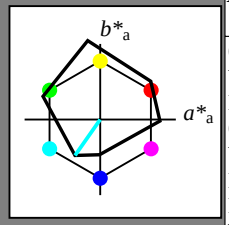
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

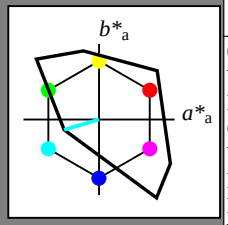
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: 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

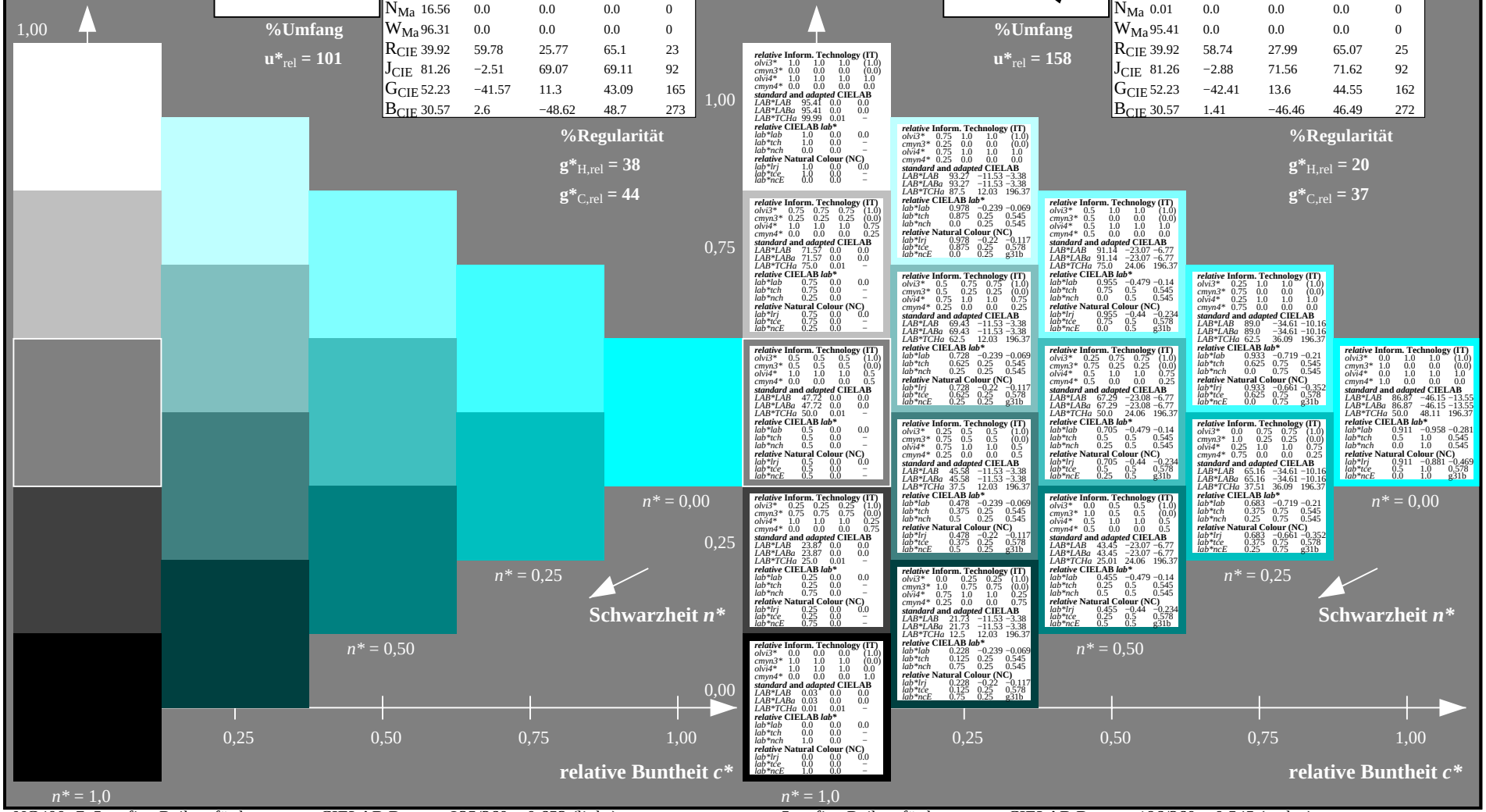


%Umfang
u^*_{rel} = 158

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



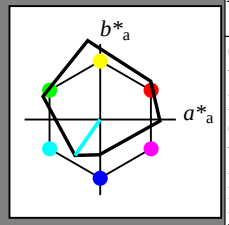
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

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

Schwarzheit *n**

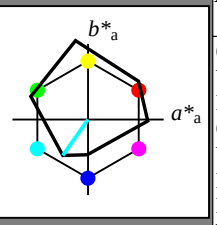
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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**

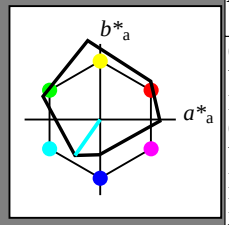
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

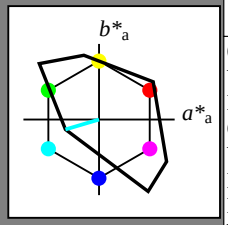
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 196/360 = 0.546*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

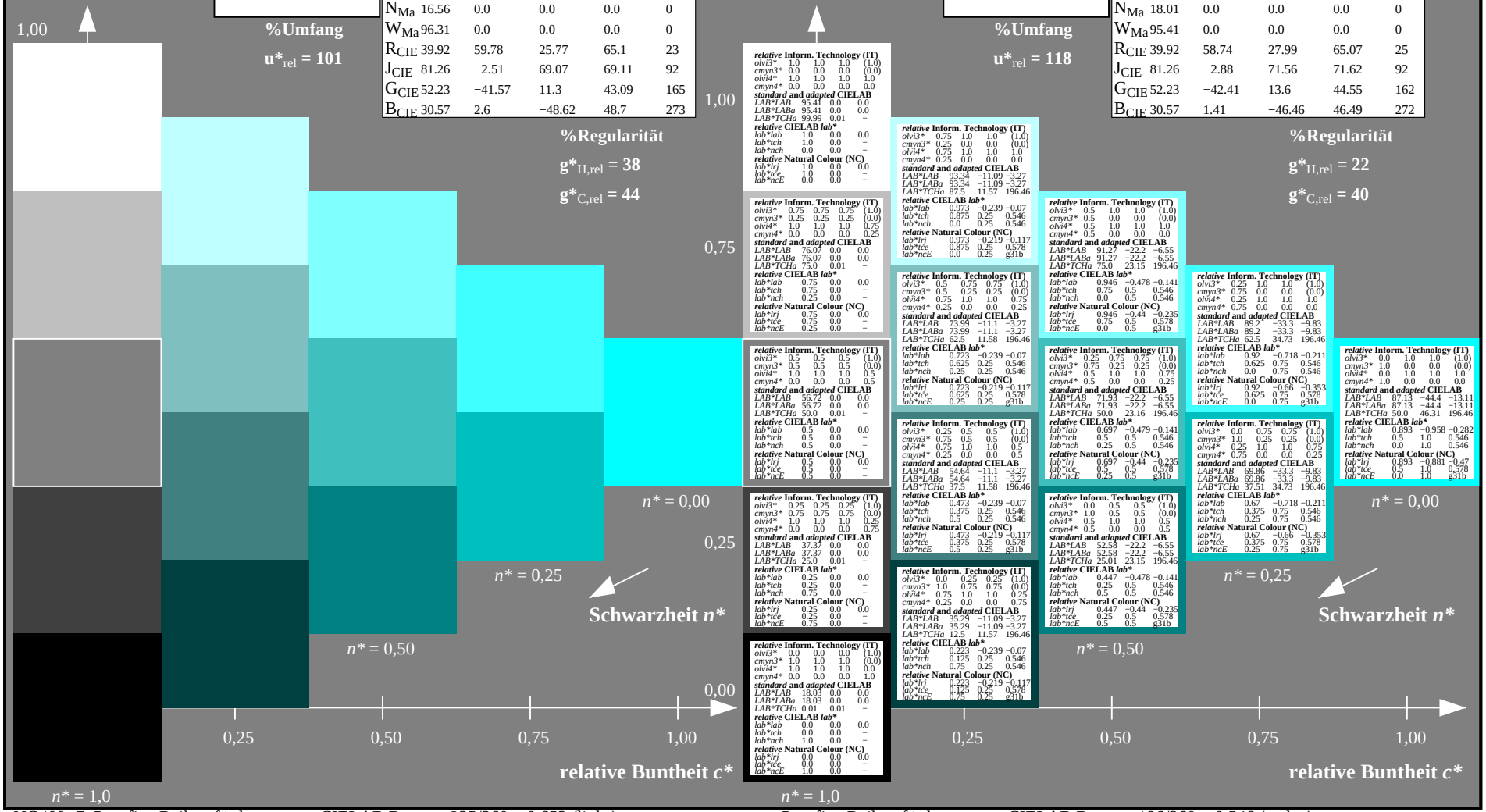


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



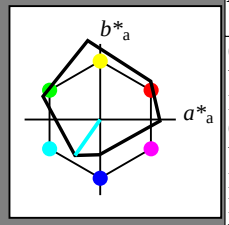
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

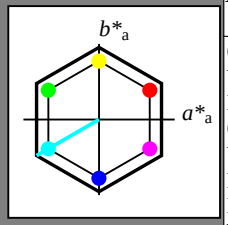
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

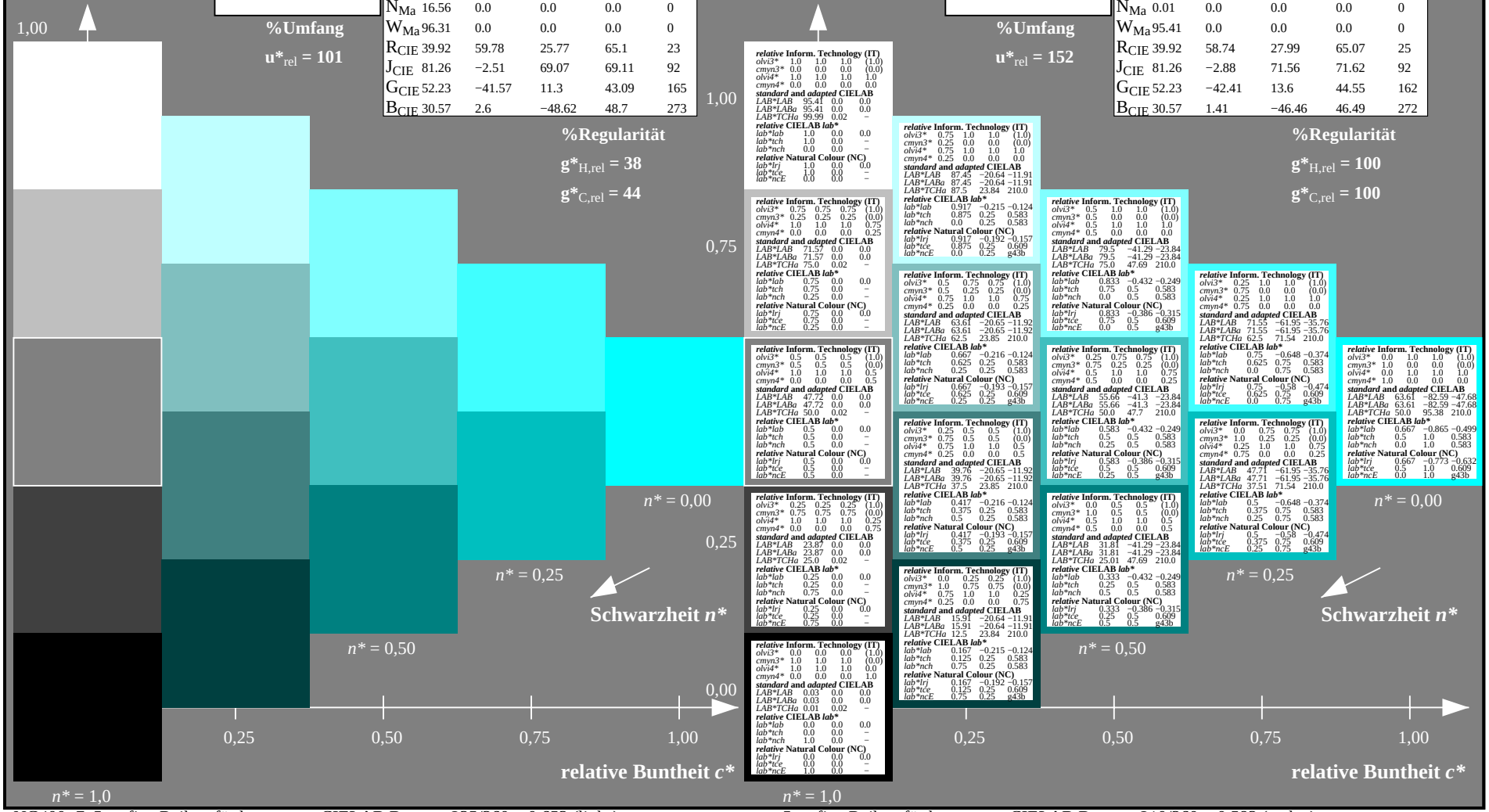


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



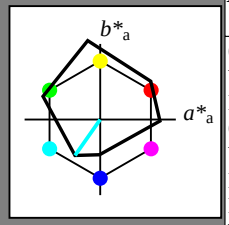
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

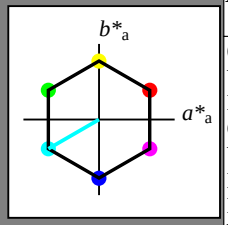
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

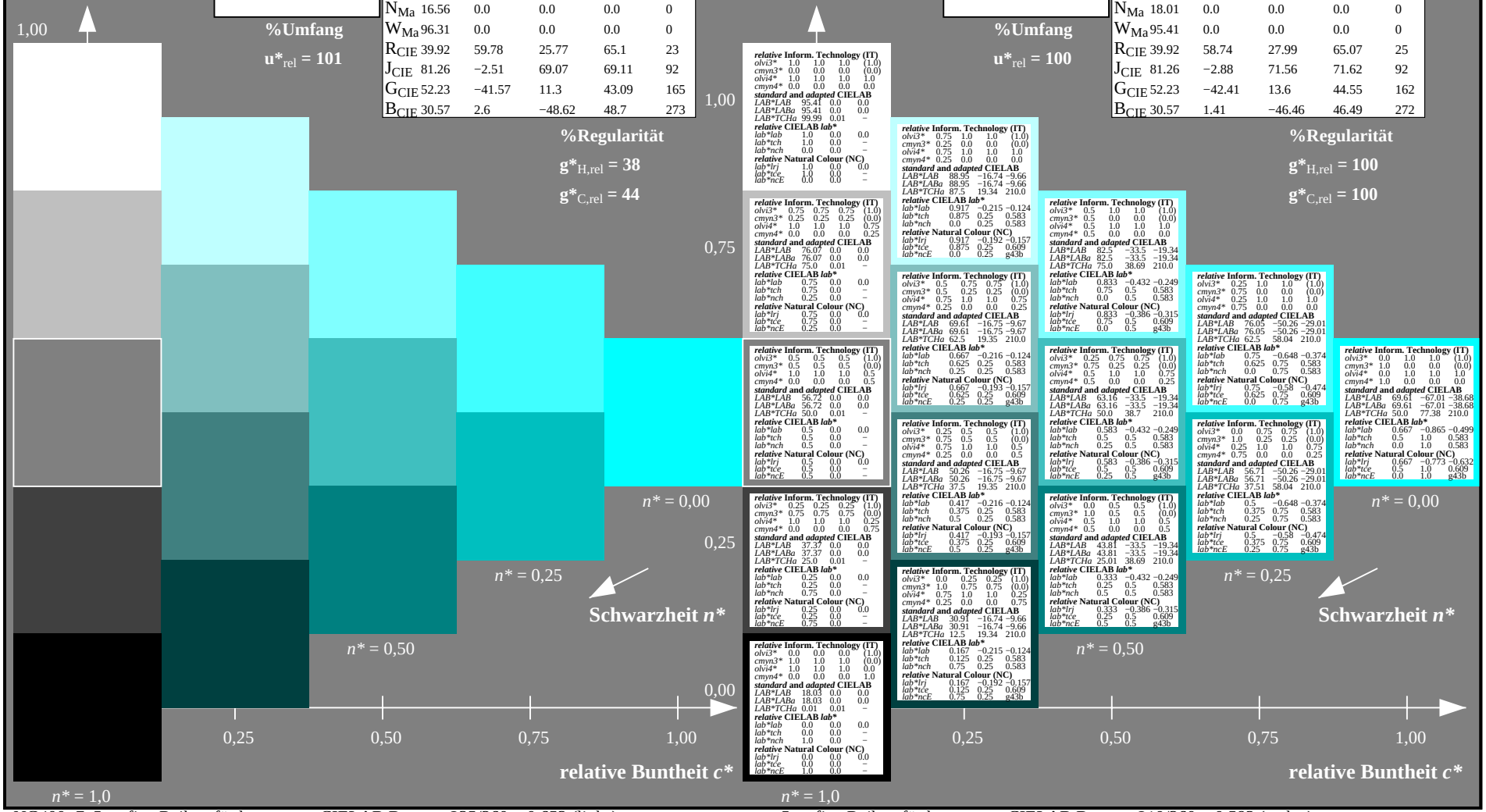


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



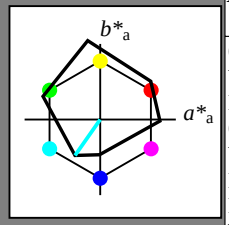
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

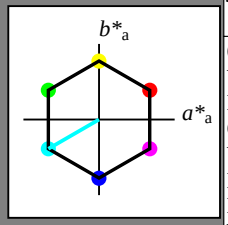
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

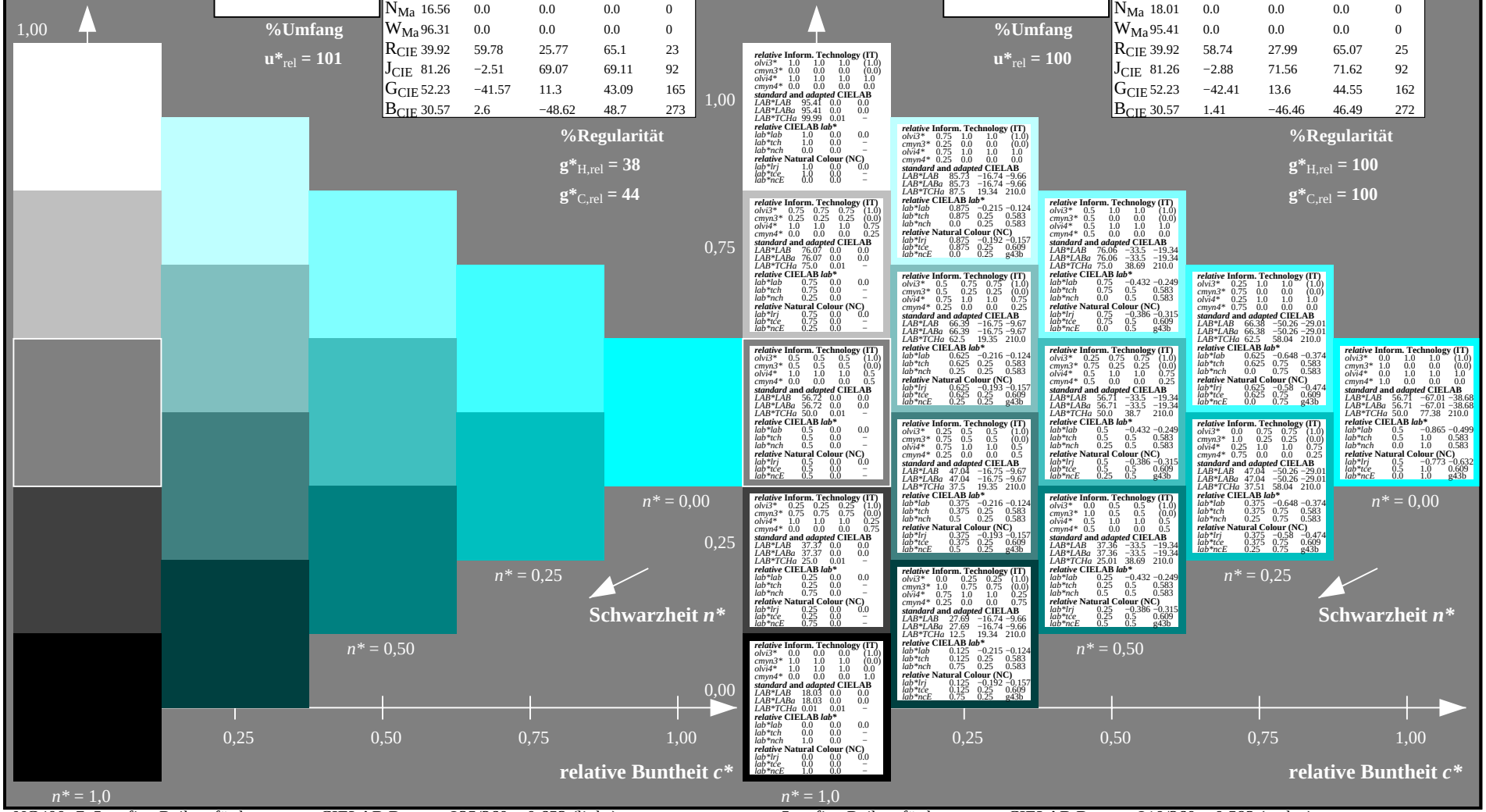


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



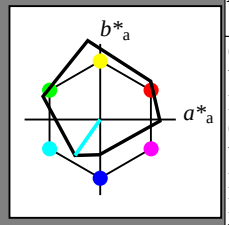
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 235/360 = 0.653*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

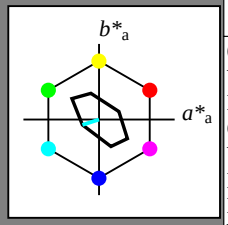
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

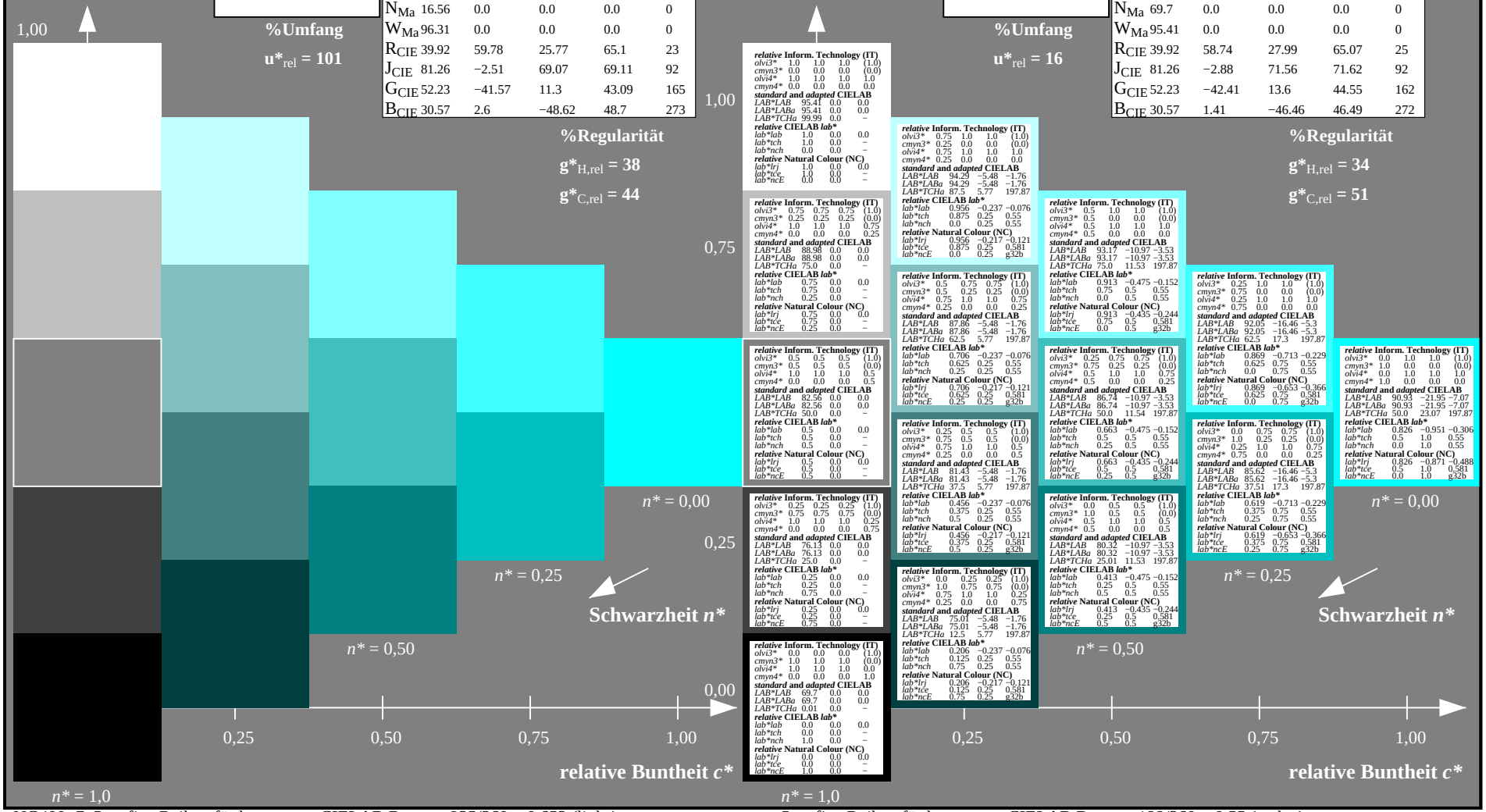


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



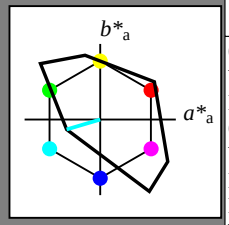
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 196/360 = 0.546*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

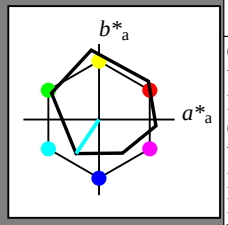
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

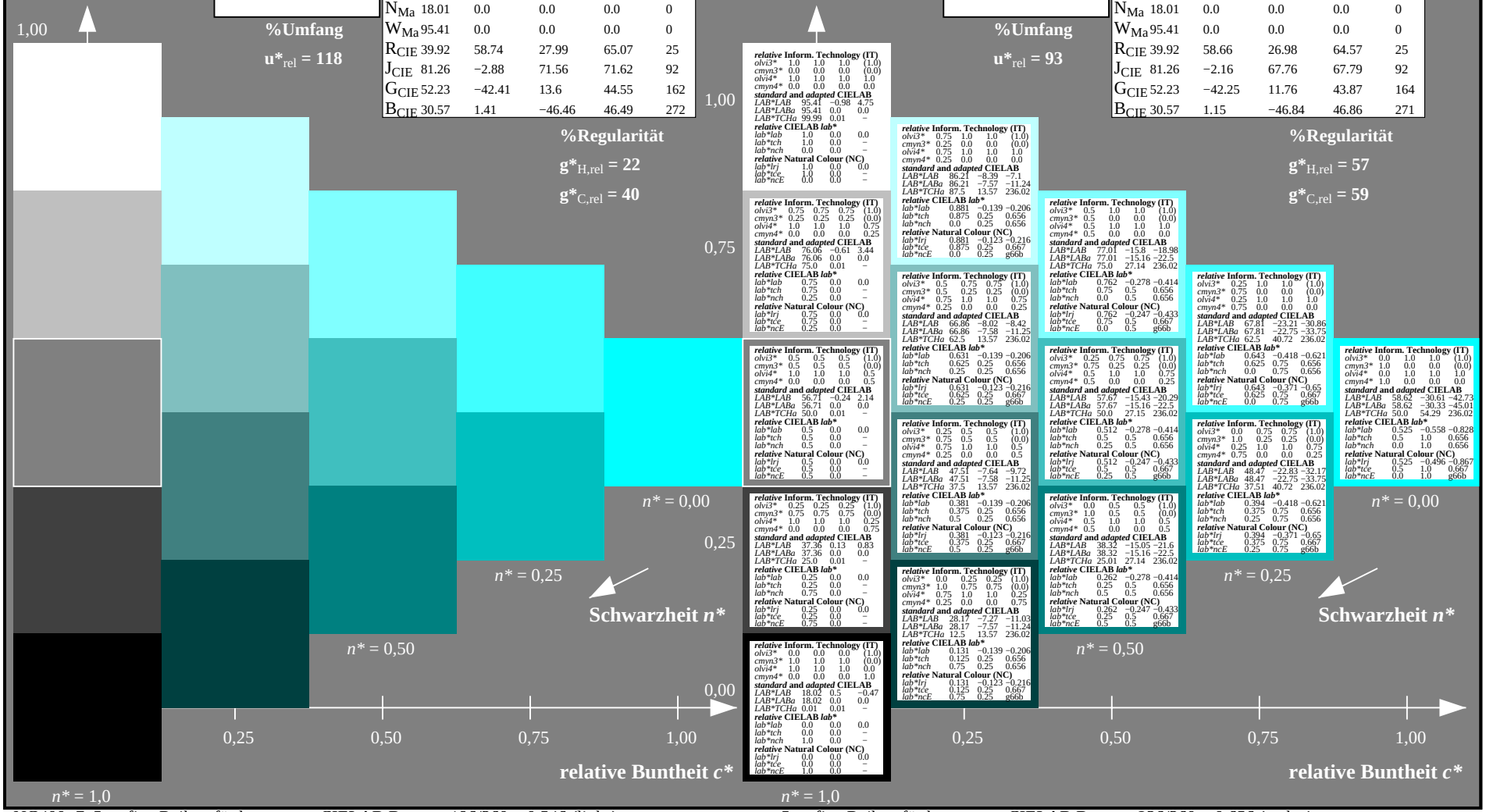
Dreiecks-Helligkeit



%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



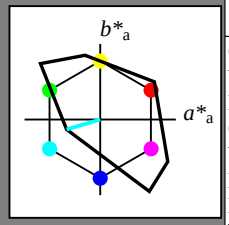
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 196/360 = 0.546*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

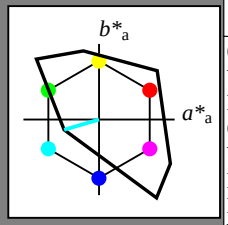
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: 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

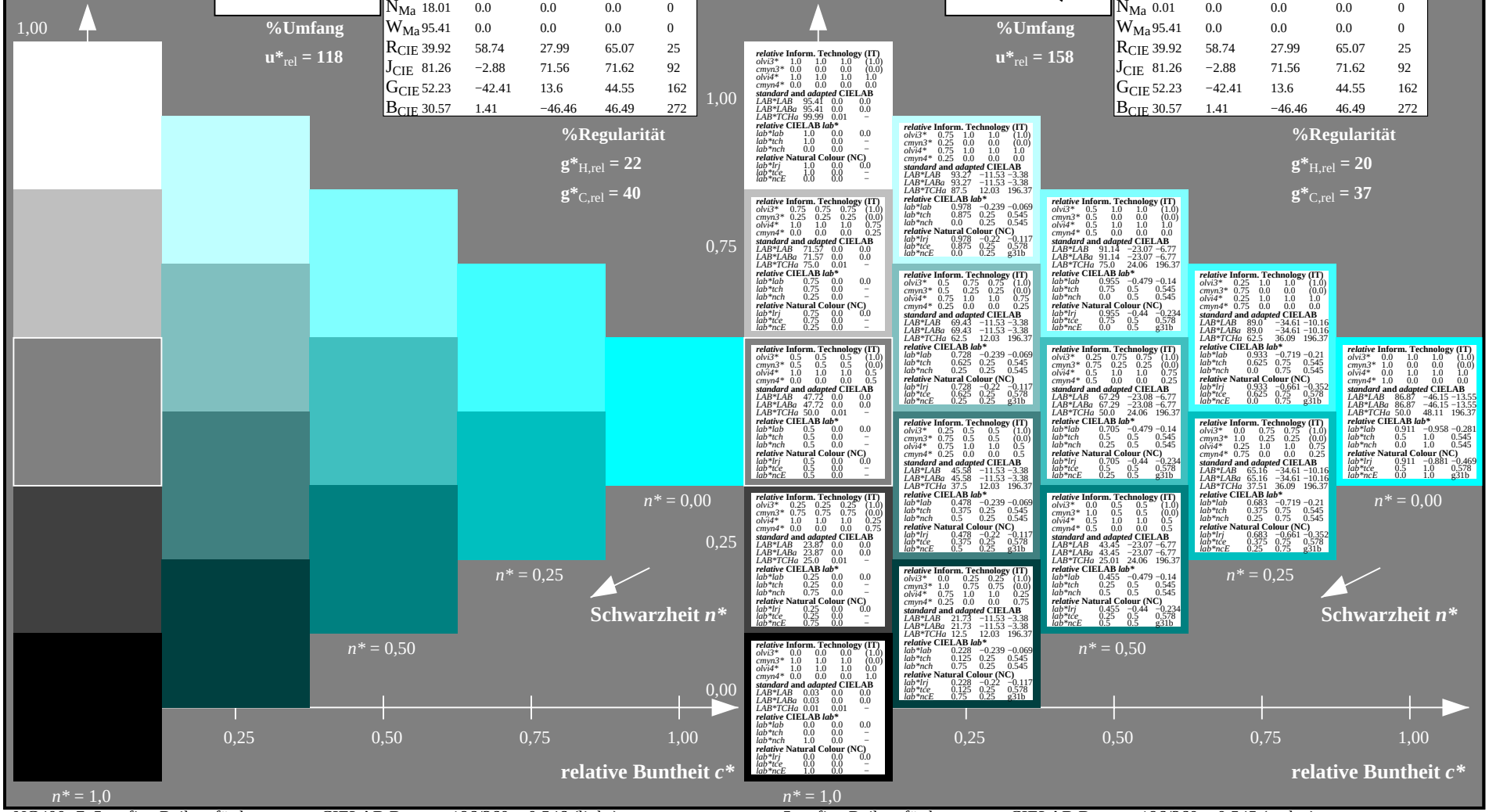


%Umfang
u^*_{rel} = 158

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



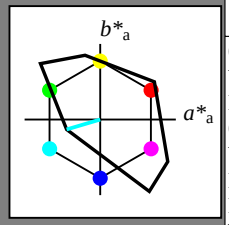
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

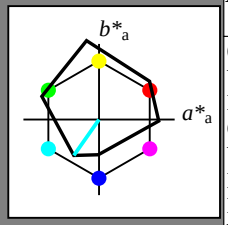
%Regularität
g*H,rel = 22
g*C,rel = 40

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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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**

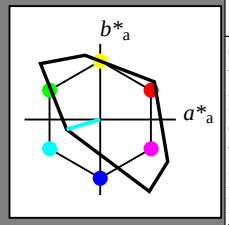
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 196/360 = 0.546*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

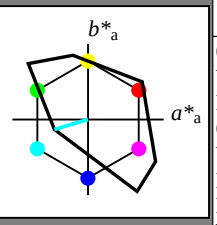
%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 196/360 = 0.546*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

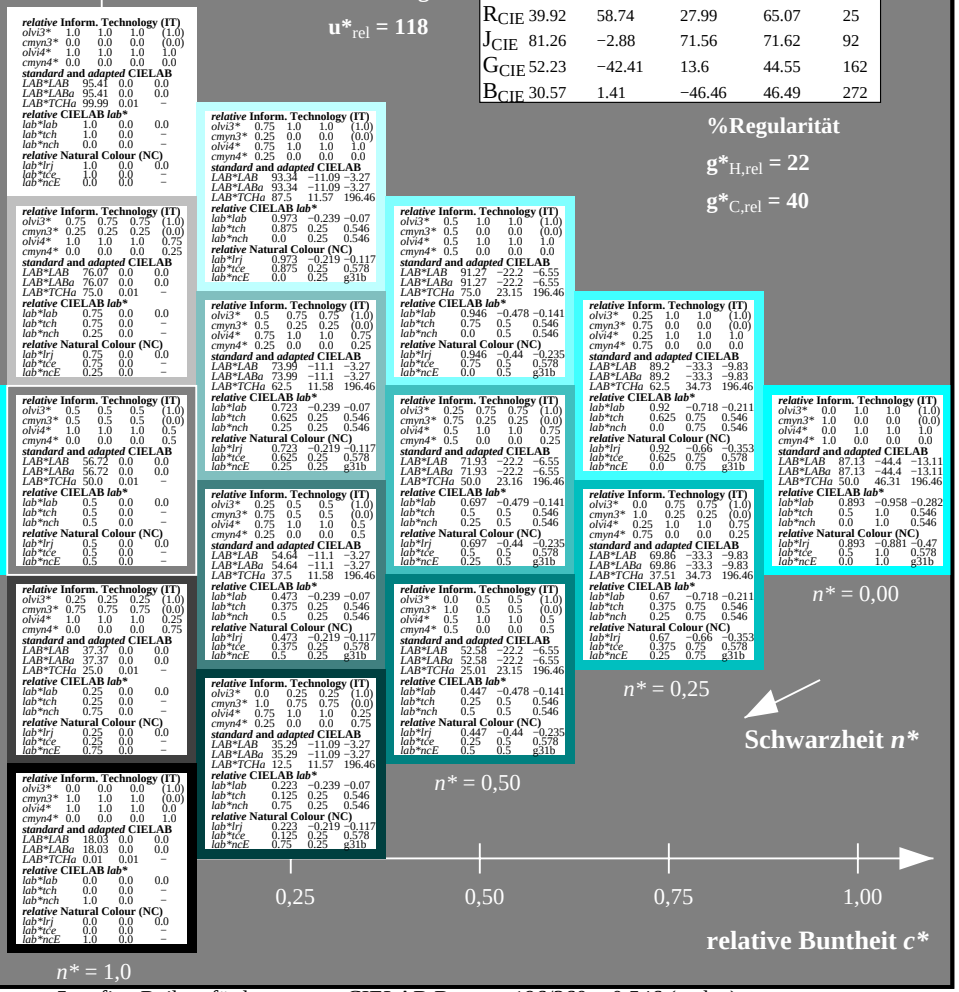


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



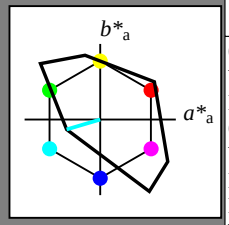
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 196/360 = 0.546*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

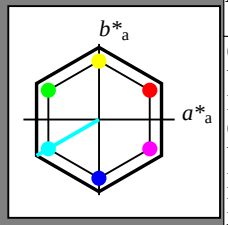
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

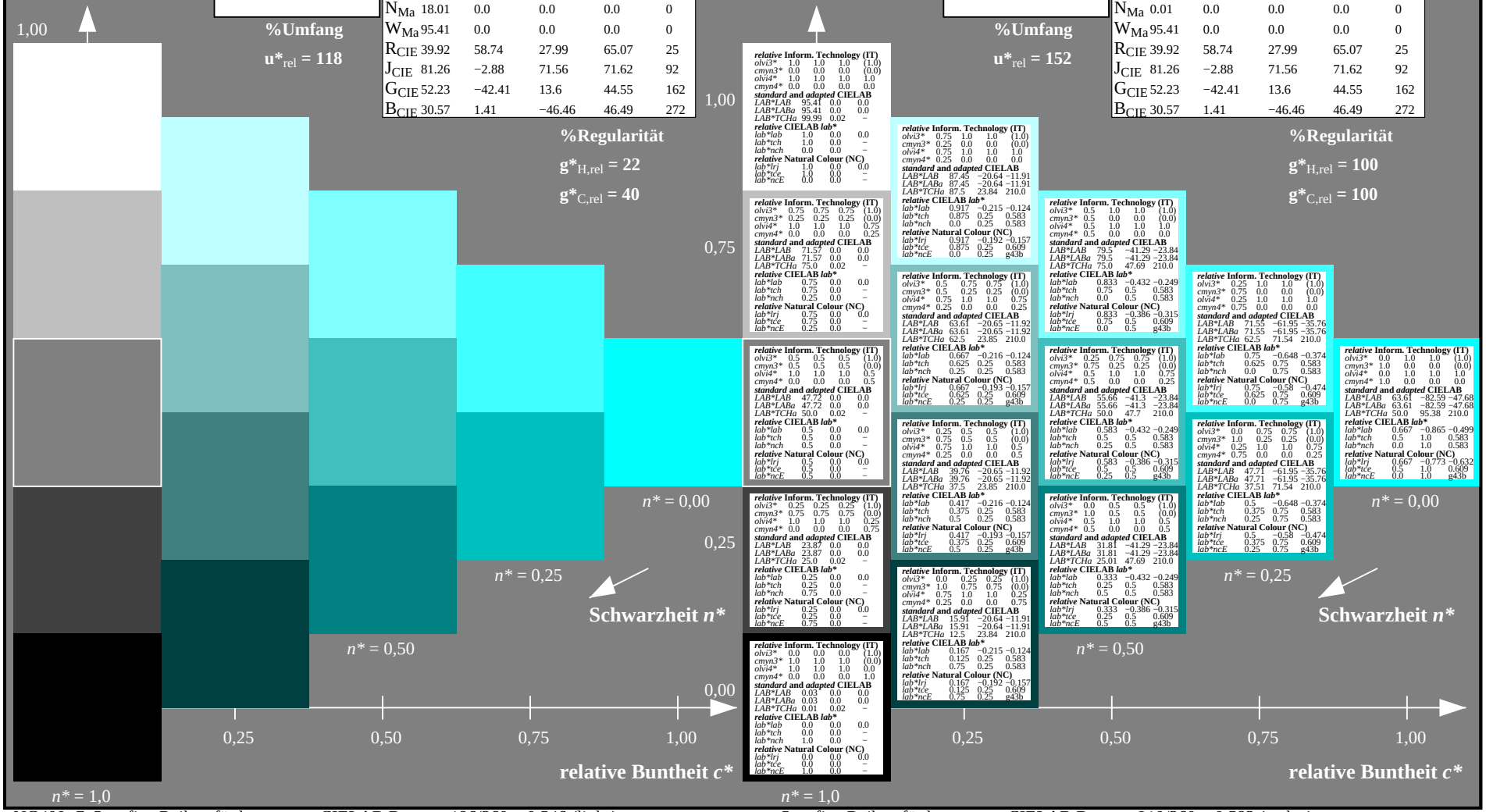
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



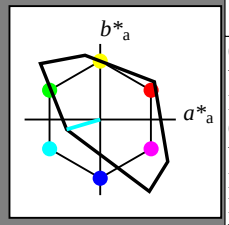
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

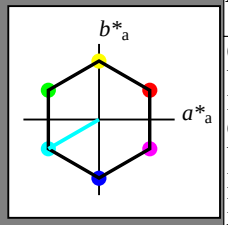
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

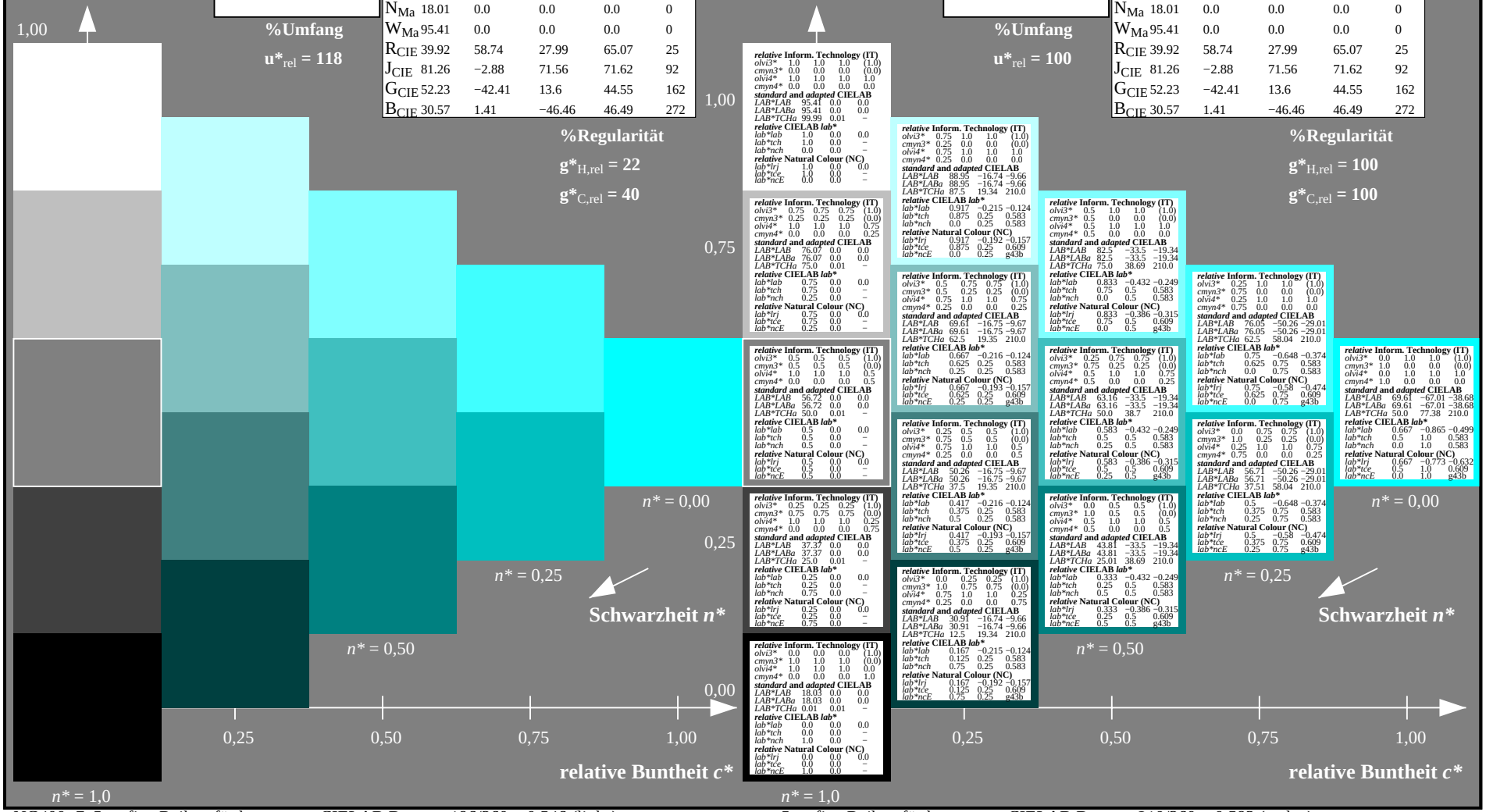
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



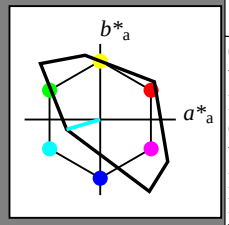
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

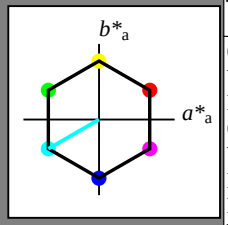
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

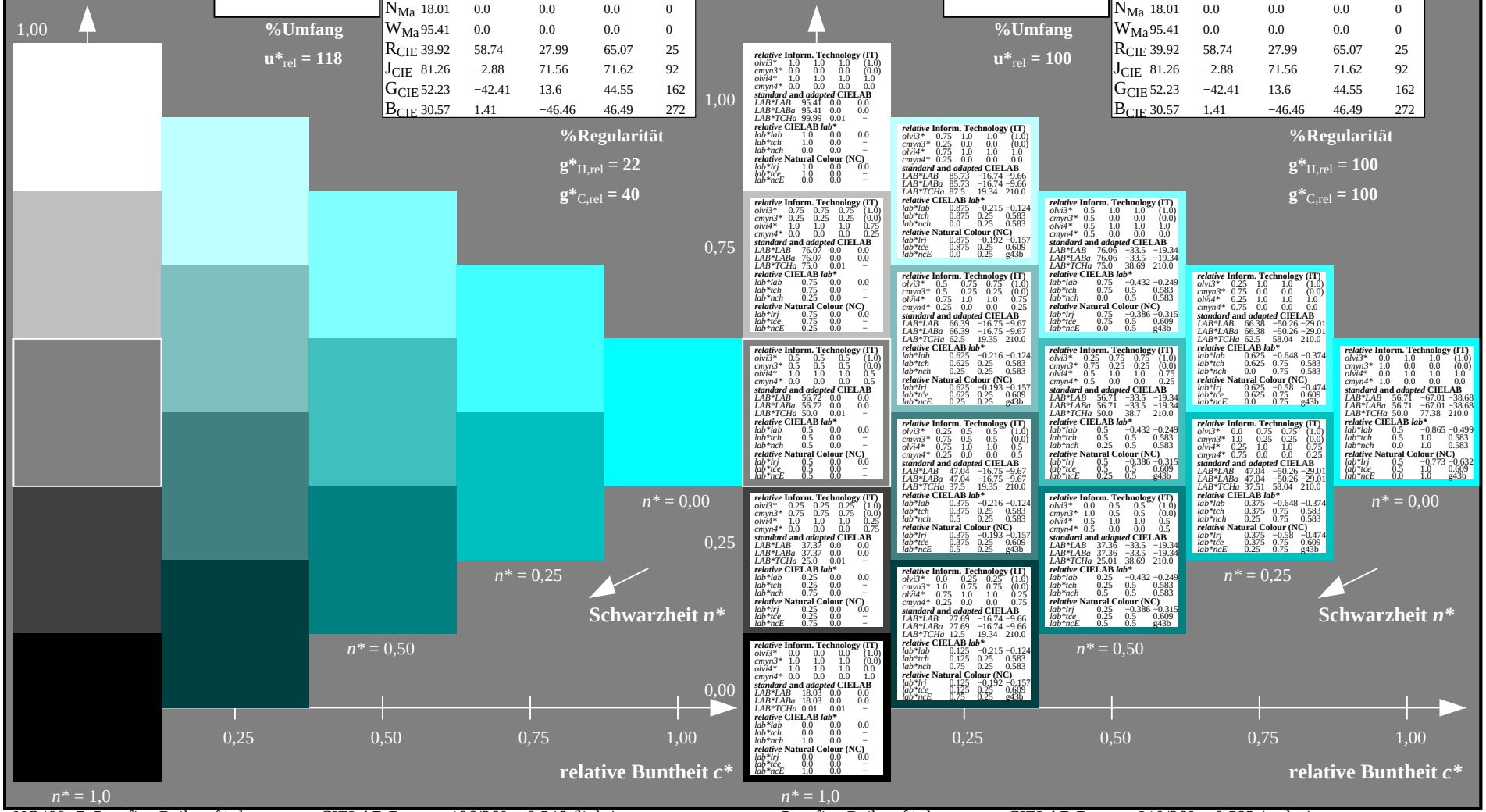
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



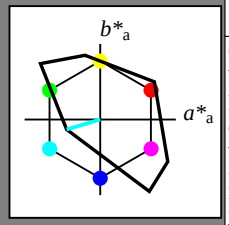
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

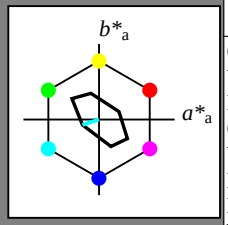
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55**
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

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**

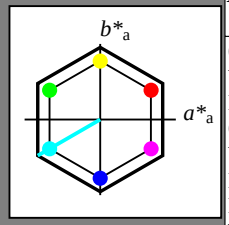
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

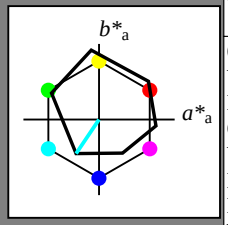
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

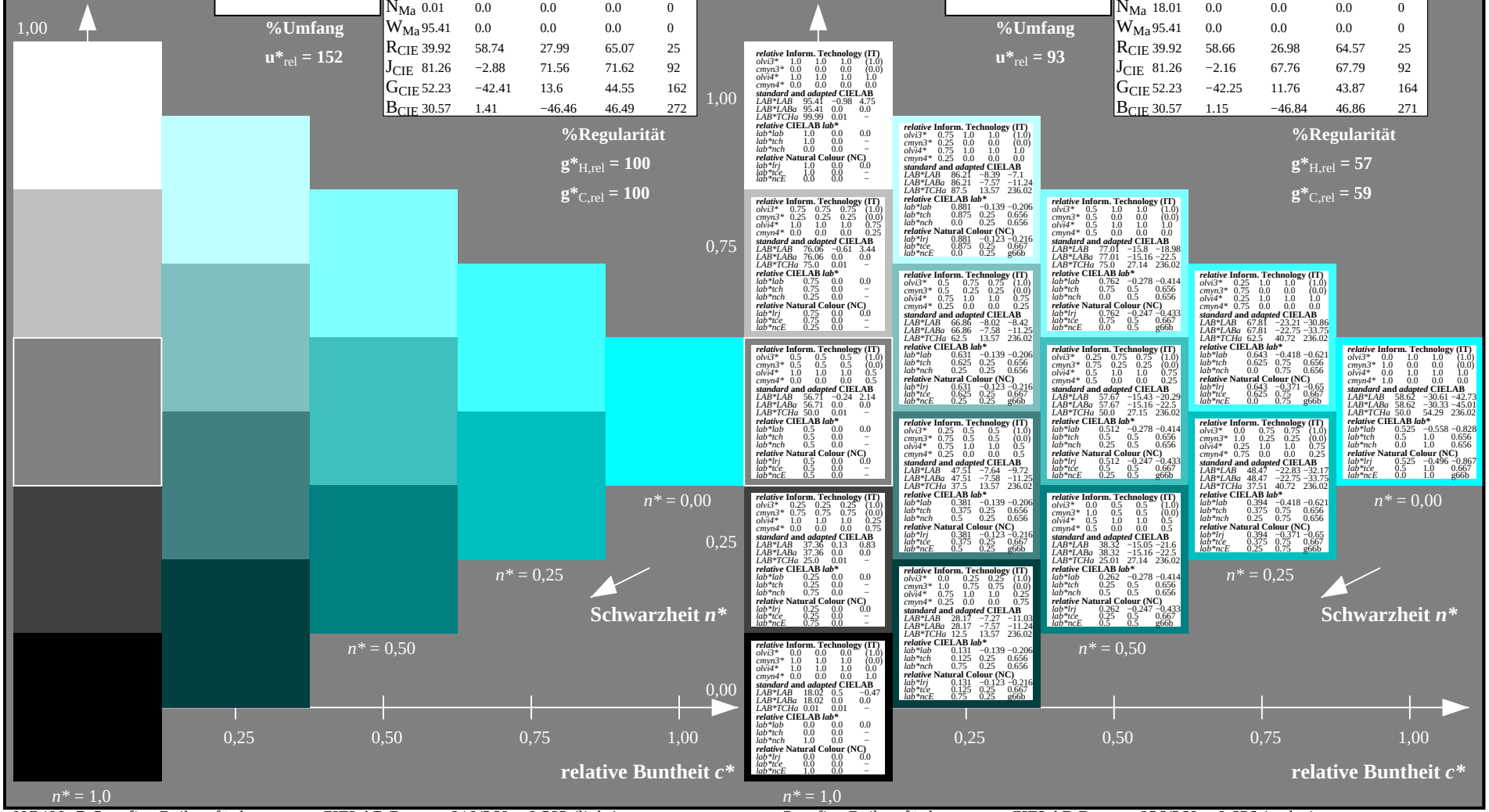
Dreiecks-Helligkeit



%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



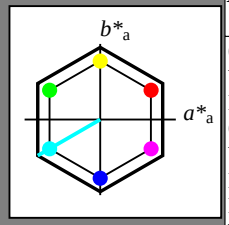
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

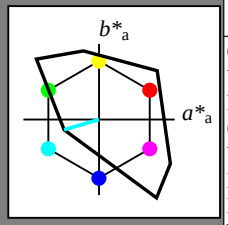
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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



%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^*

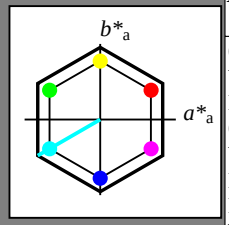
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

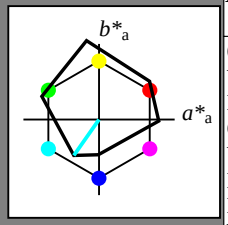
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

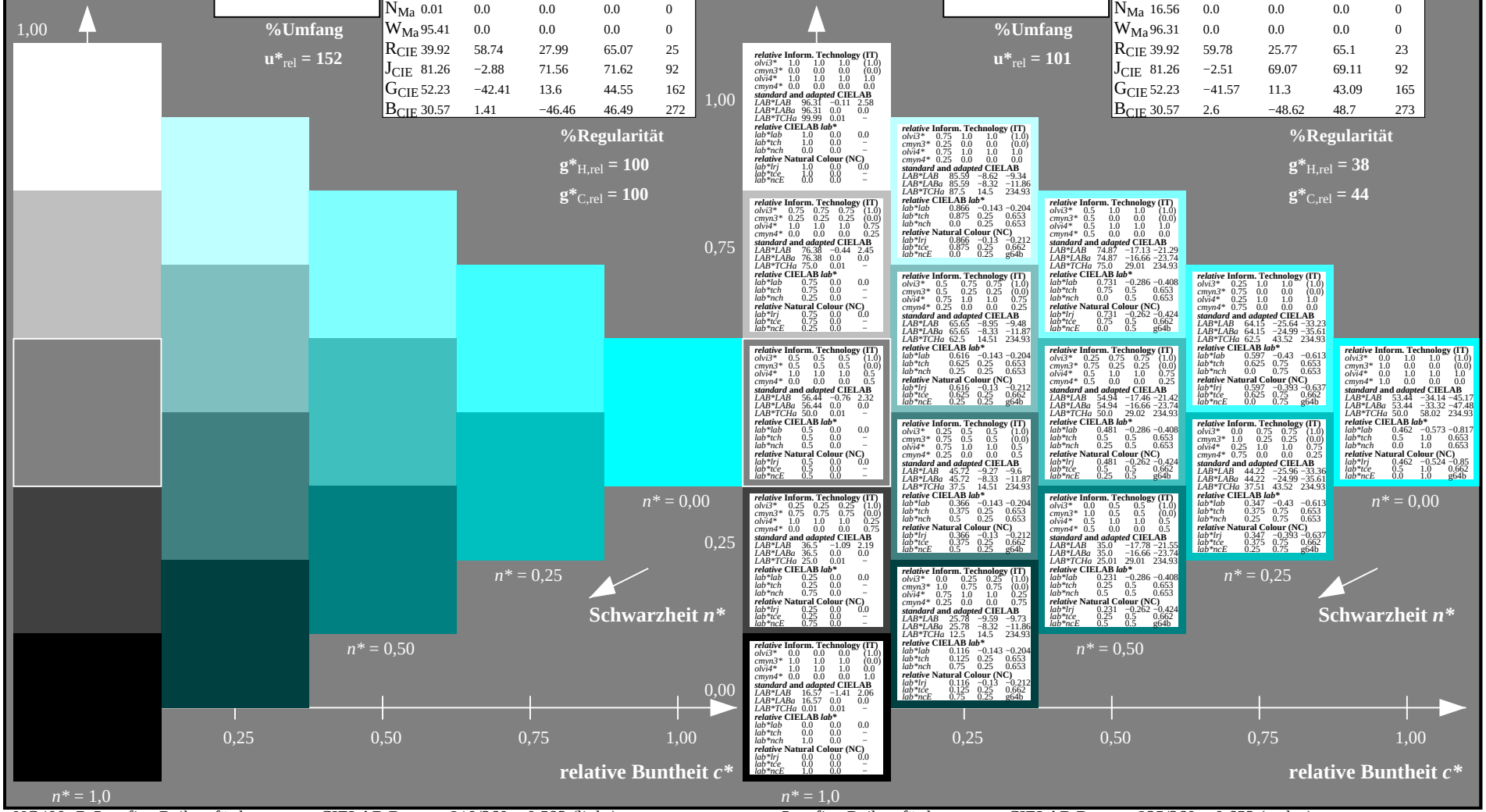


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



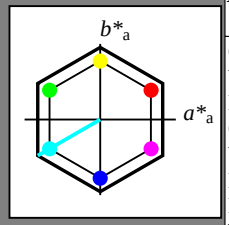
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

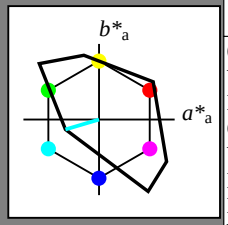
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

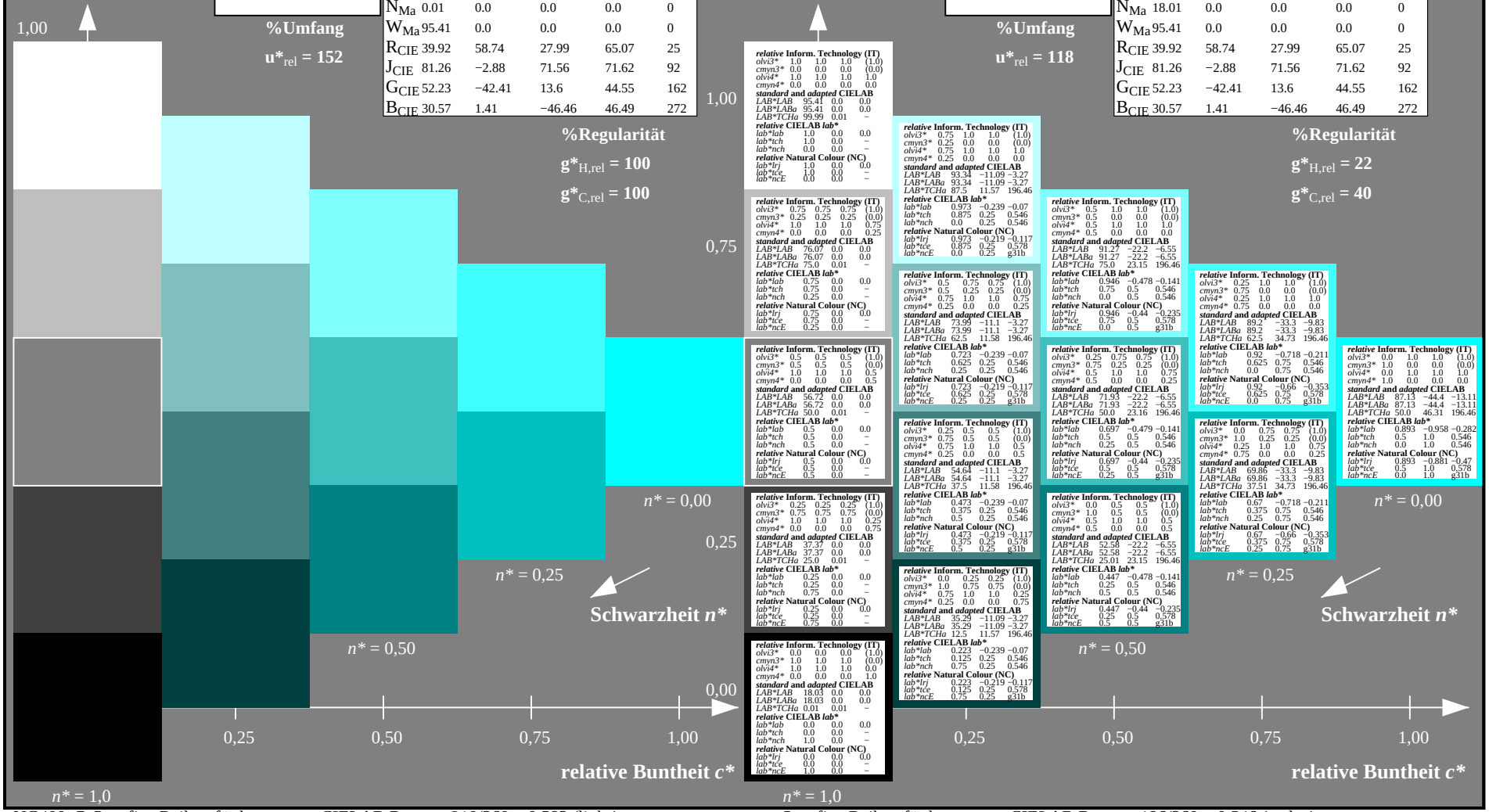
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



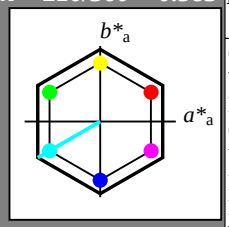
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

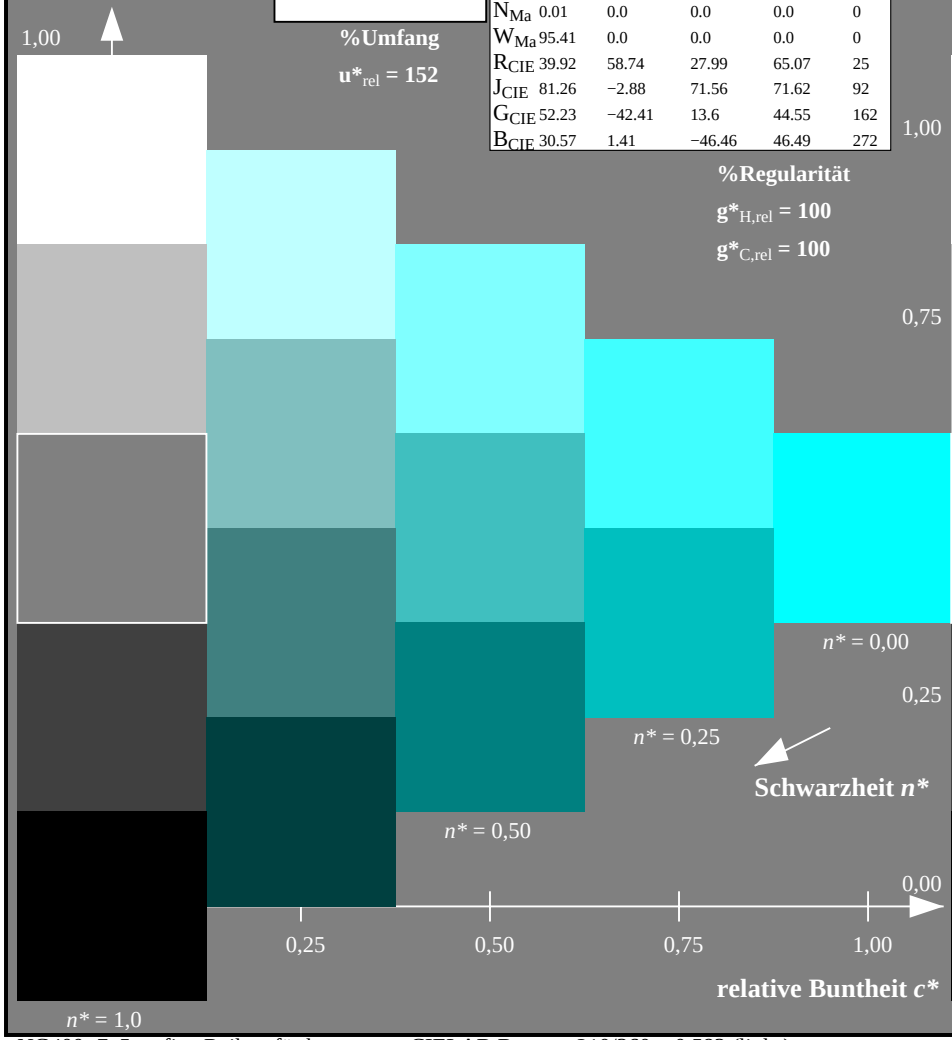
Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

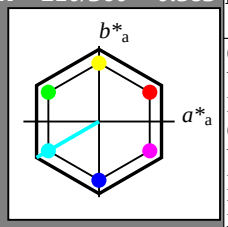


%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

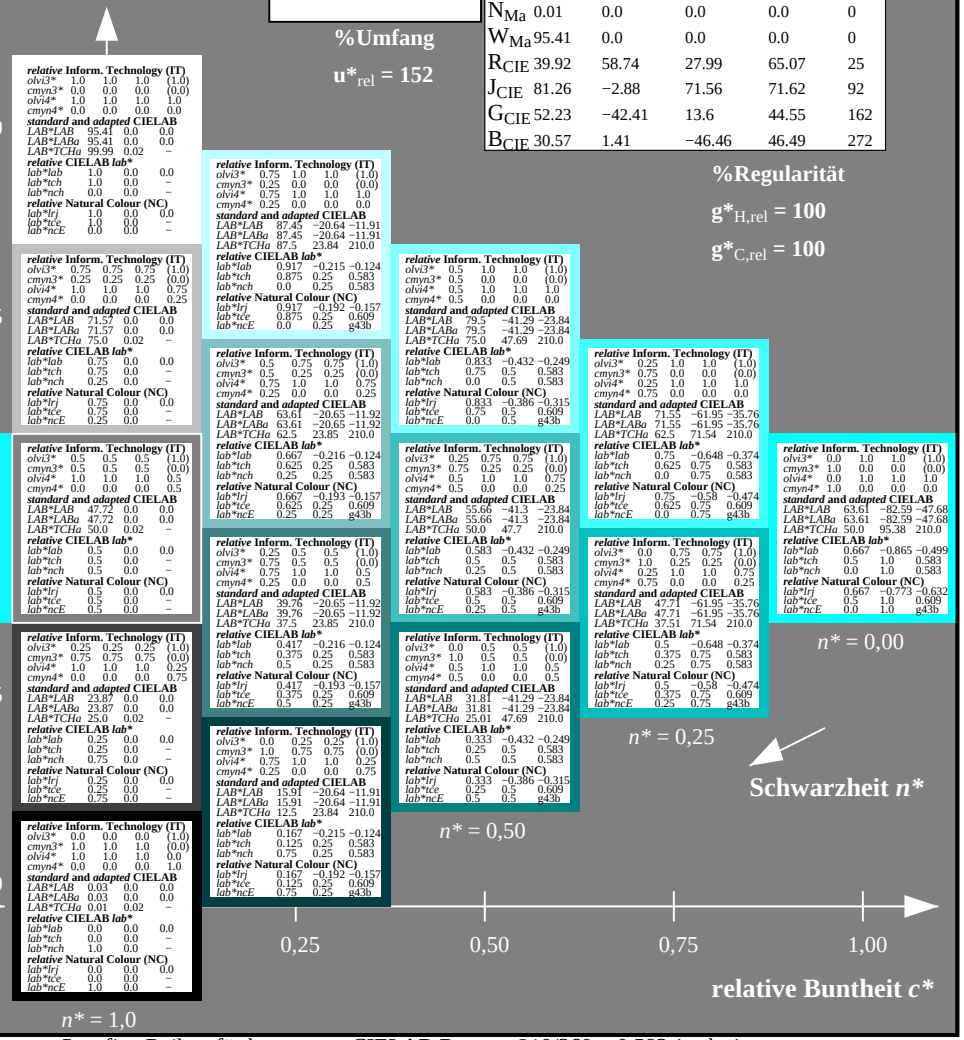
Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



%Regularität
g*H,rel = 100
g*C,rel = 100

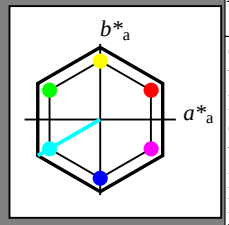
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

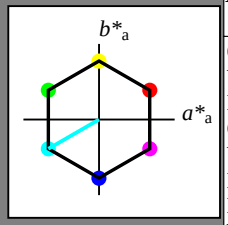
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

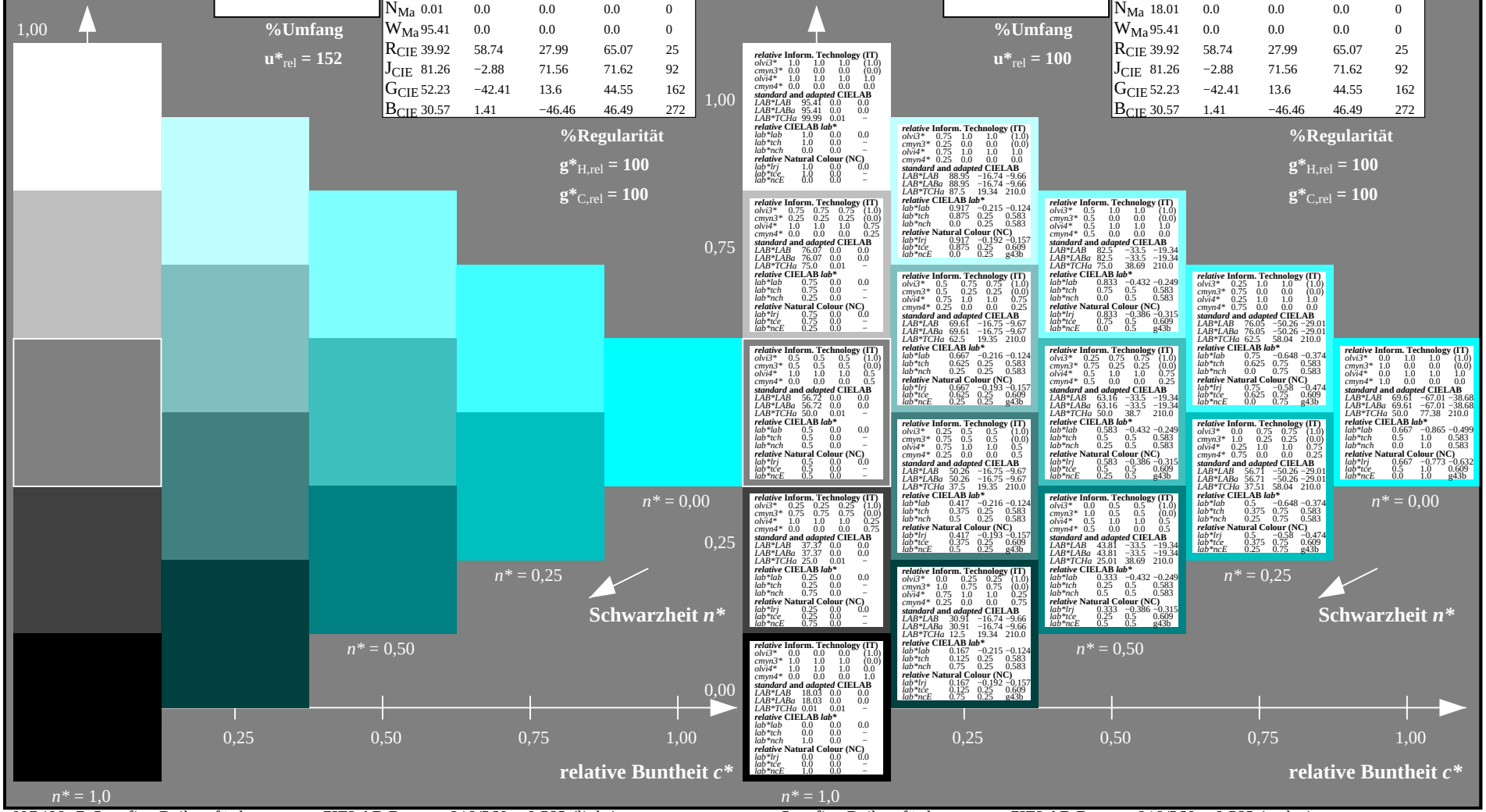
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



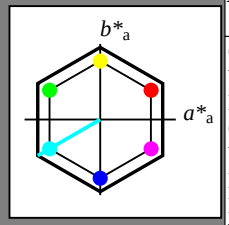
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

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

Schwarzheit *n**

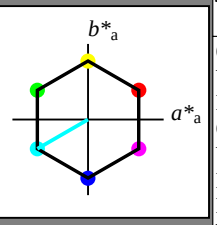
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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**

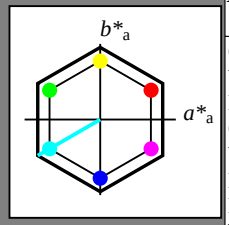
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

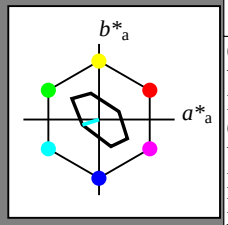
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55**
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

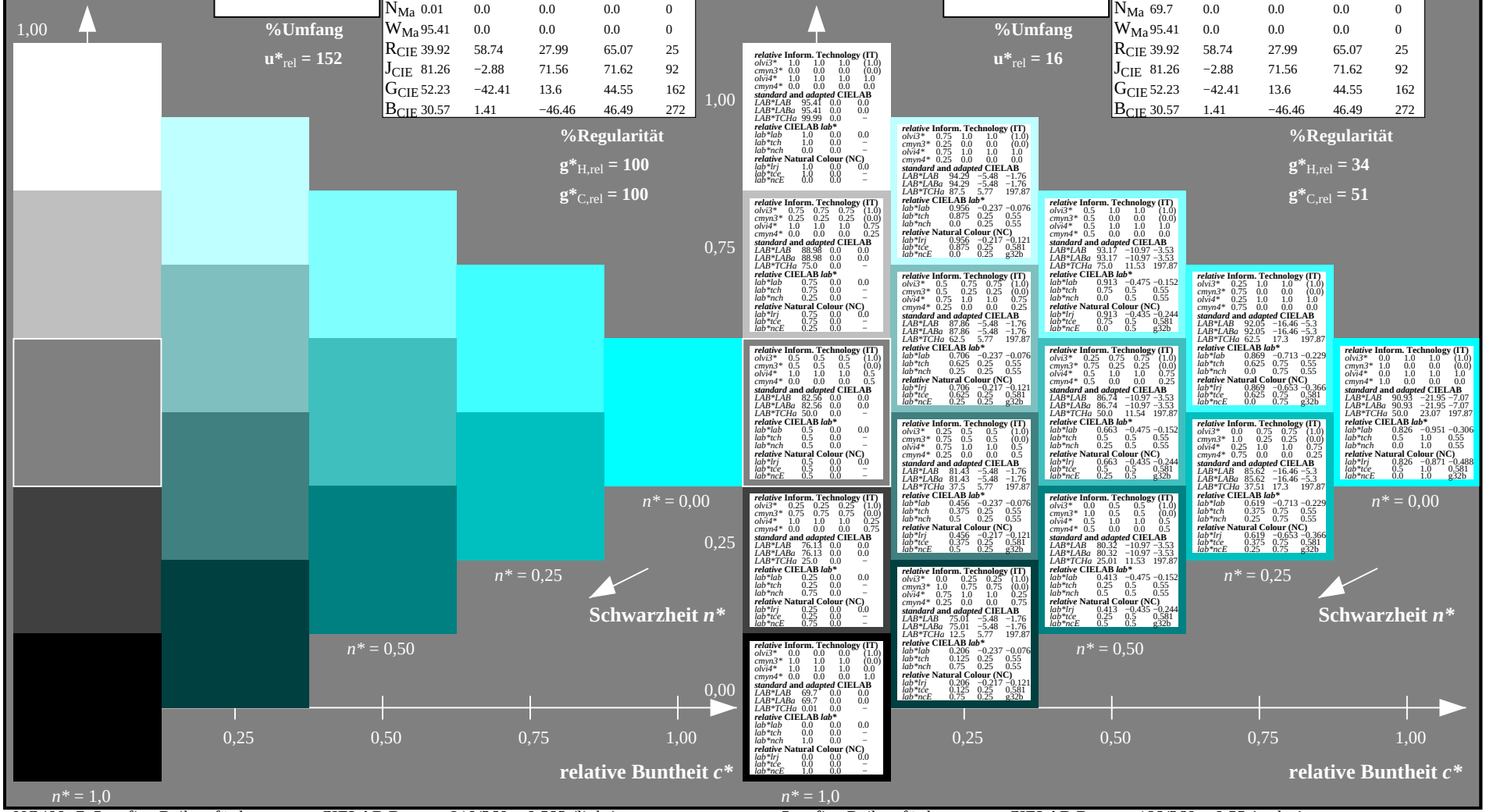


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



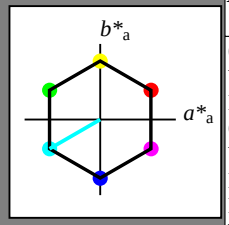
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

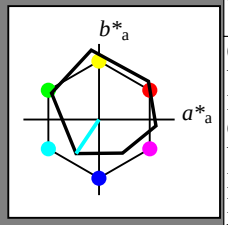
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

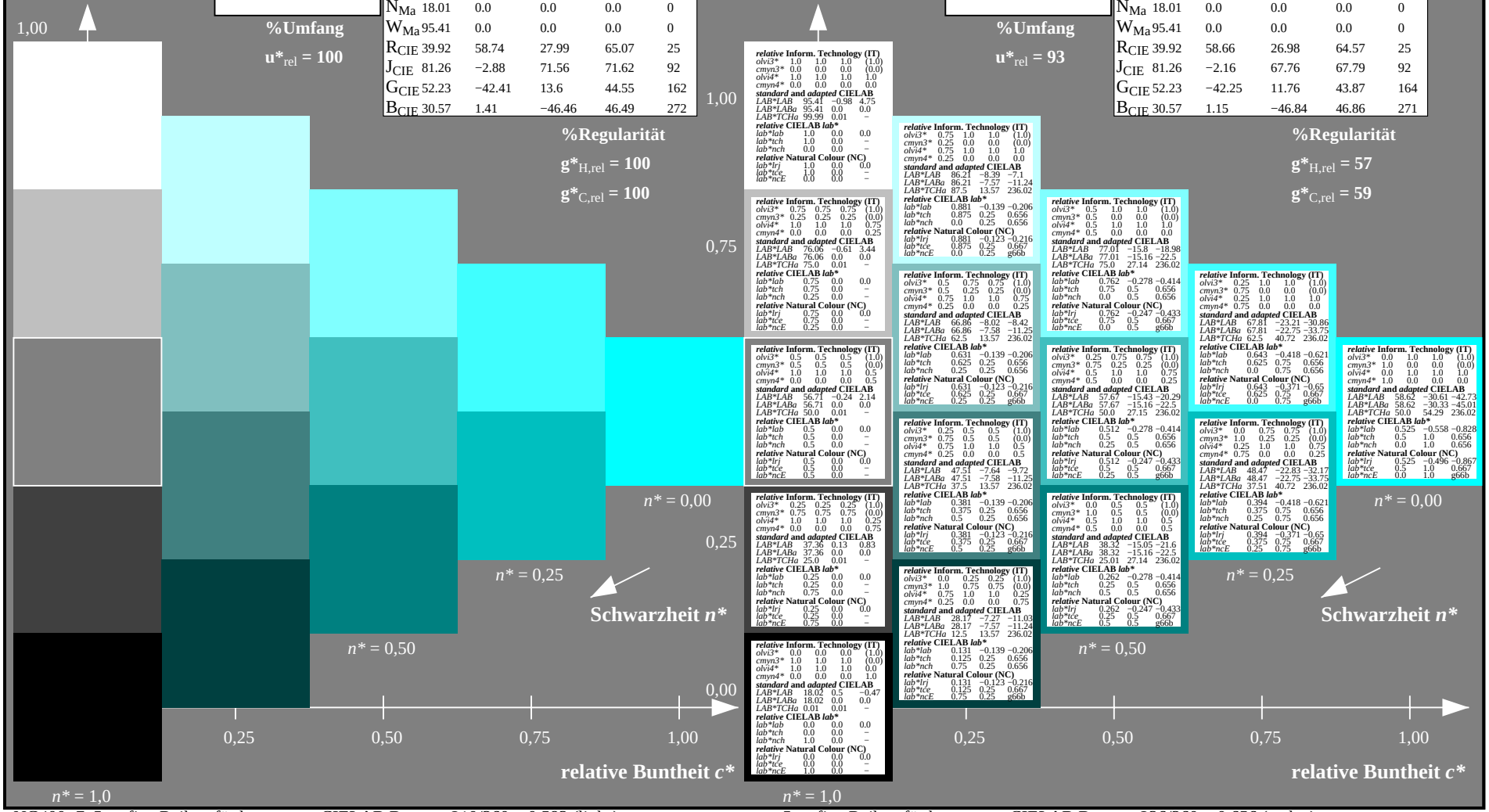
Dreiecks-Helligkeit



%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



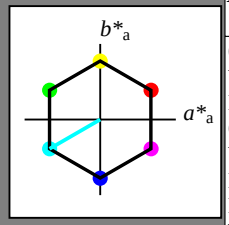
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

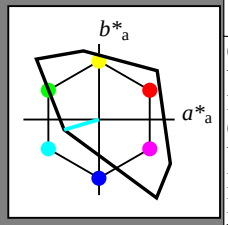
%Regularität
g*H,rel = 100
g*C,rel = 100

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 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



%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**

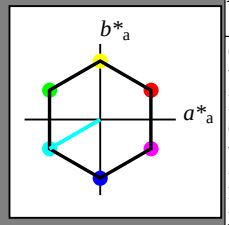
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

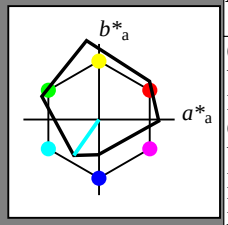
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

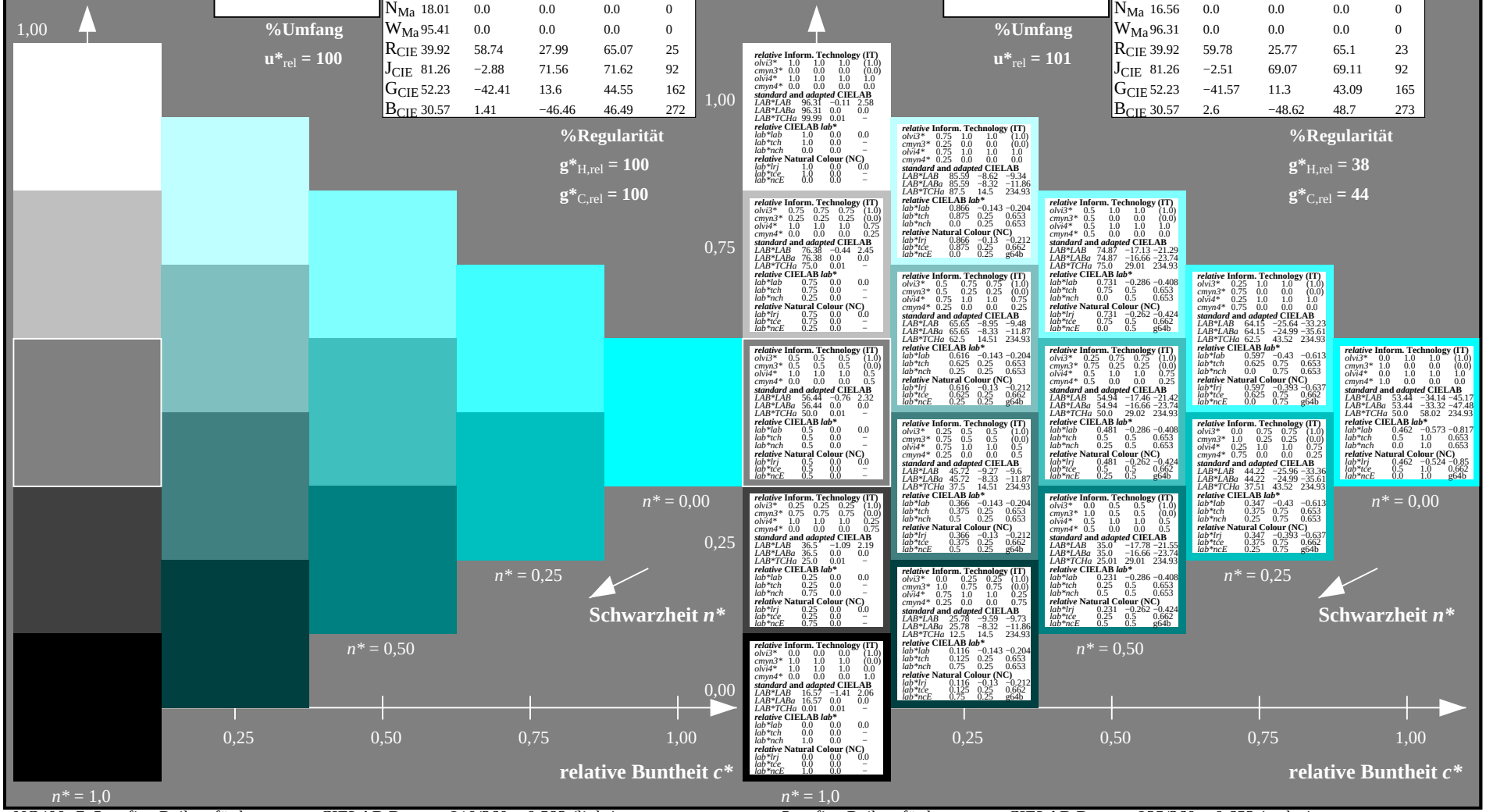


%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44



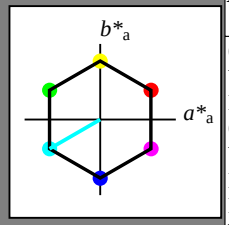
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

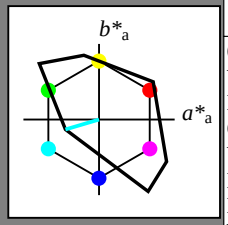
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

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**

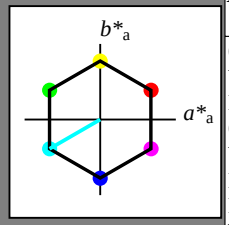
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

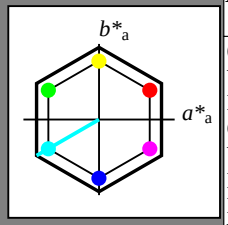
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

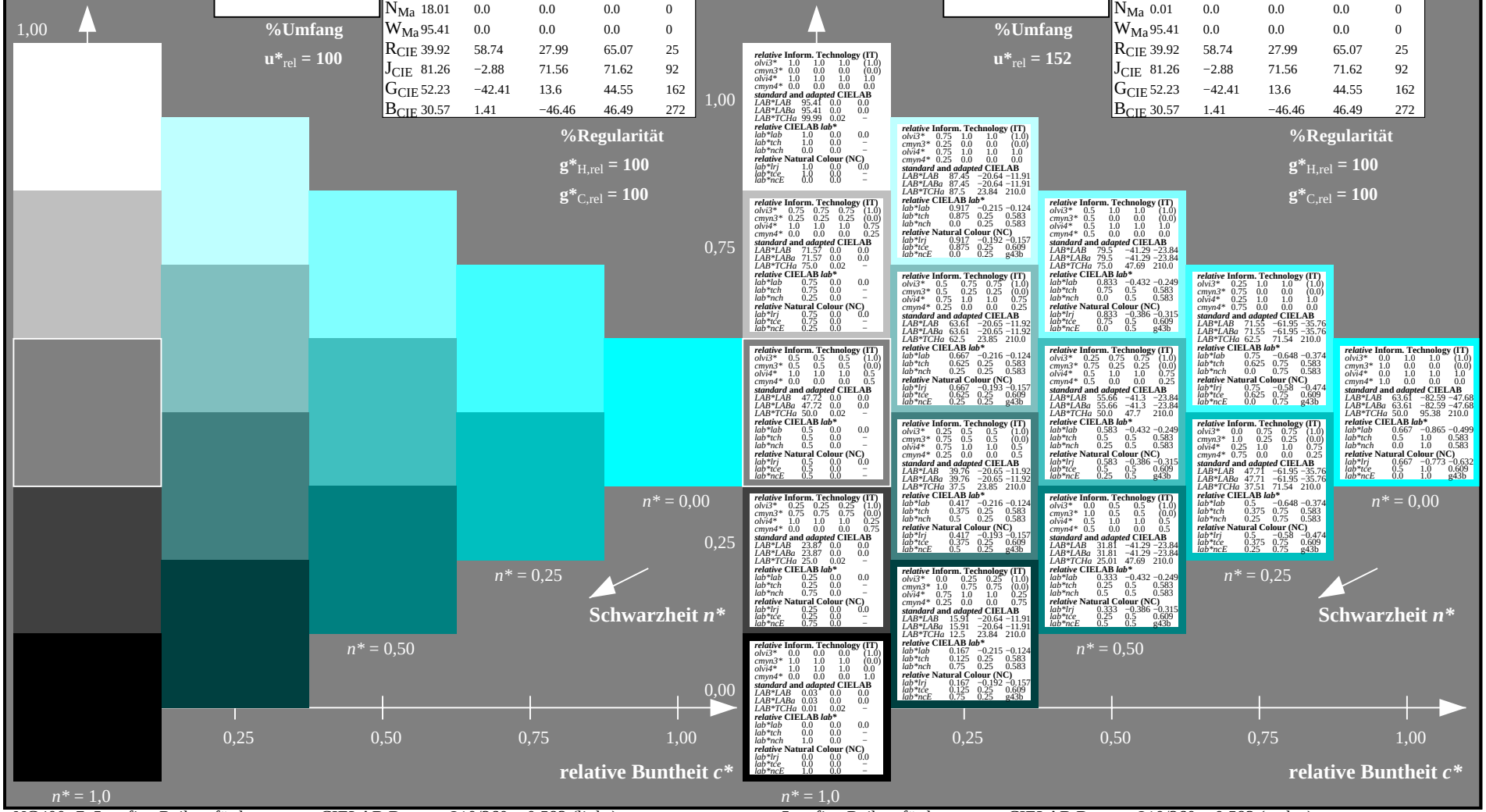


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



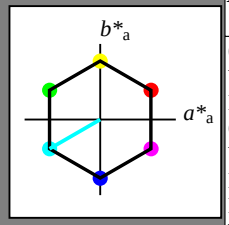
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

Schwarzheit *n**

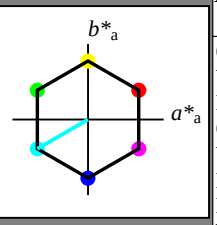
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

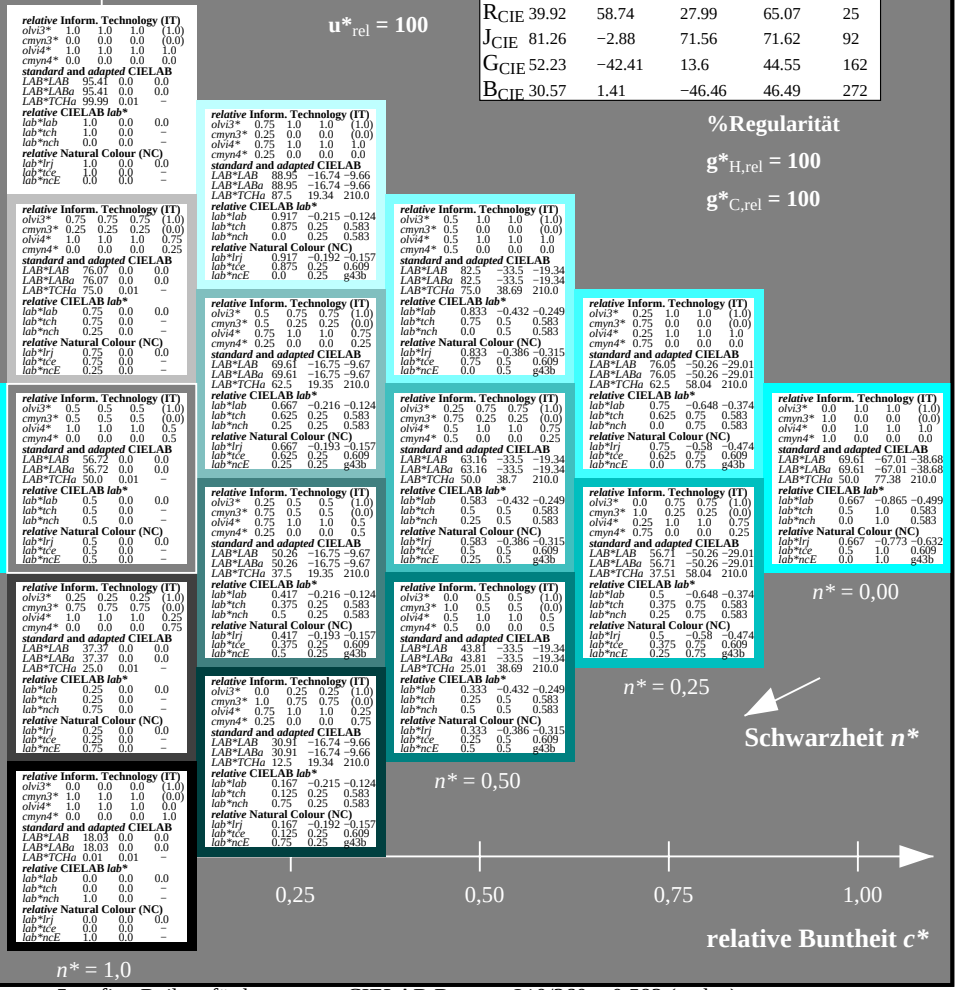
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100



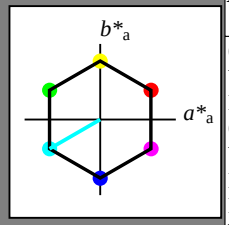
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

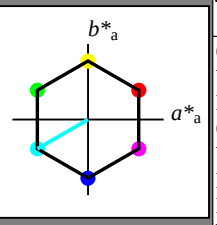
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

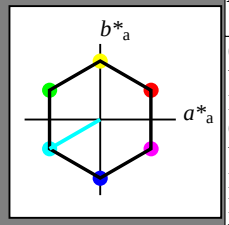
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18

für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0



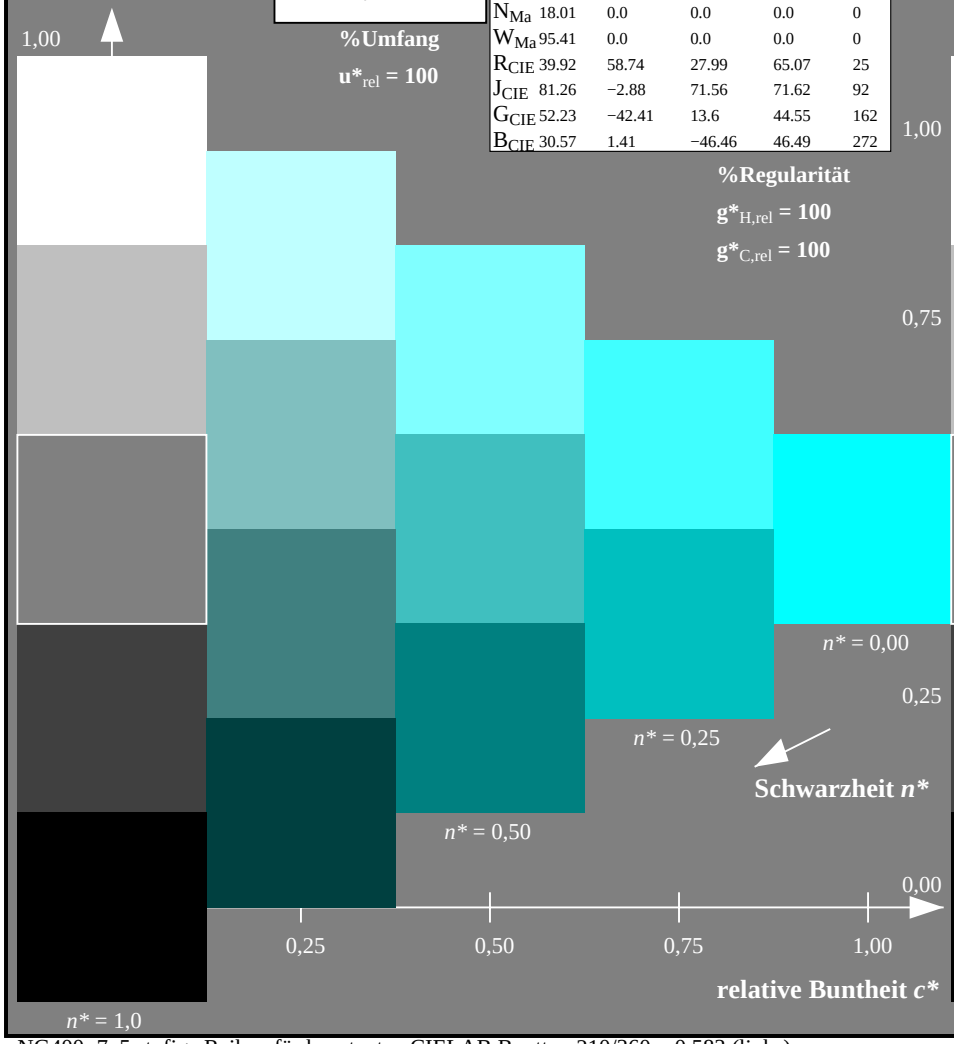
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Dreiecks-Helligkeit

%Umfang
u^*_{rel} = 100

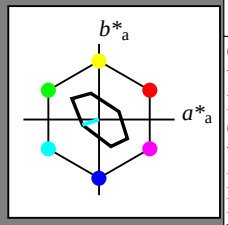
%Regularität
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100



Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0



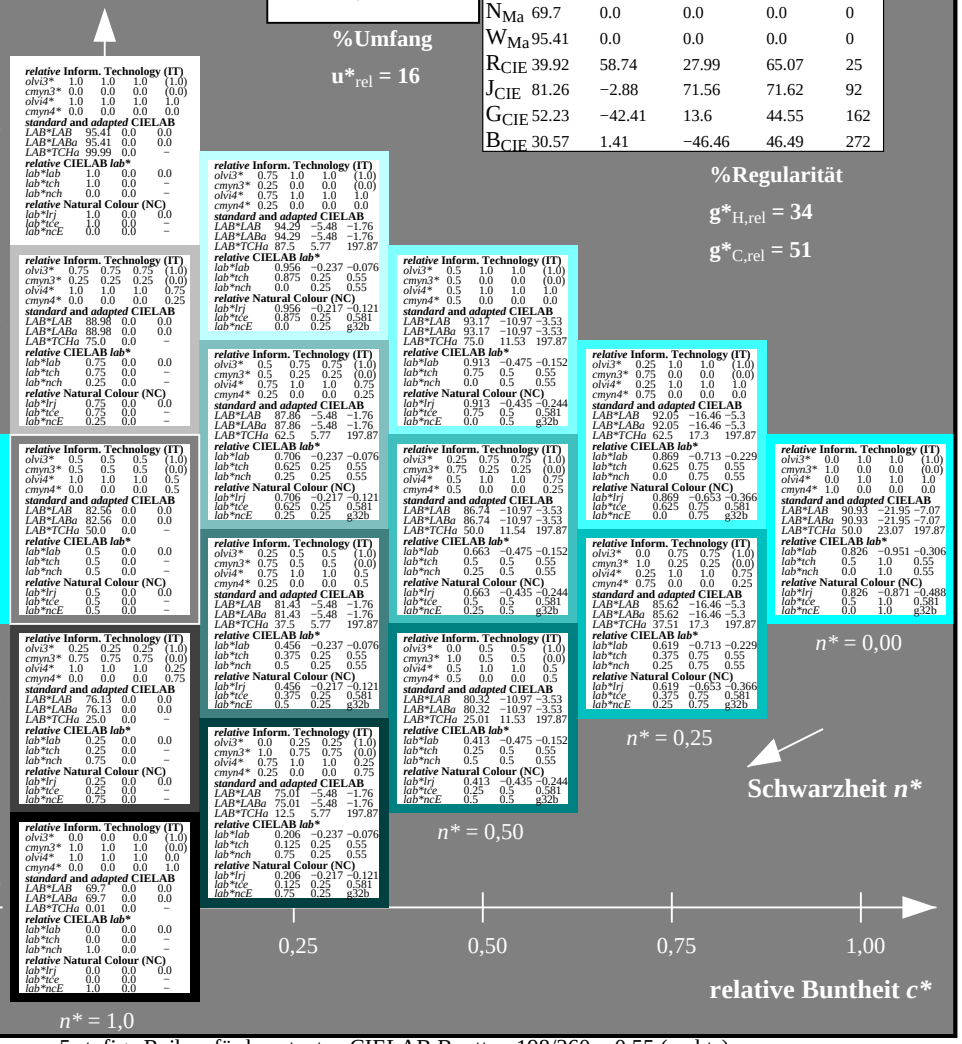
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Dreiecks-Helligkeit

%Umfang
u^*_{rel} = 16

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



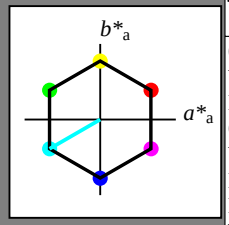
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

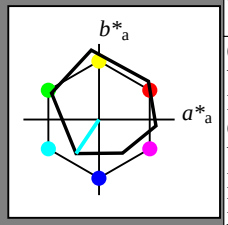
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

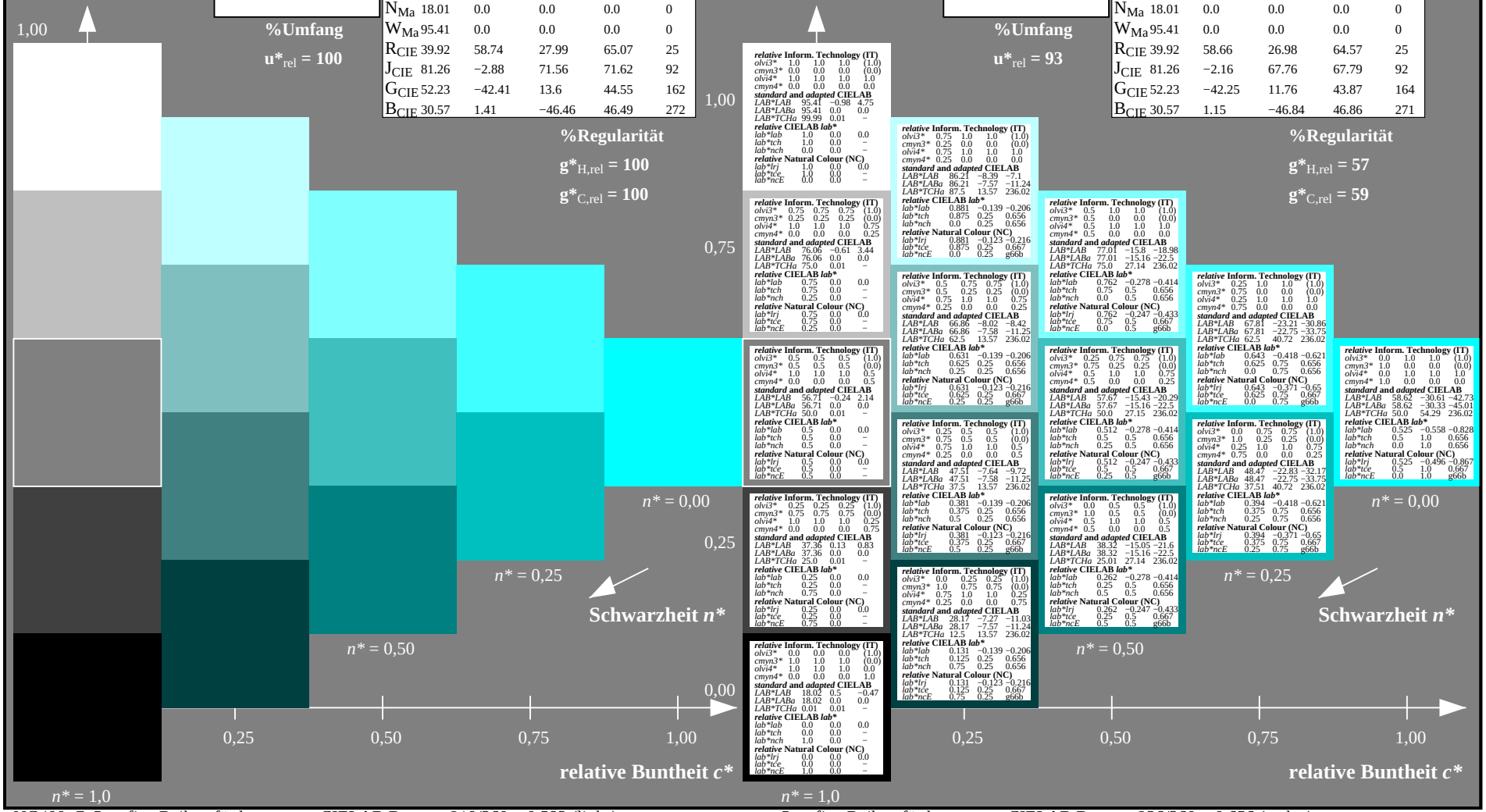
Dreiecks-Helligkeit



%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



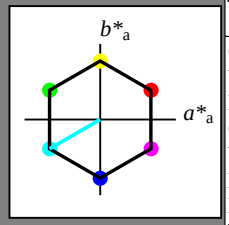
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

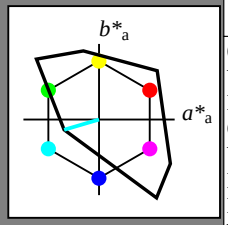
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: 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

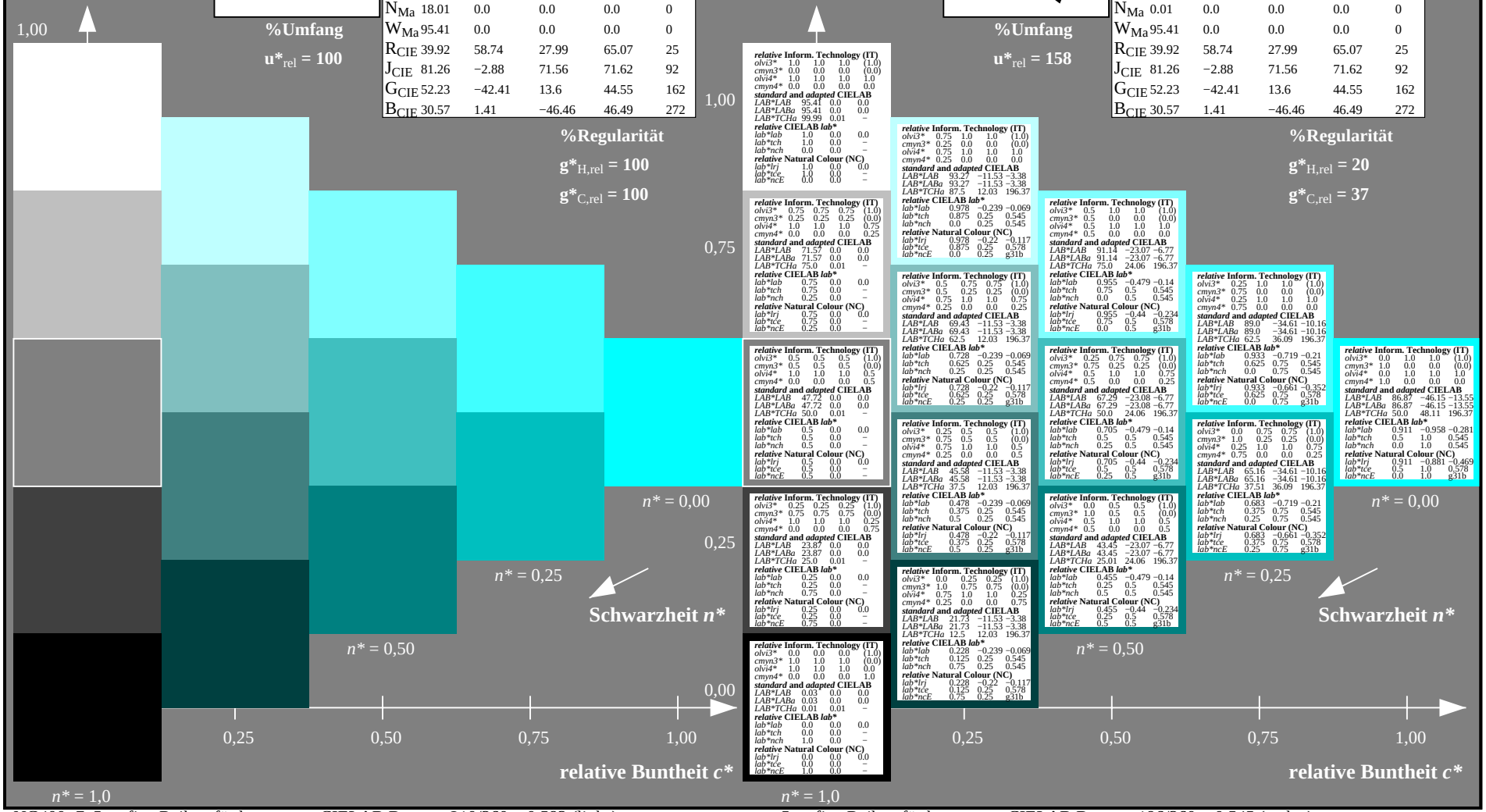


%Umfang
u*$_{rel}$ = 158

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



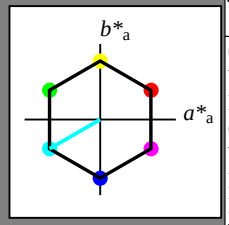
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

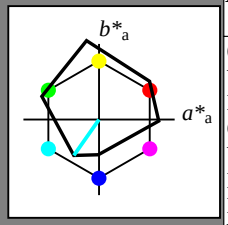
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

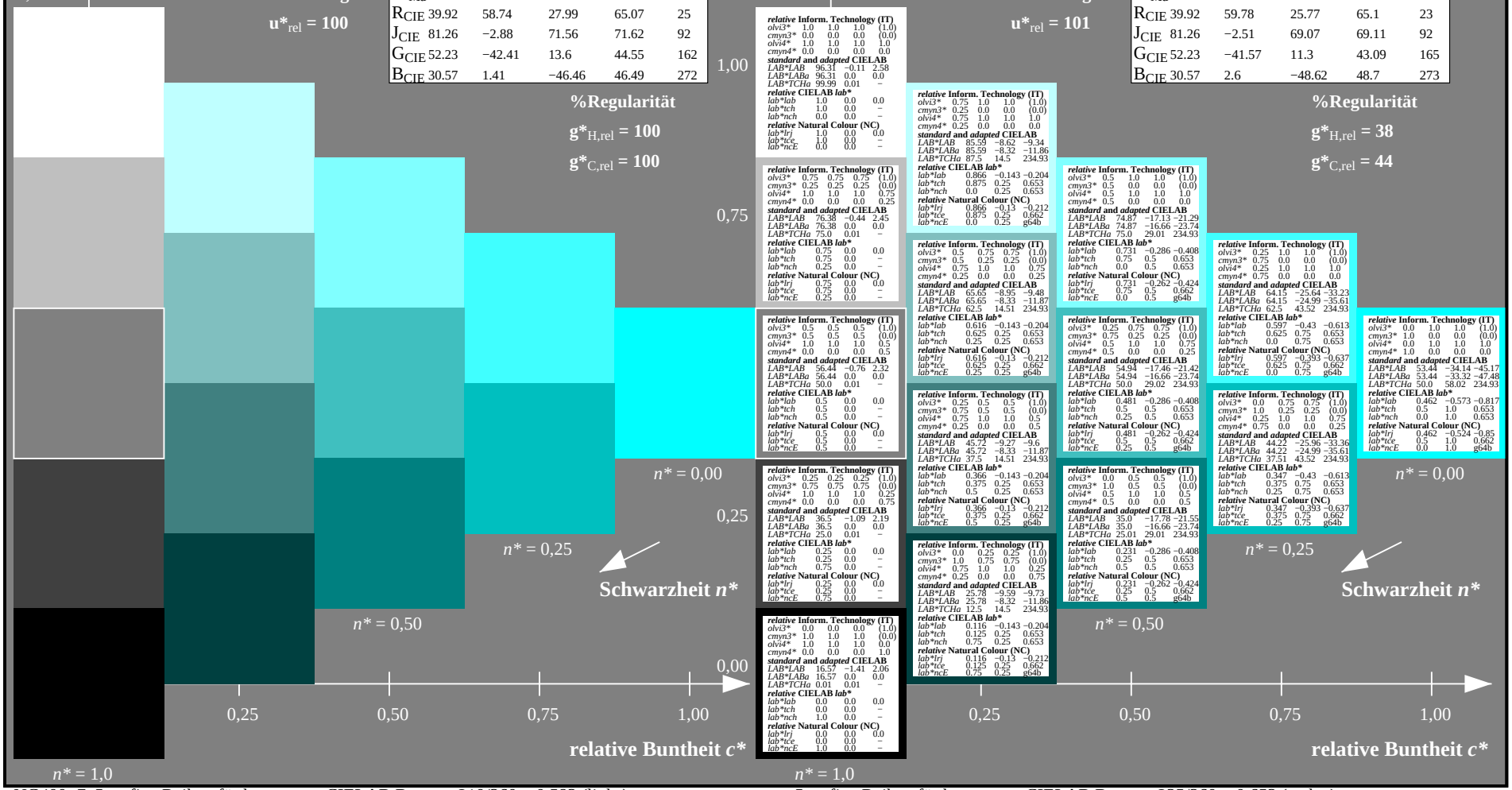


%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44



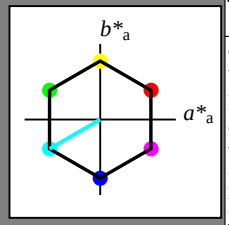
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

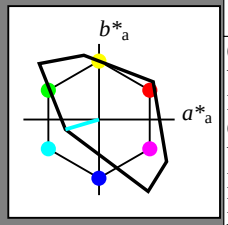
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

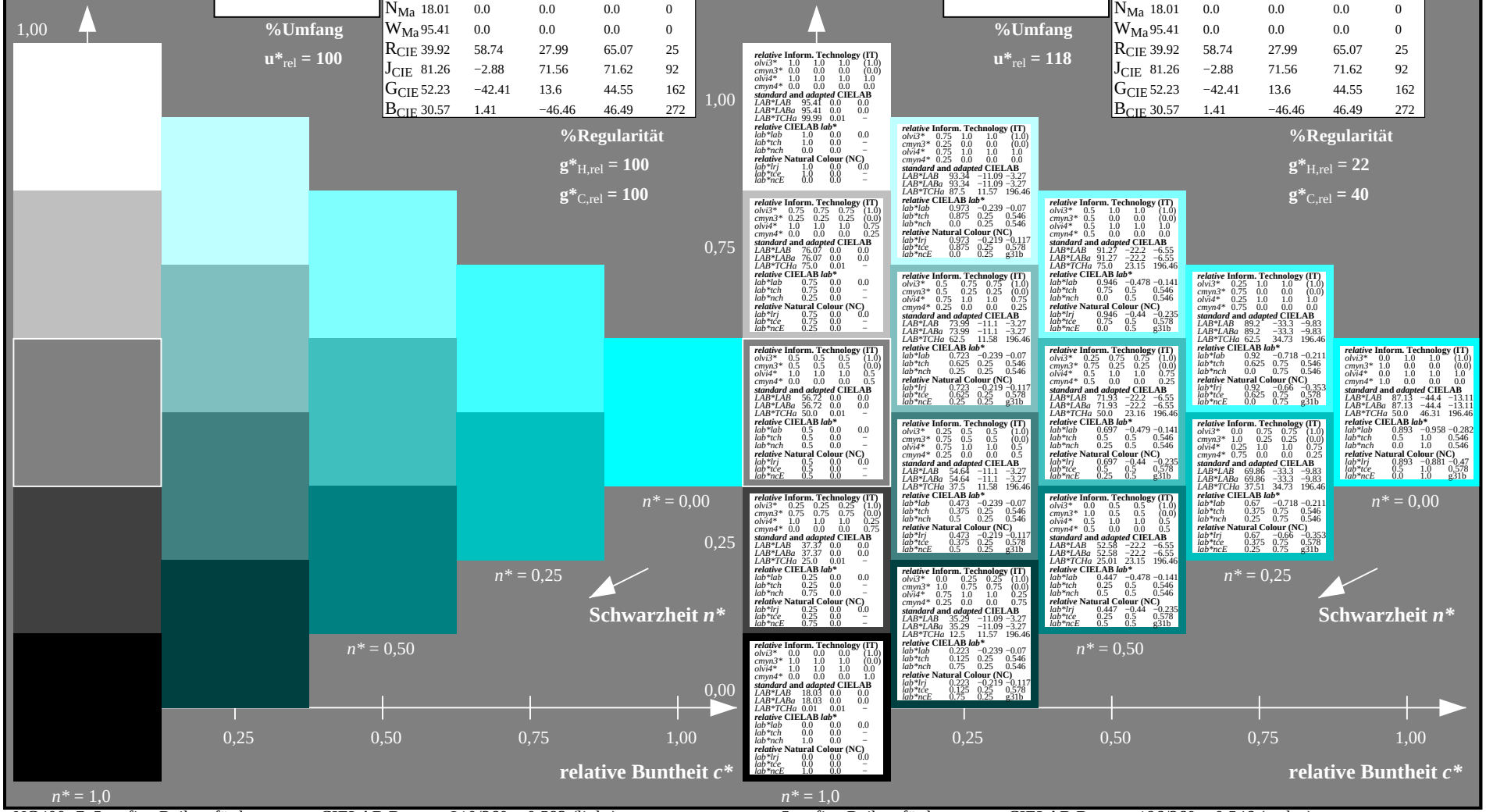


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



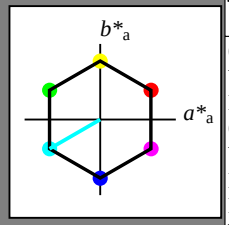
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

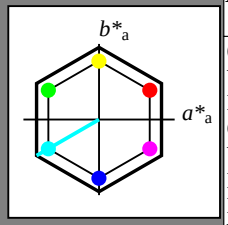
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

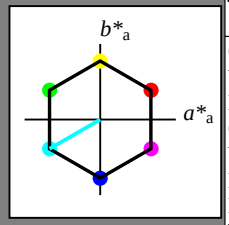
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

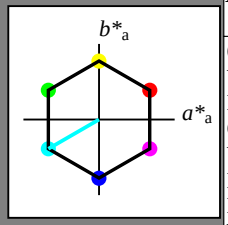
SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

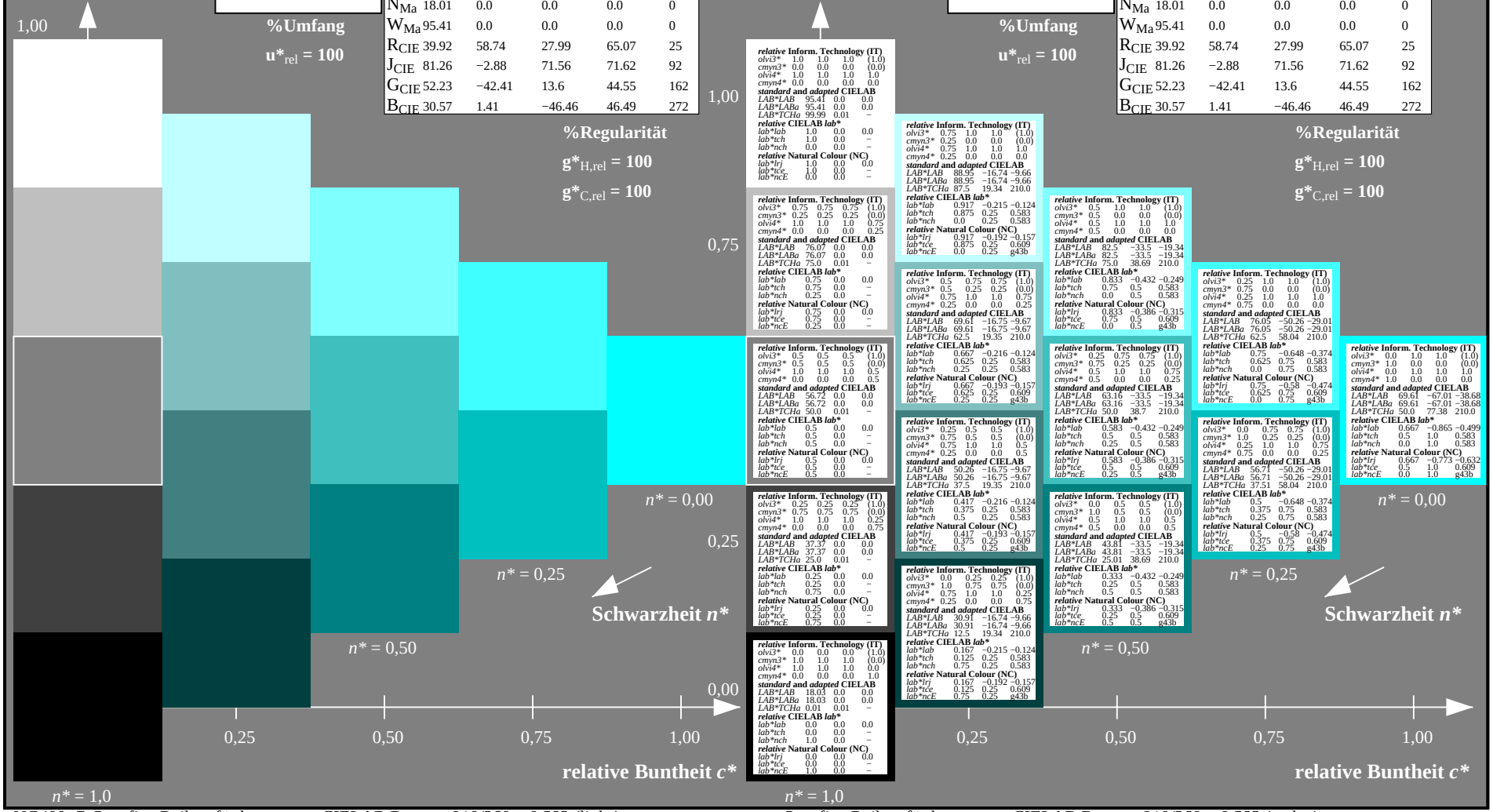
Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



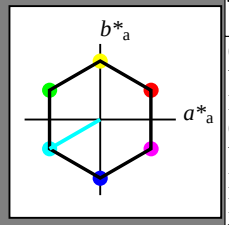
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

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

Schwarzheit *n**

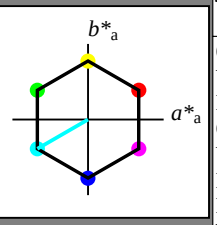
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

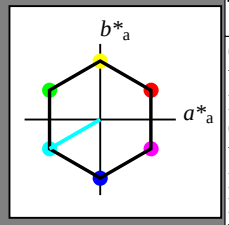
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

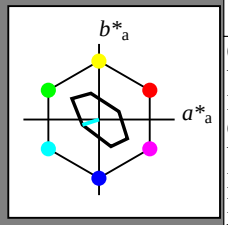
SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

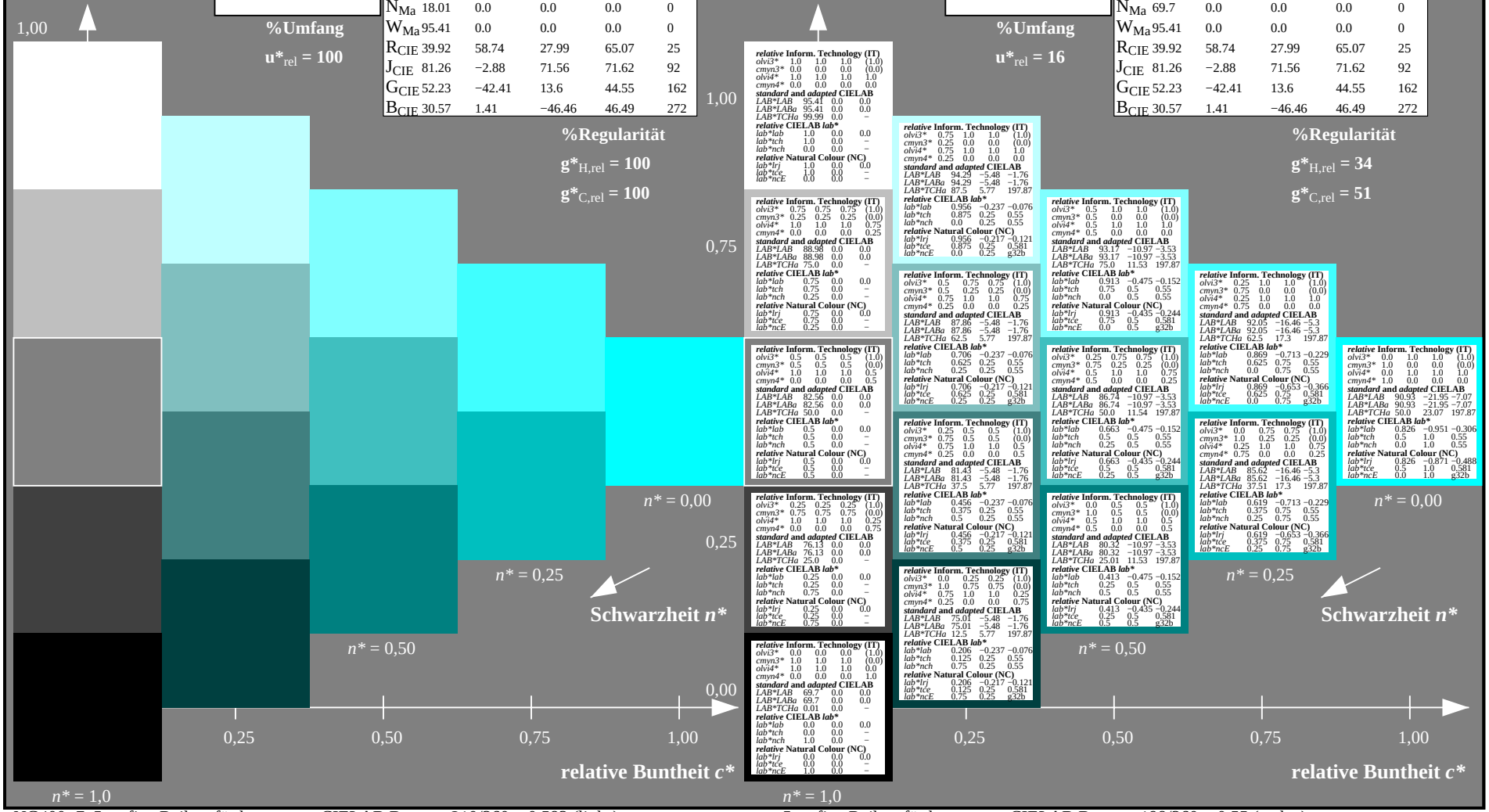
Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



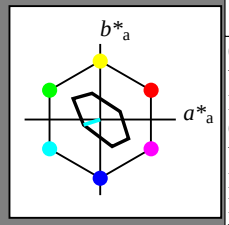
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

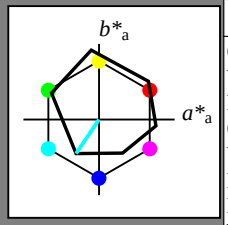
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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



%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

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**

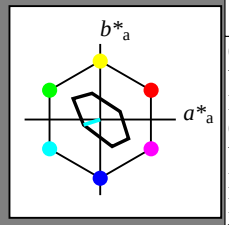
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

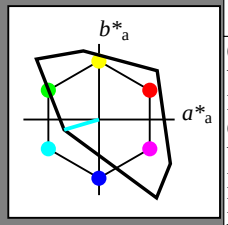
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

Ausgabe: 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

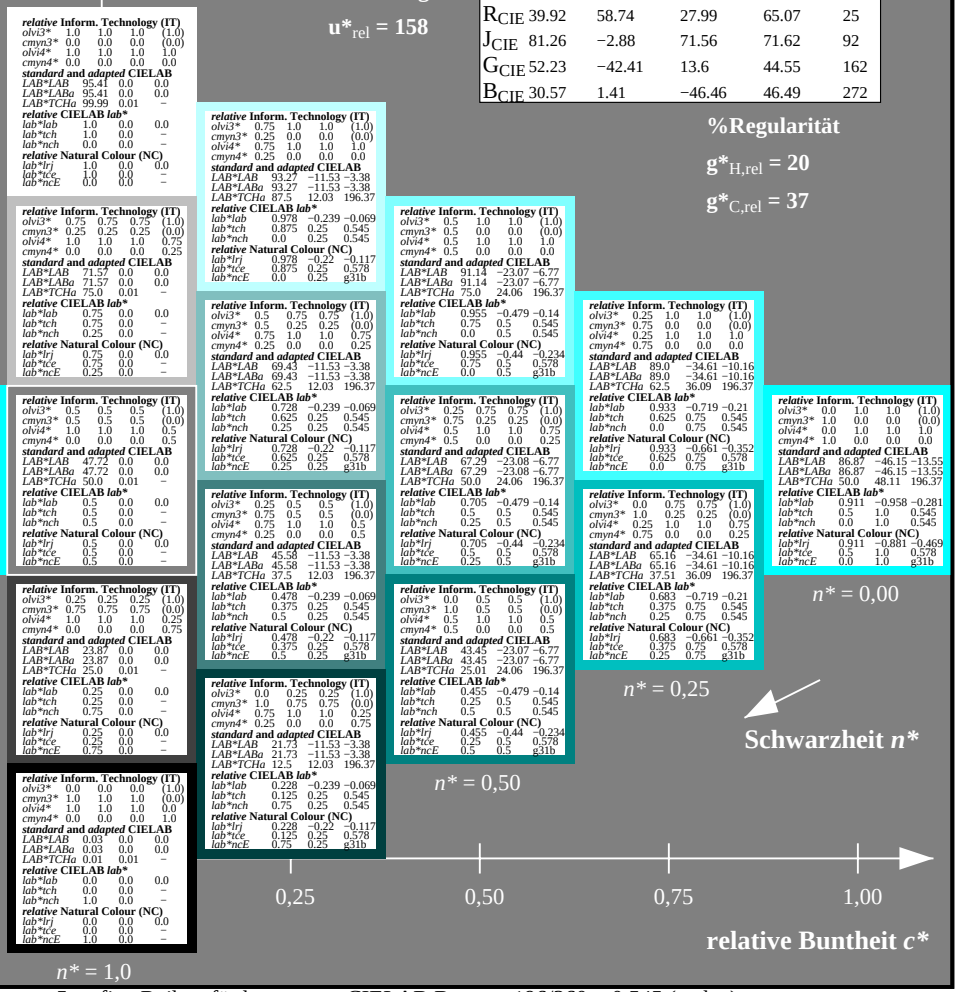


%Umfang
u^*_{rel} = 158

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



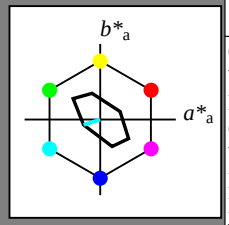
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

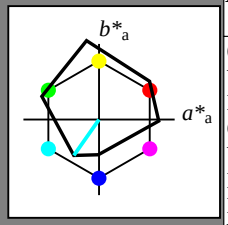
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 235/360 = 0.653***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 53 58 235
olv*Ma: 0.0 1.0 1.0

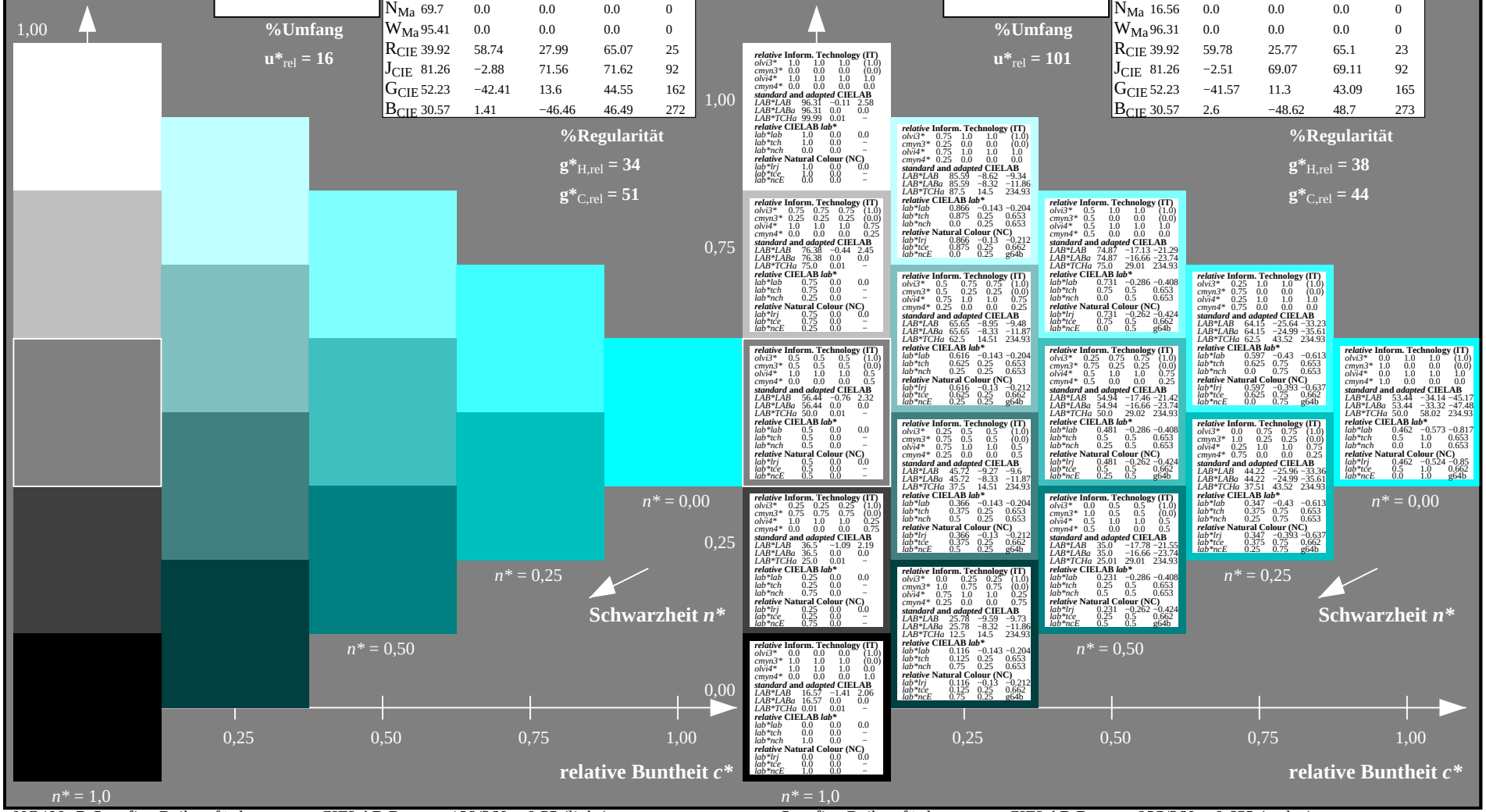
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



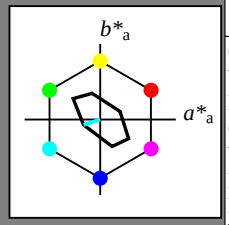
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

5 stufige Reihen für konstanten CIELAB Buntton 235/360 = 0.653 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

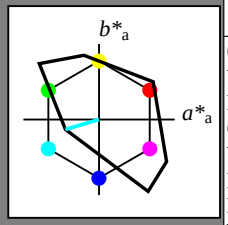
%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 196/360 = 0.546***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

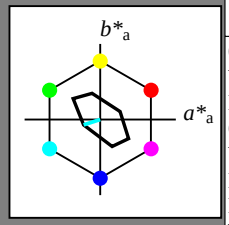
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

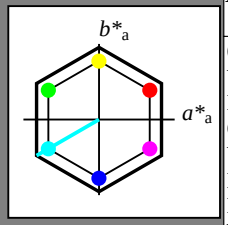
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 64 95 210
olv*Ma: 0.0 1.0 1.0

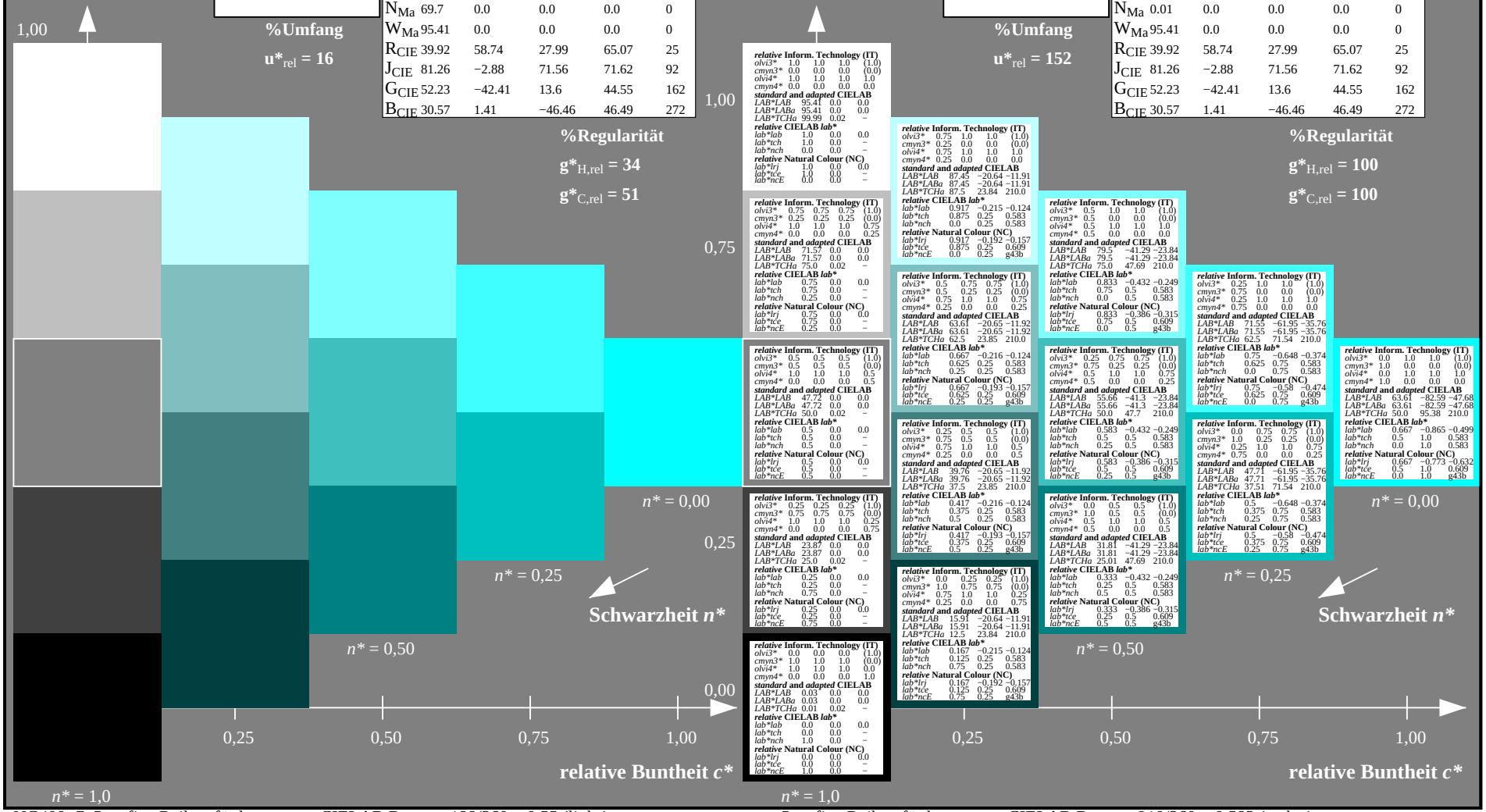
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



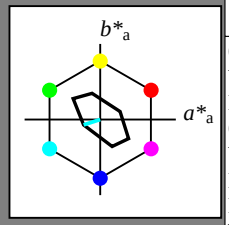
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 198/360 = 0.55***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

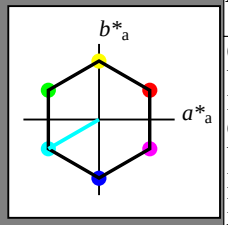
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 210/360 = 0.583***
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 70 77 210
olv*Ma: 0.0 1.0 1.0

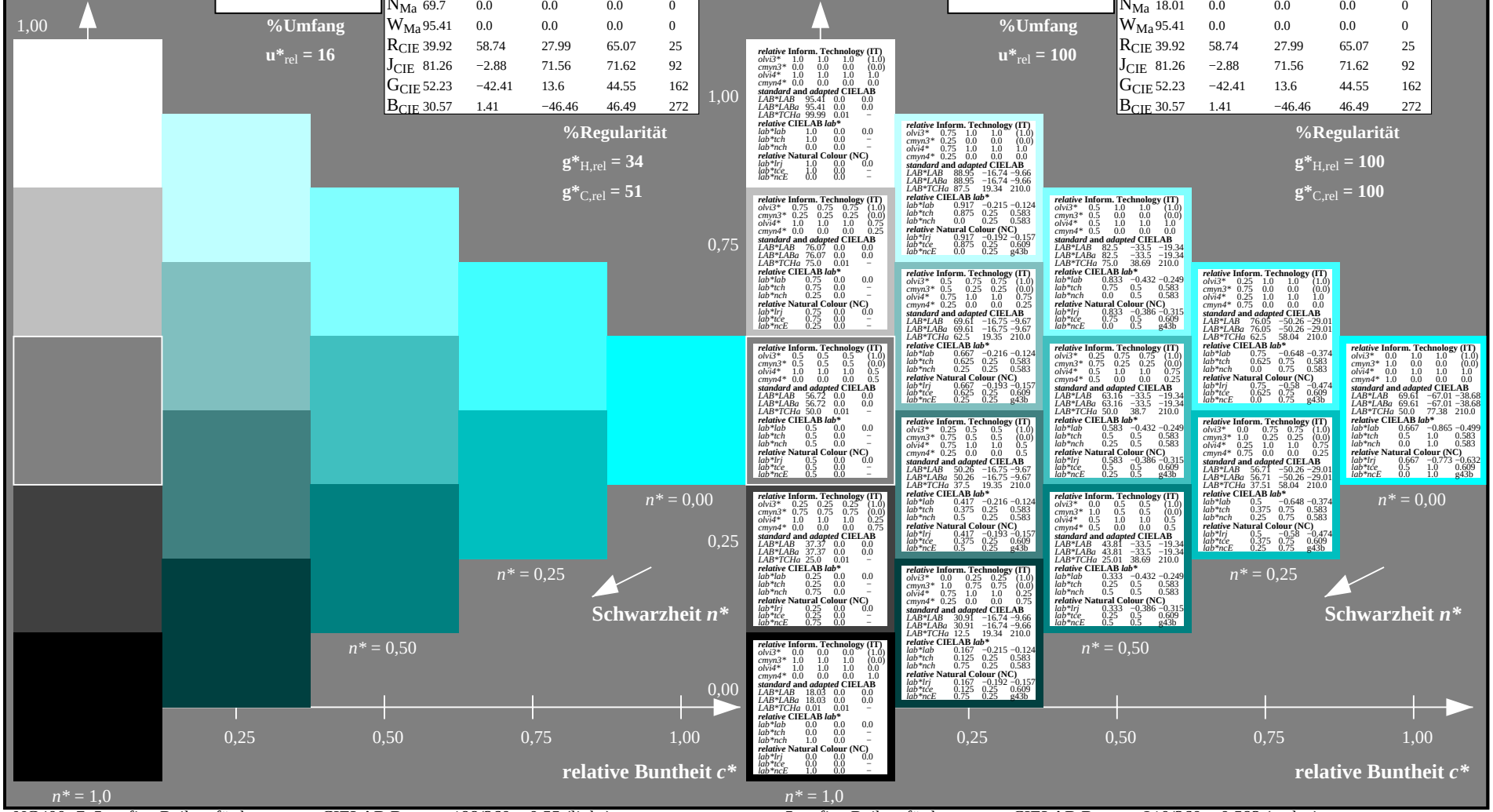
Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



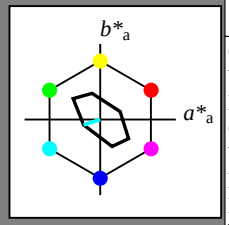
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

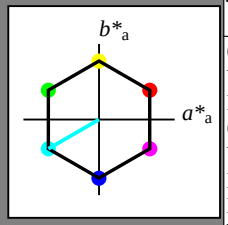
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 210/360 = 0.583*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

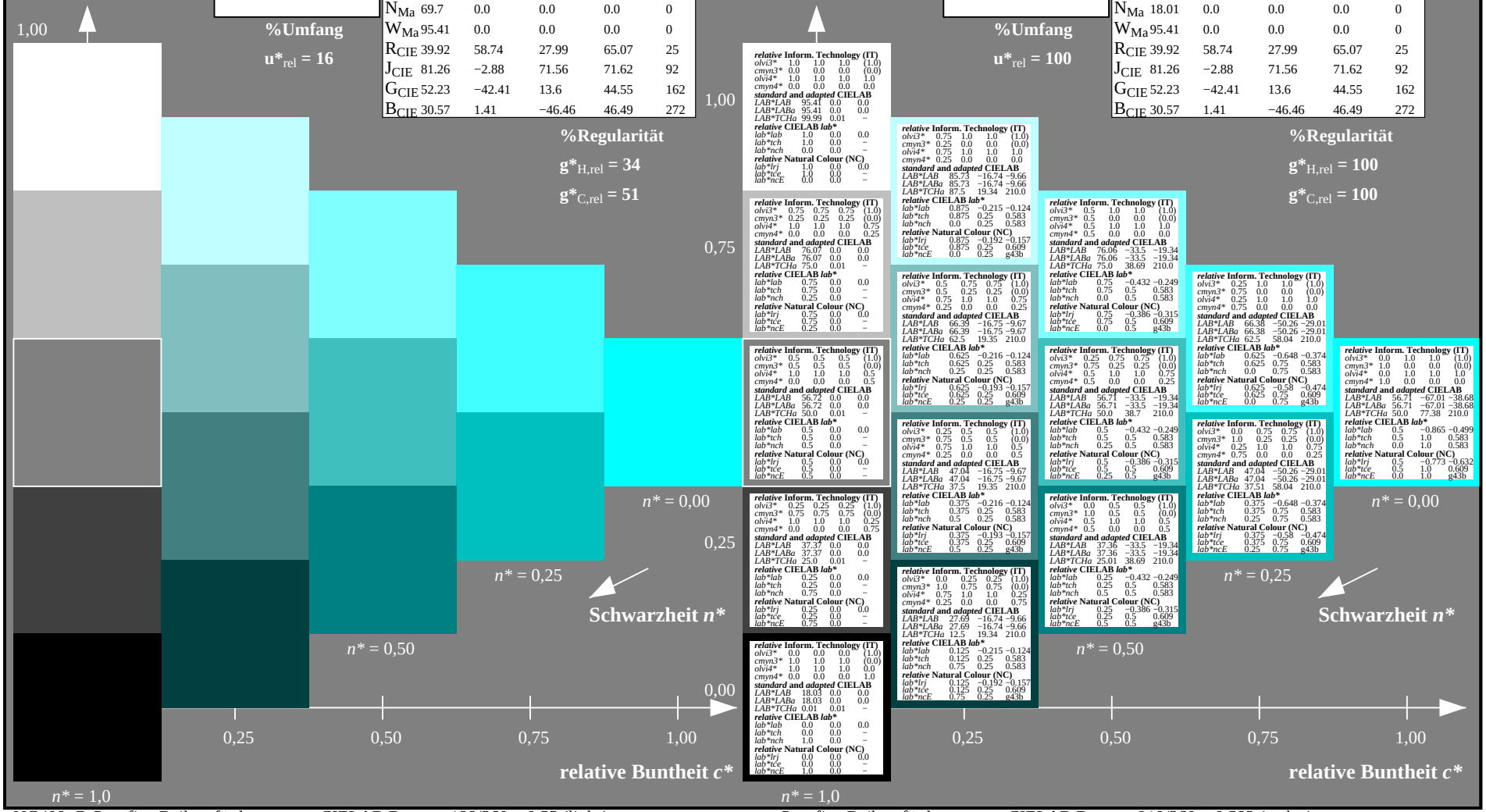


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



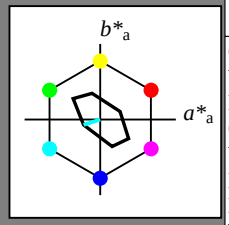
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

5 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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

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

Schwarzheit *n**

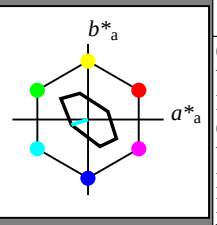
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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

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

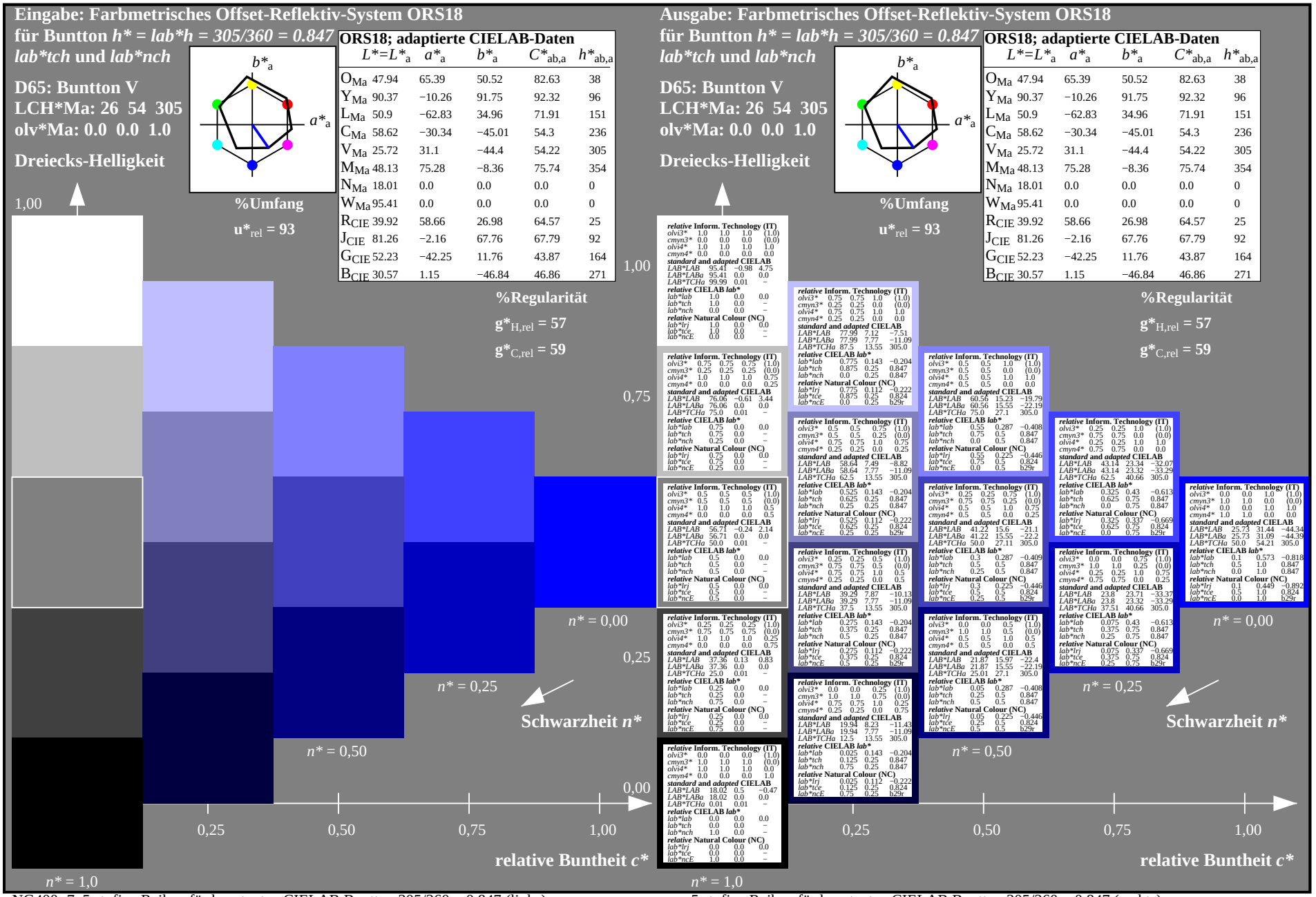
Schwarzheit *n**

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

relative Buntheit *c**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)



ORS18; adaptierte CIELAB-Daten

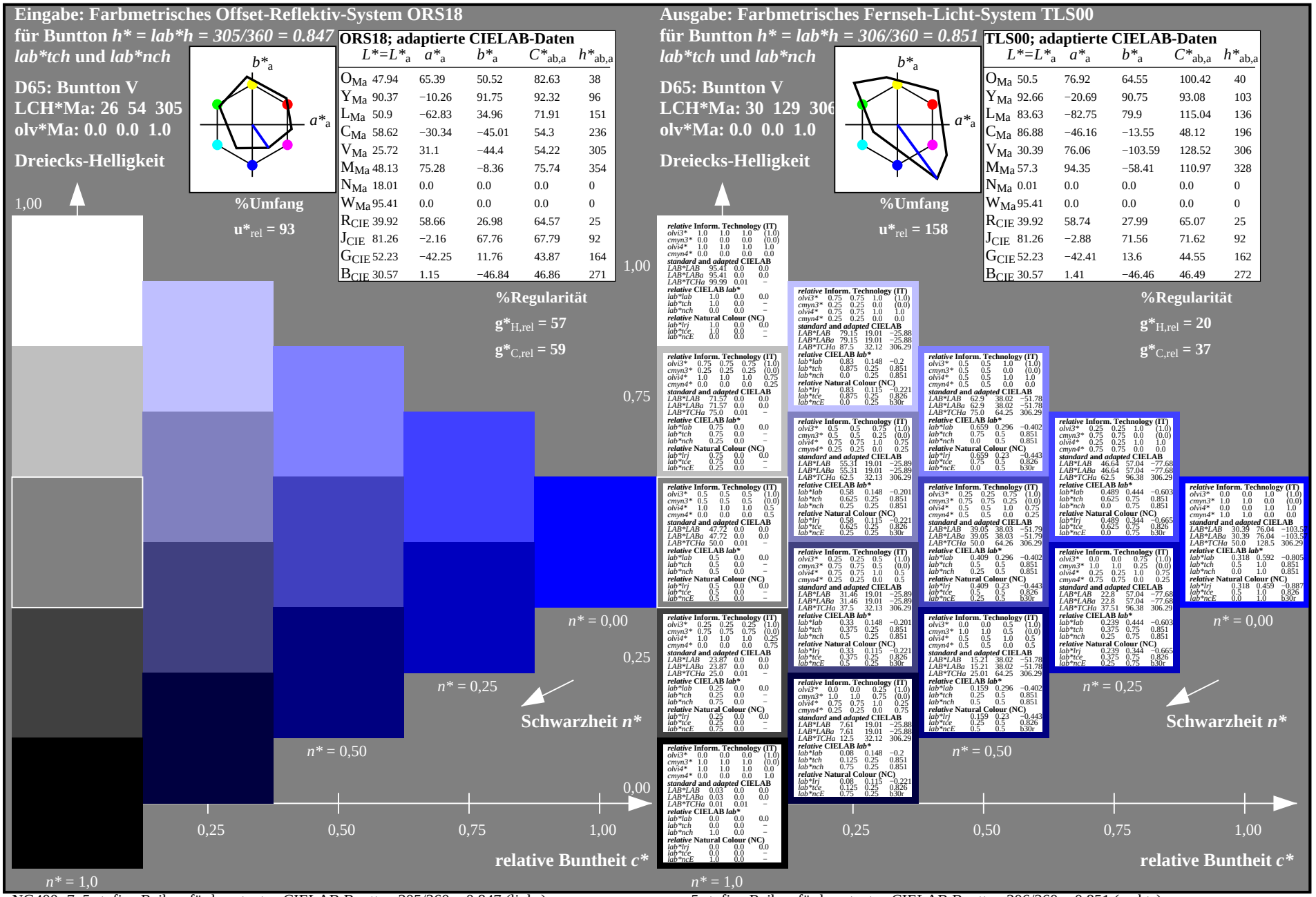
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)



ORS18; adaptierte CIELAB-Daten

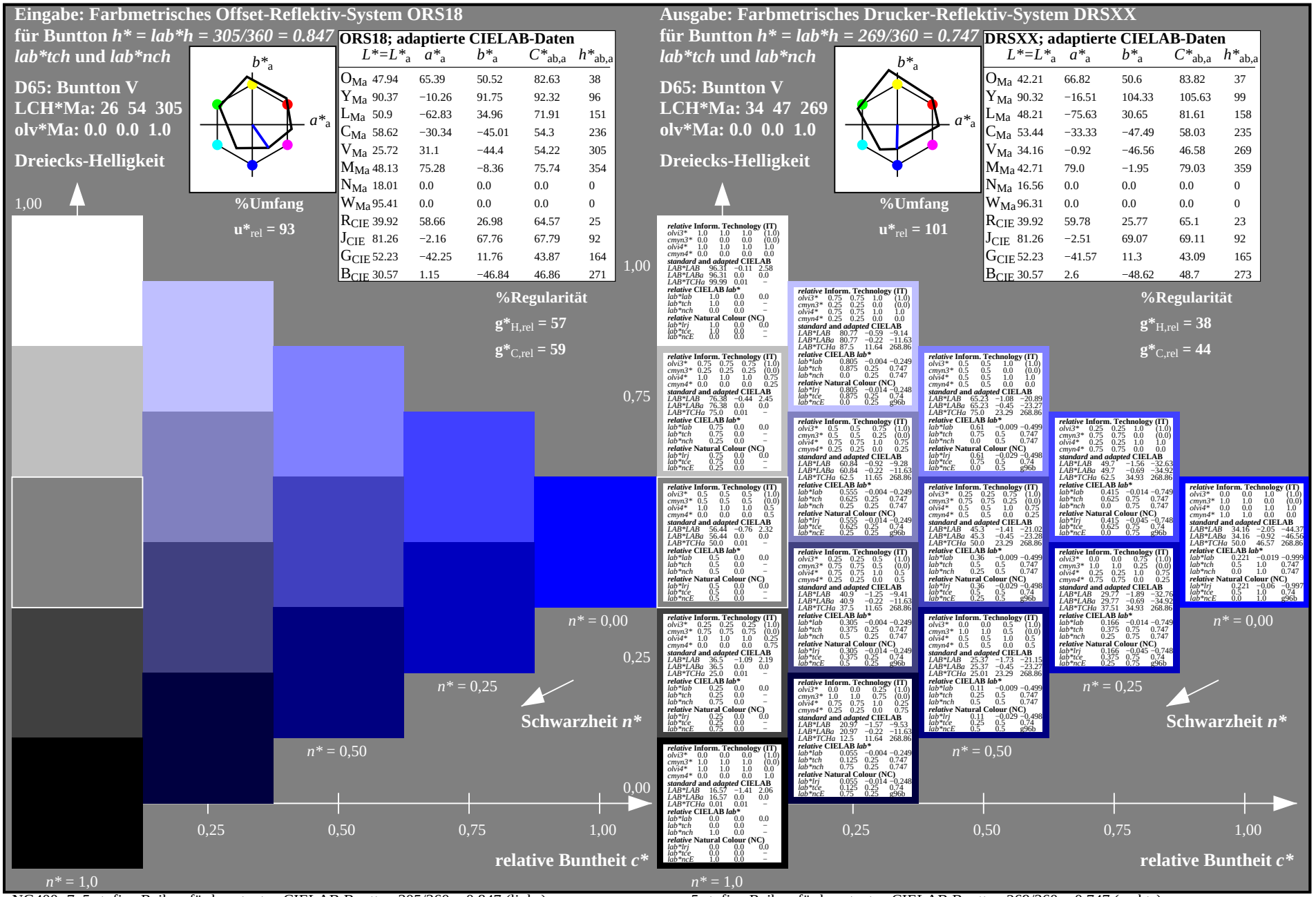
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)



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

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

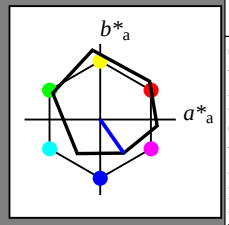
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (rechts)

Eingabe: 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



%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

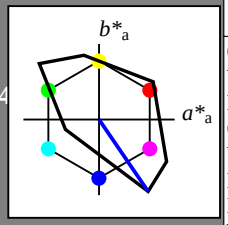
%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 304/360 = 0.845*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

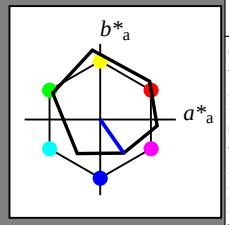
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)

Eingabe: 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



%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

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

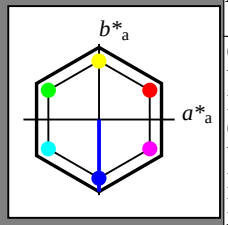
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 270/360 = 0.75***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 32 95 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

Schwarzheit *n**

relative Buntheit *c**

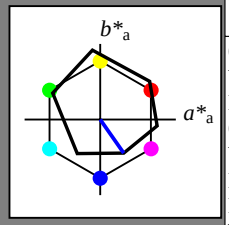
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: 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



%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

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

Schwarzheit *n**

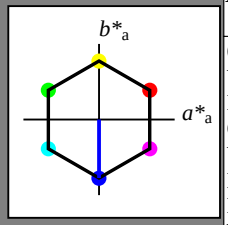
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 44 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

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**

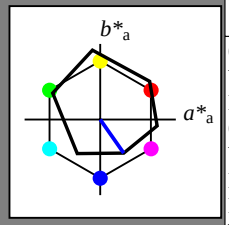
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: 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



%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

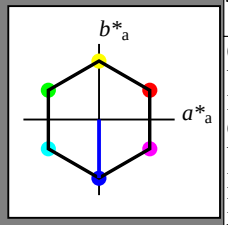
%Regularität
g*H,rel = 57
g*C,rel = 59

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

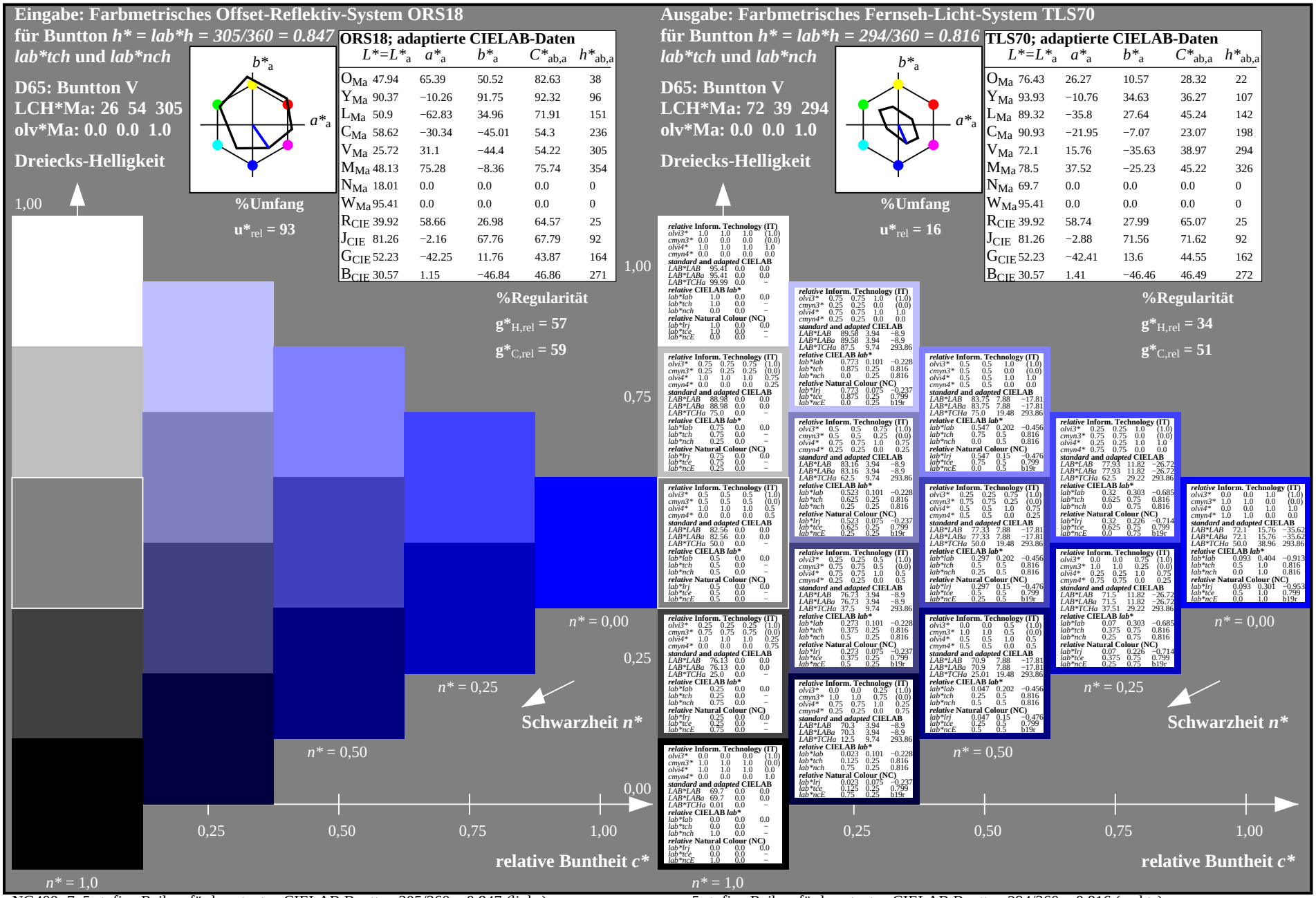
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



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

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

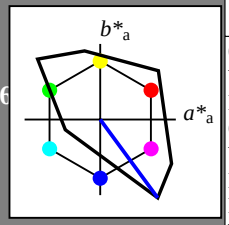
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

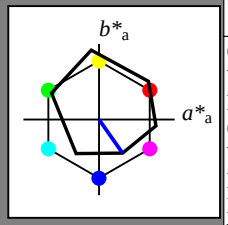
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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

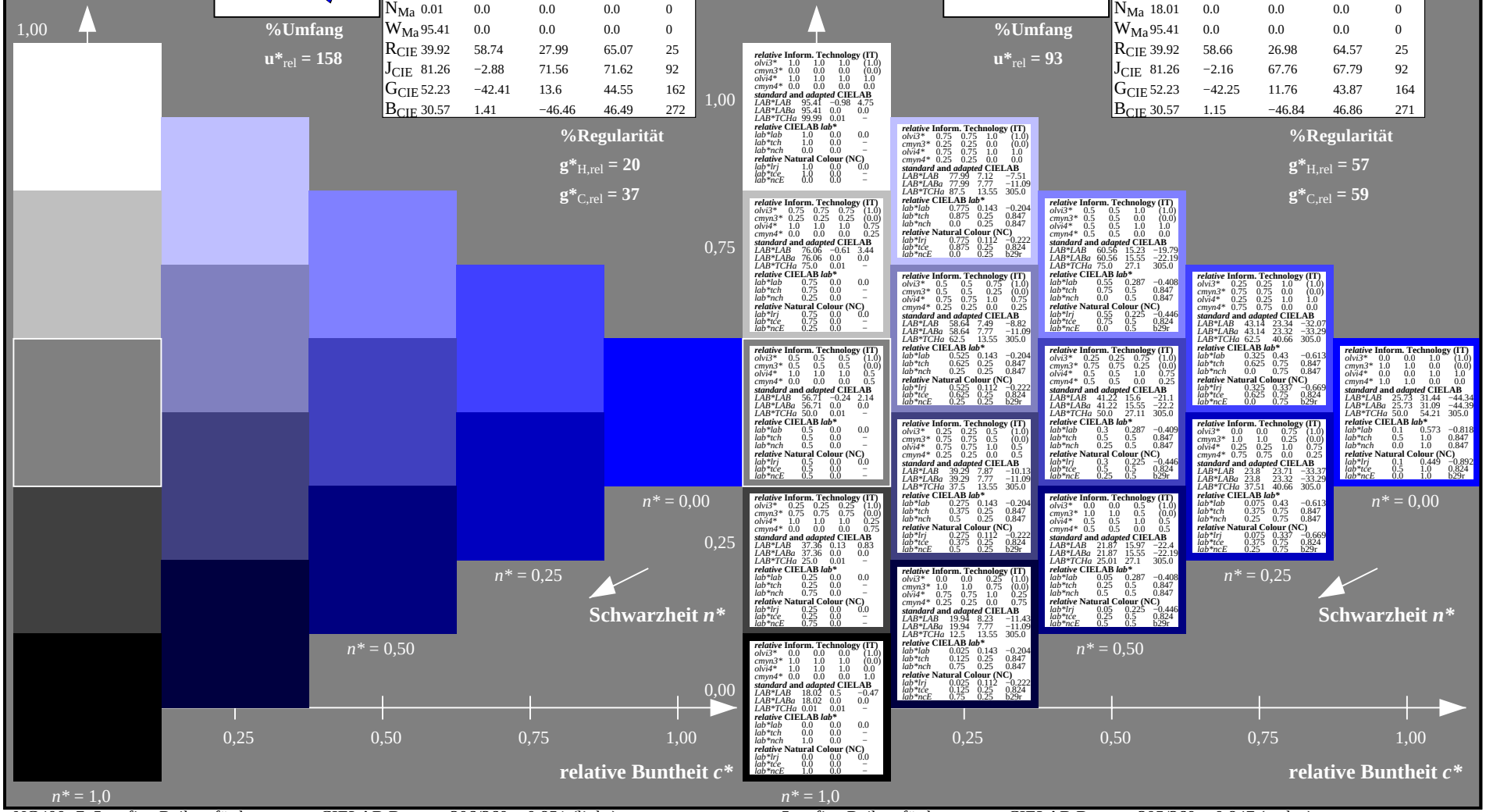


%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

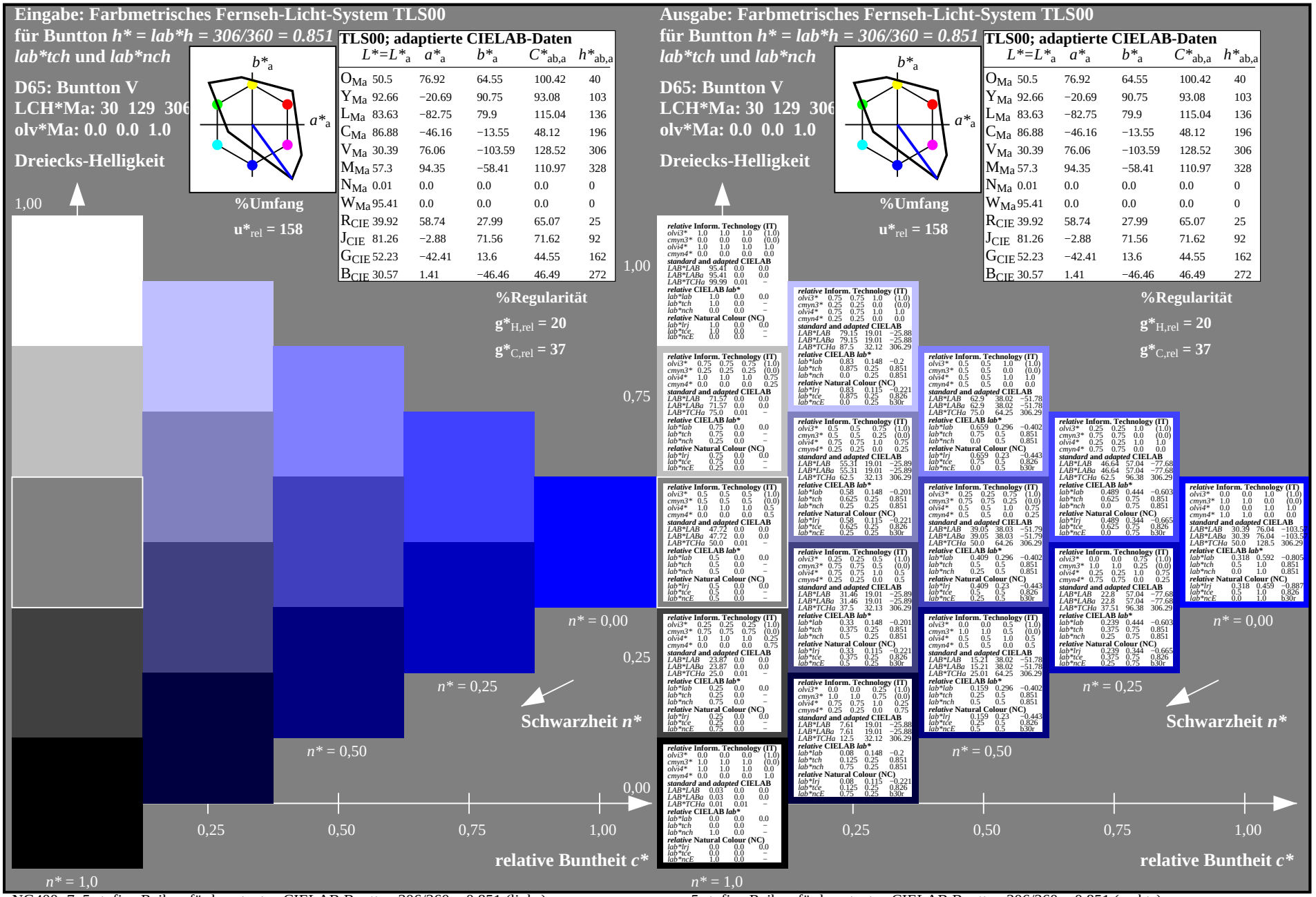
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	10.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)



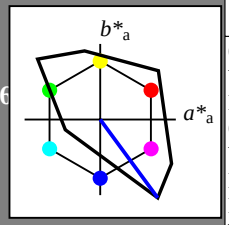
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (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



%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

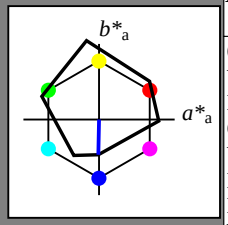
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

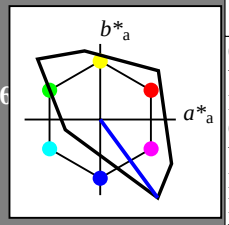
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

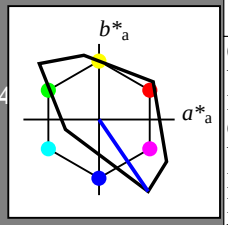
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 304/360 = 0.845*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

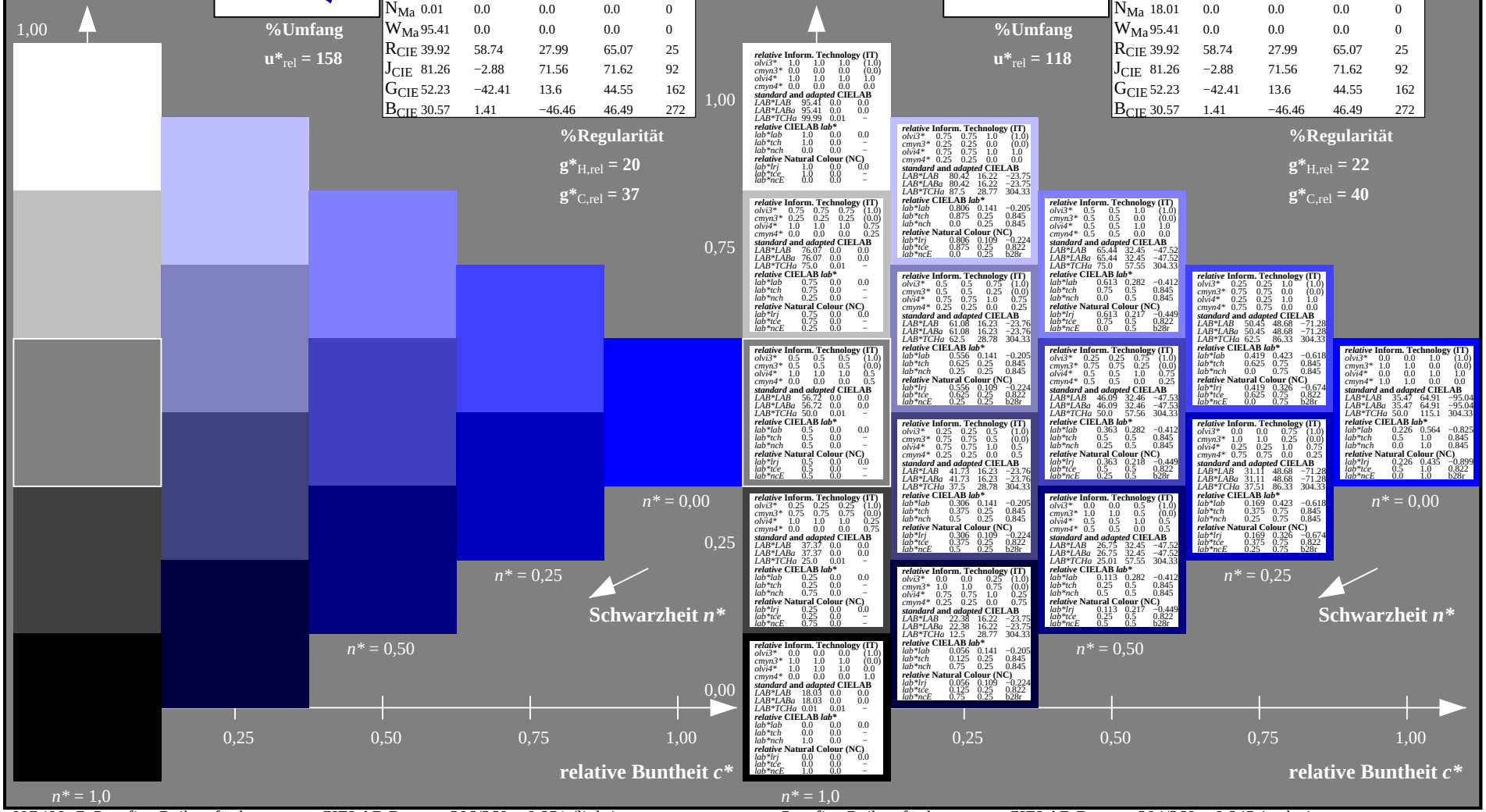


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

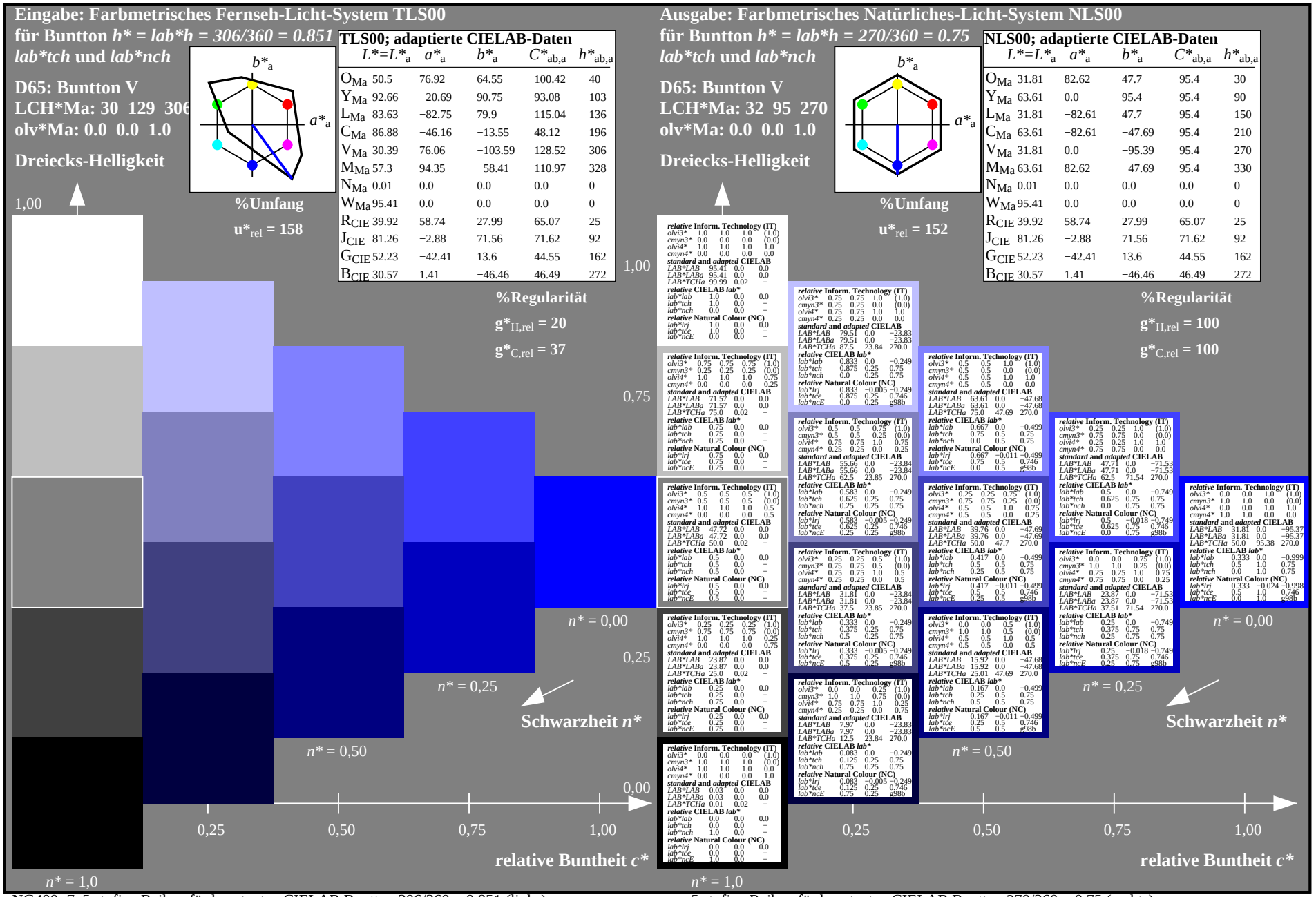
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)



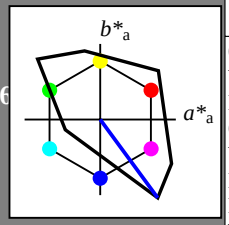
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

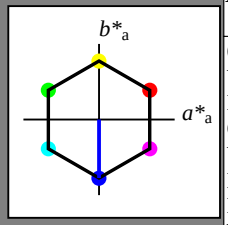
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 44 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

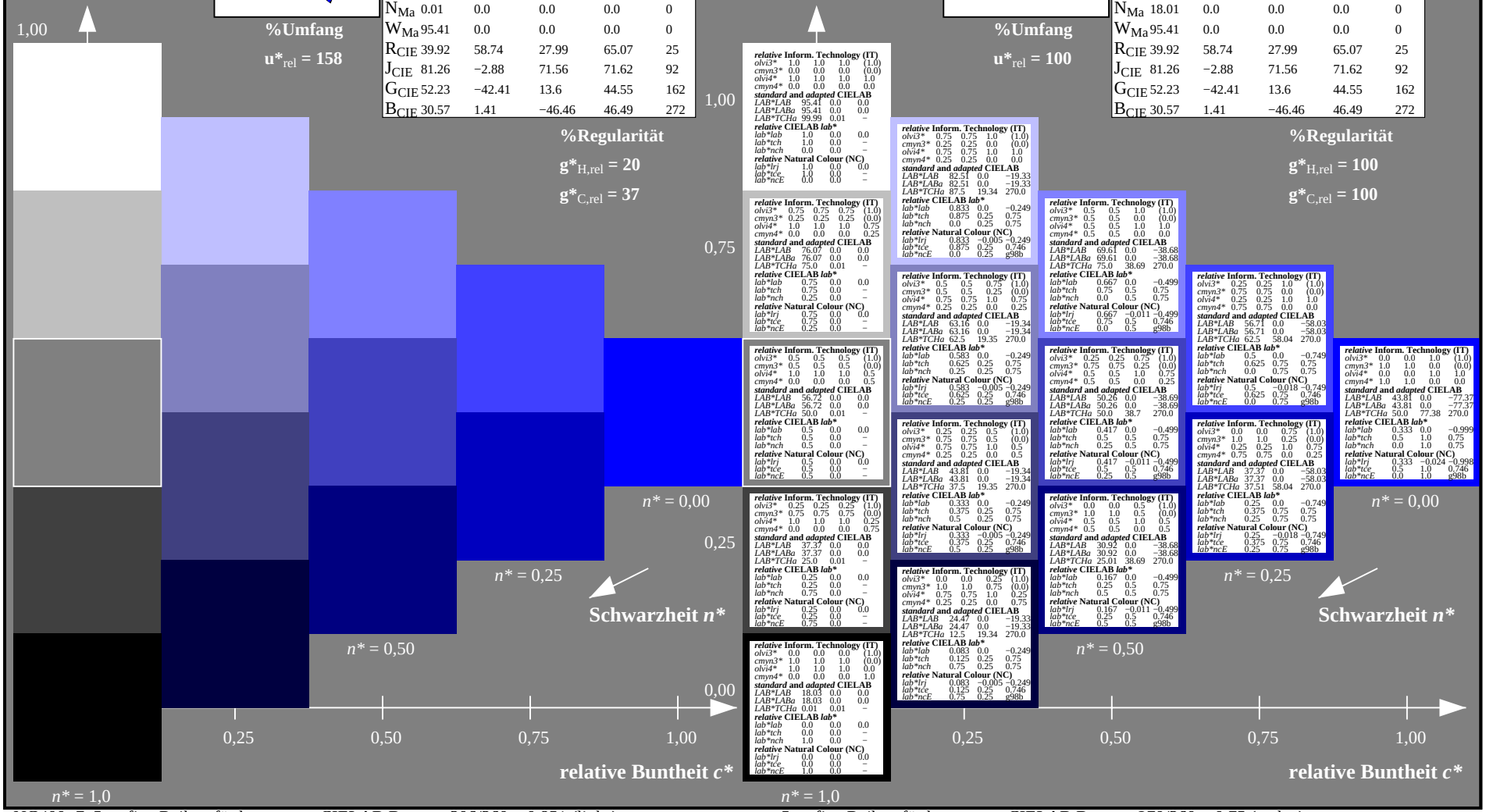


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



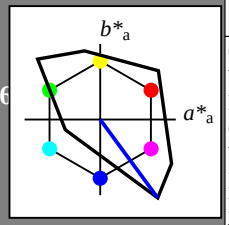
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

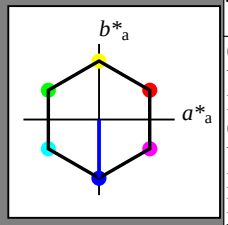
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

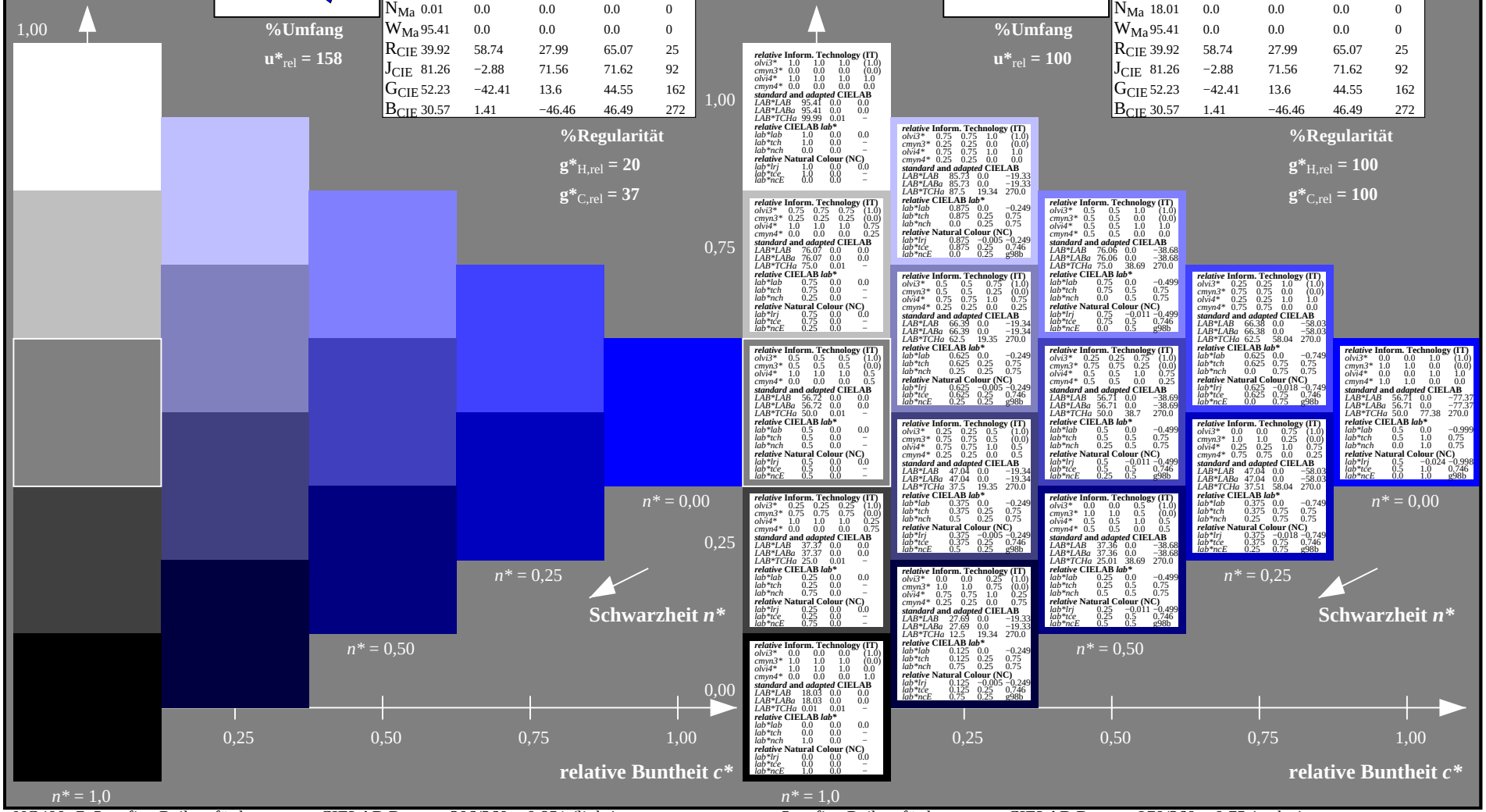


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



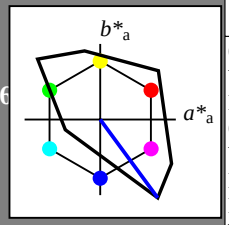
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

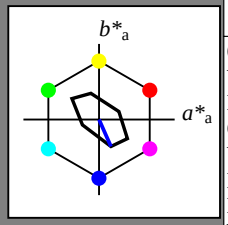
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

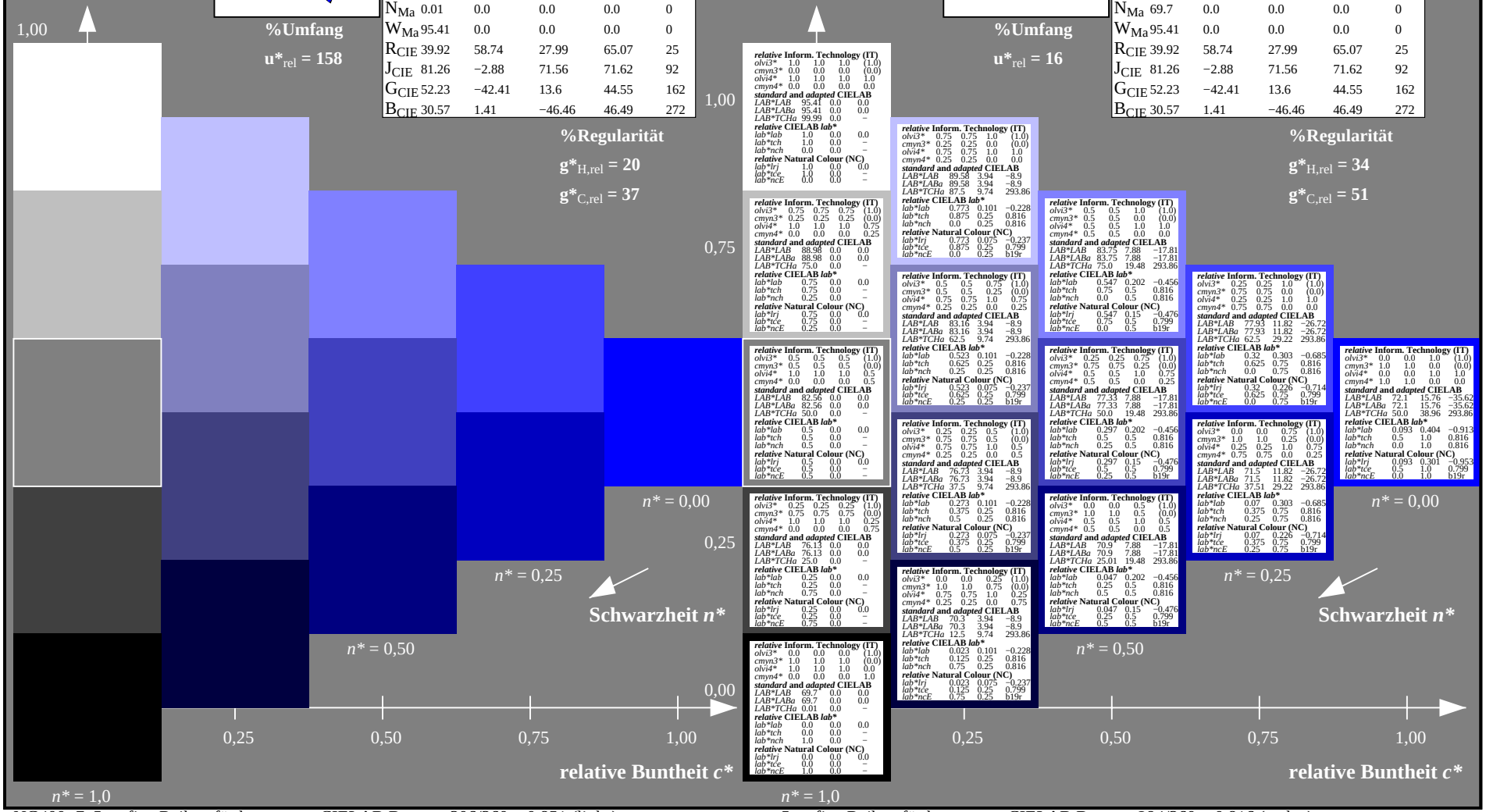


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



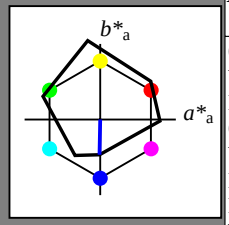
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

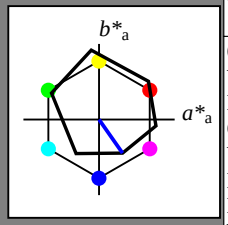
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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



%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

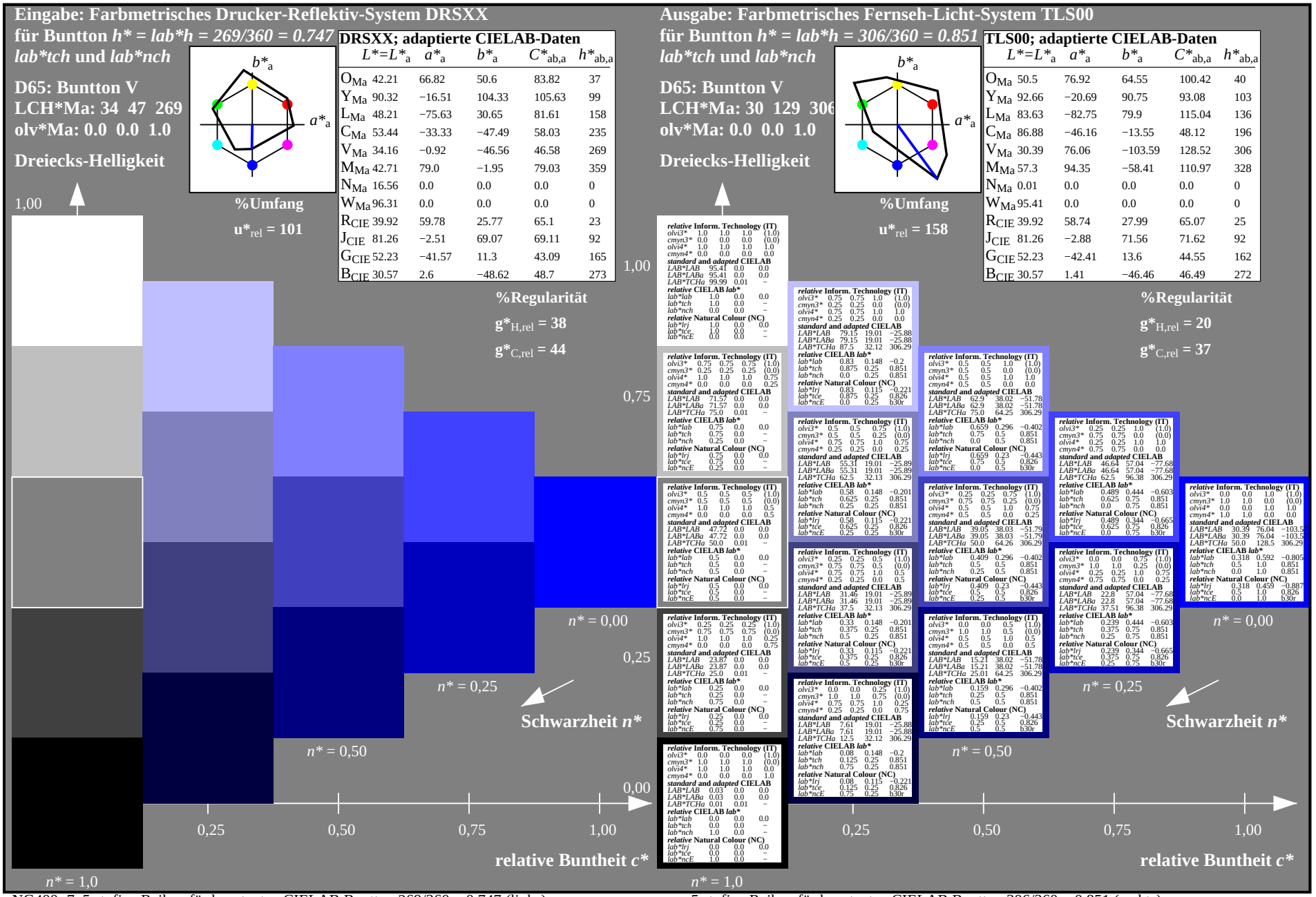
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)



DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

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

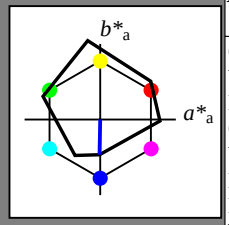
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 269/360 = 0.747*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

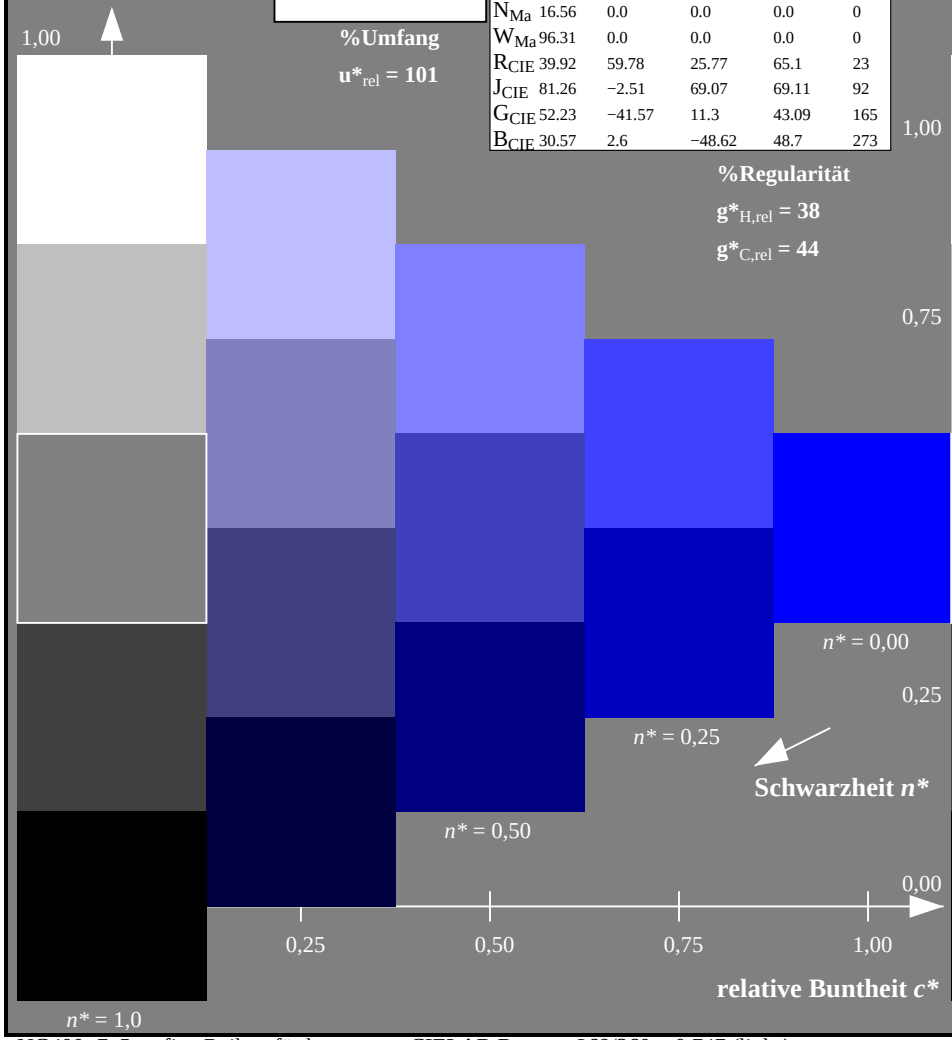


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

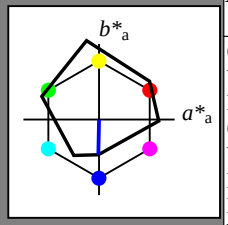
%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 269/360 = 0.747*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

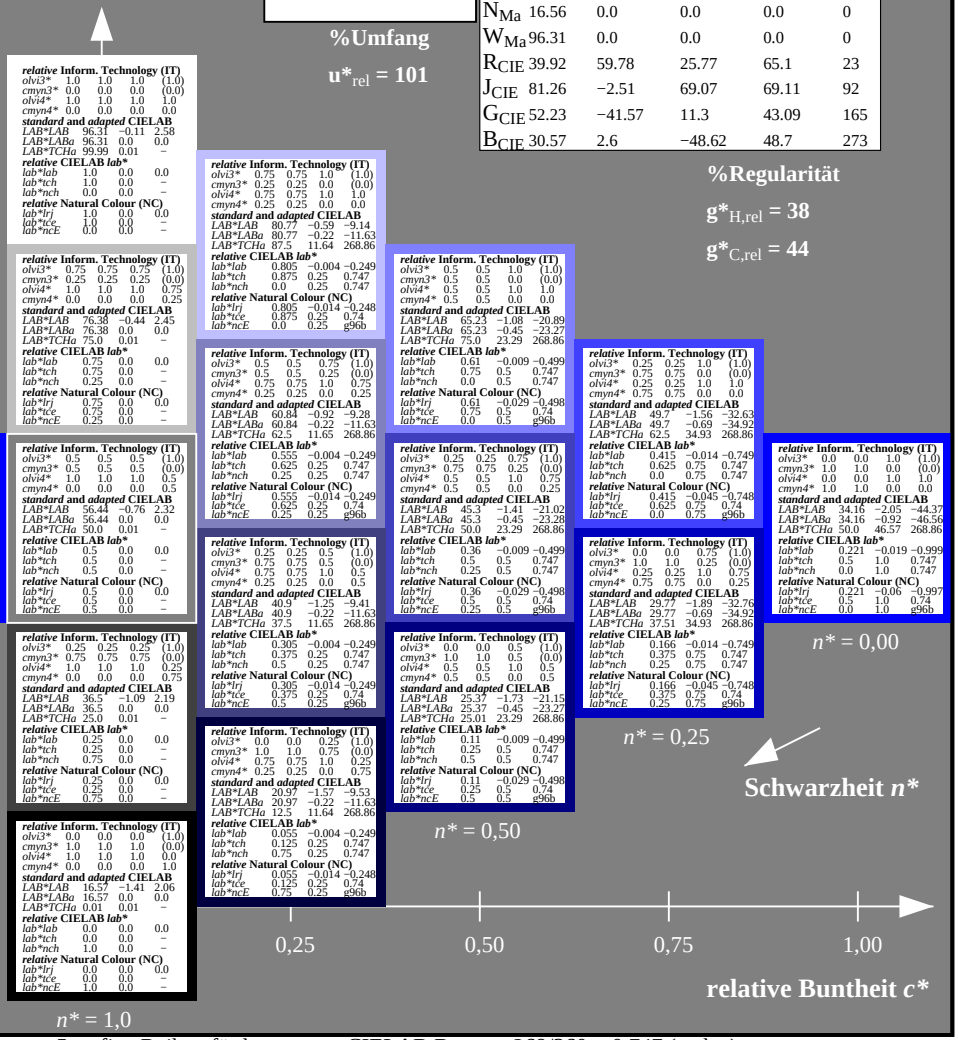


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



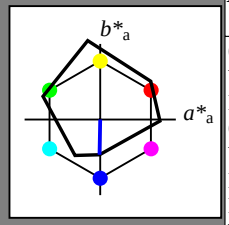
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 269/360 = 0.747*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

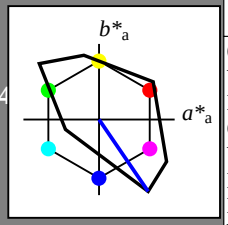
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 304/360 = 0.845*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

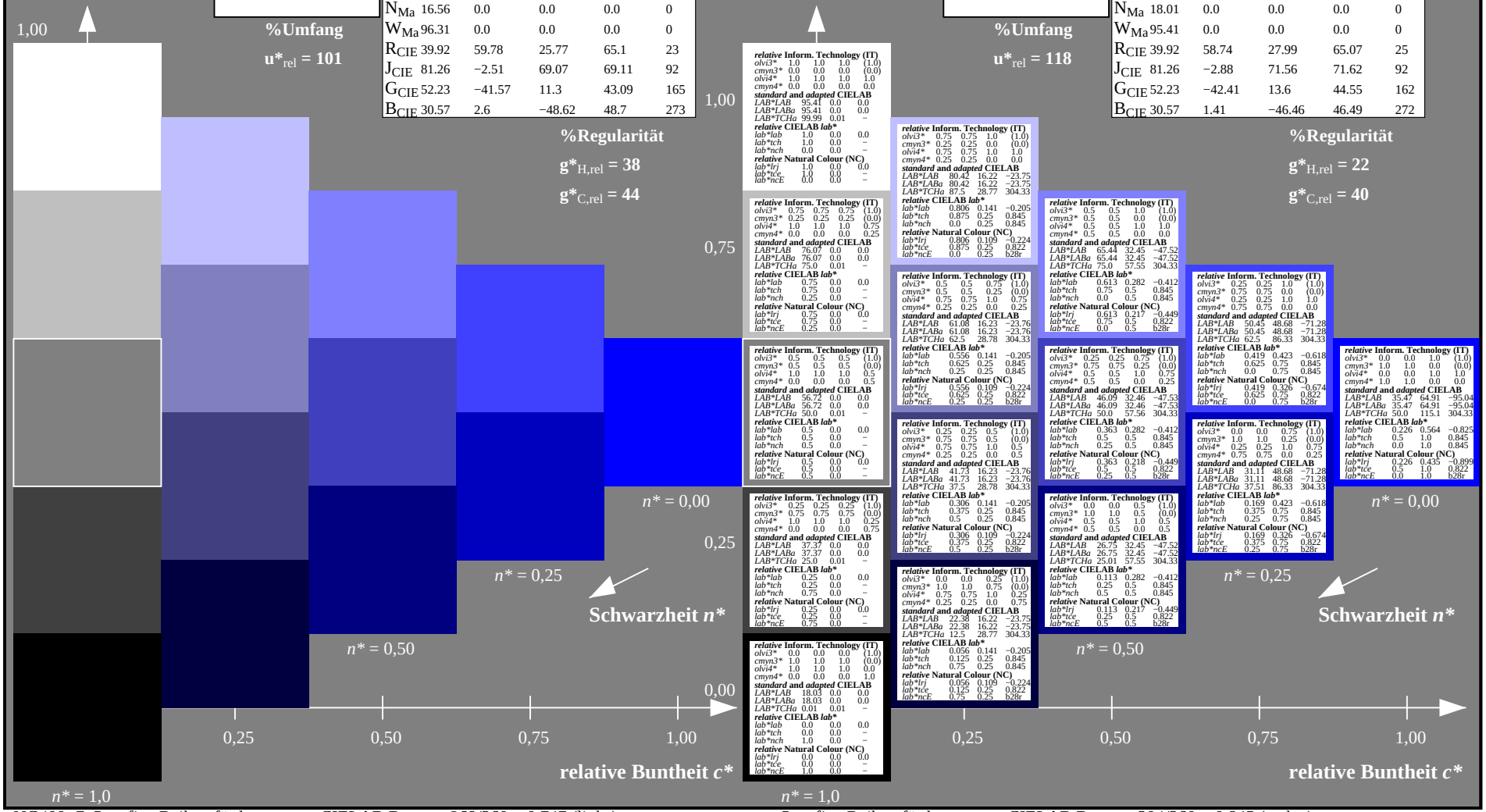


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

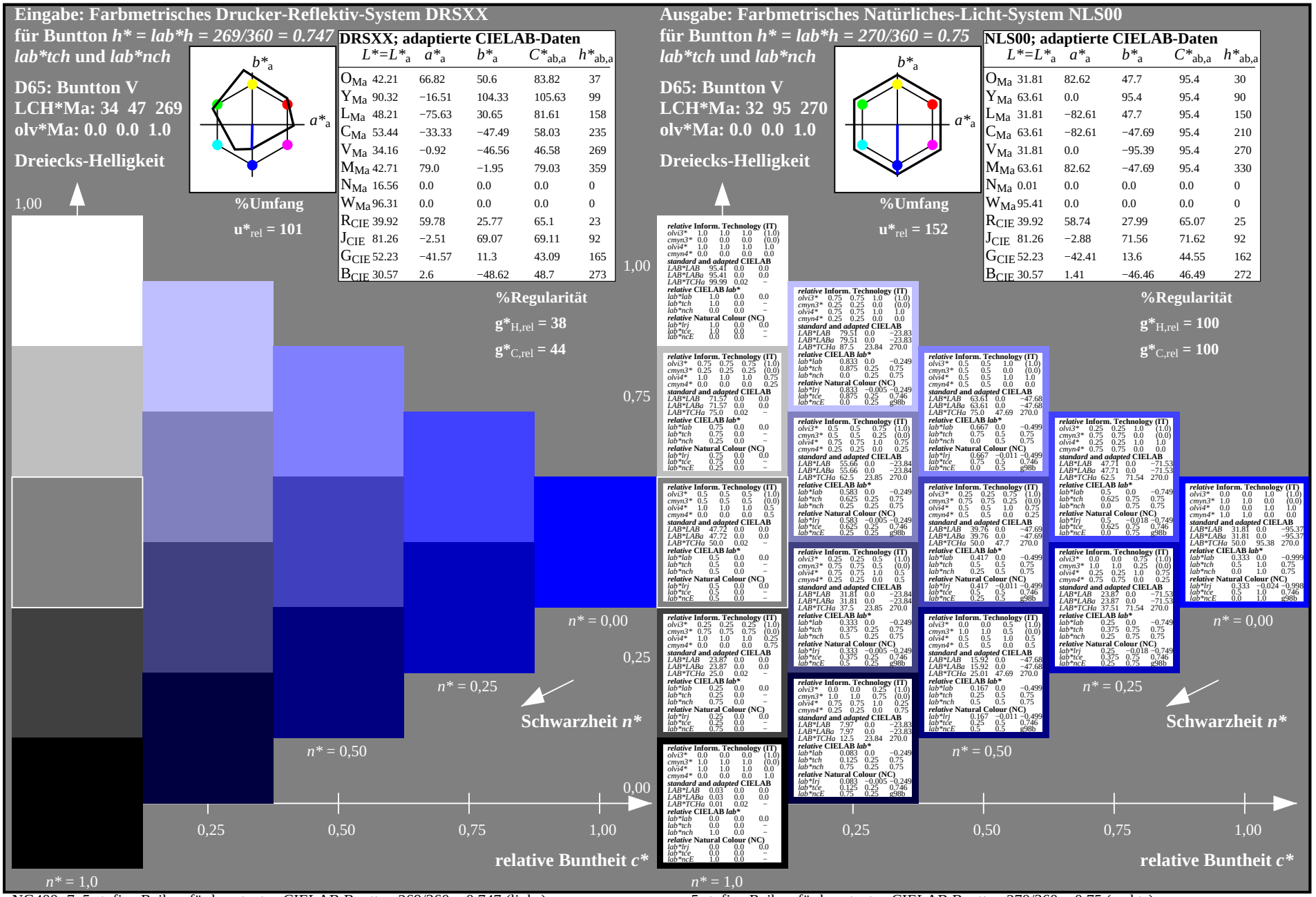
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



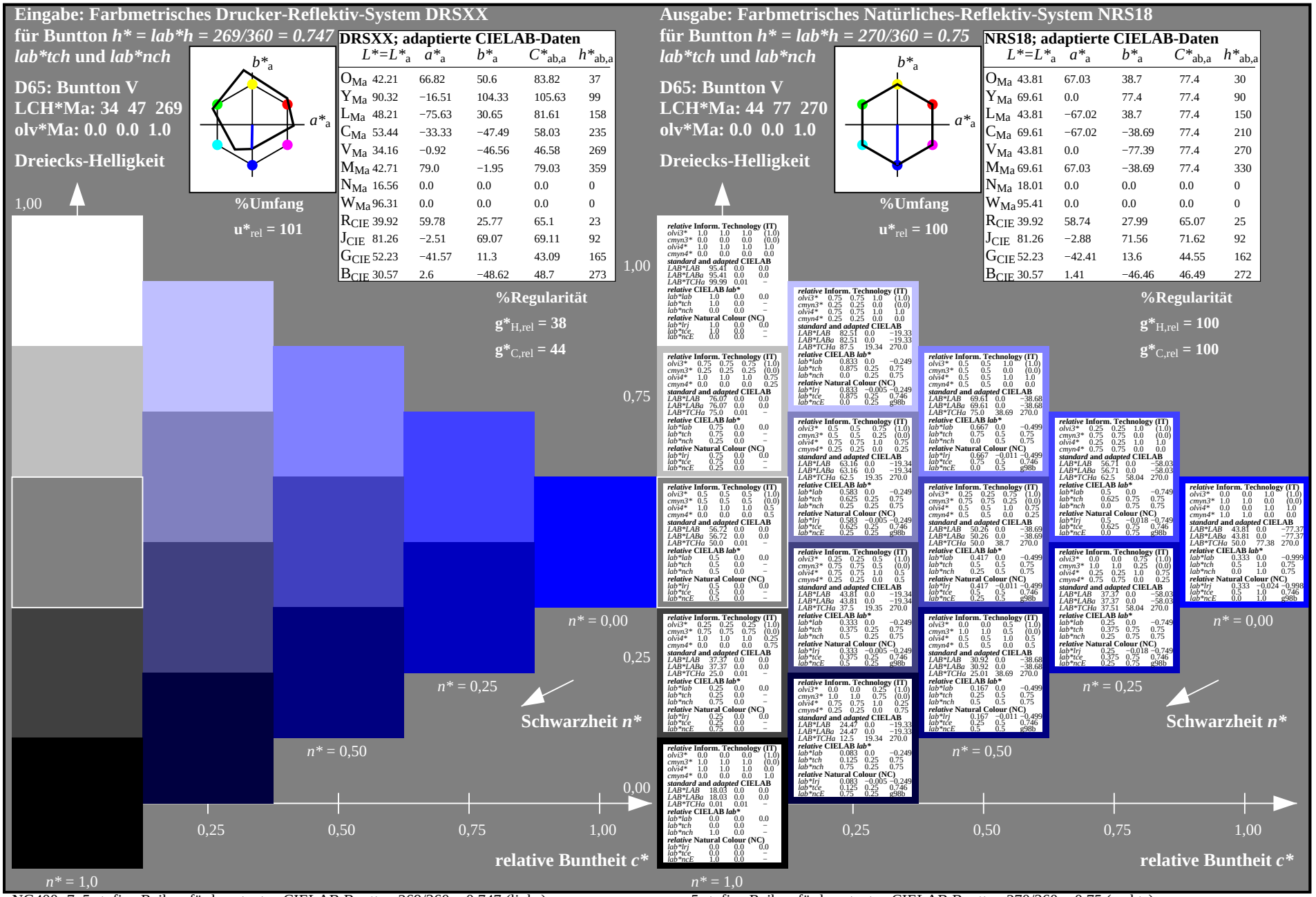
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

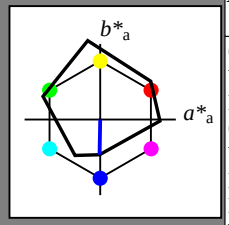
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

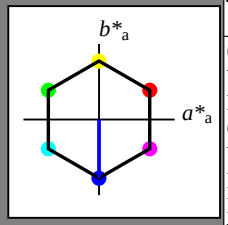
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

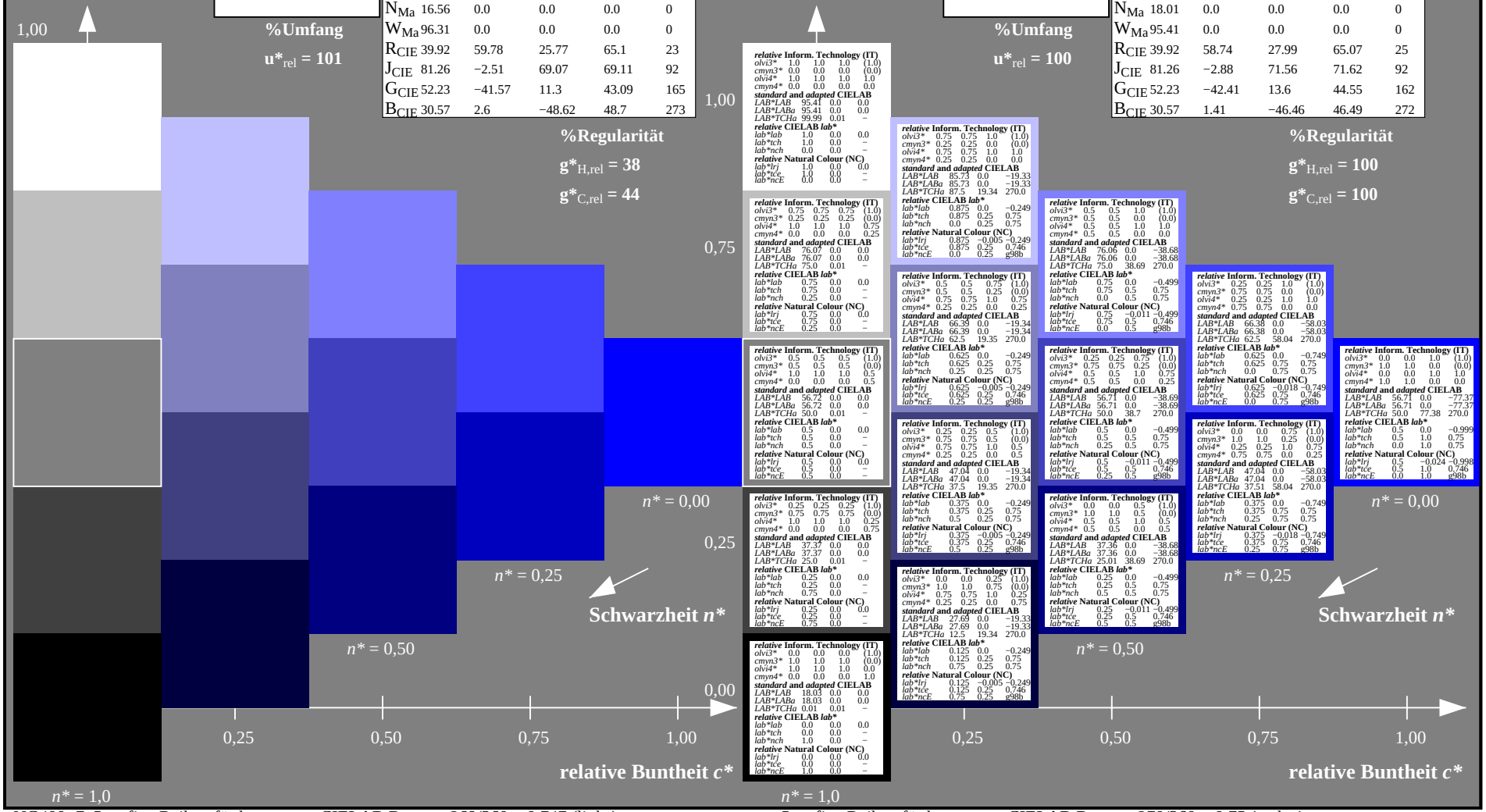


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



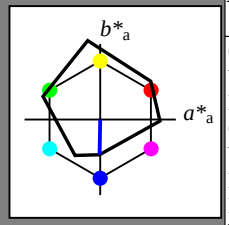
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*H,rel = 38

g*C,rel = 44

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

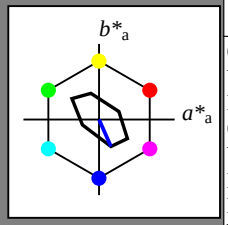
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

Schwarzheit *n**

relative Buntheit *c**

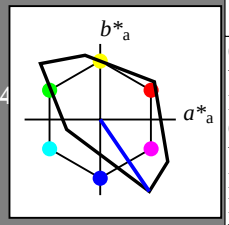
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 304/360 = 0.845*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

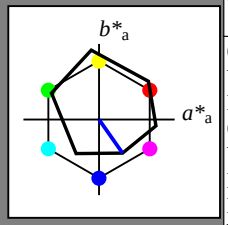
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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



%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

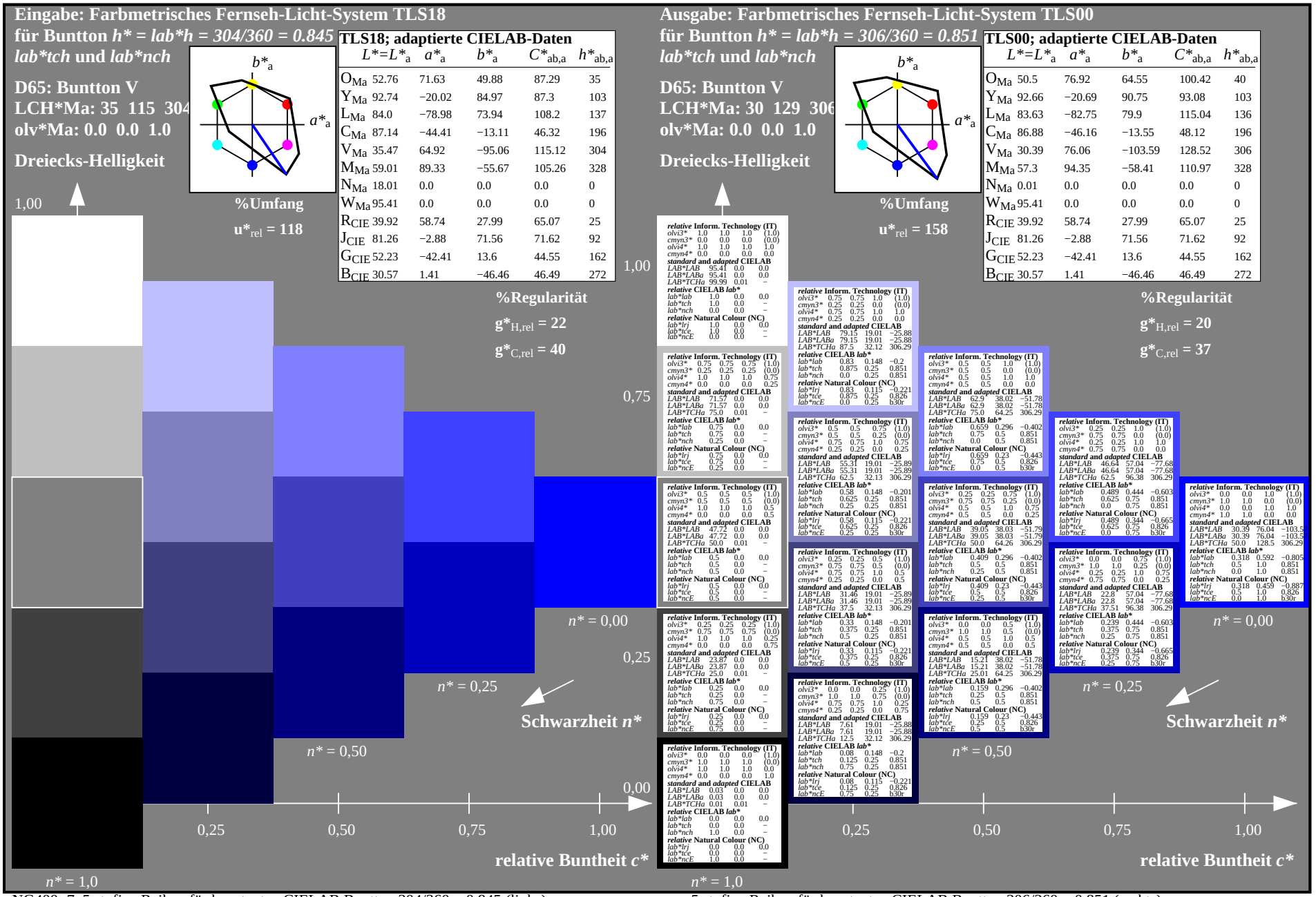
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

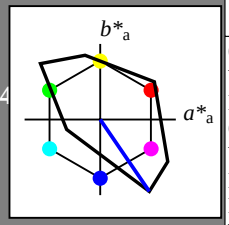
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 304/360 = 0.845***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

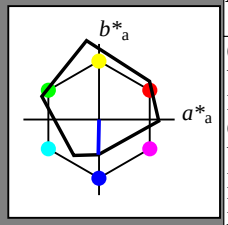
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

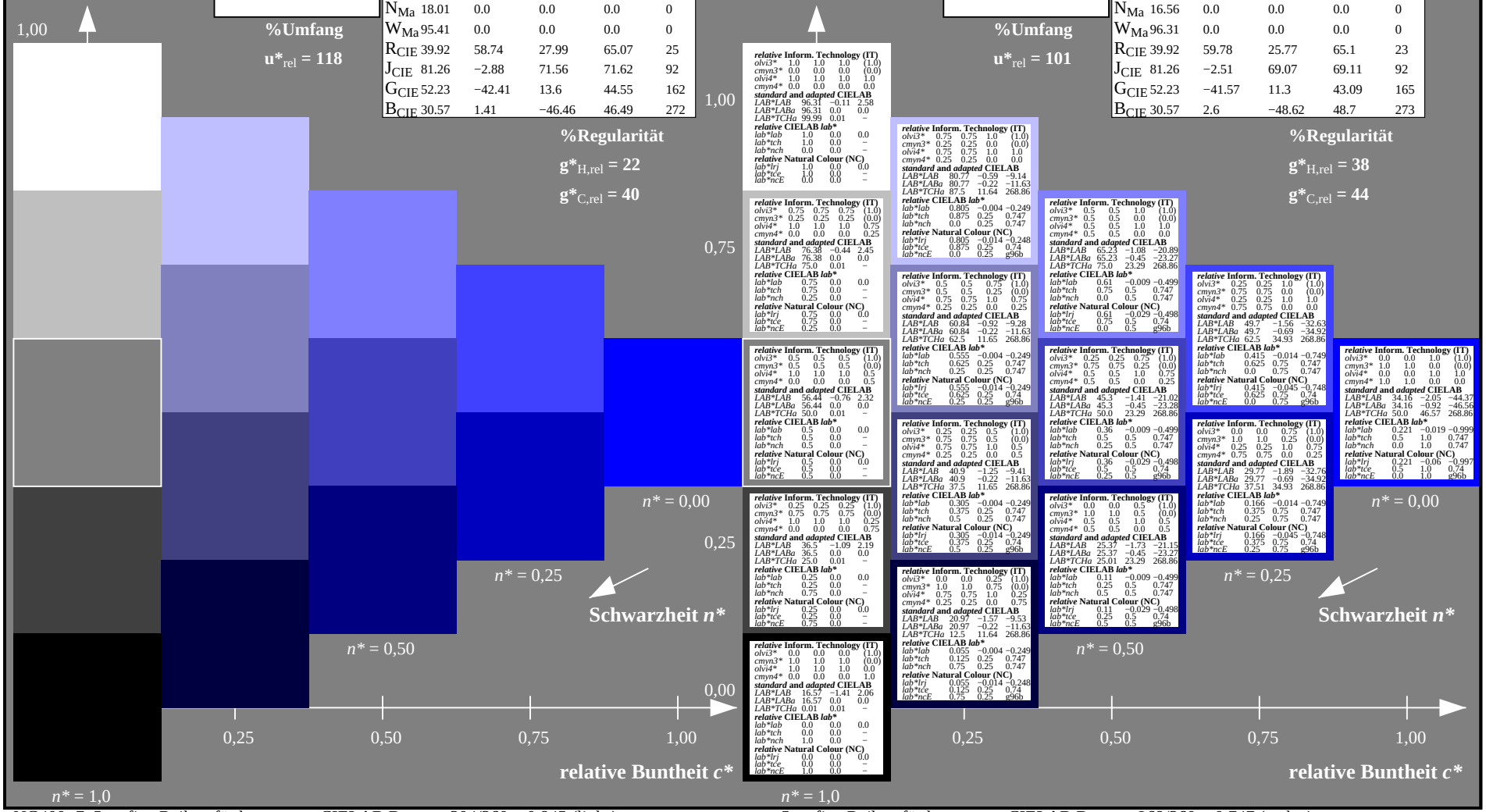


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



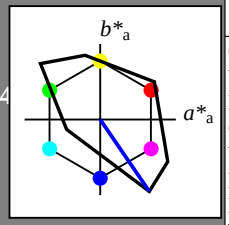
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 304/360 = 0.845*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

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

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

Schwarzheit *n**

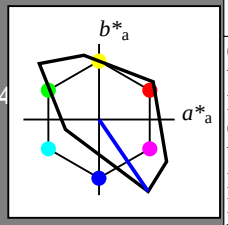
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 304/360 = 0.845*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

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**

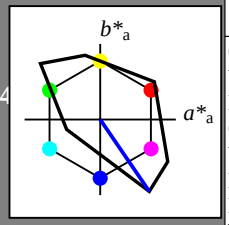
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 304/360 = 0.845***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

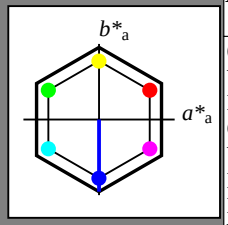
%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 32 95 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

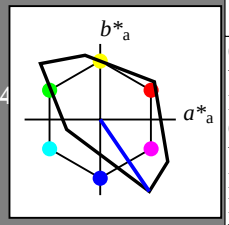
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 304/360 = 0.845***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

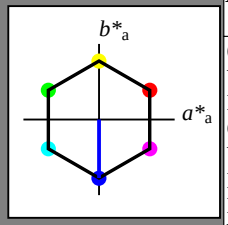
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 44 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

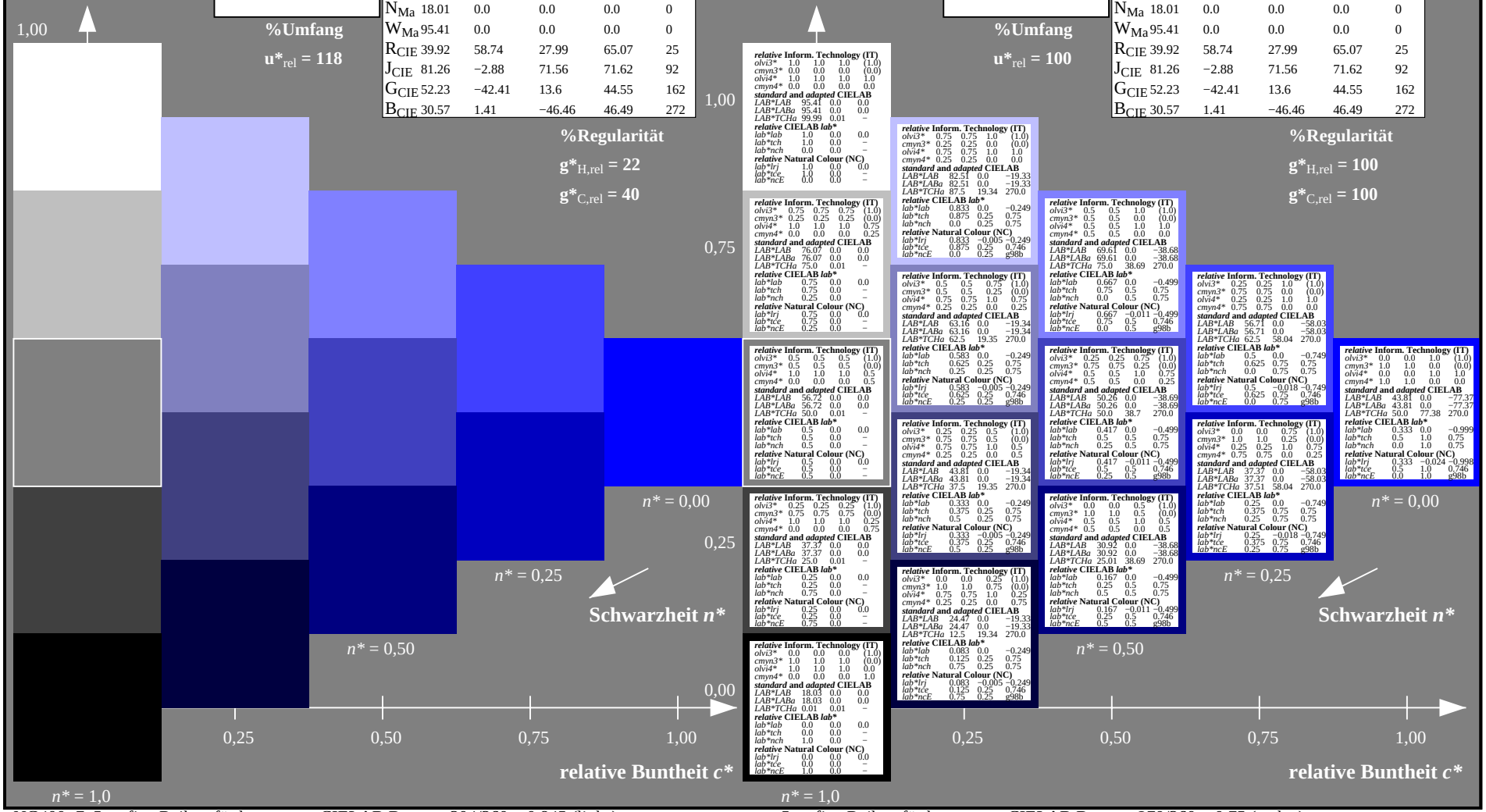


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



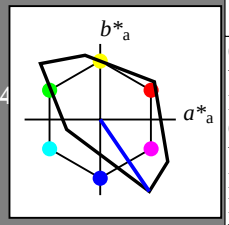
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 304/360 = 0.845***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

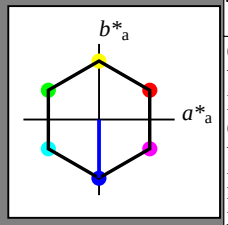
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

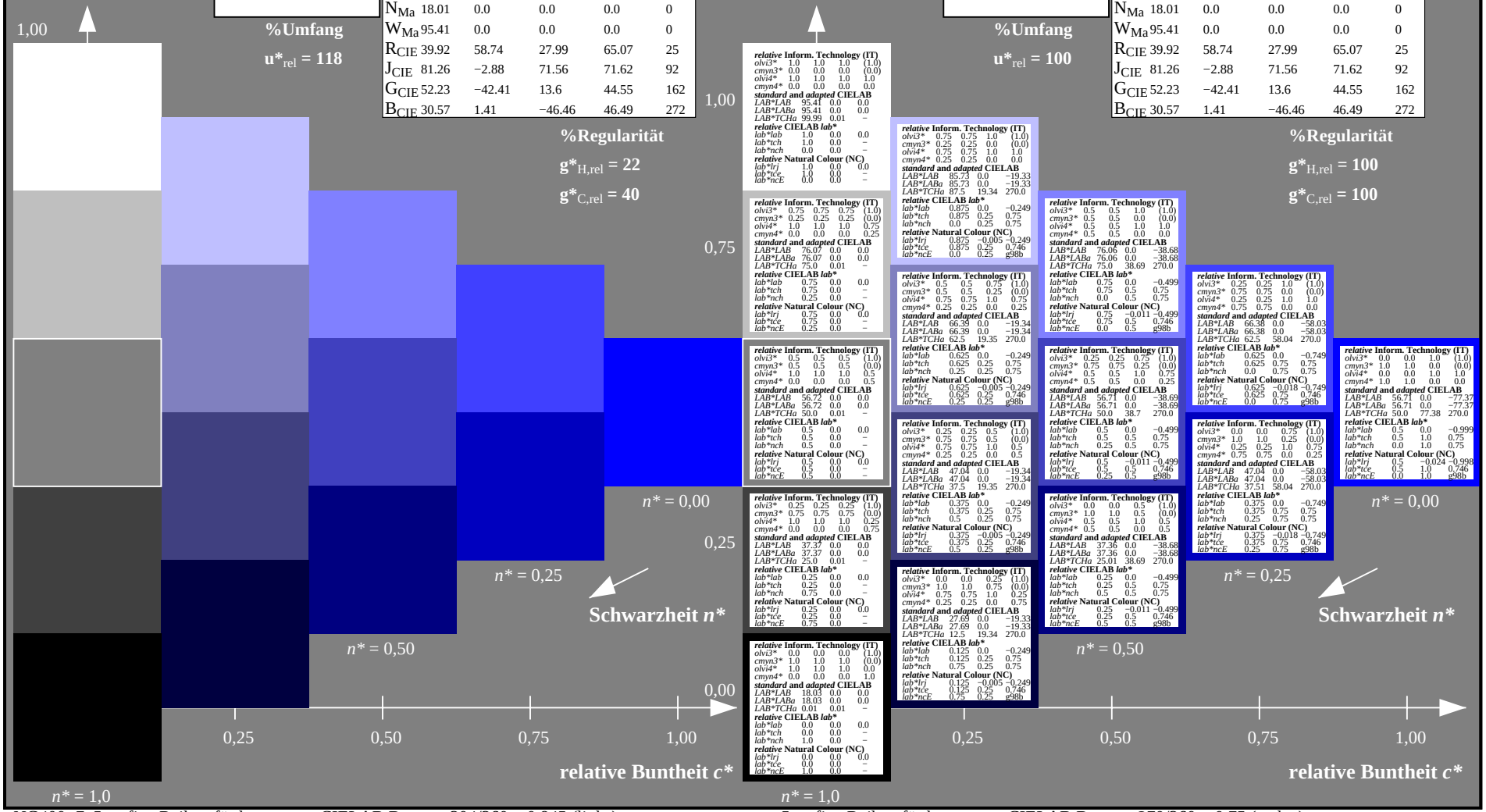
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

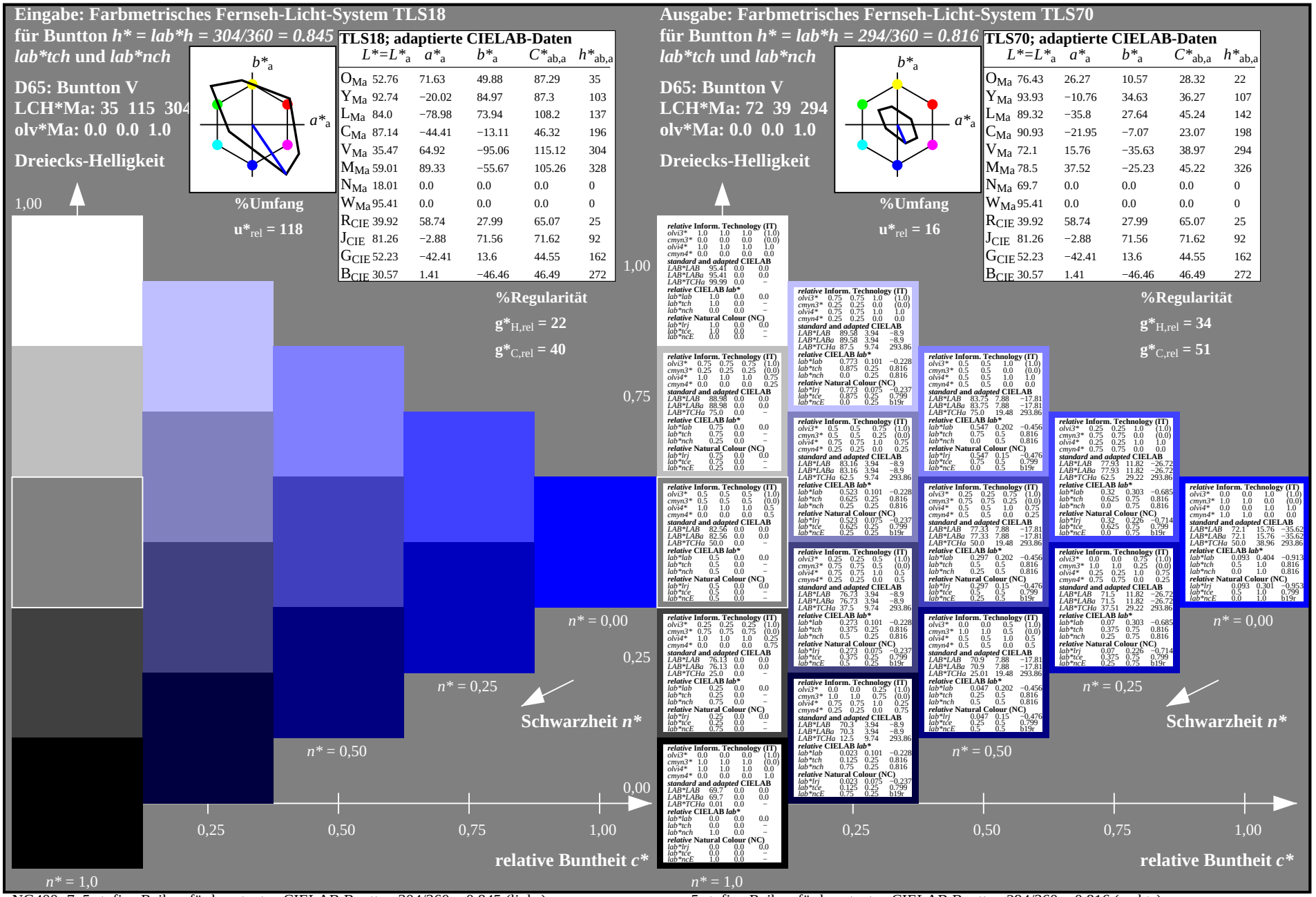
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

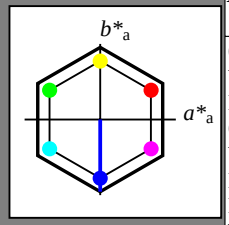
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 32 95 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

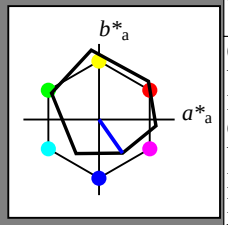
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

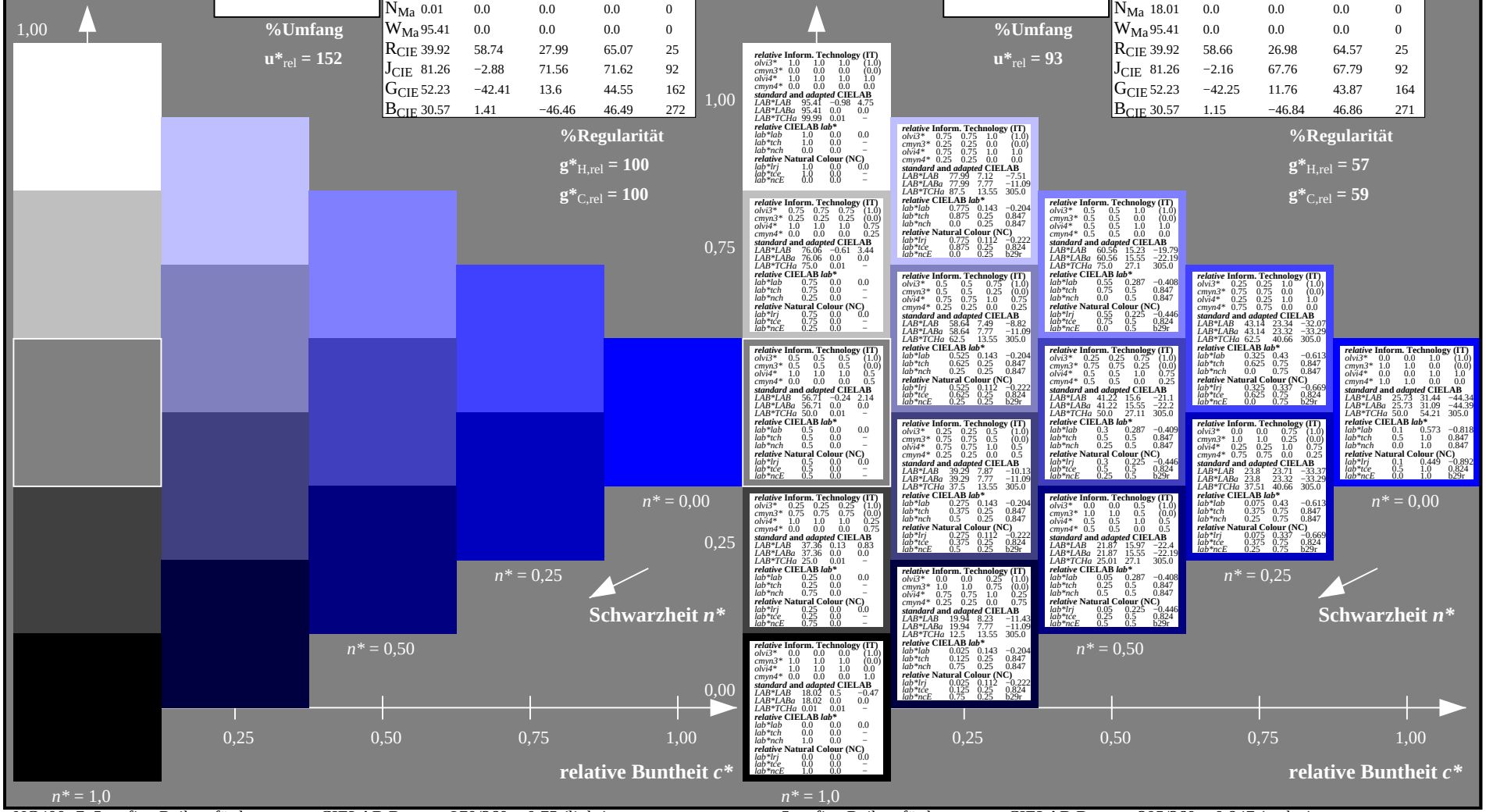


%Umfang
u*rel = 93

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



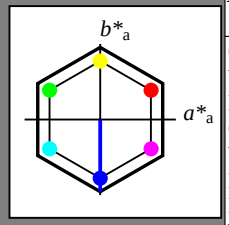
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 32 95 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

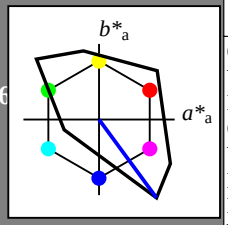
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: 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

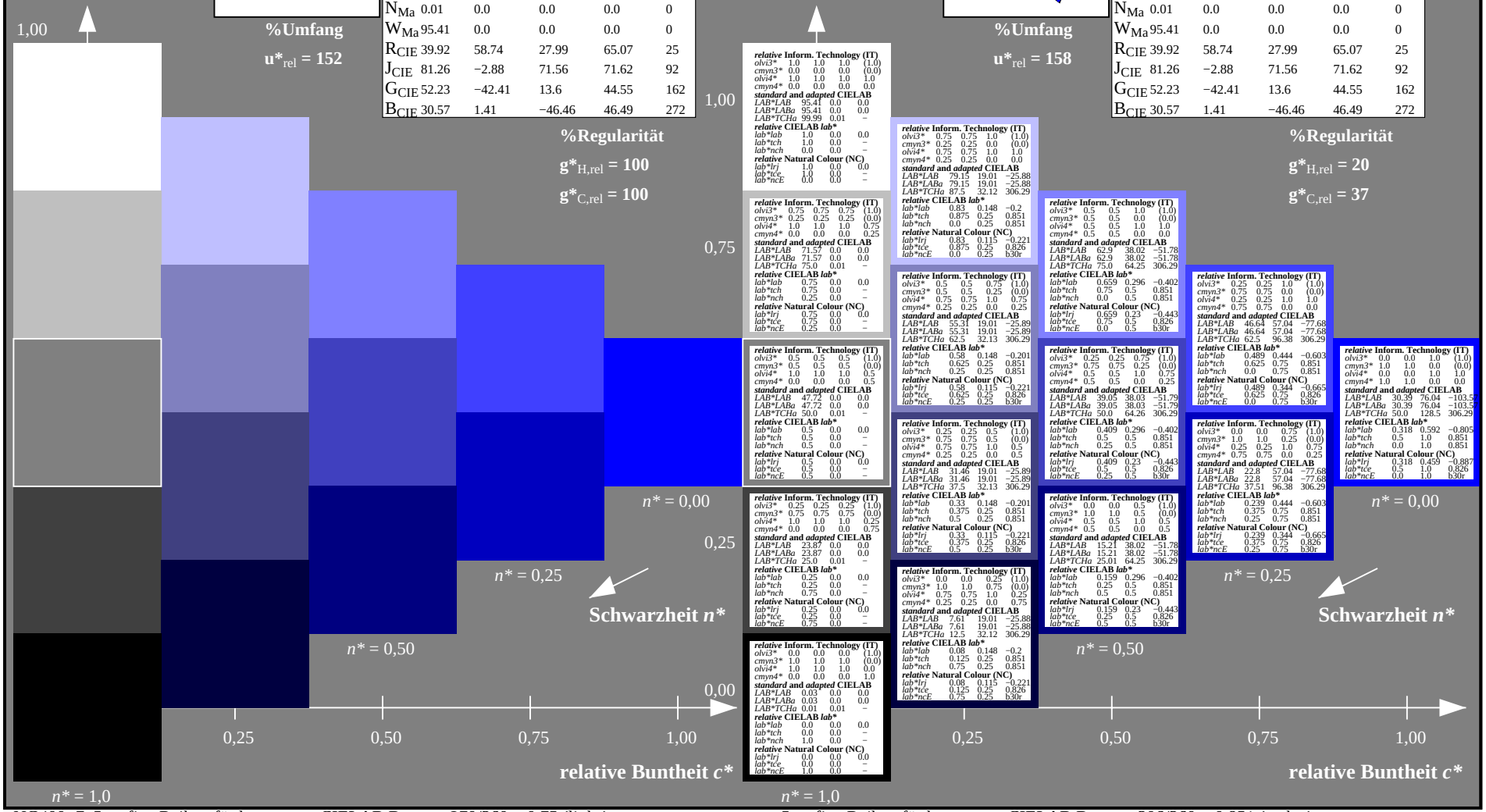


%Umfang
u*rel = 158

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



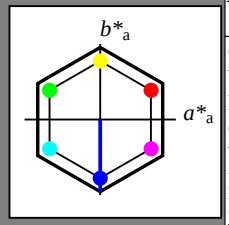
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 32 95 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

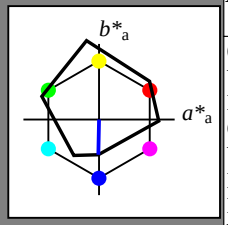
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

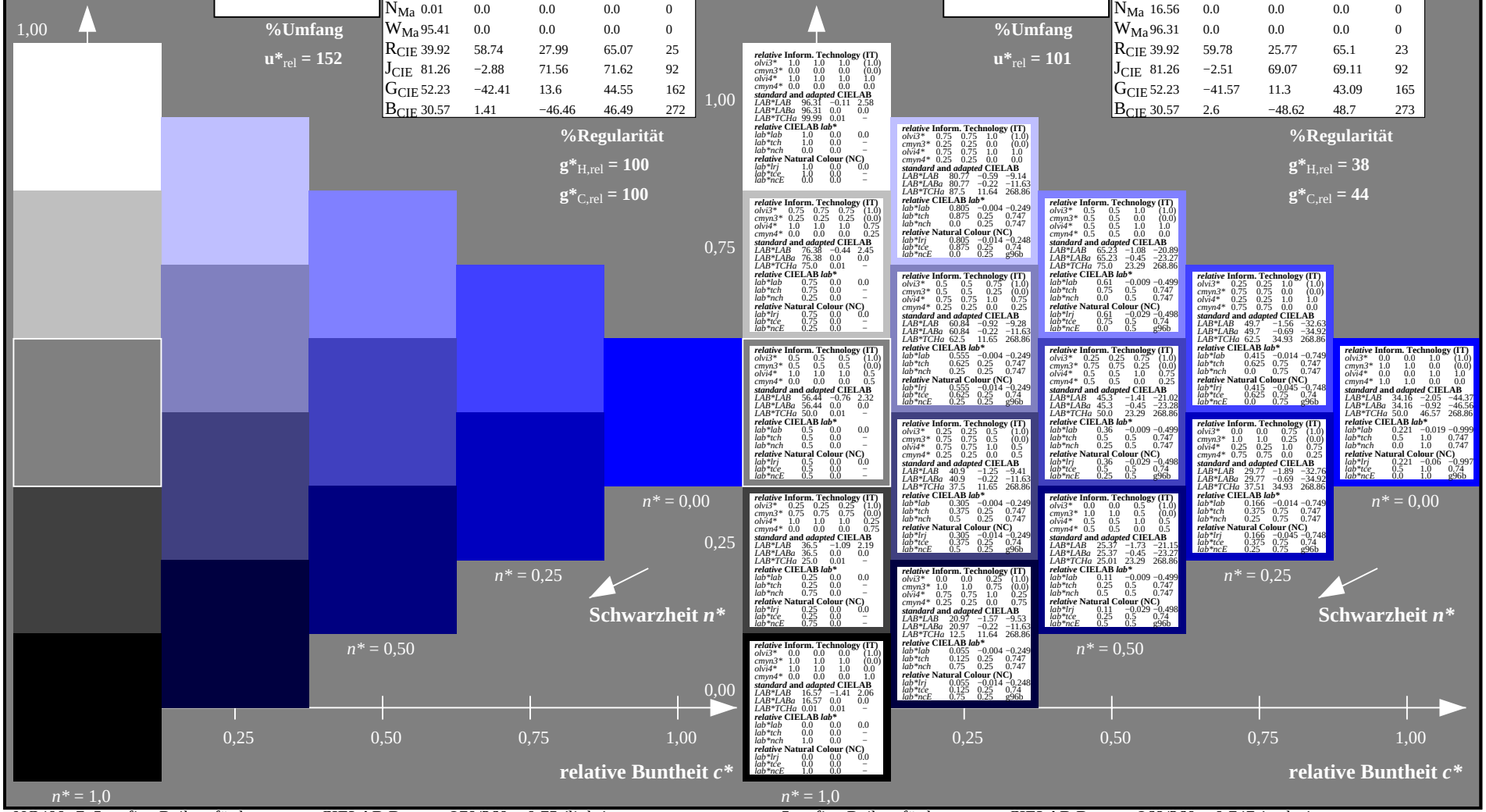


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

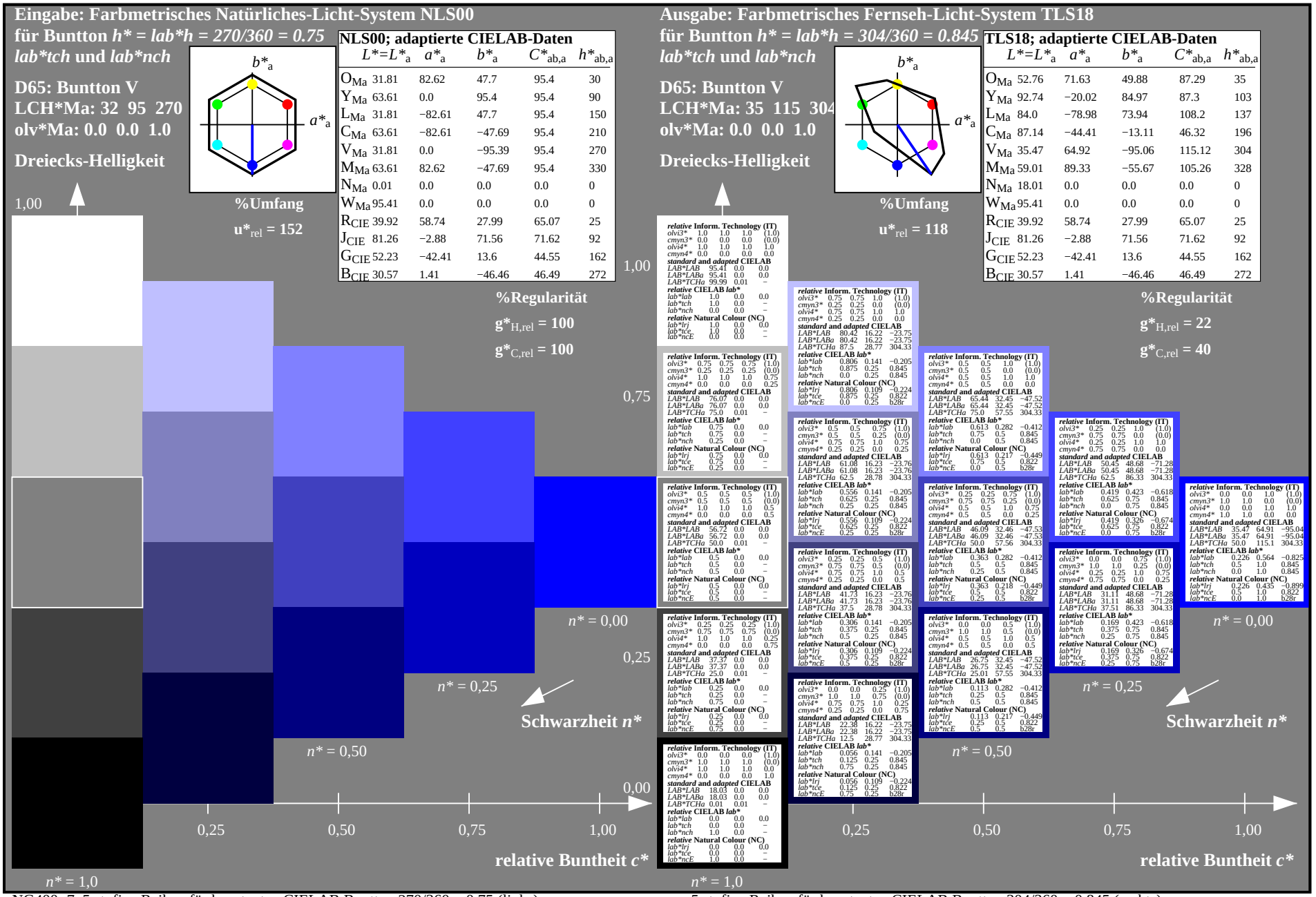
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



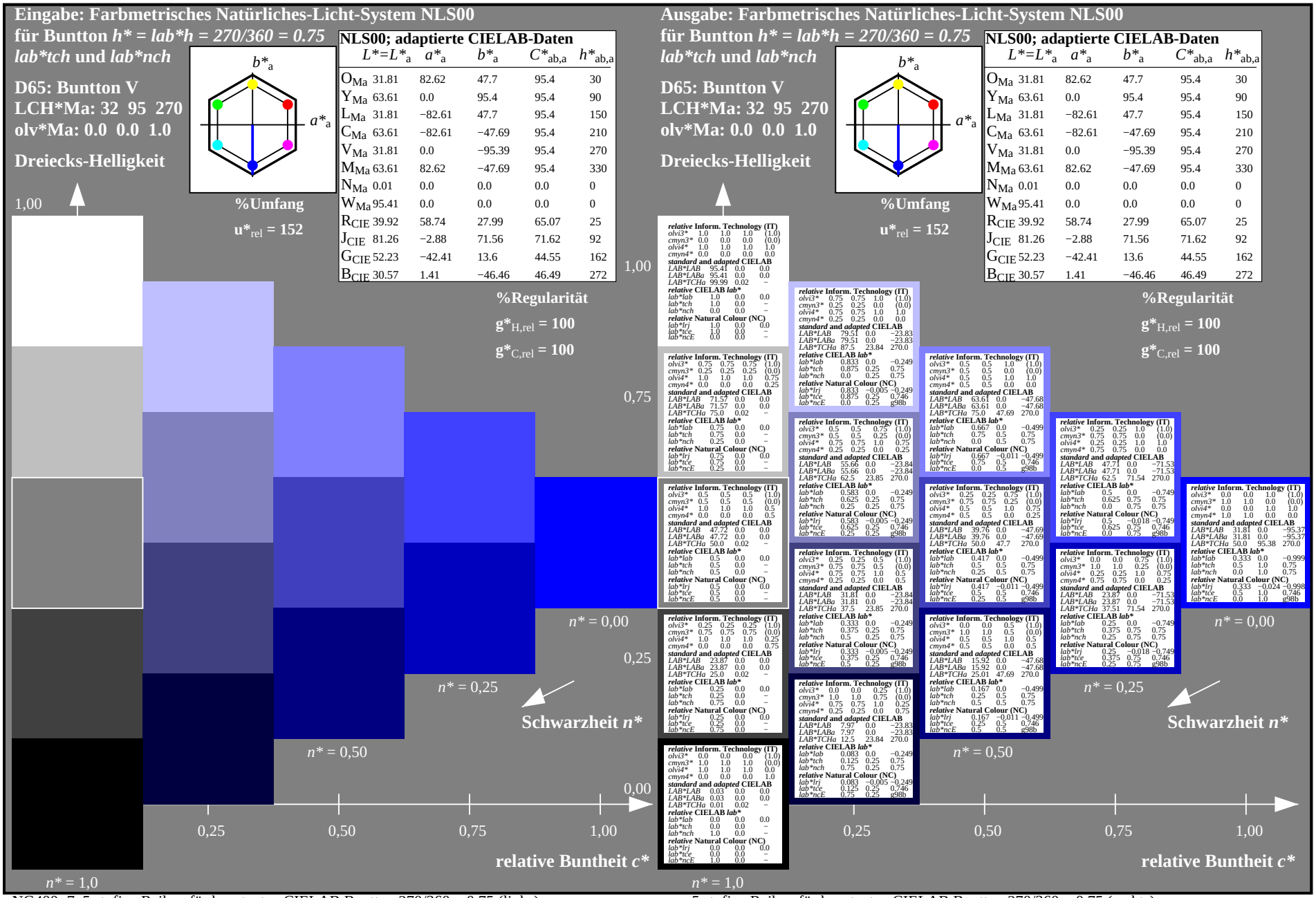
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (rechts)



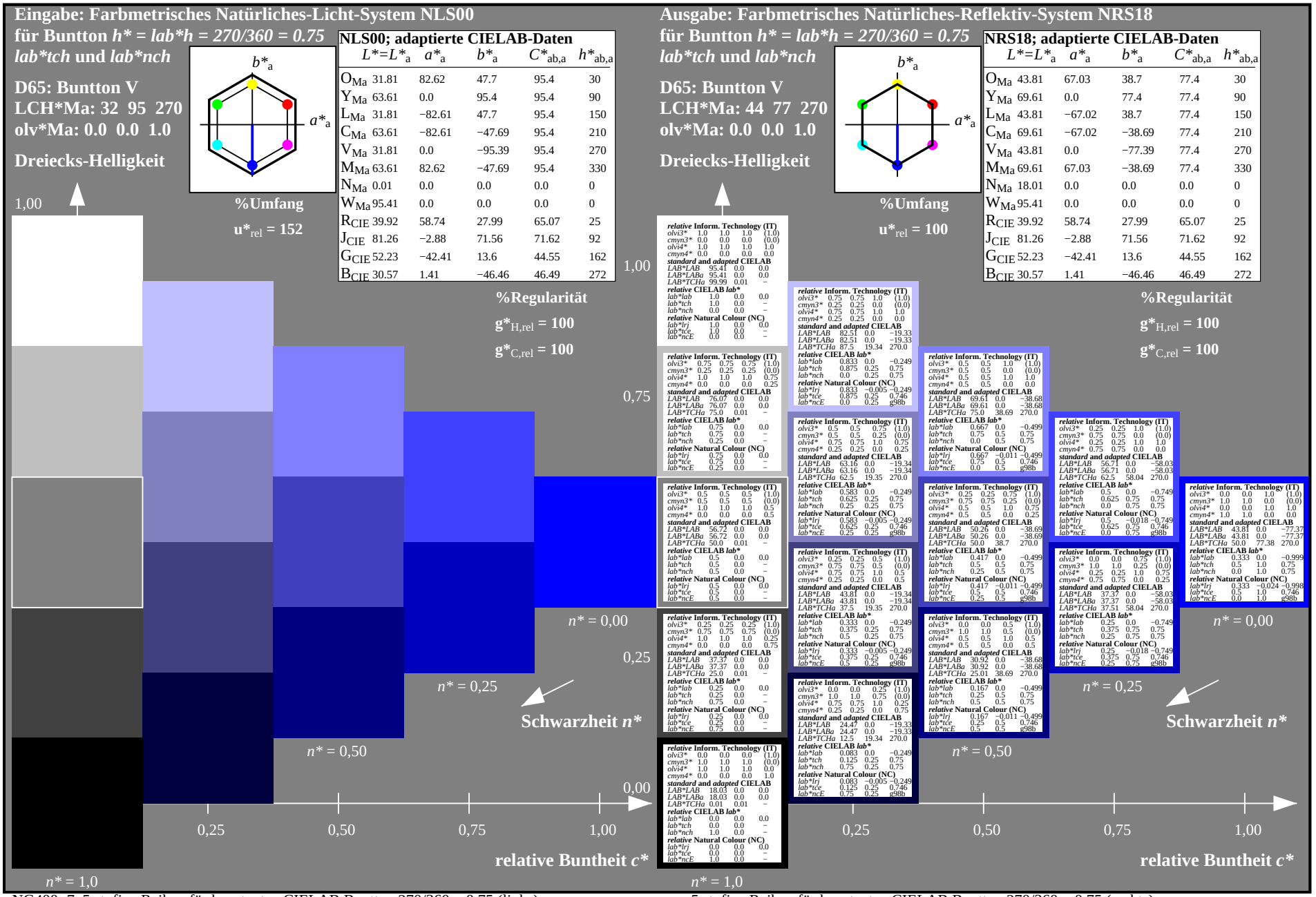
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

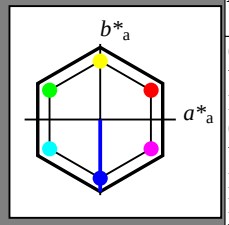
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 32 95 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

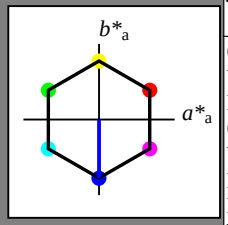
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

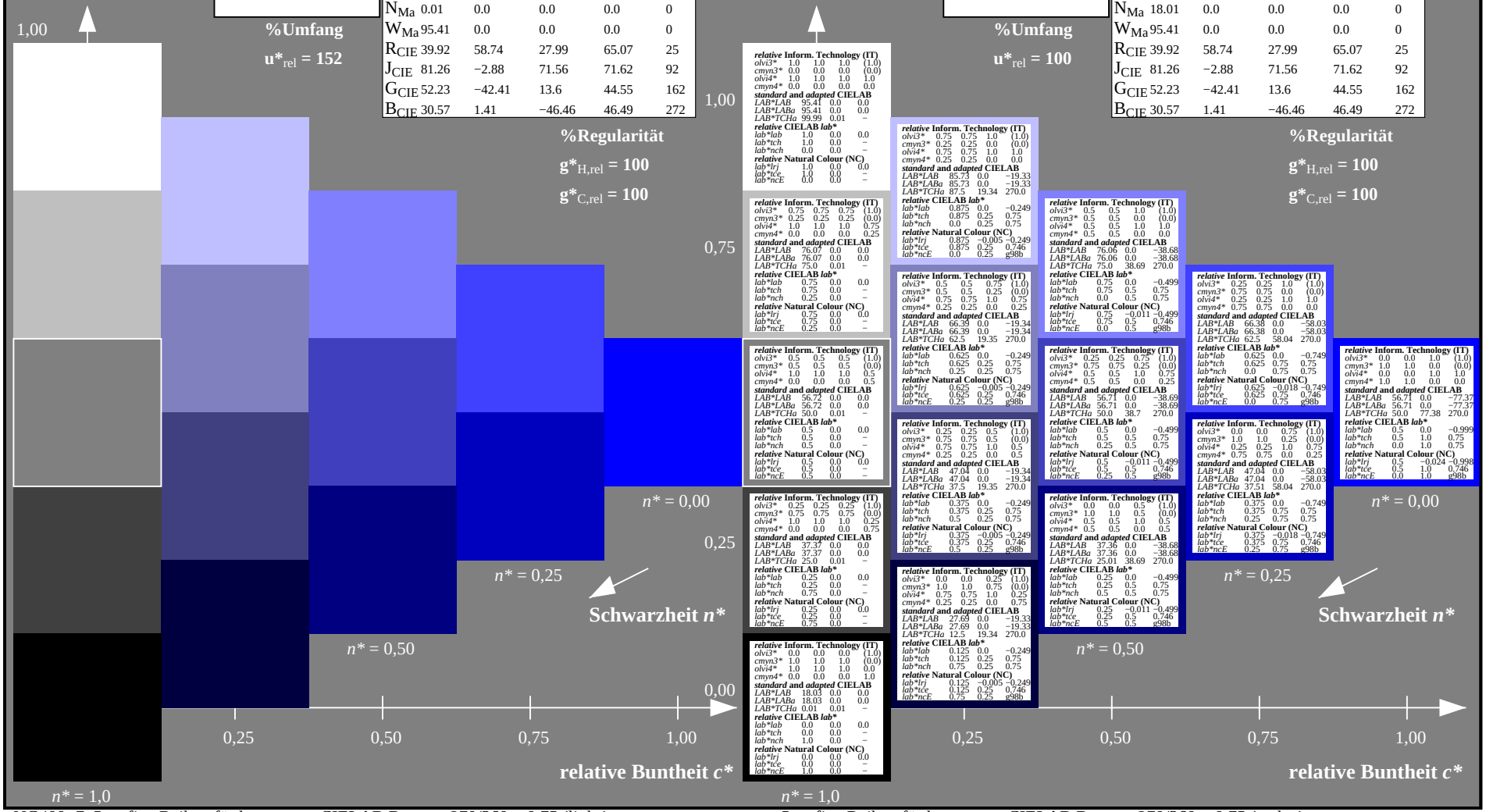


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



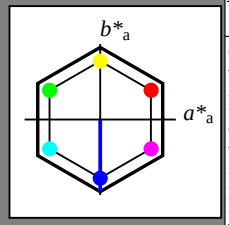
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 32 95 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

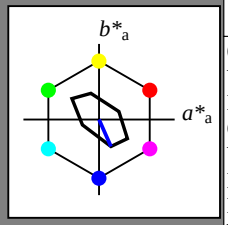
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

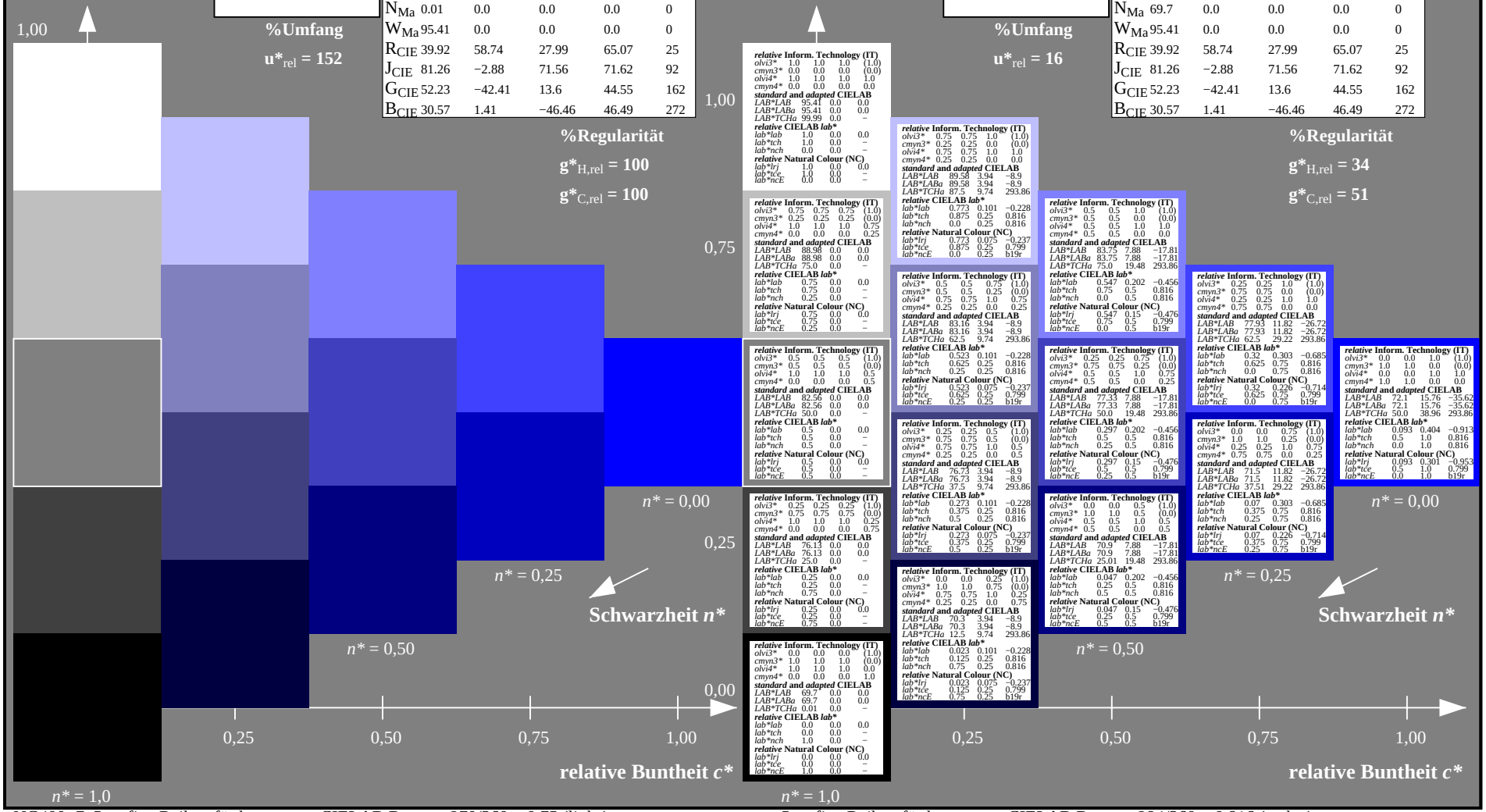


%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

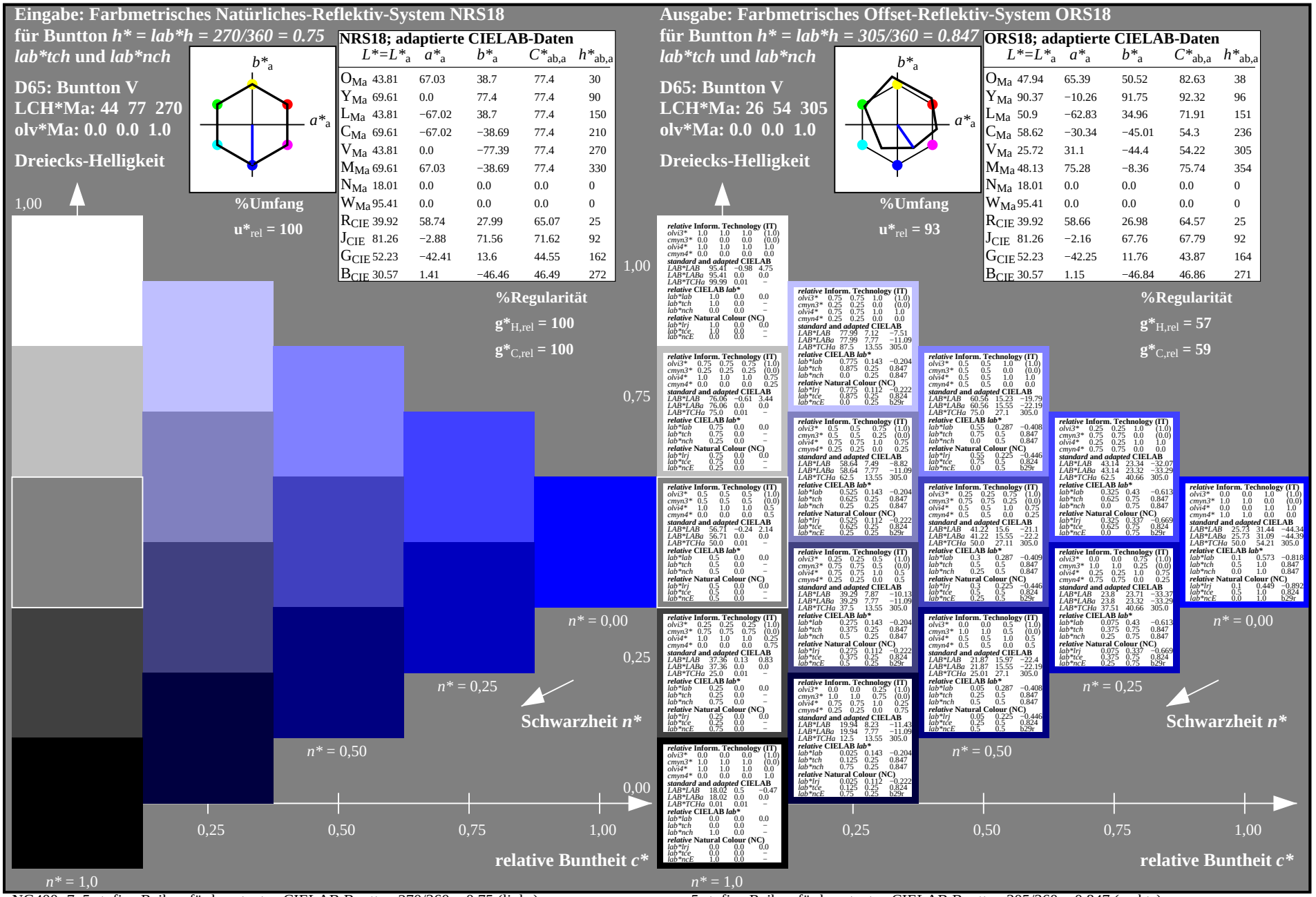
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51



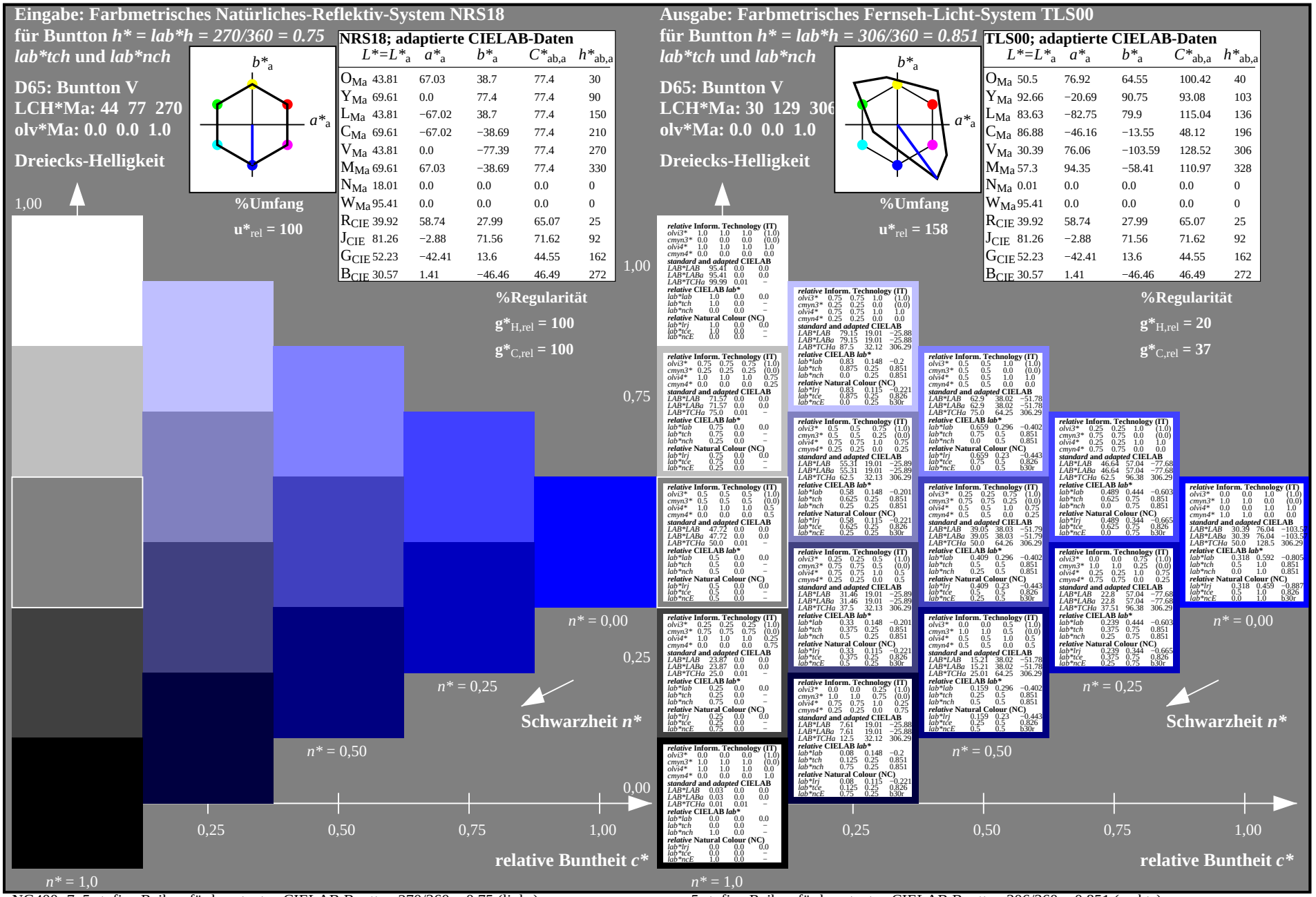
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)



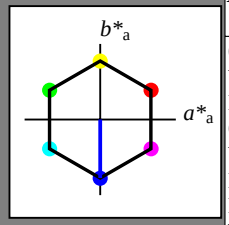
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 270/360 = 0.75***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 44 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

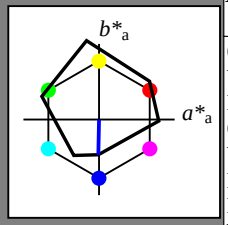
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

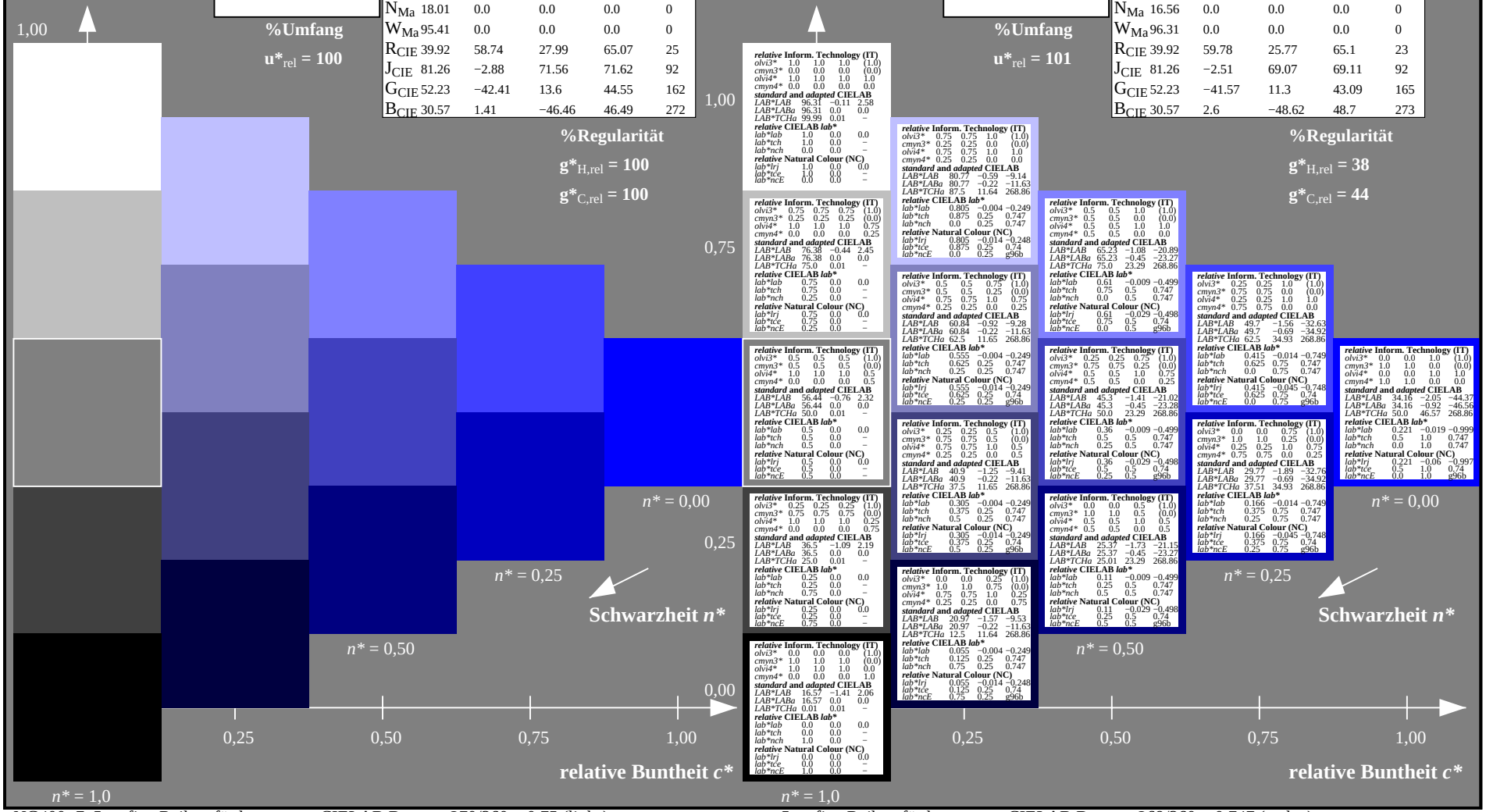


%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

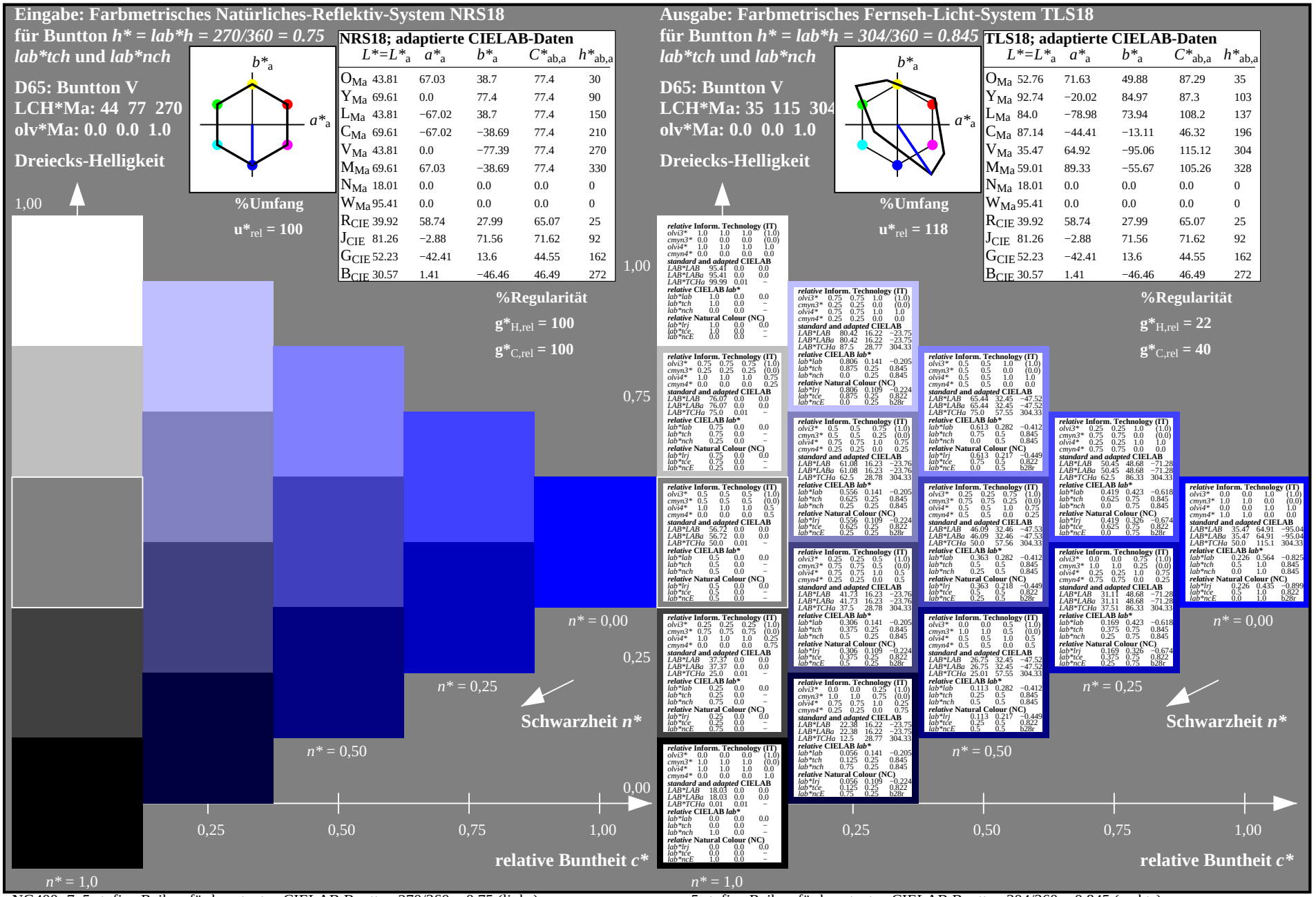
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (rechts)



NRS18; adaptierte CIELAB-Daten

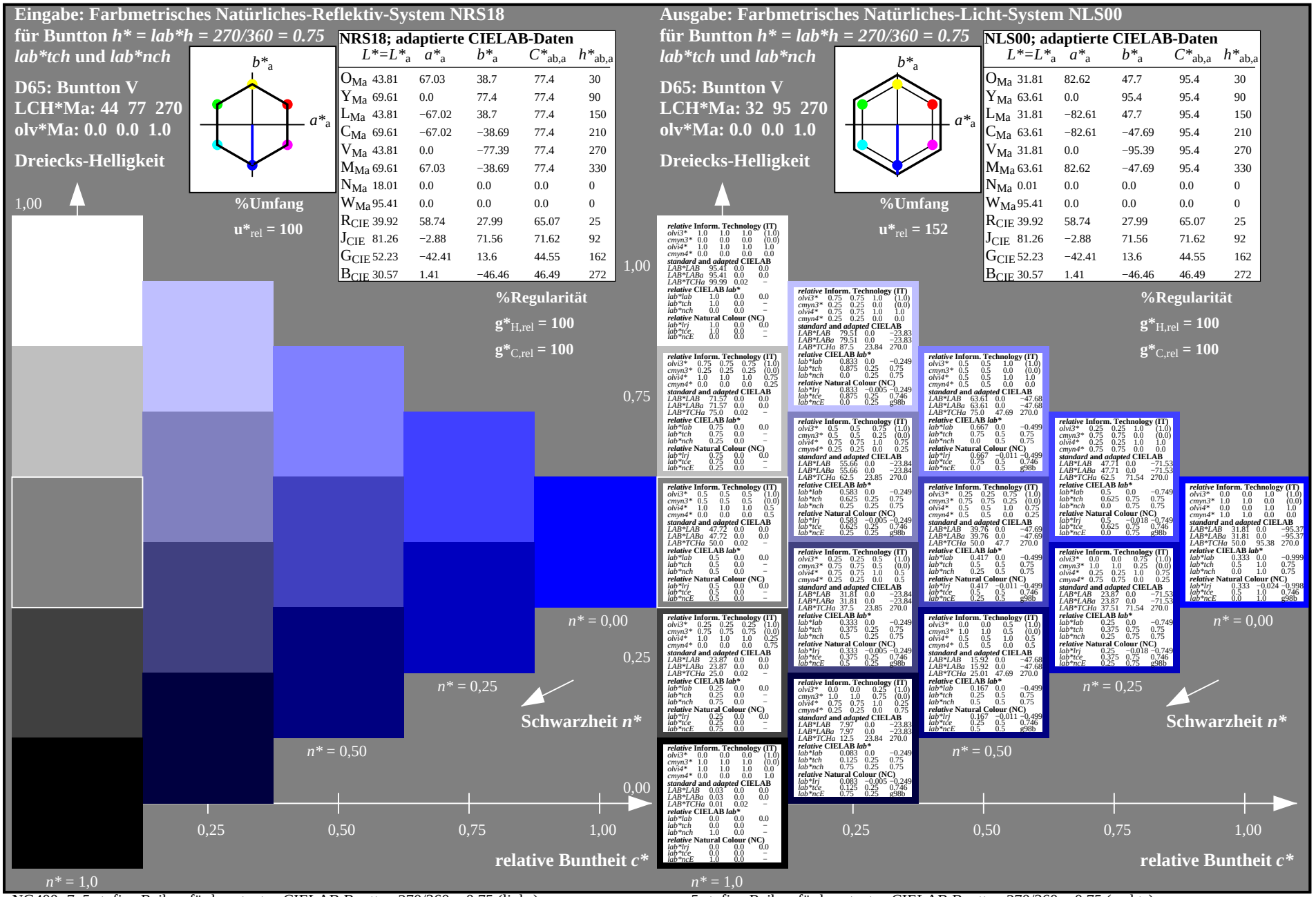
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)



NRS18; adaptierte CIELAB-Daten

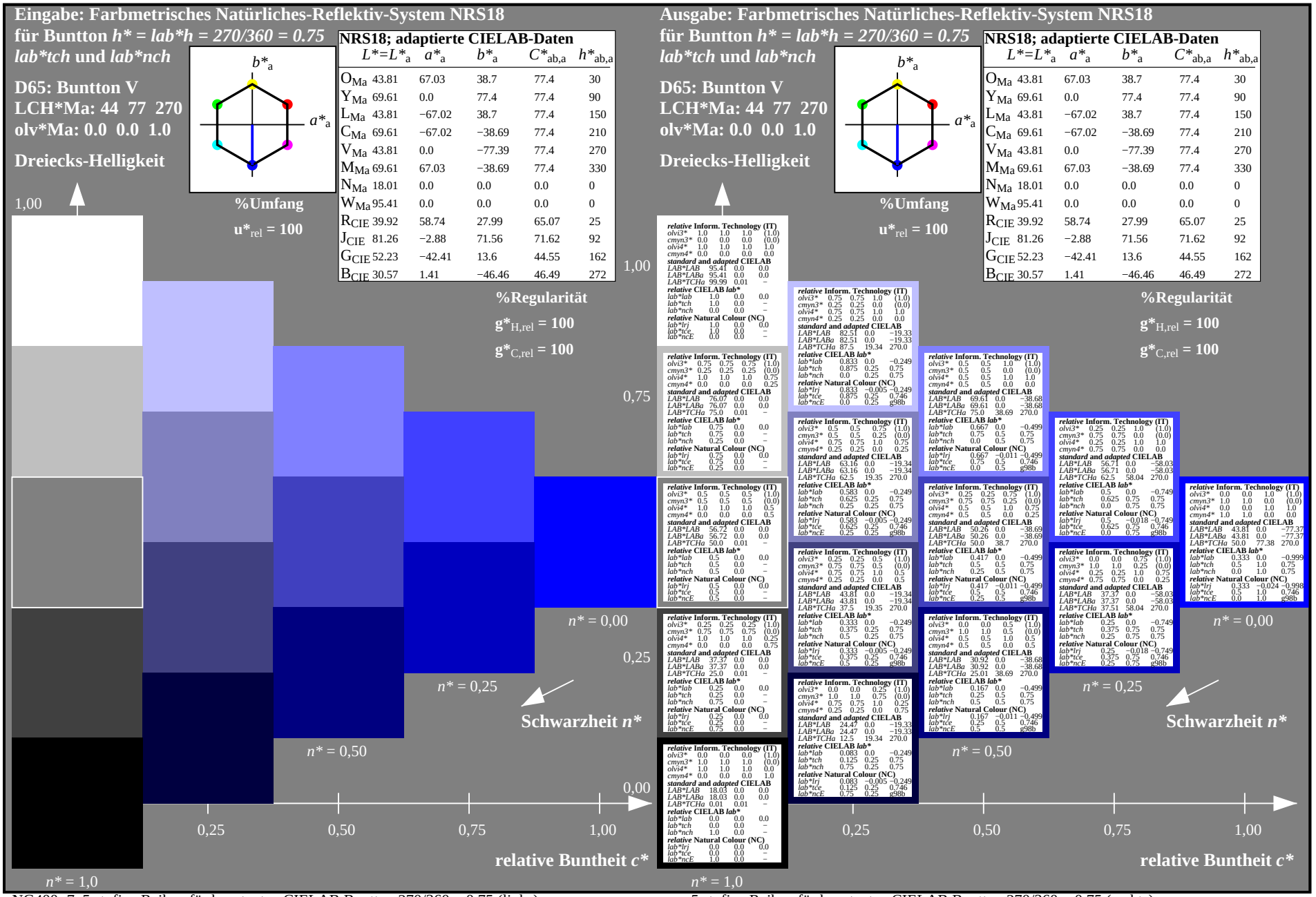
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

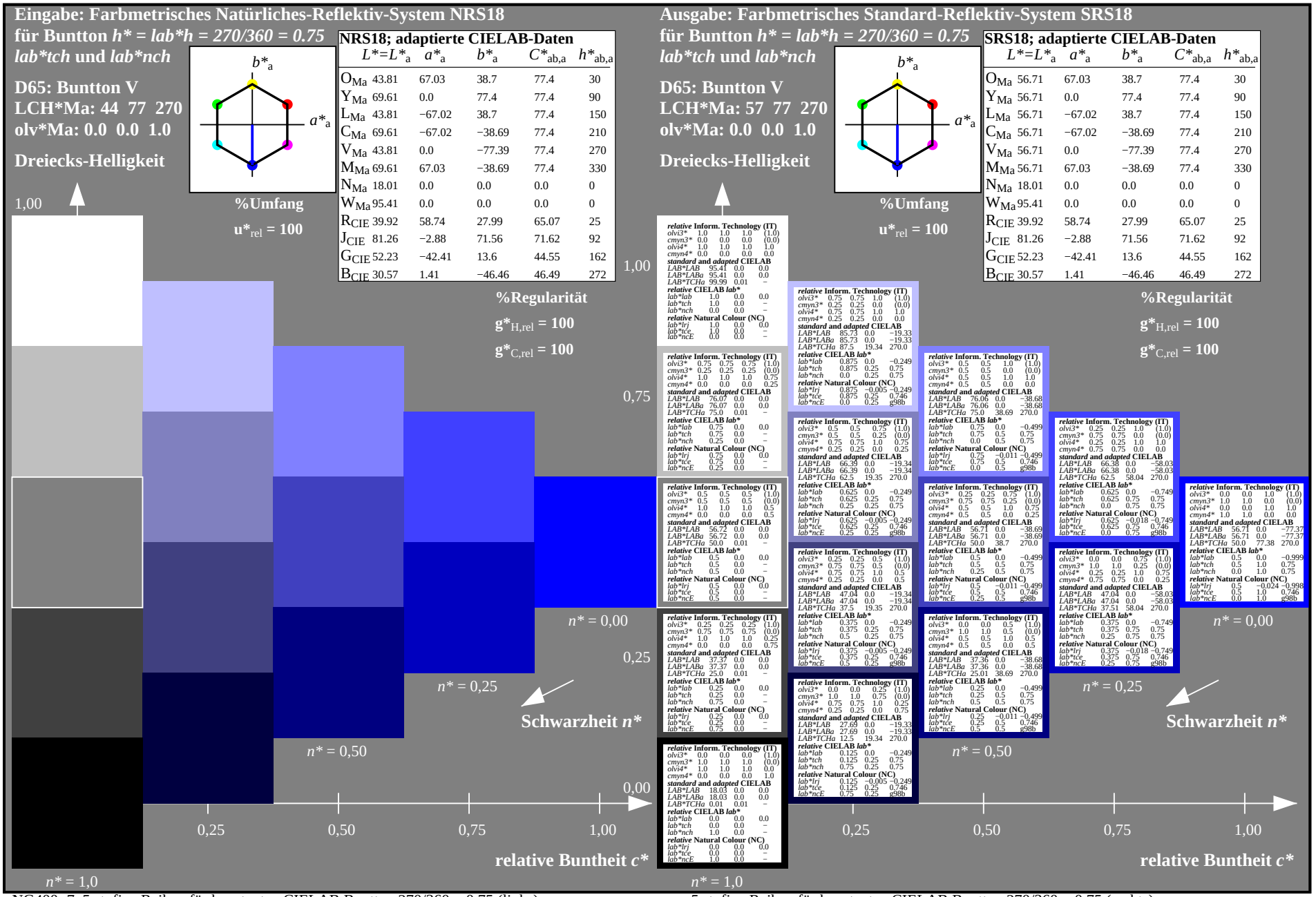
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



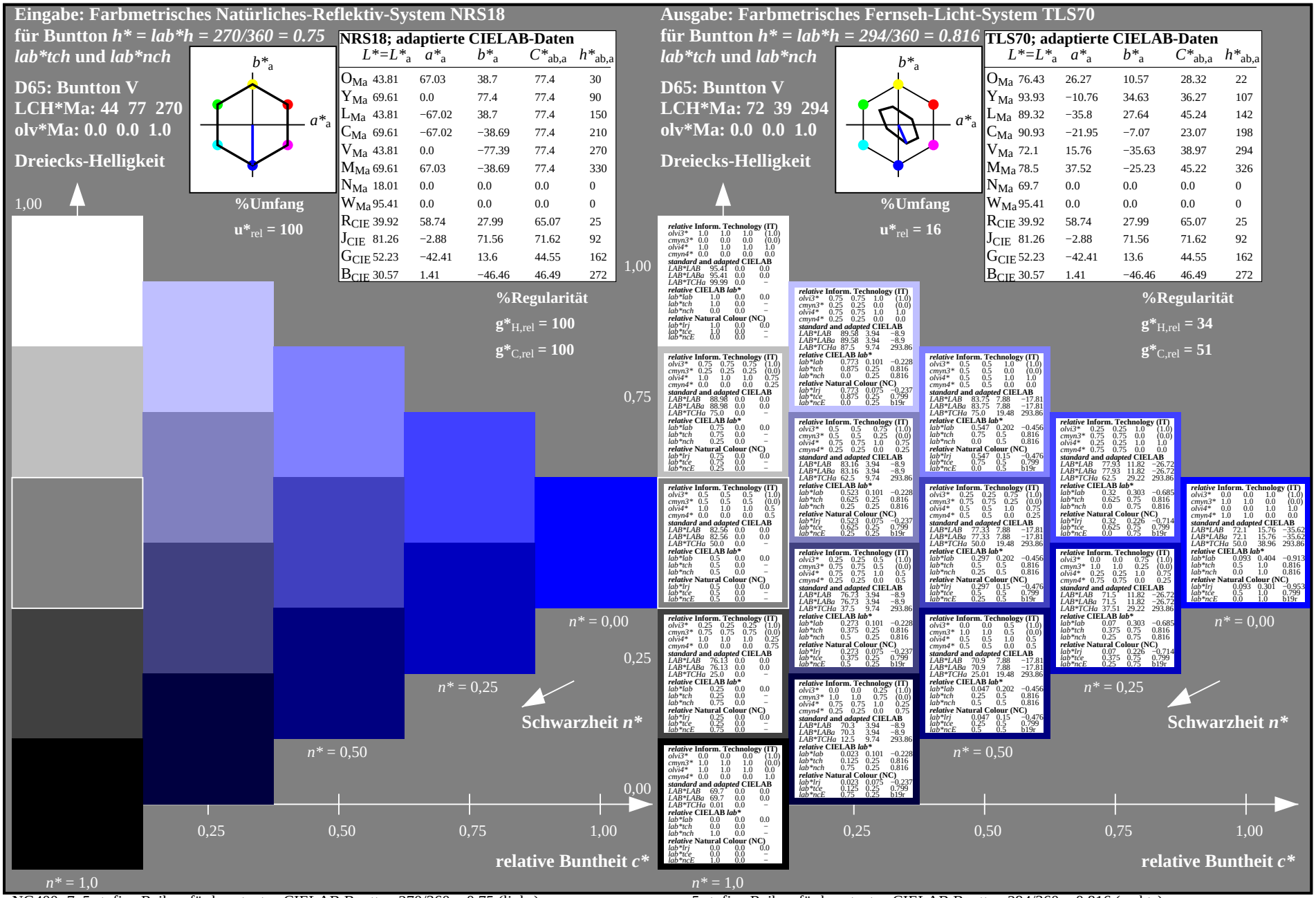
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

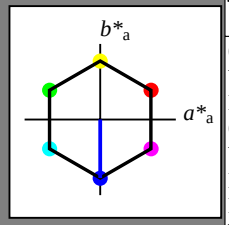
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

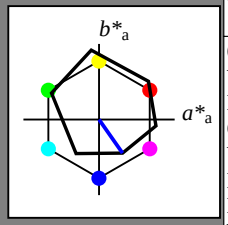
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

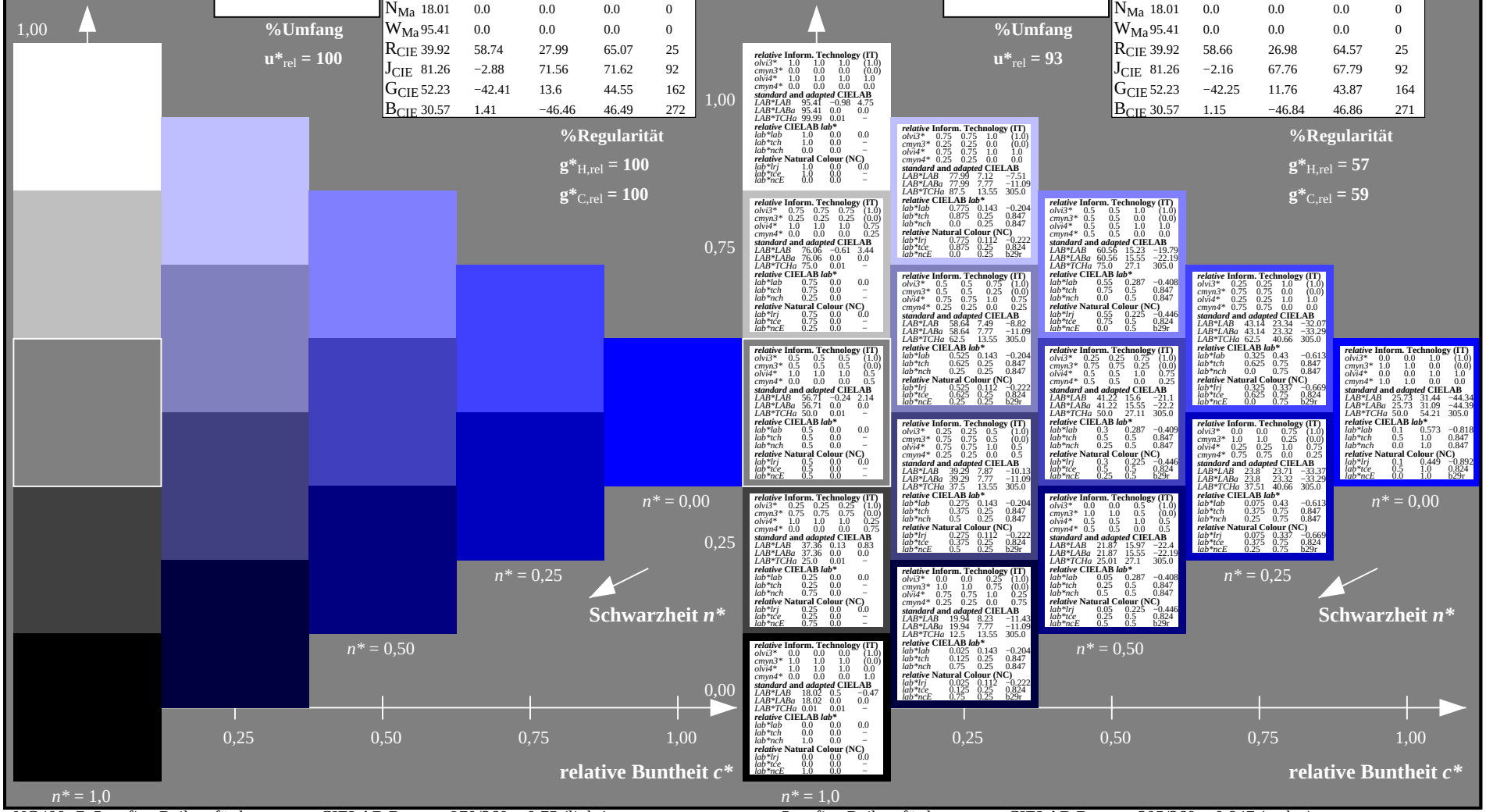


%Umfang
u*rel = 93

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



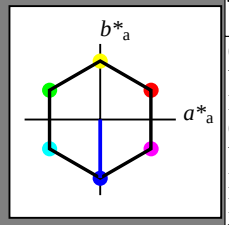
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

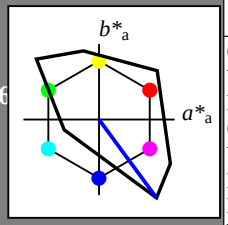
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: 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

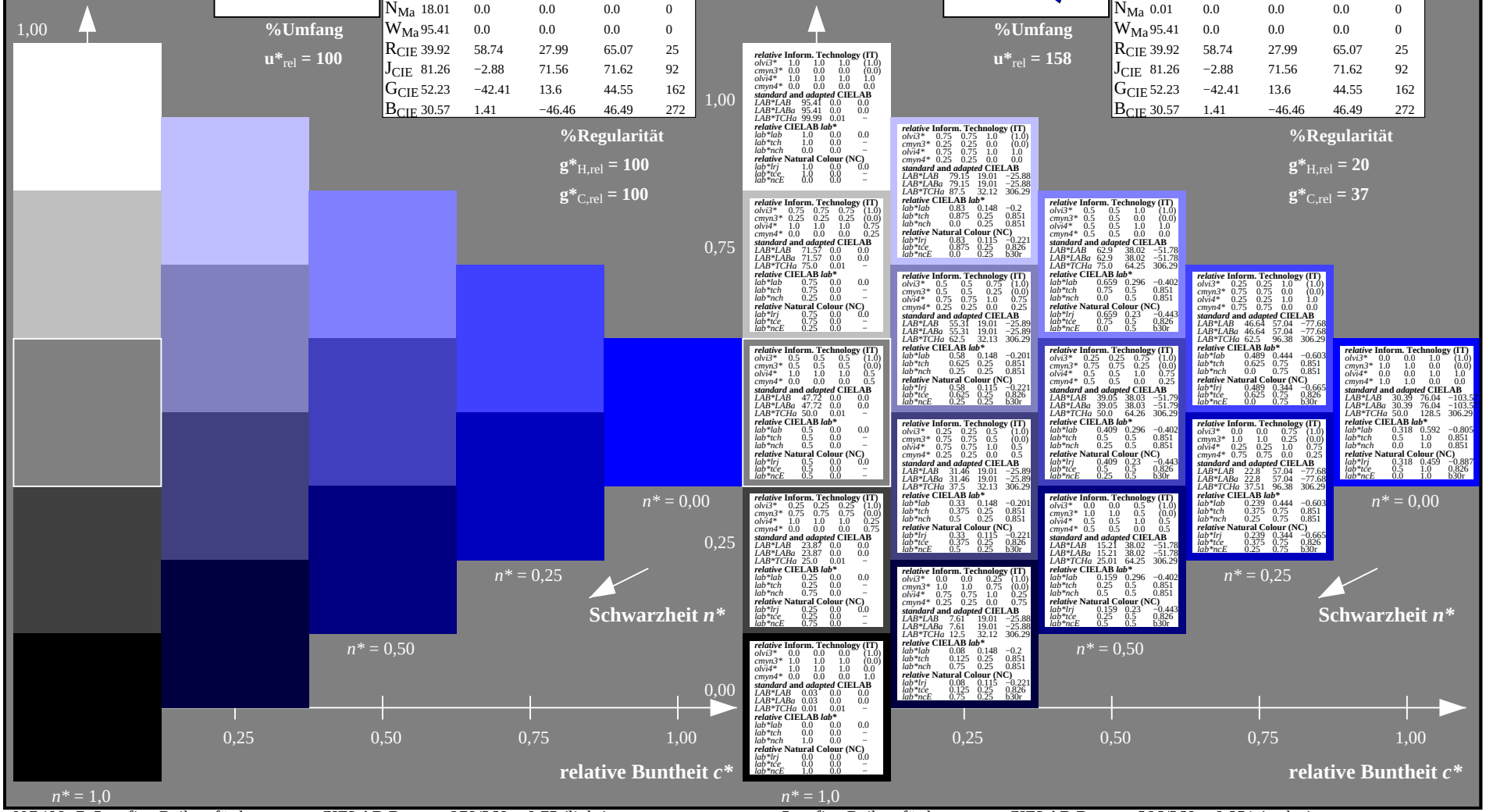


%Umfang
u*rel = 158

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



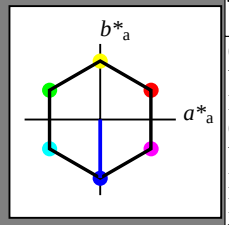
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

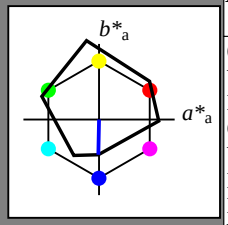
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

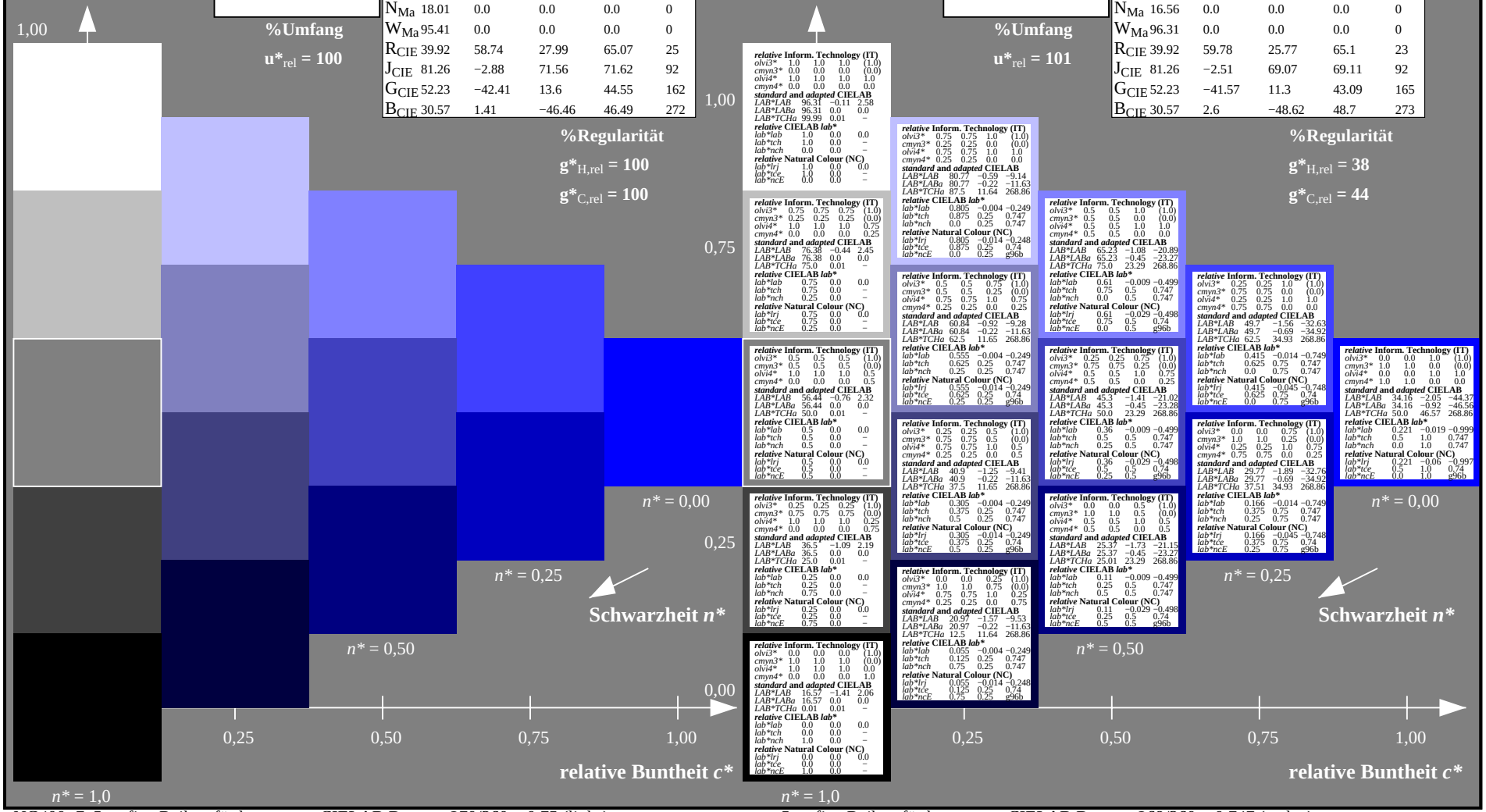


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

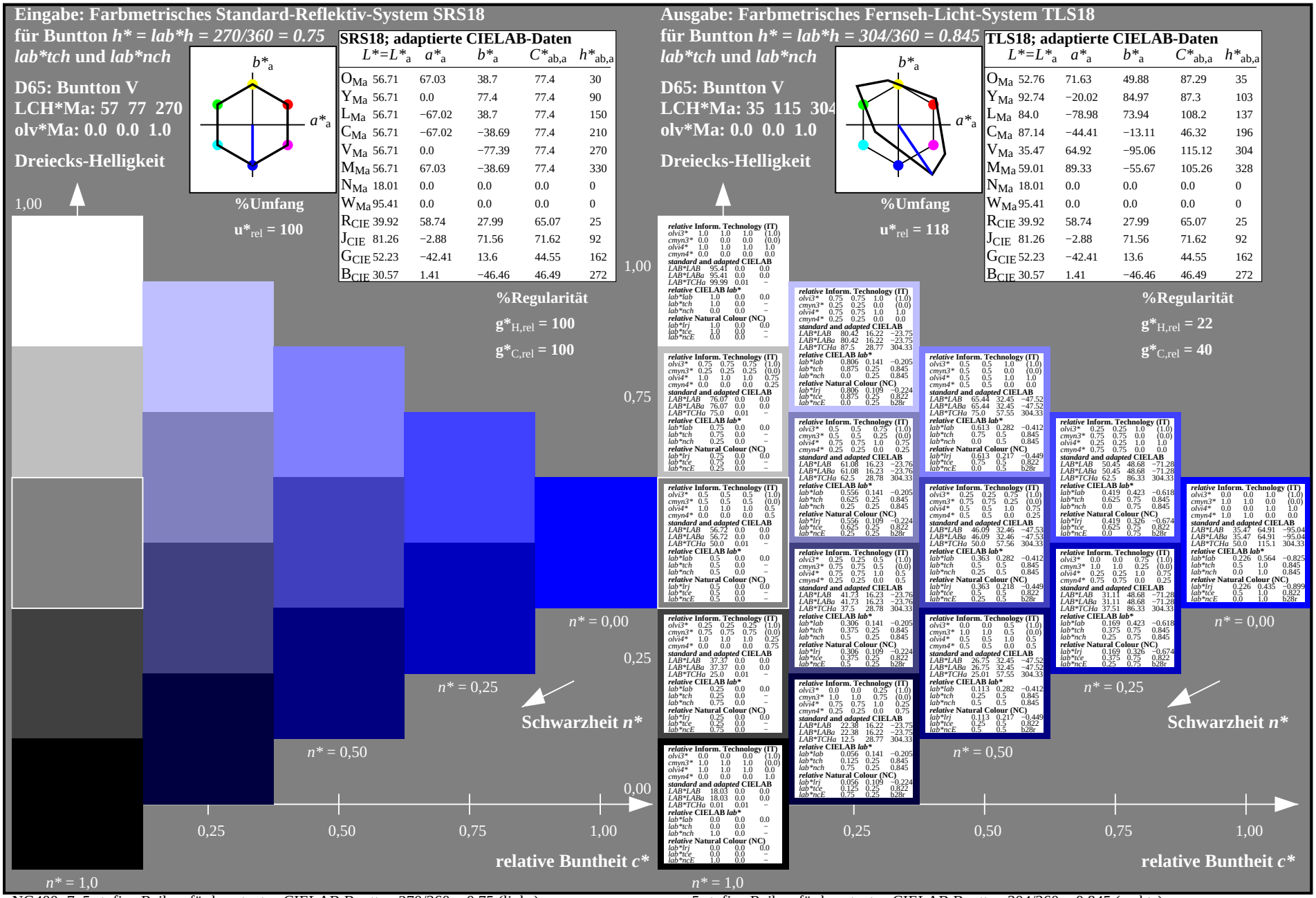
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



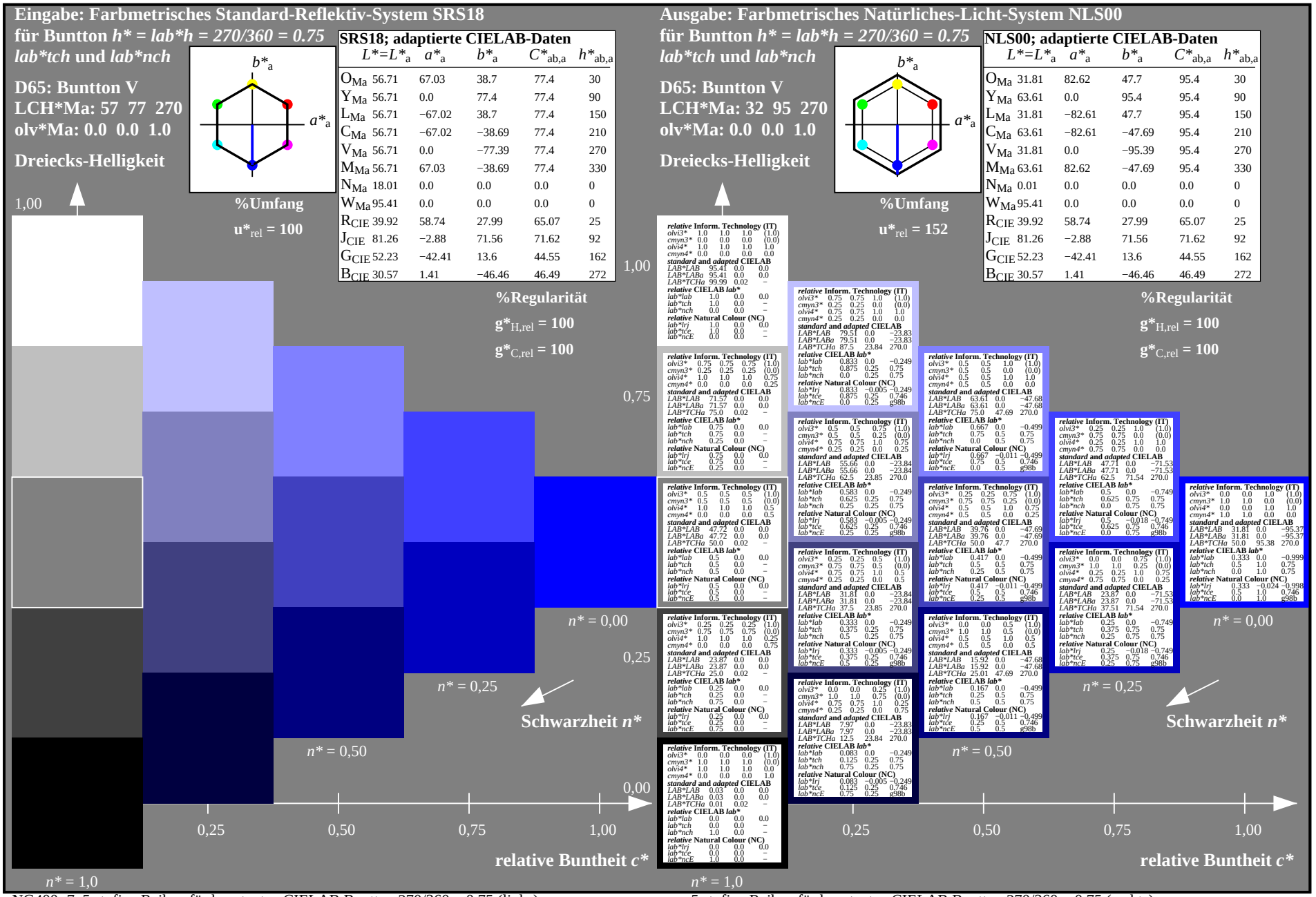
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (rechts)



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)



SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

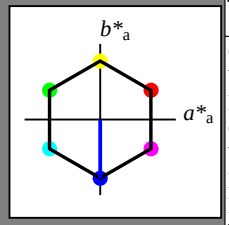
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 270/360 = 0.75*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

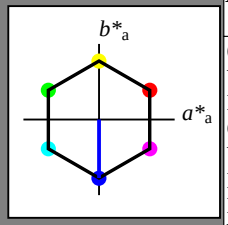
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 270/360 = 0.75*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 44 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

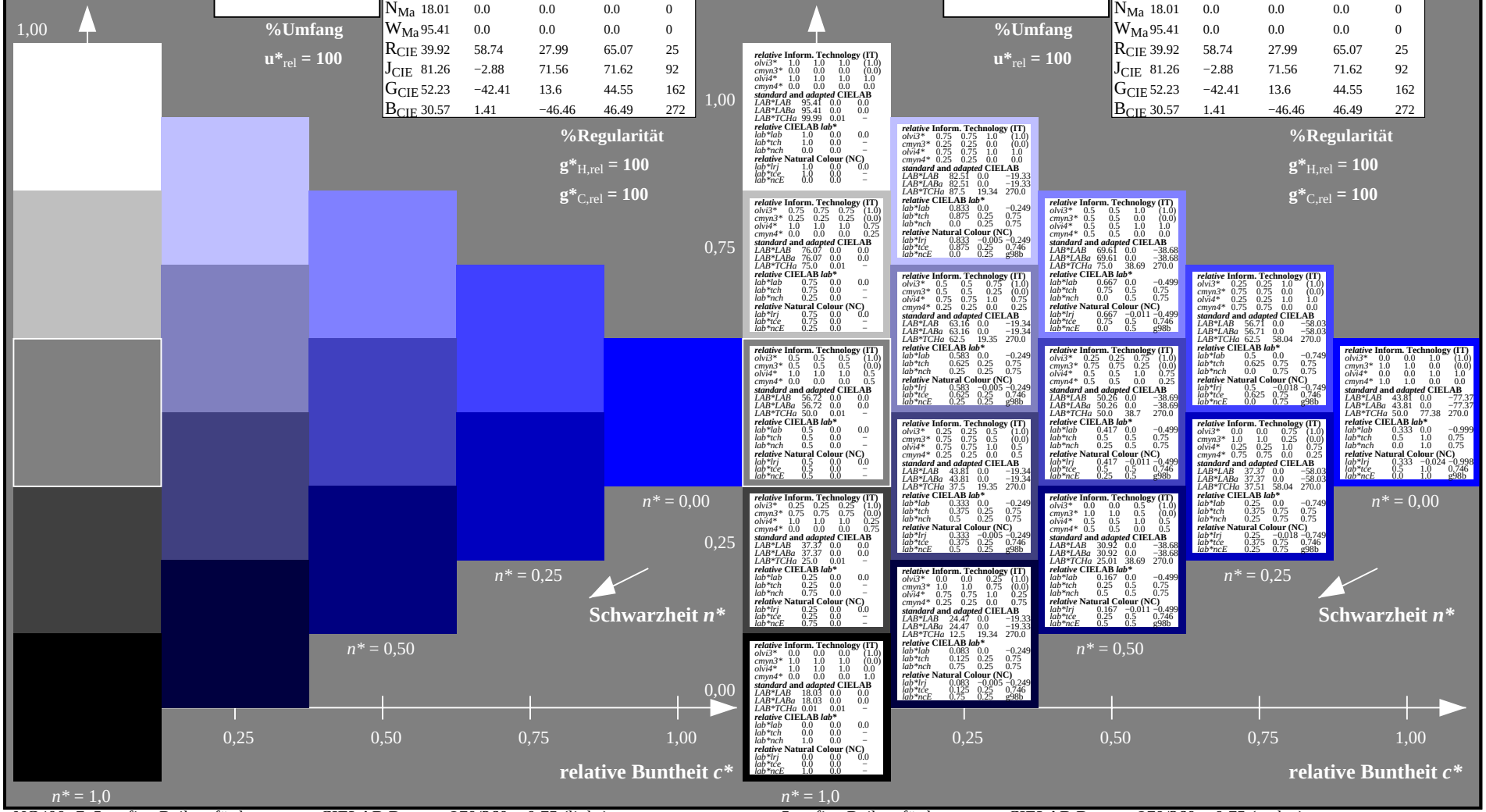


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

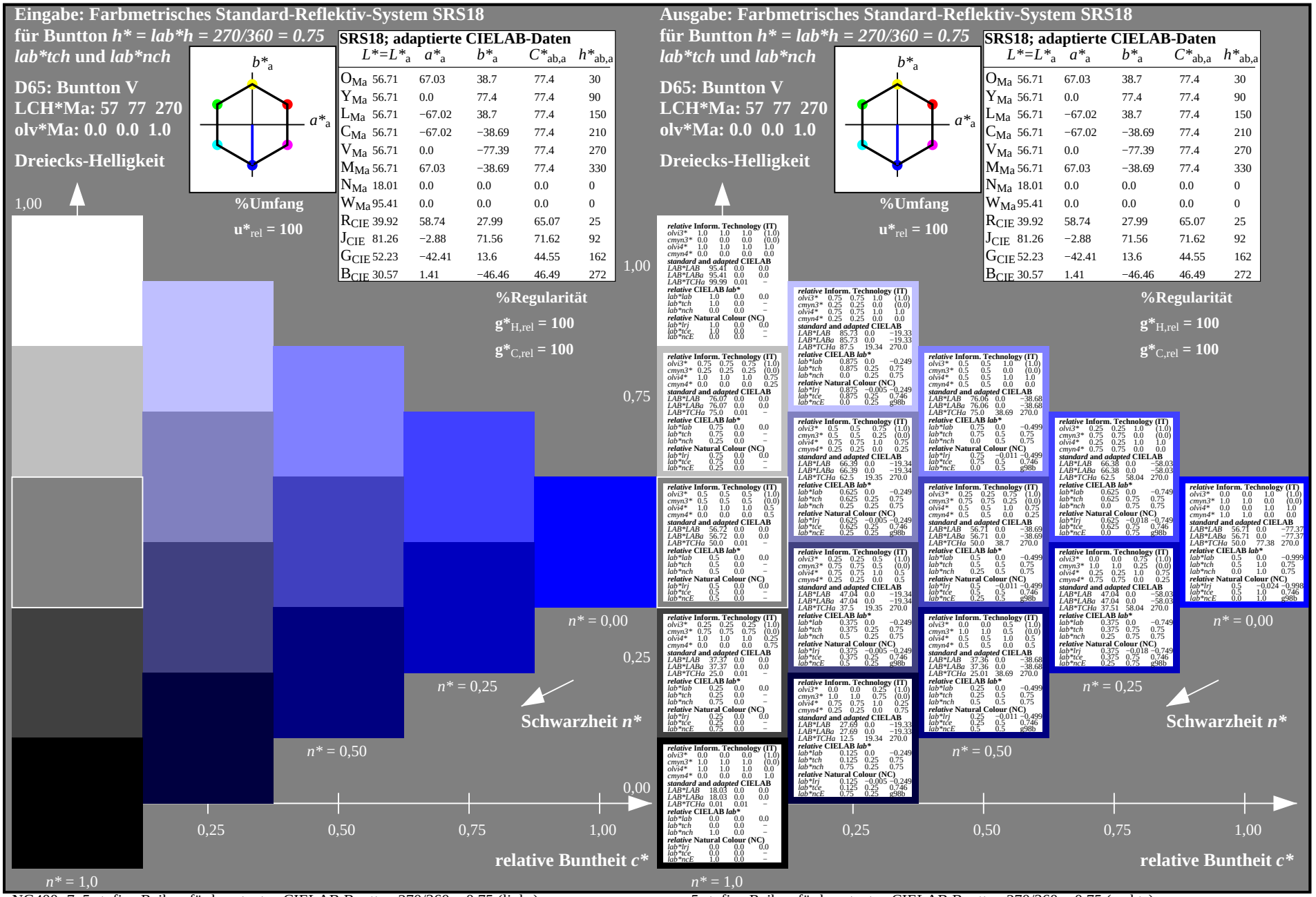
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



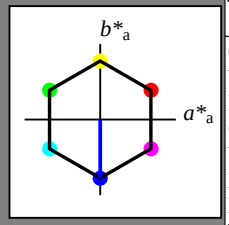
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

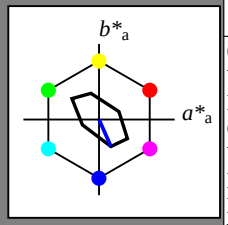
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

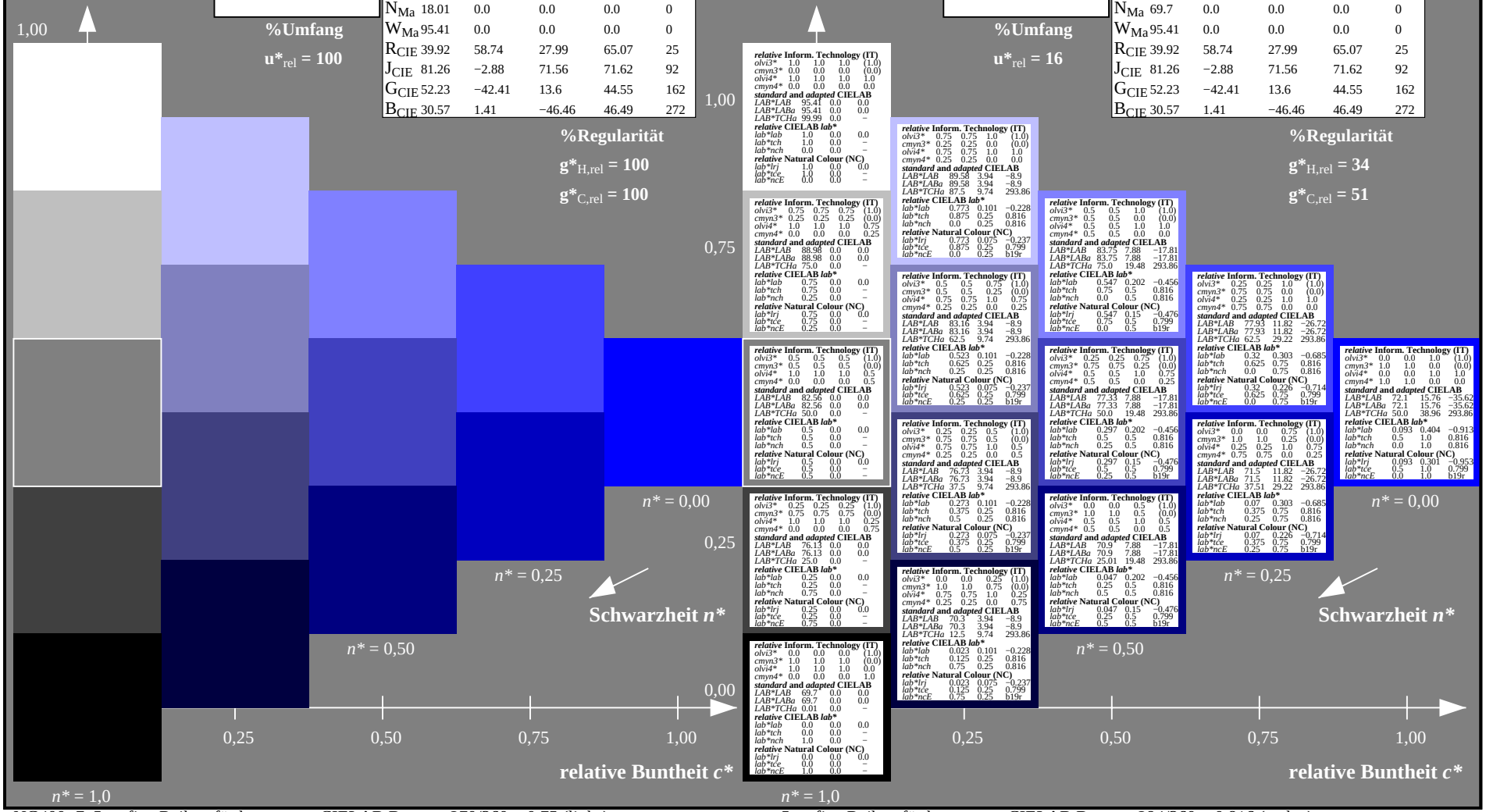


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



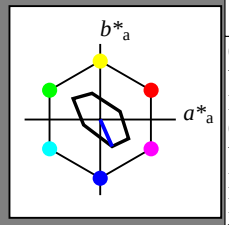
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 294/360 = 0.816*
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

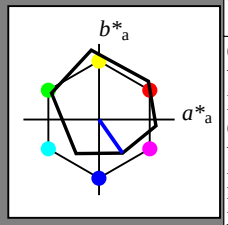
g*H,rel = 34

g*C,rel = 51

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



%Umfang

u*rel = 93

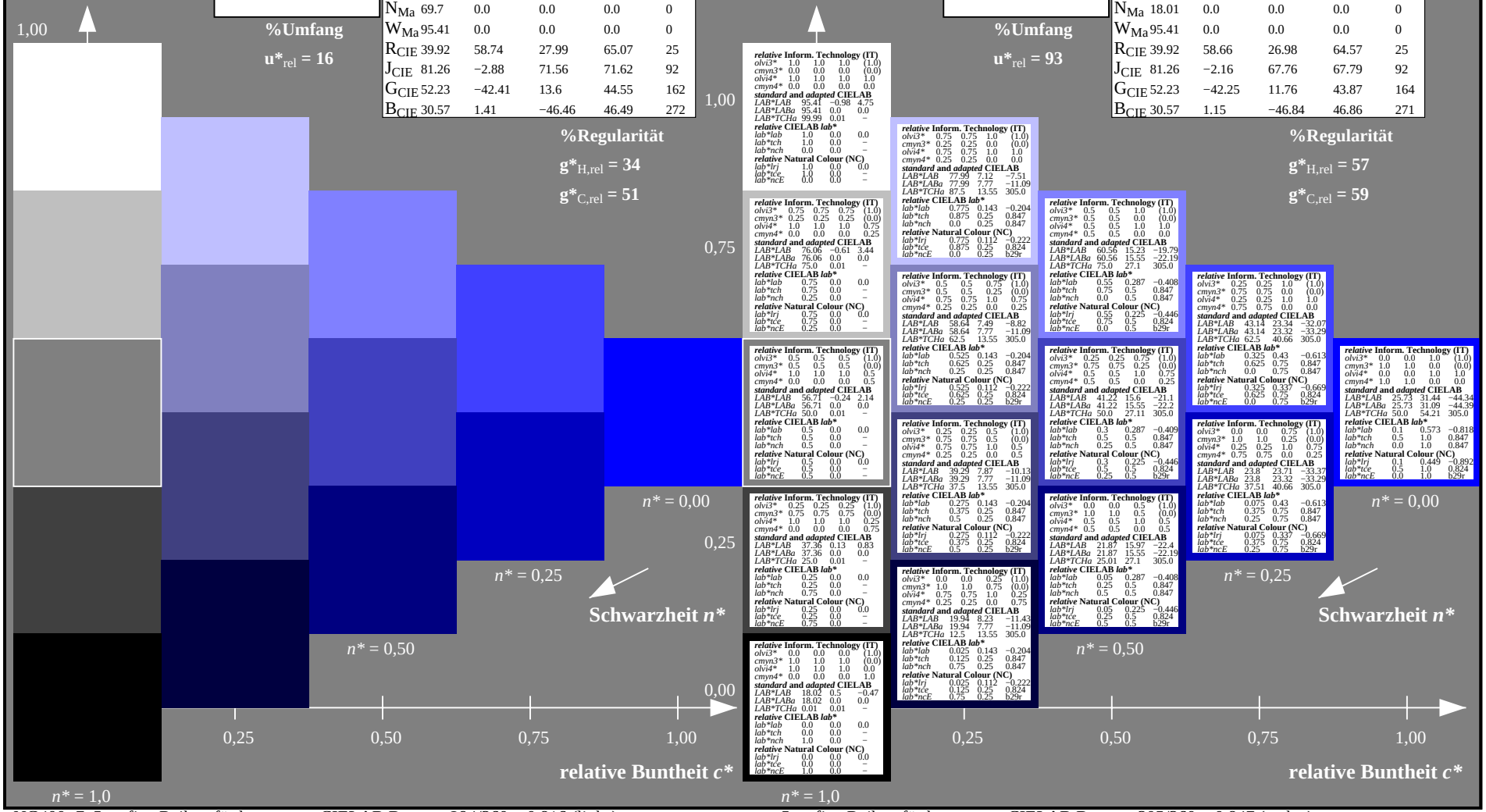
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



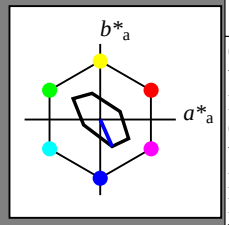
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

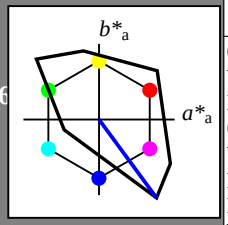
g*H,rel = 34

g*C,rel = 51

Ausgabe: 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



%Umfang

u*rel = 158

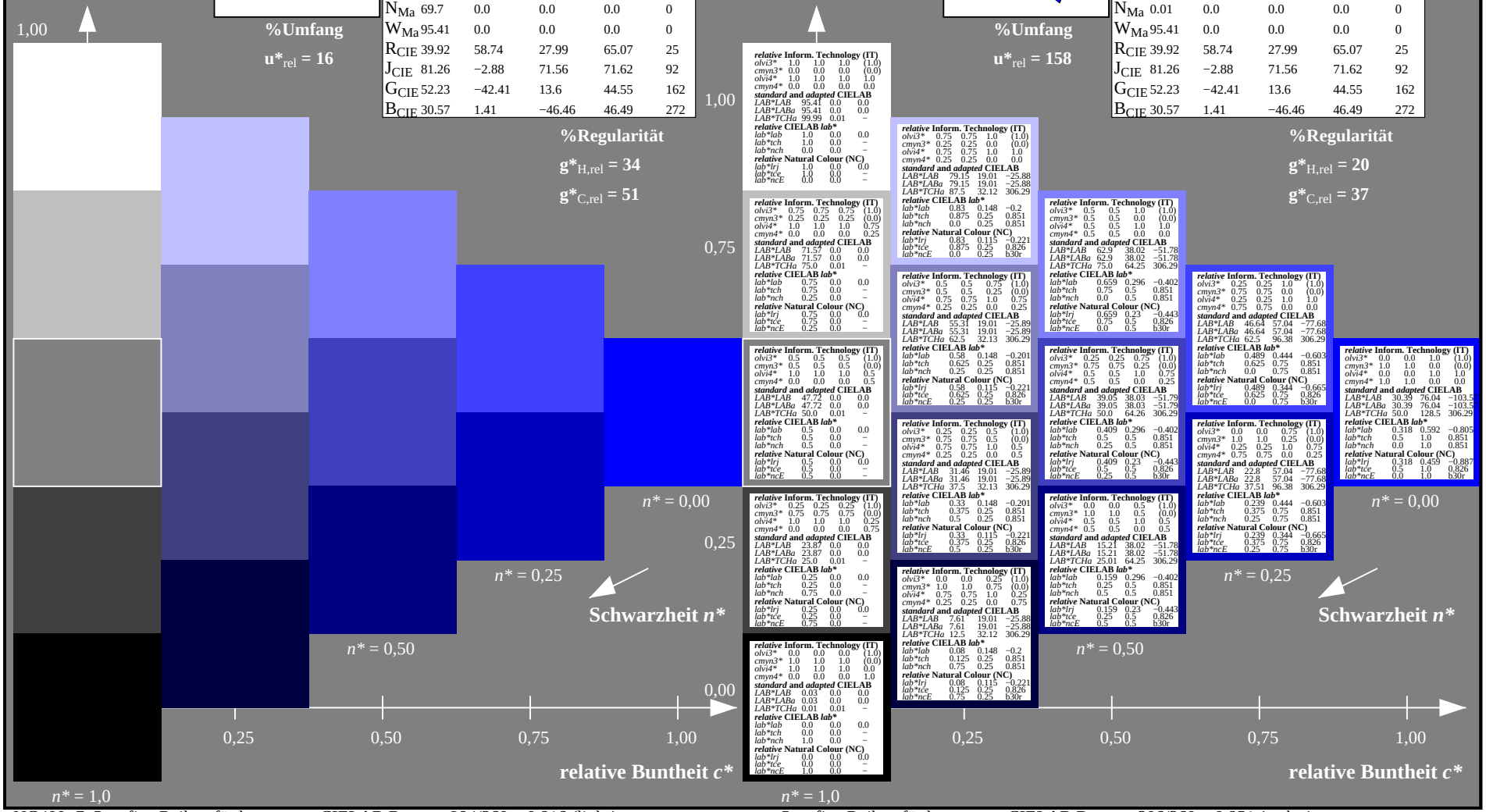
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



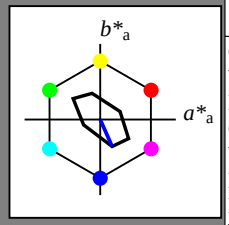
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

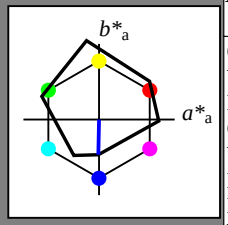
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 269/360 = 0.747***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 34 47 269
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

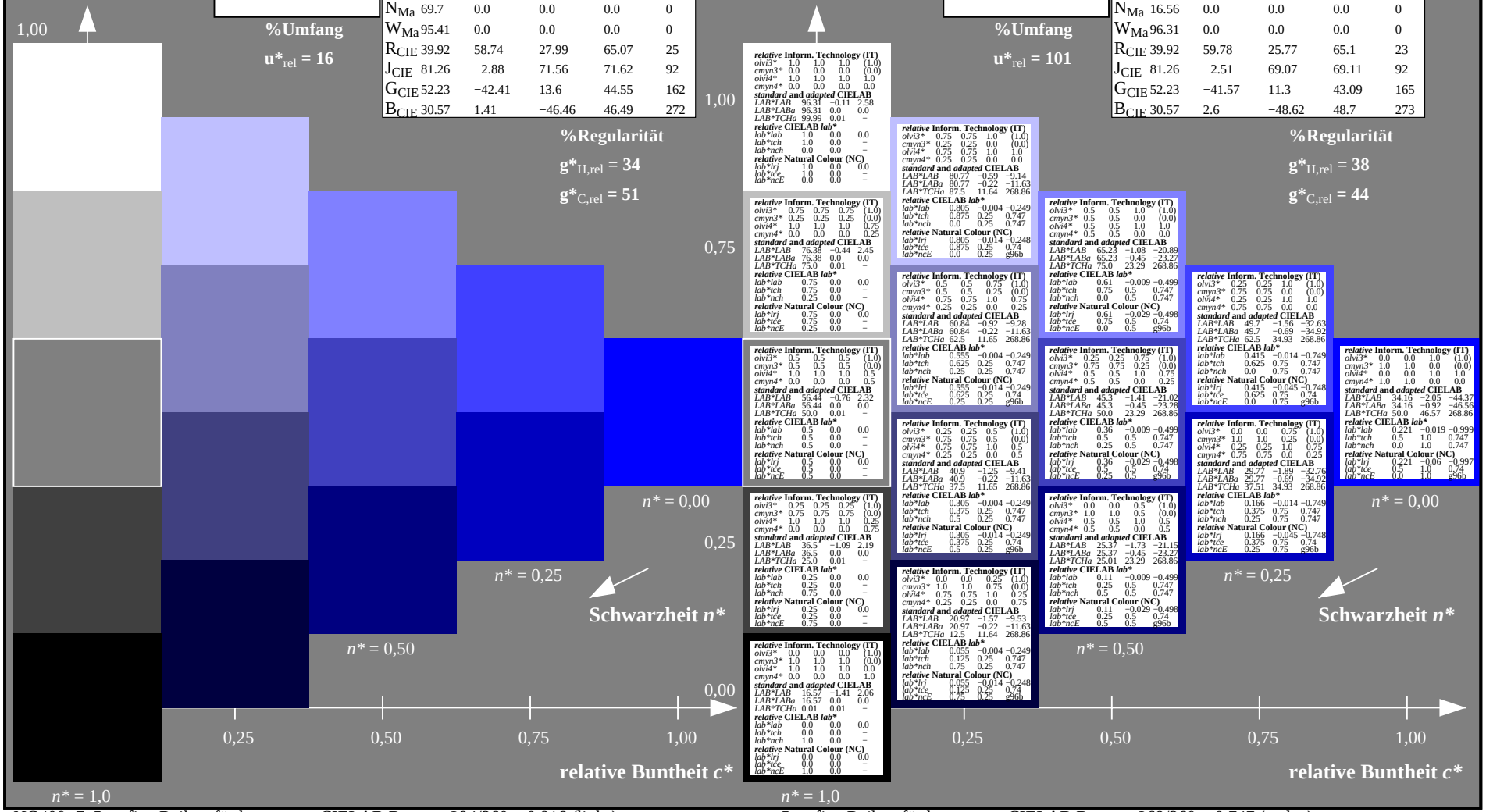


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



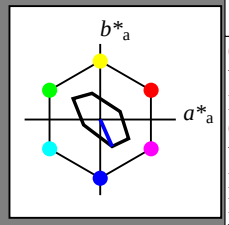
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 269/360 = 0.747 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

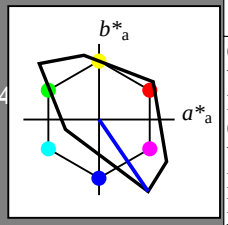
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 304/360 = 0.845***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

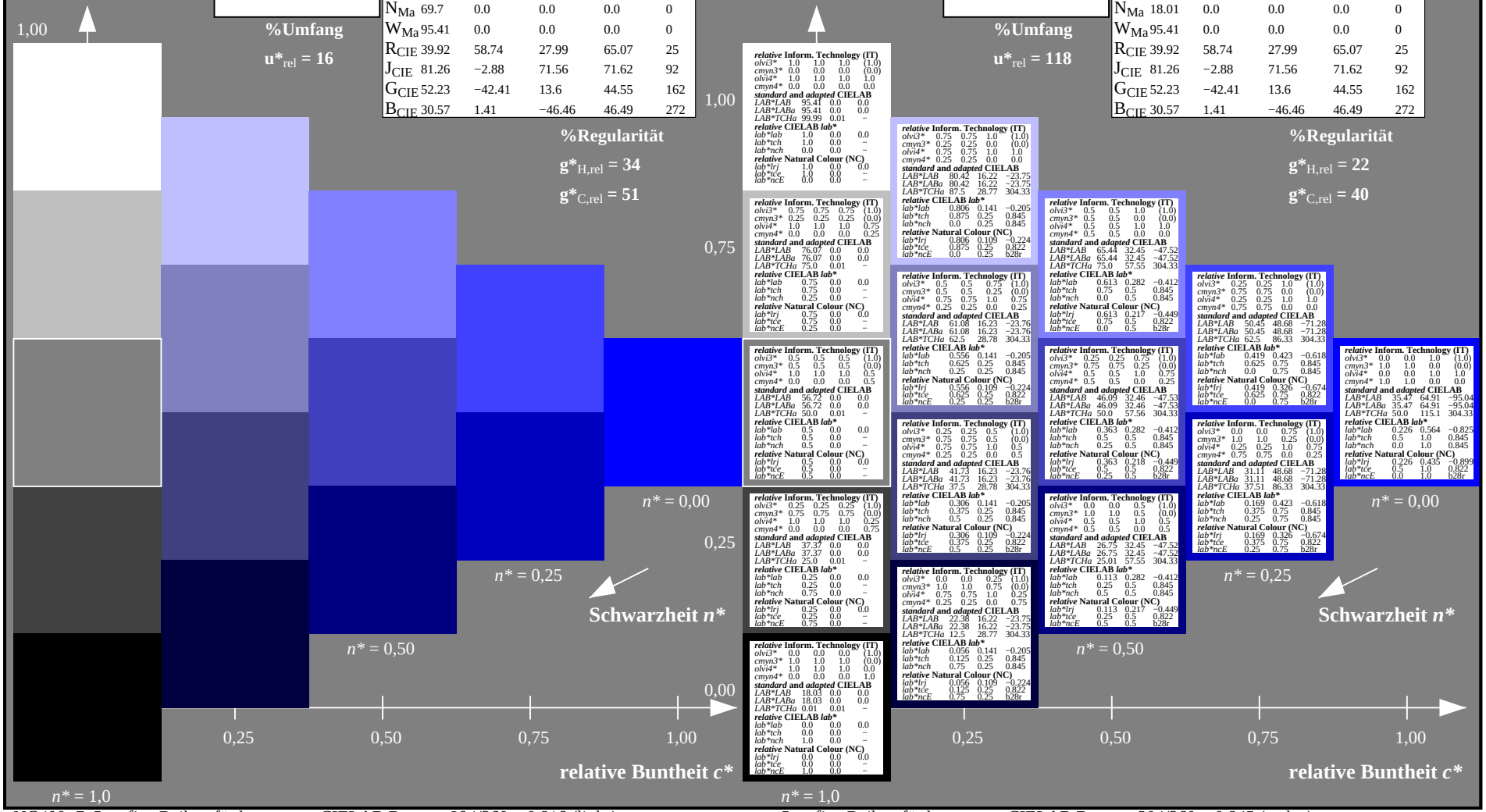


%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

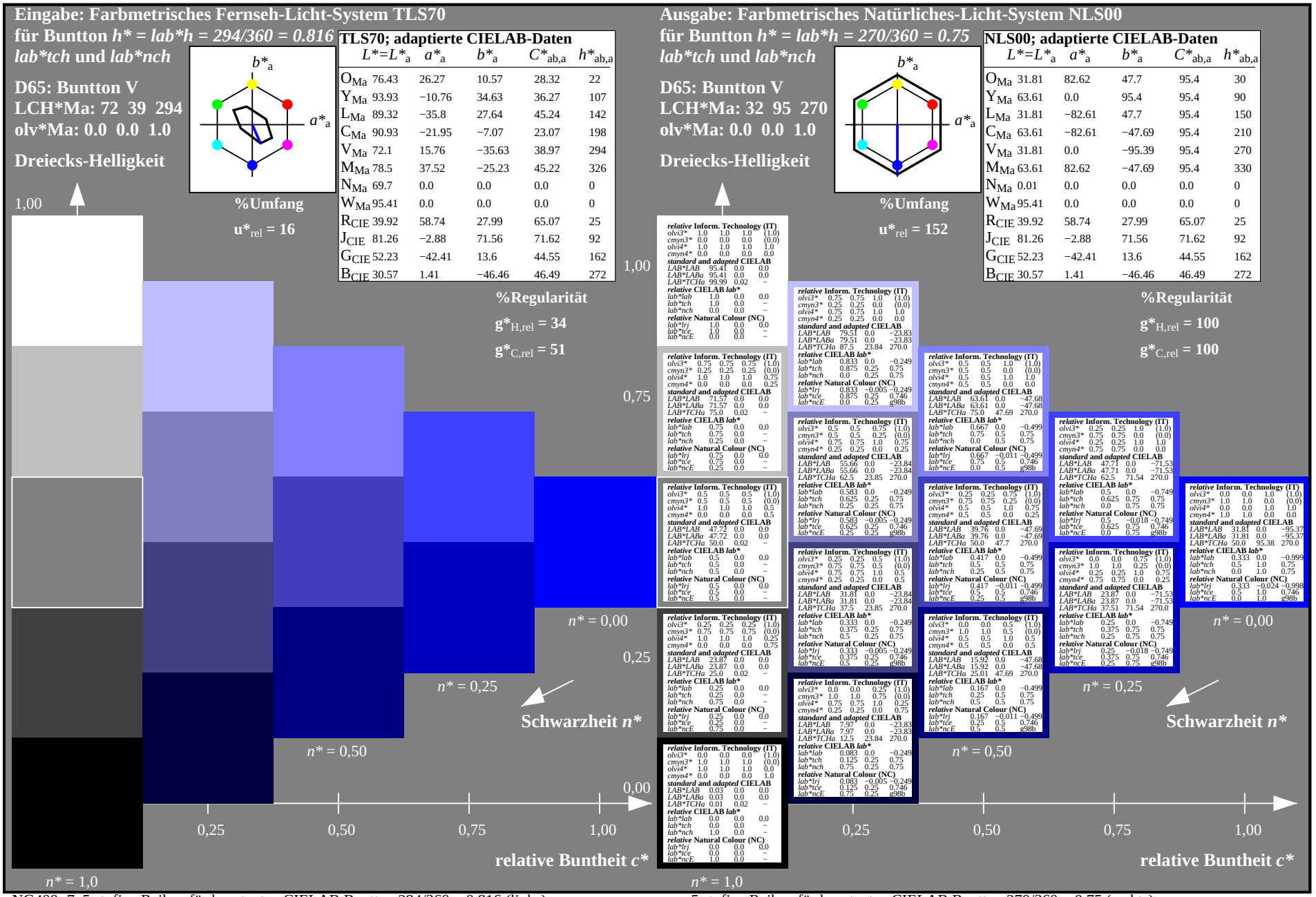
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40



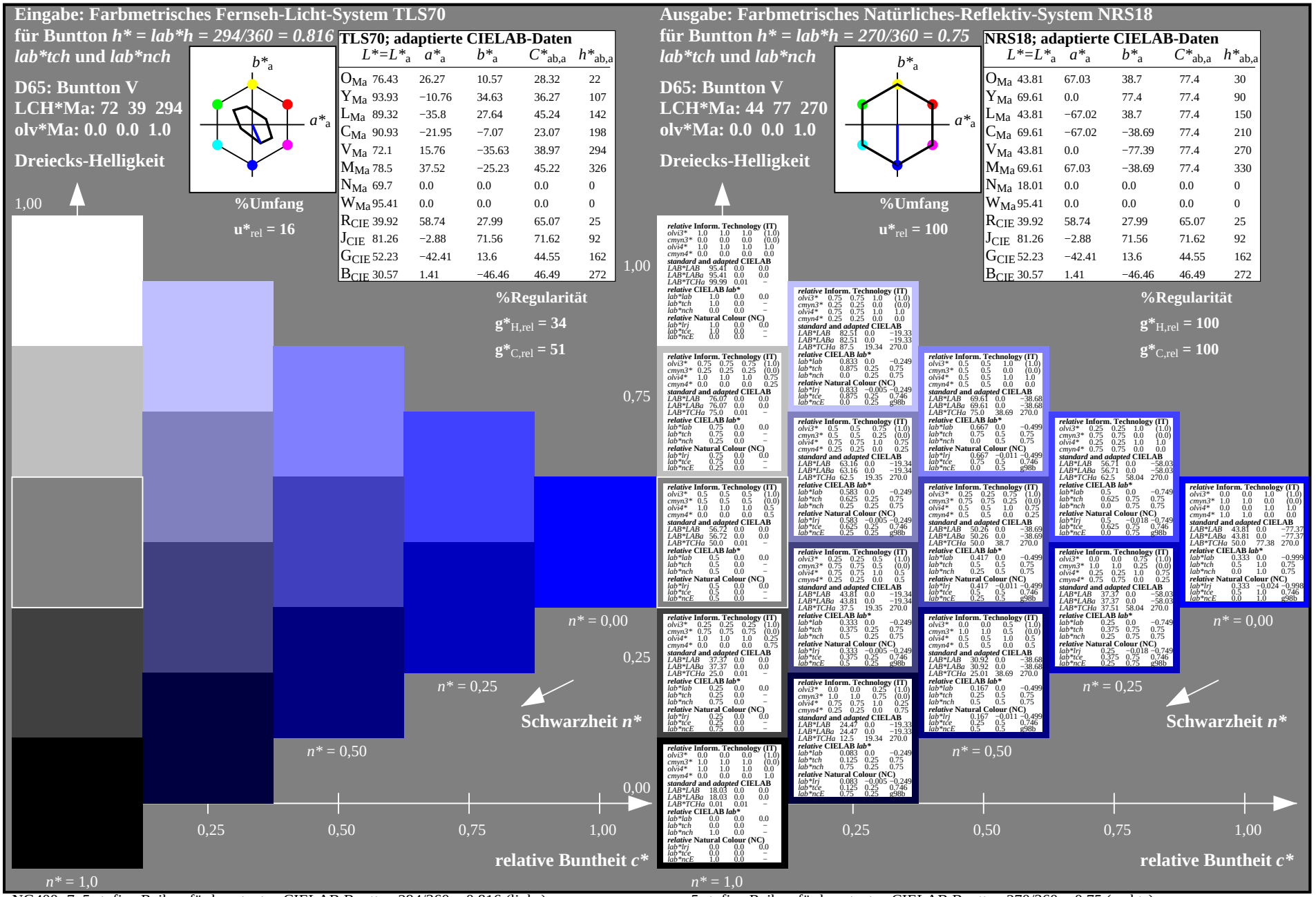
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



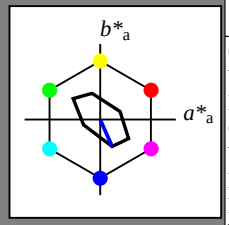
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 294/360 = 0.816***
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

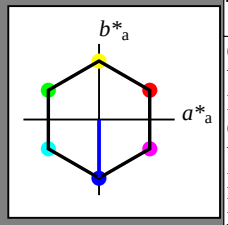
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 270/360 = 0.75**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

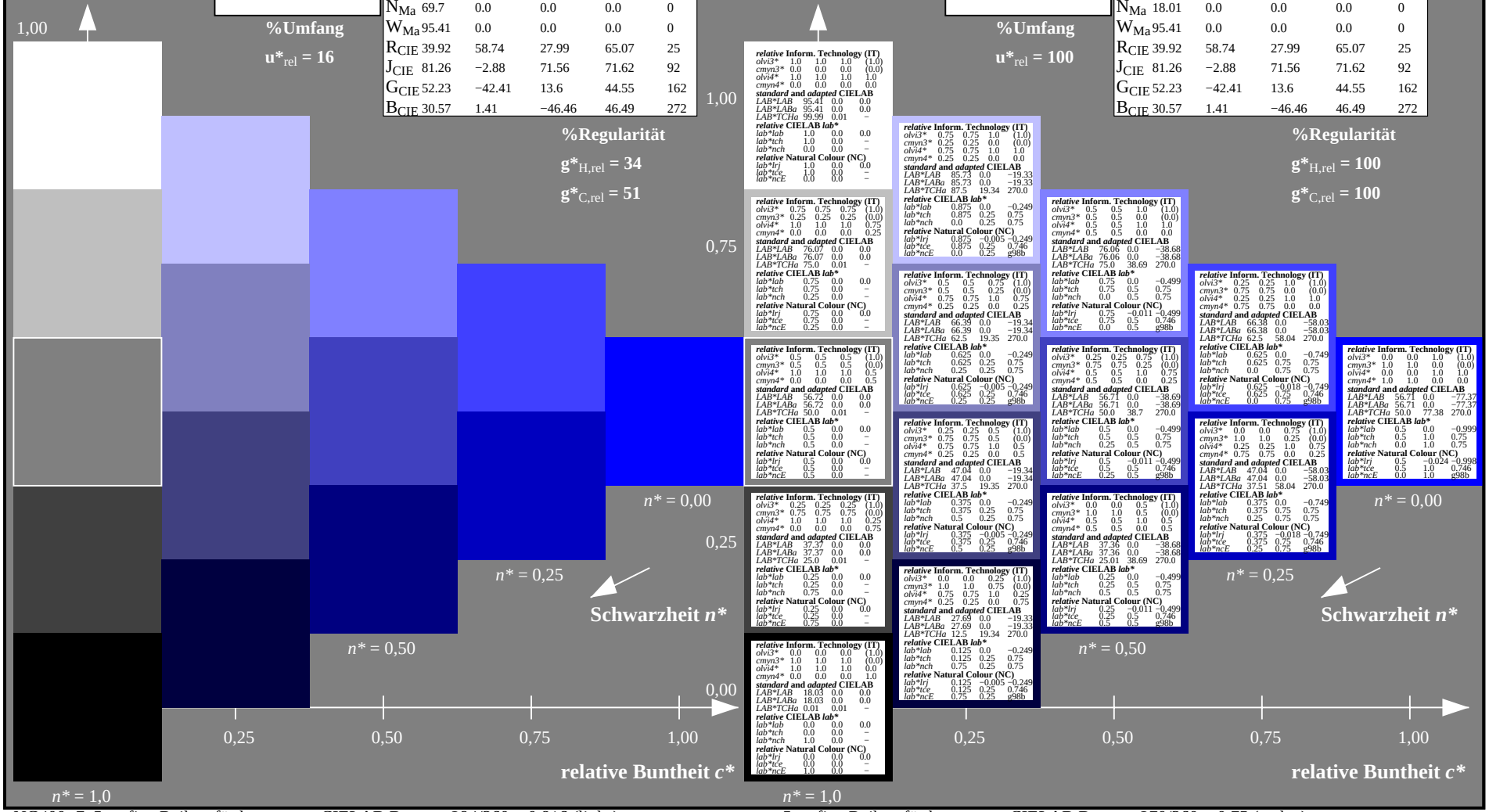


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

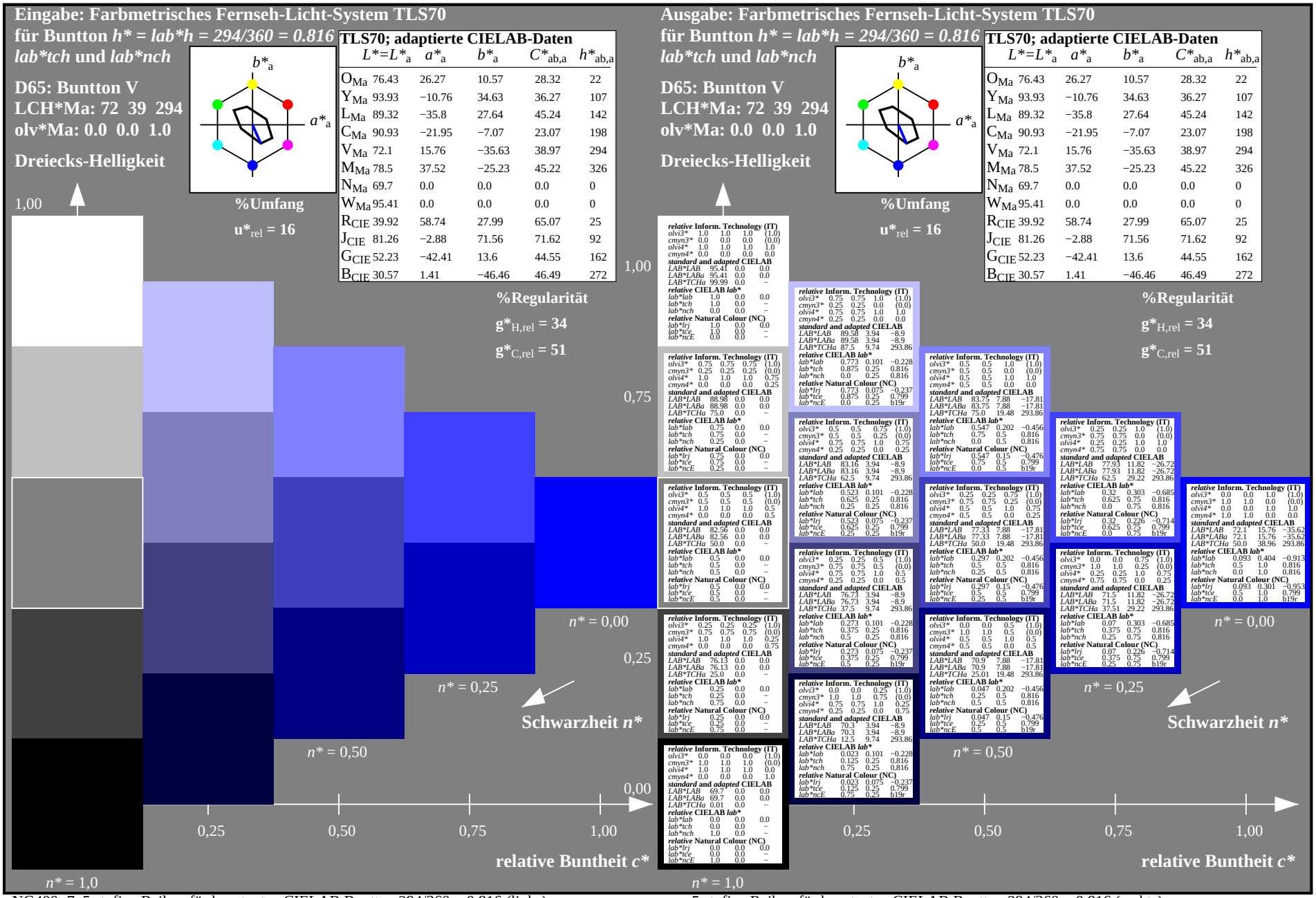
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)



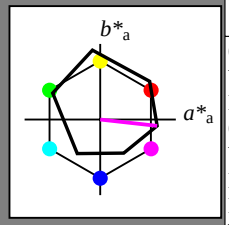
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Eingabe: 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

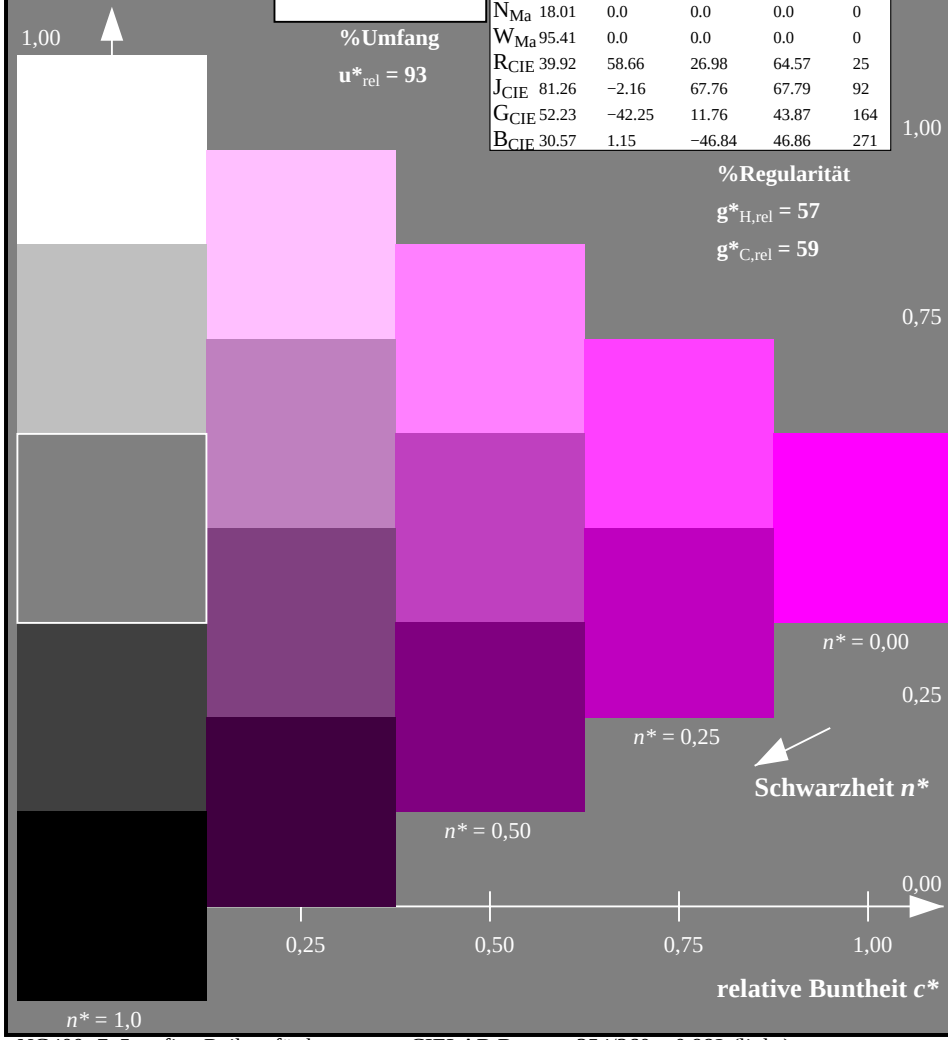


%Umfang

u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

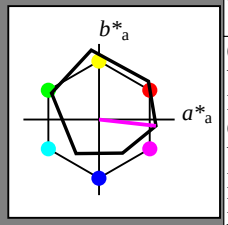
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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



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

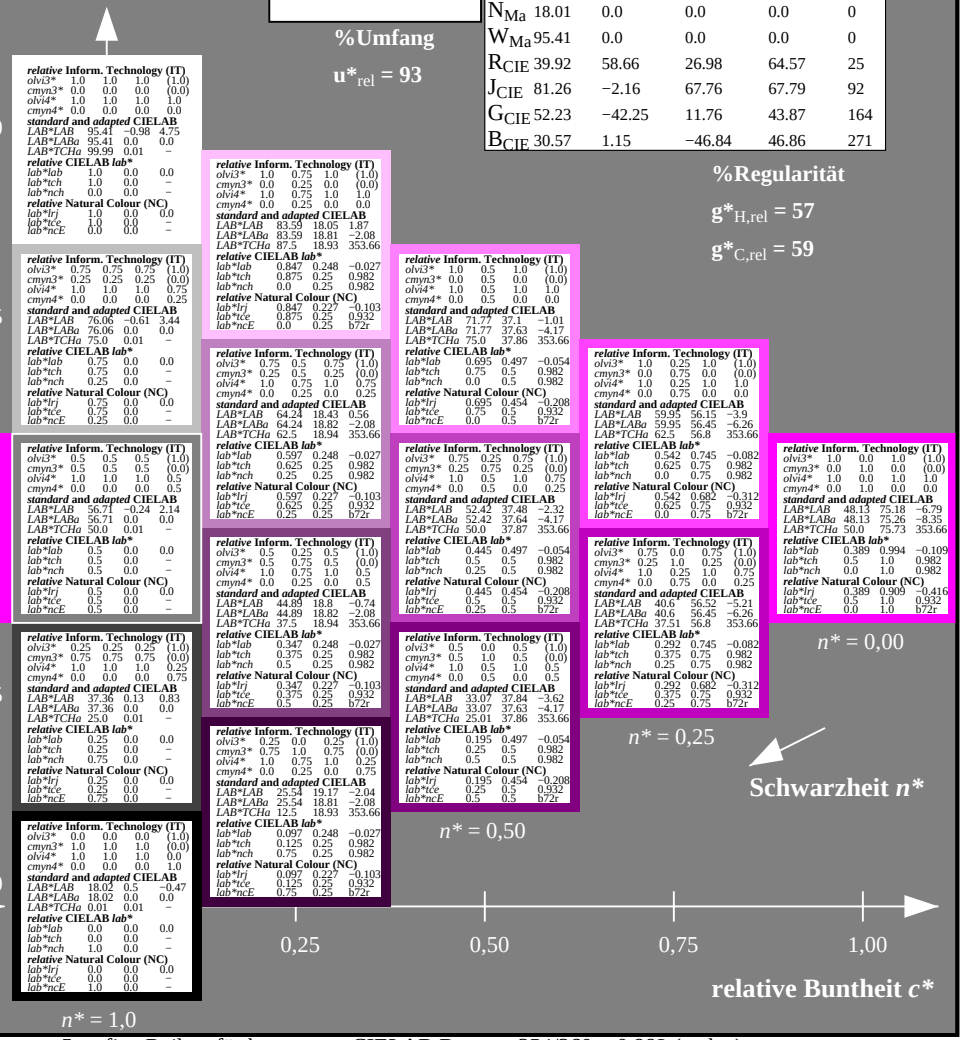


%Umfang

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



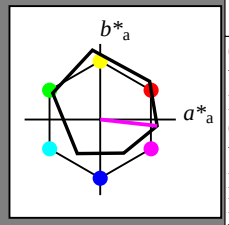
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

Eingabe: 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



%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

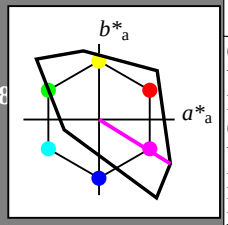
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Ausgabe: 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

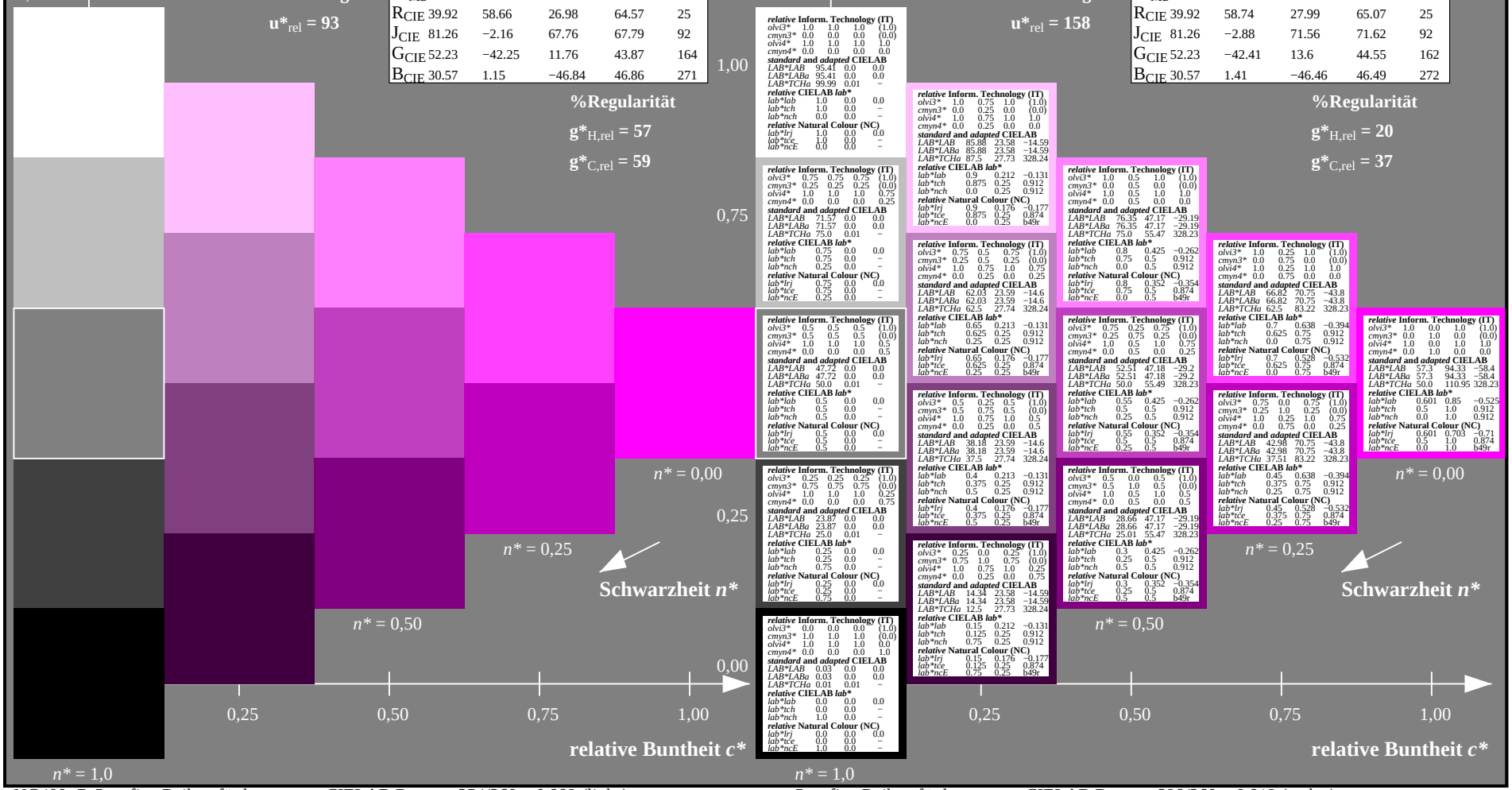


%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

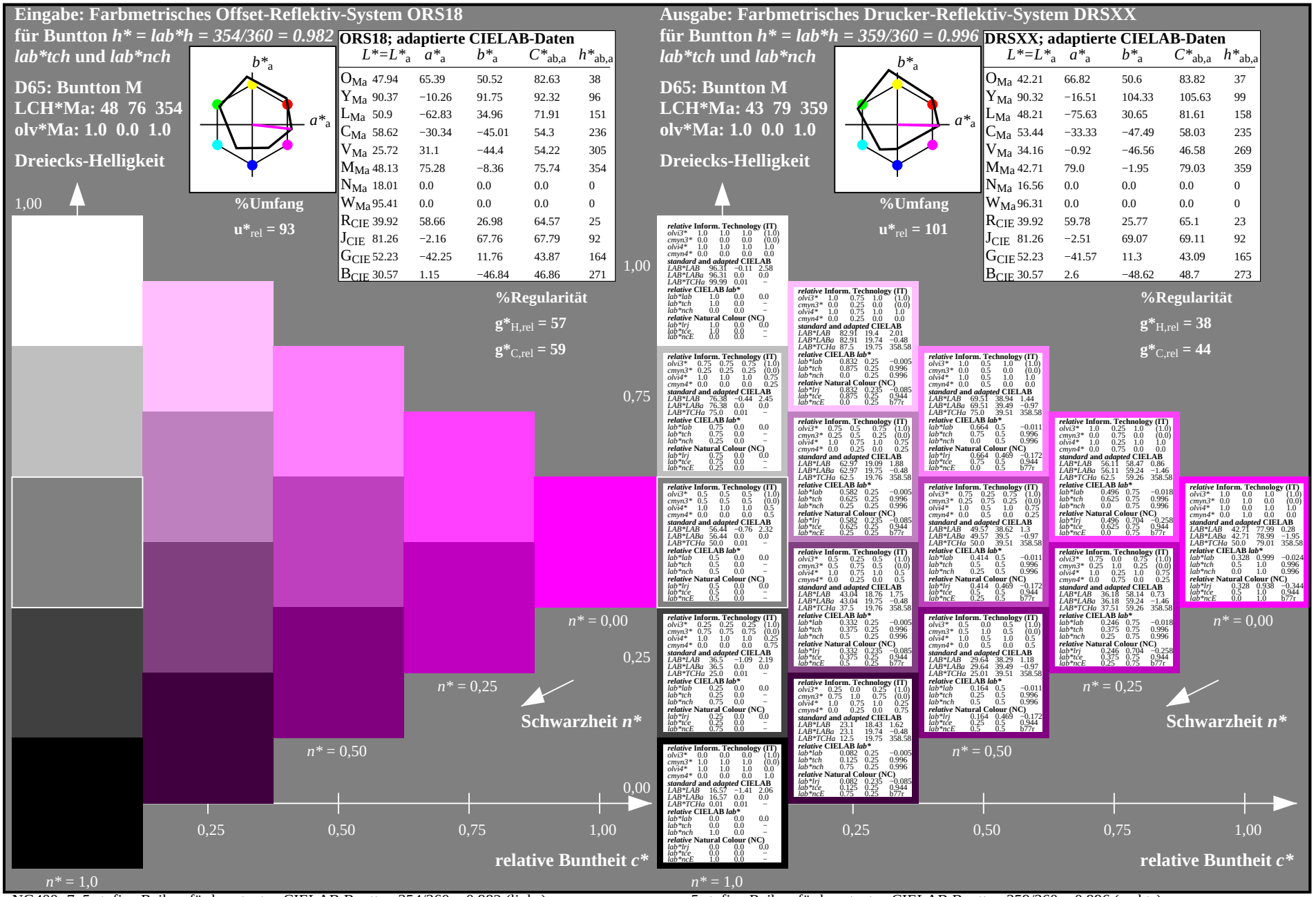
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)



ORS18; adaptierte CIELAB-Daten

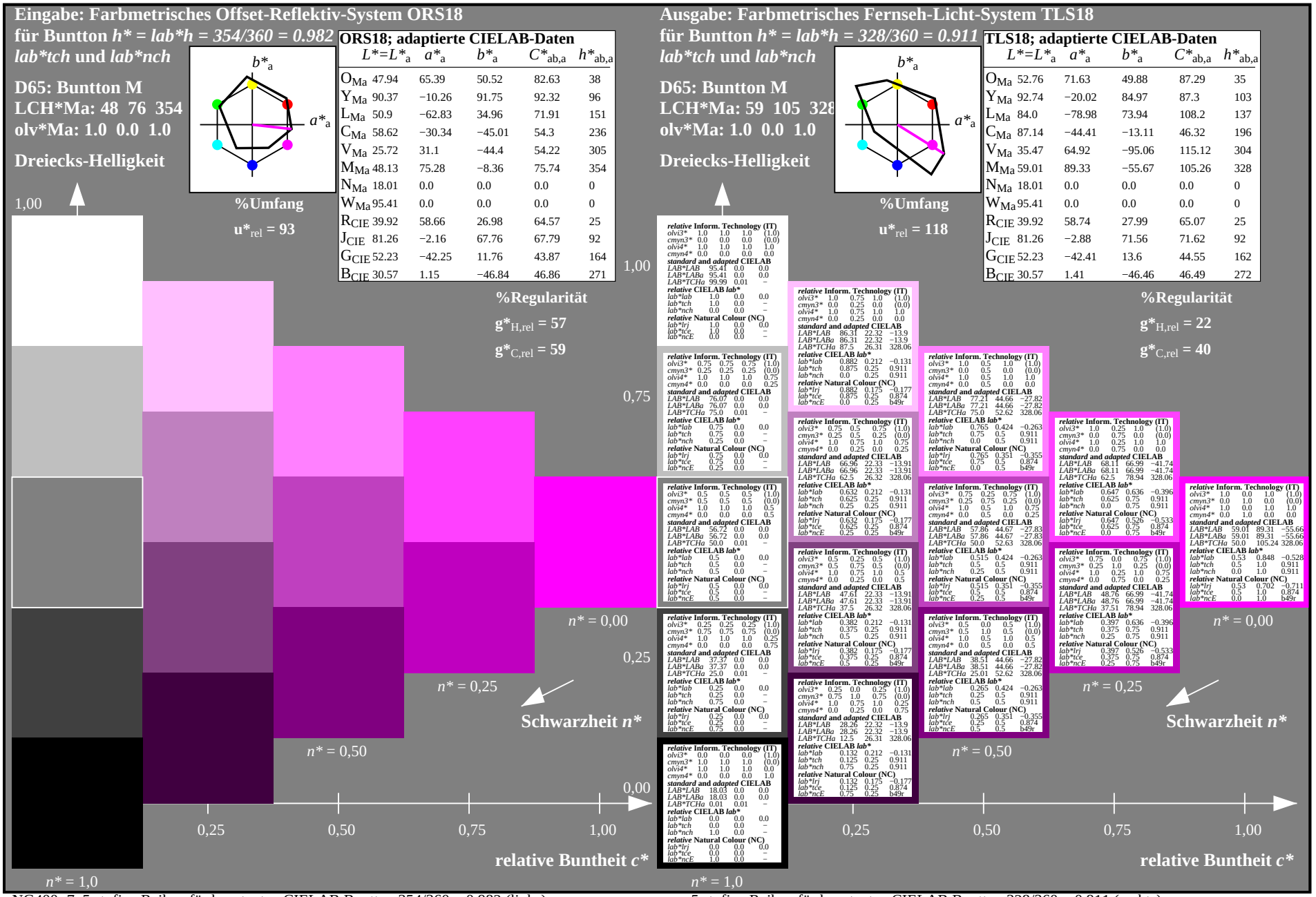
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)



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

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

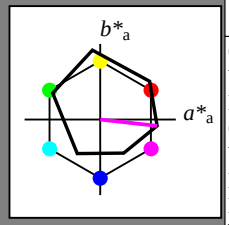
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

Eingabe: 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



%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

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

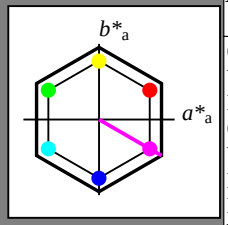
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

Schwarzheit *n**

relative Buntheit *c**

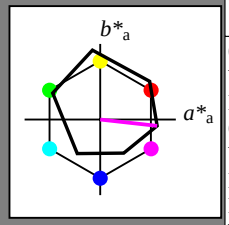
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: 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



%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

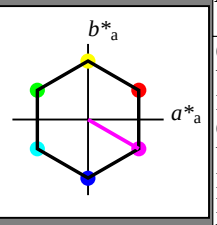
%Regularität
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

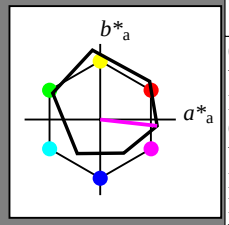
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: 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

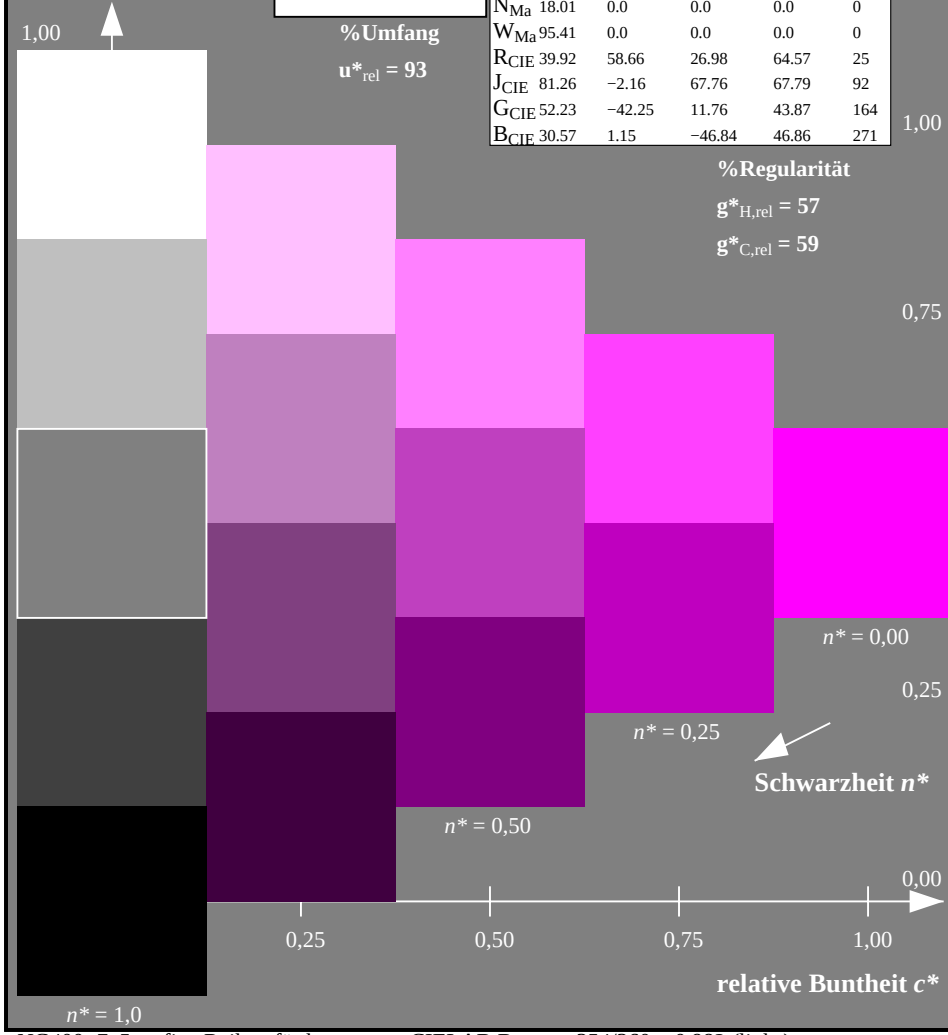
Dreiecks-Helligkeit



%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

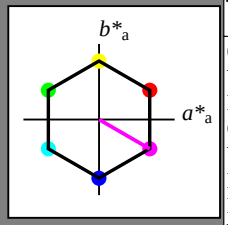


%Regularität
g*H,rel = 57
g*C,rel = 59

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

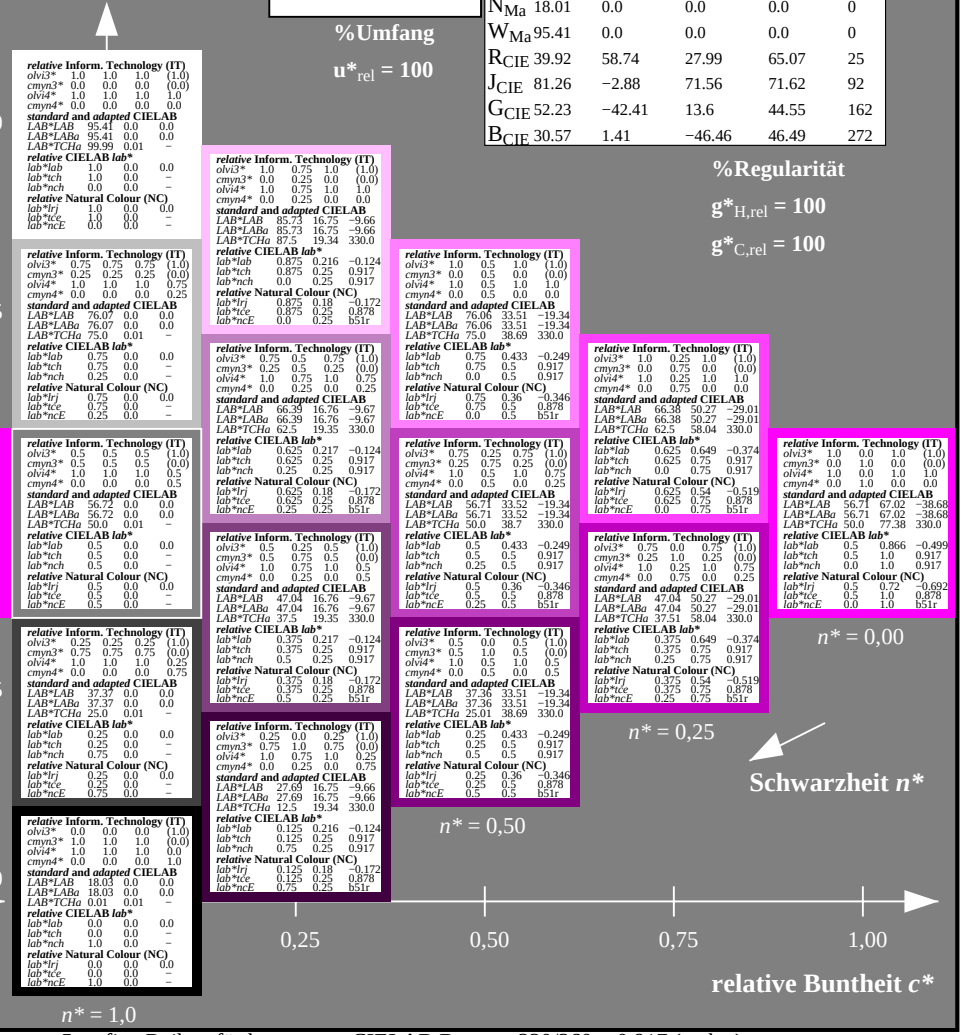
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



%Regularität
g*H,rel = 100
g*C,rel = 100

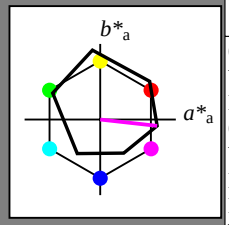
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: 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



%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

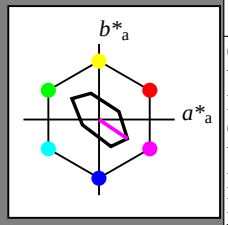
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 326/360 = 0.906*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

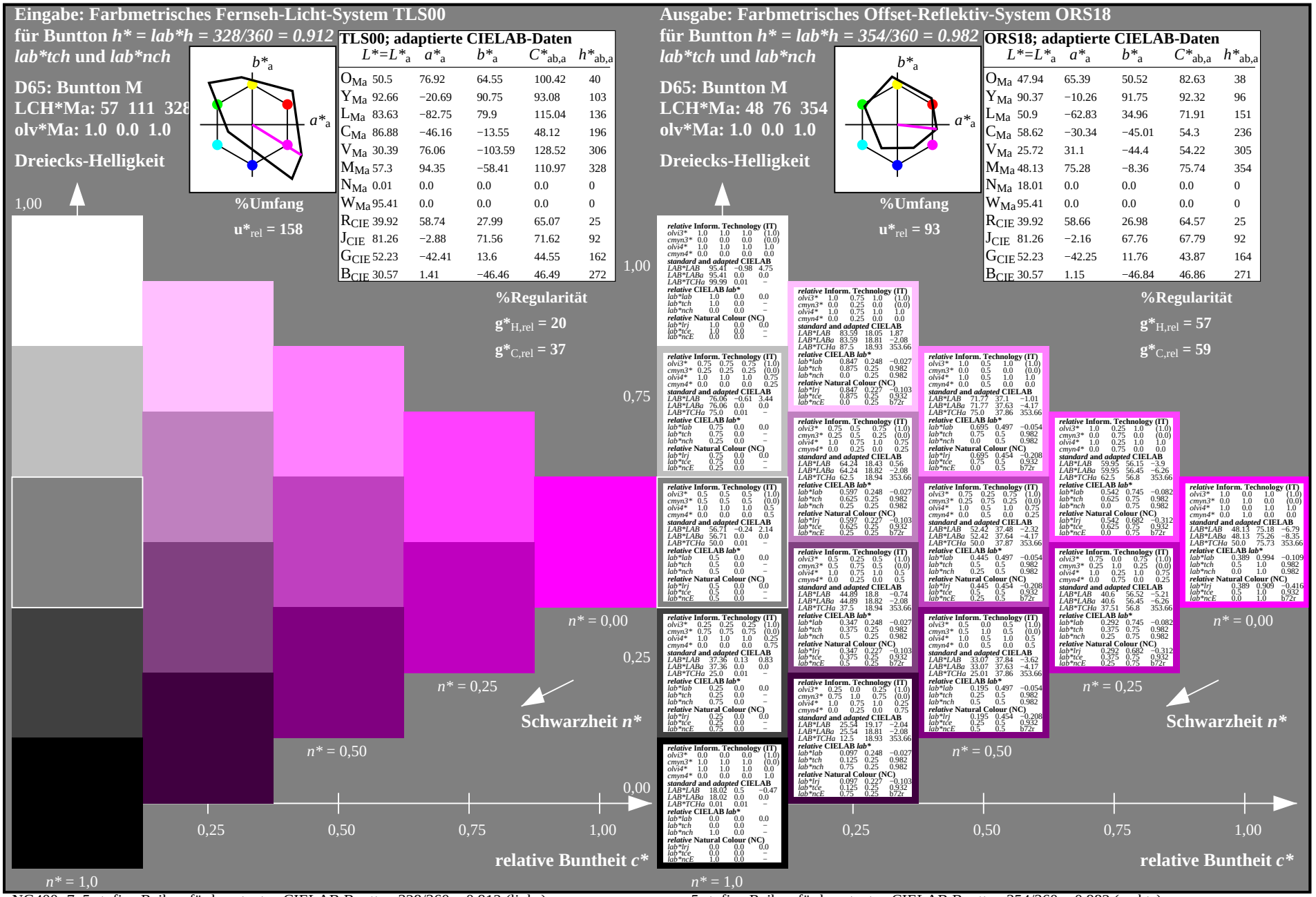
g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)



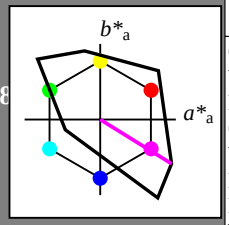
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

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



%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

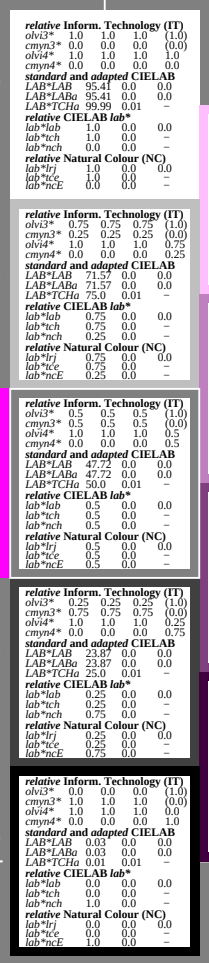
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

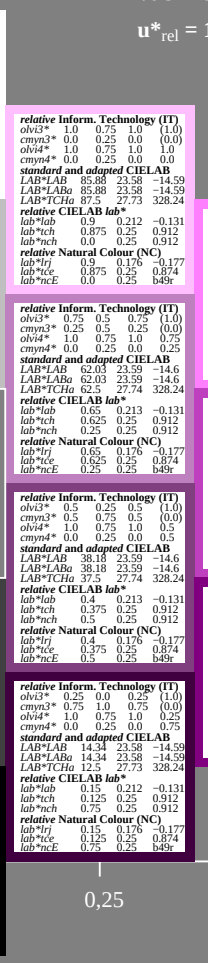
1,00
0,75
0,25
0,00

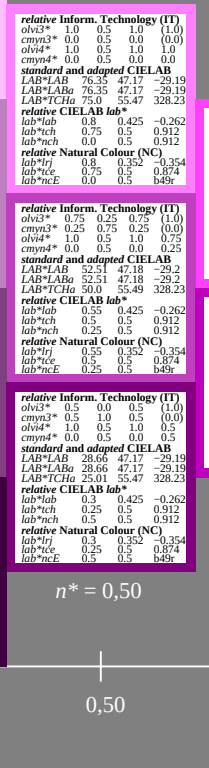
n = 0,00*
n = 0,25*
n = 0,50*
n = 1,0*

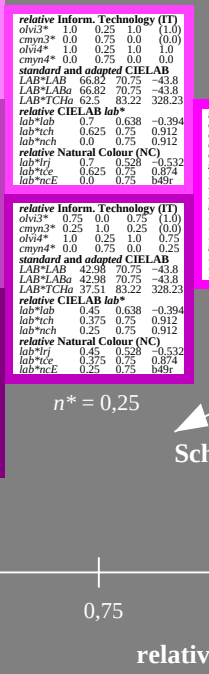
0,25 0,50 0,75 1,00

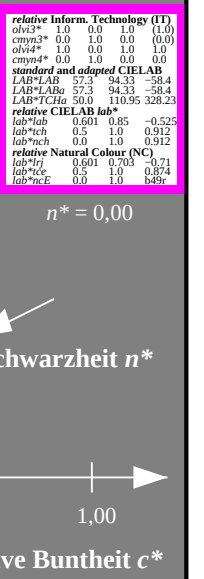
Schwarzheit *n**
relative Buntheit *c**







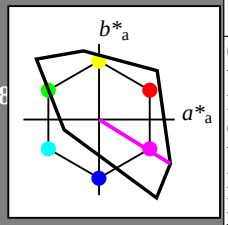




Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00
für Buntton *h = lab*h = 328/360 = 0.912**
lab*tch* und *lab*nch

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

Dreiecks-Helligkeit



%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

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

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

Schwarzheit *n**
relative Buntheit *c**

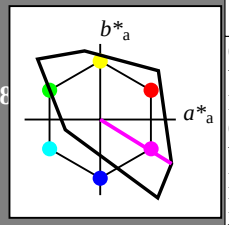
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

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



%Umfang
u^*_{rel} = 158

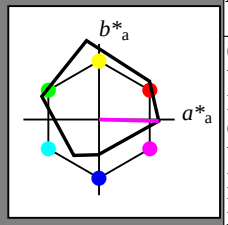
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

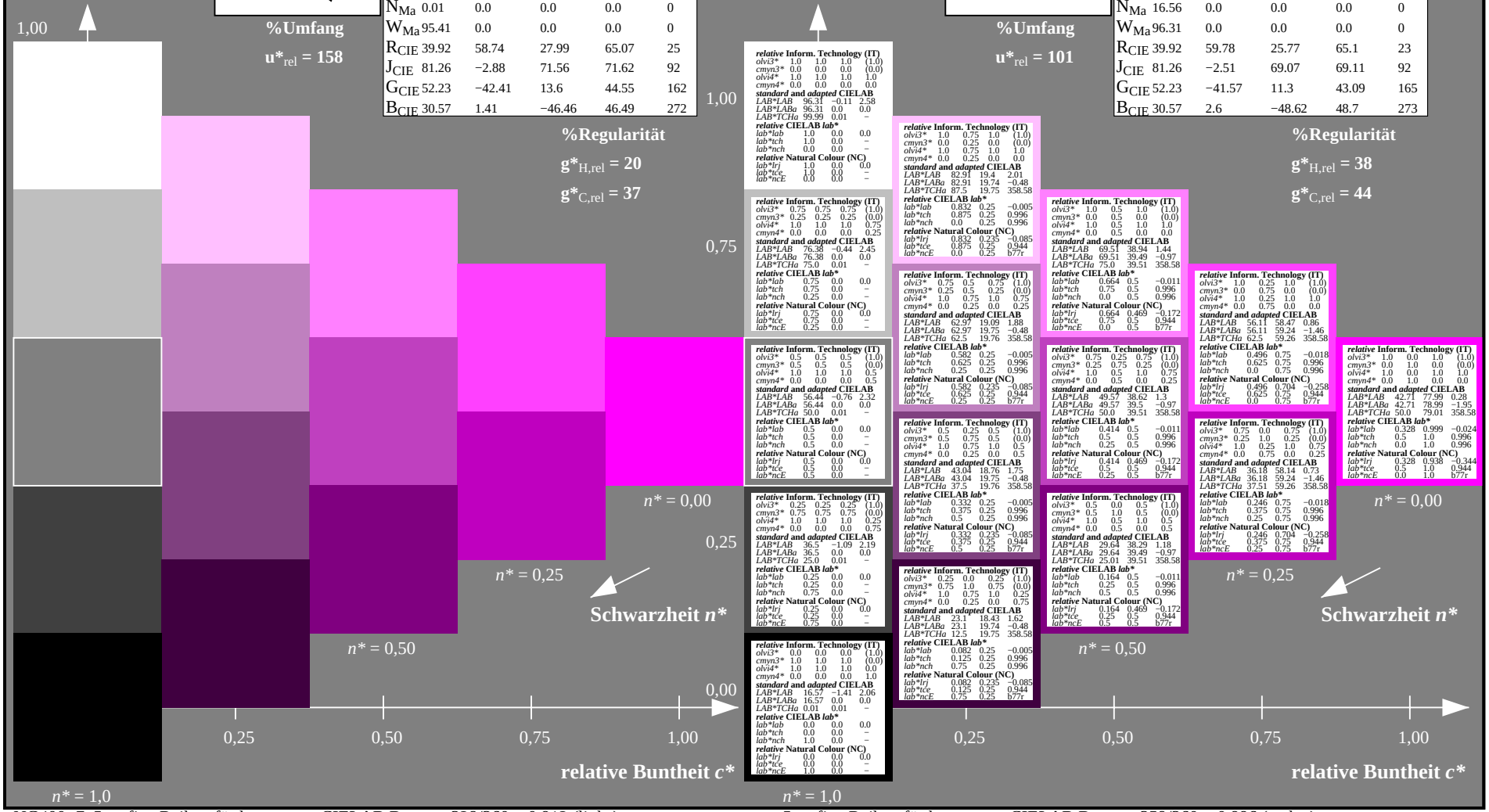
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



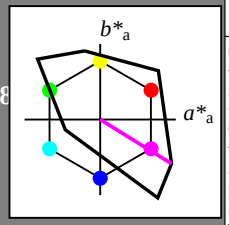
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)

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



%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

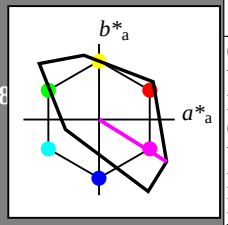
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 328/360 = 0.911*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

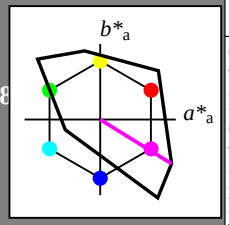
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

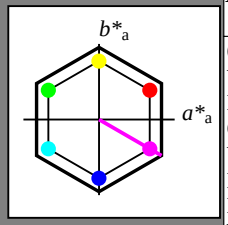
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

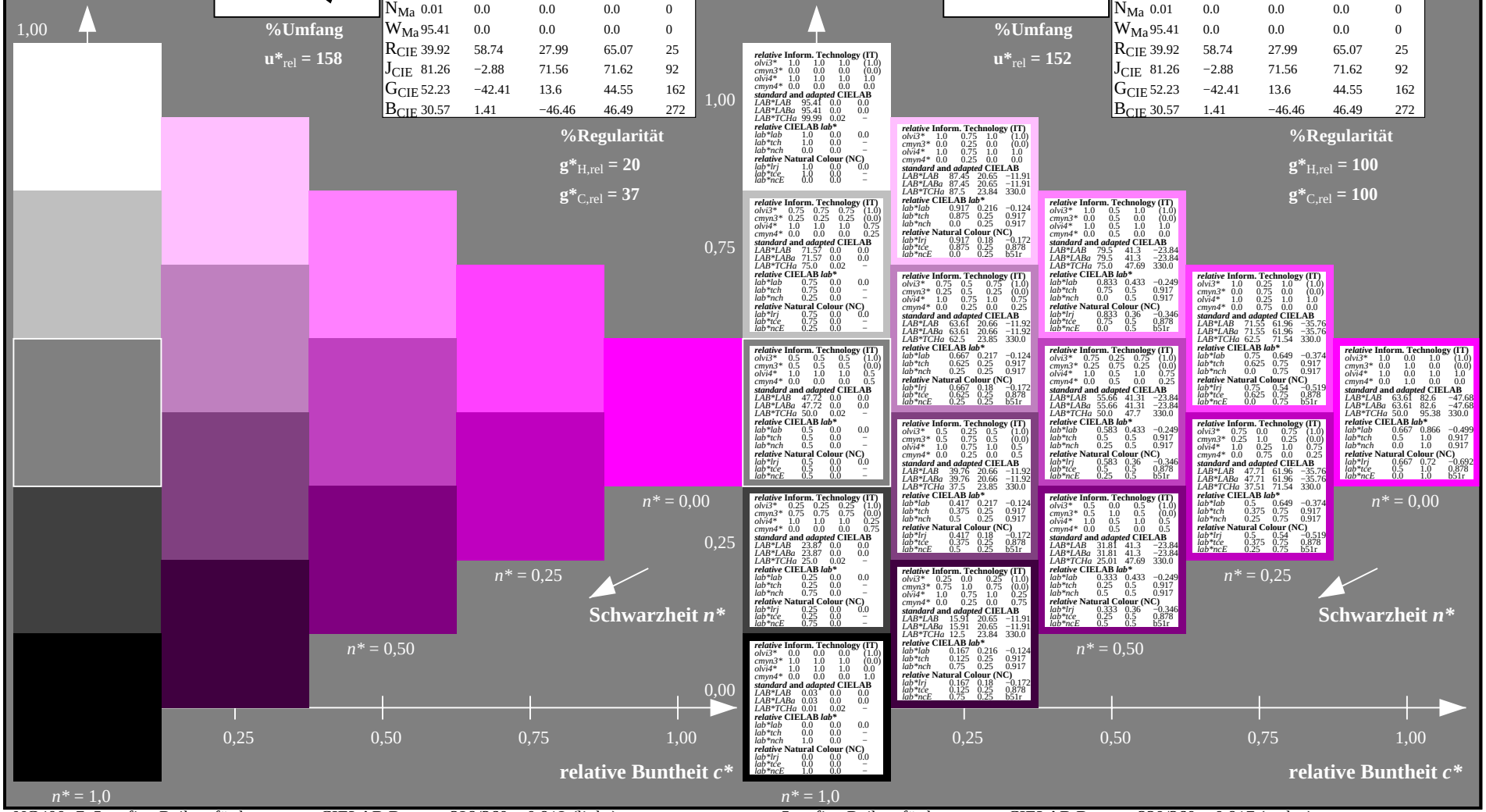


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



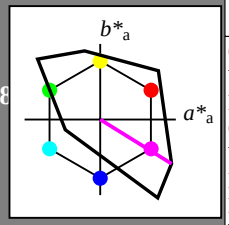
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

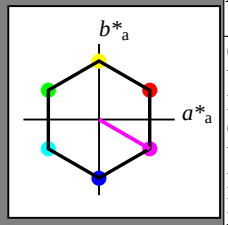
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h* = 330/360 = 0.917
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

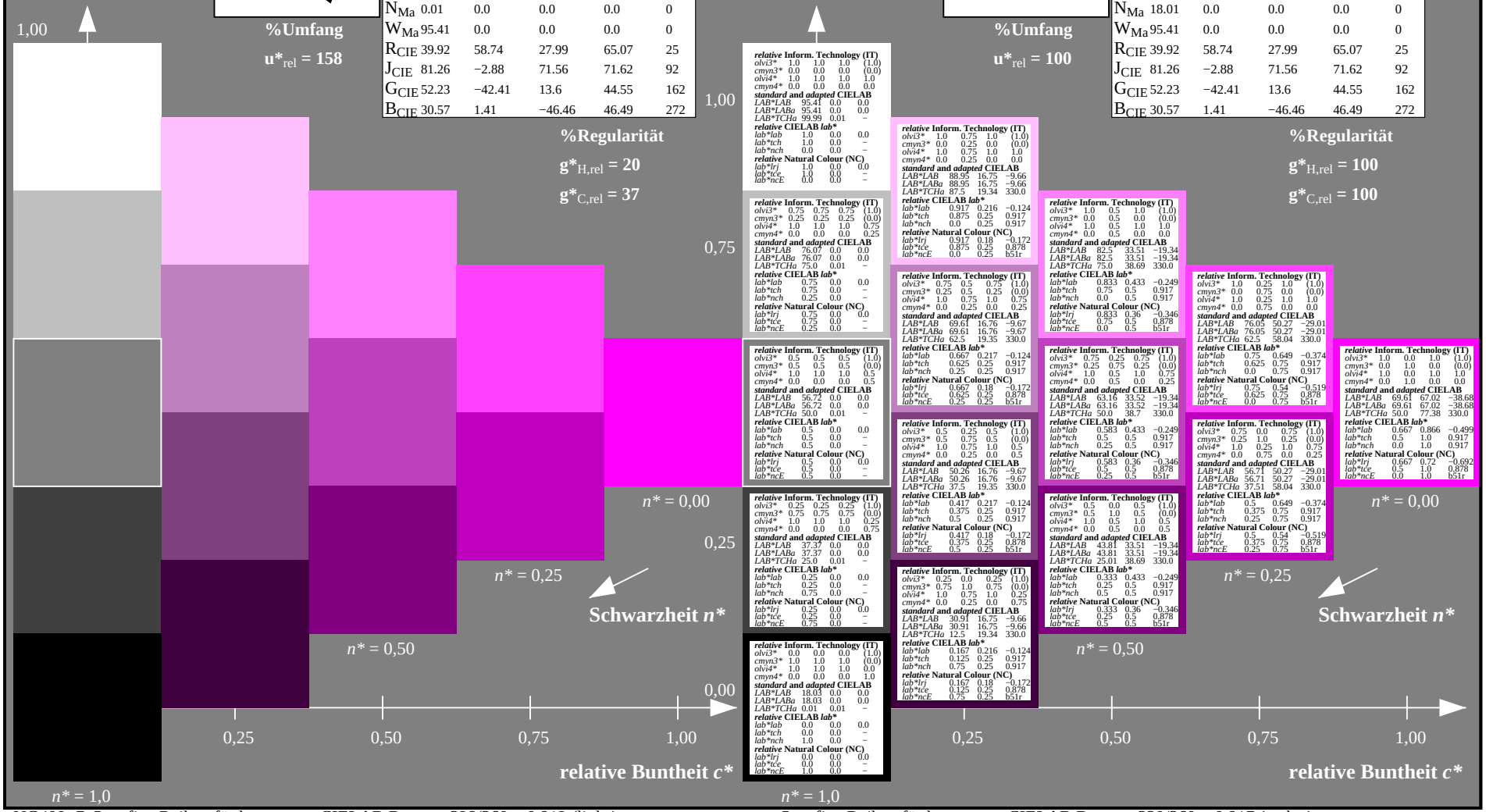


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



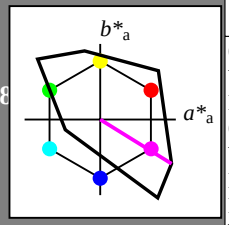
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

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



%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

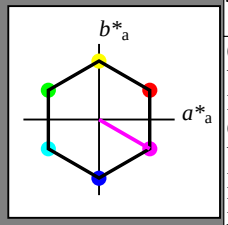
%Regularität
g*H,rel = 20
g*C,rel = 37

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

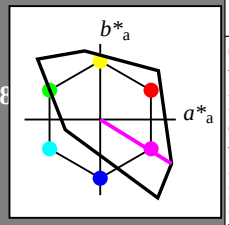
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

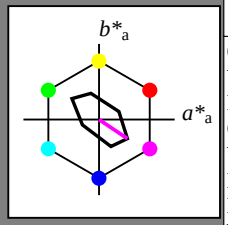
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

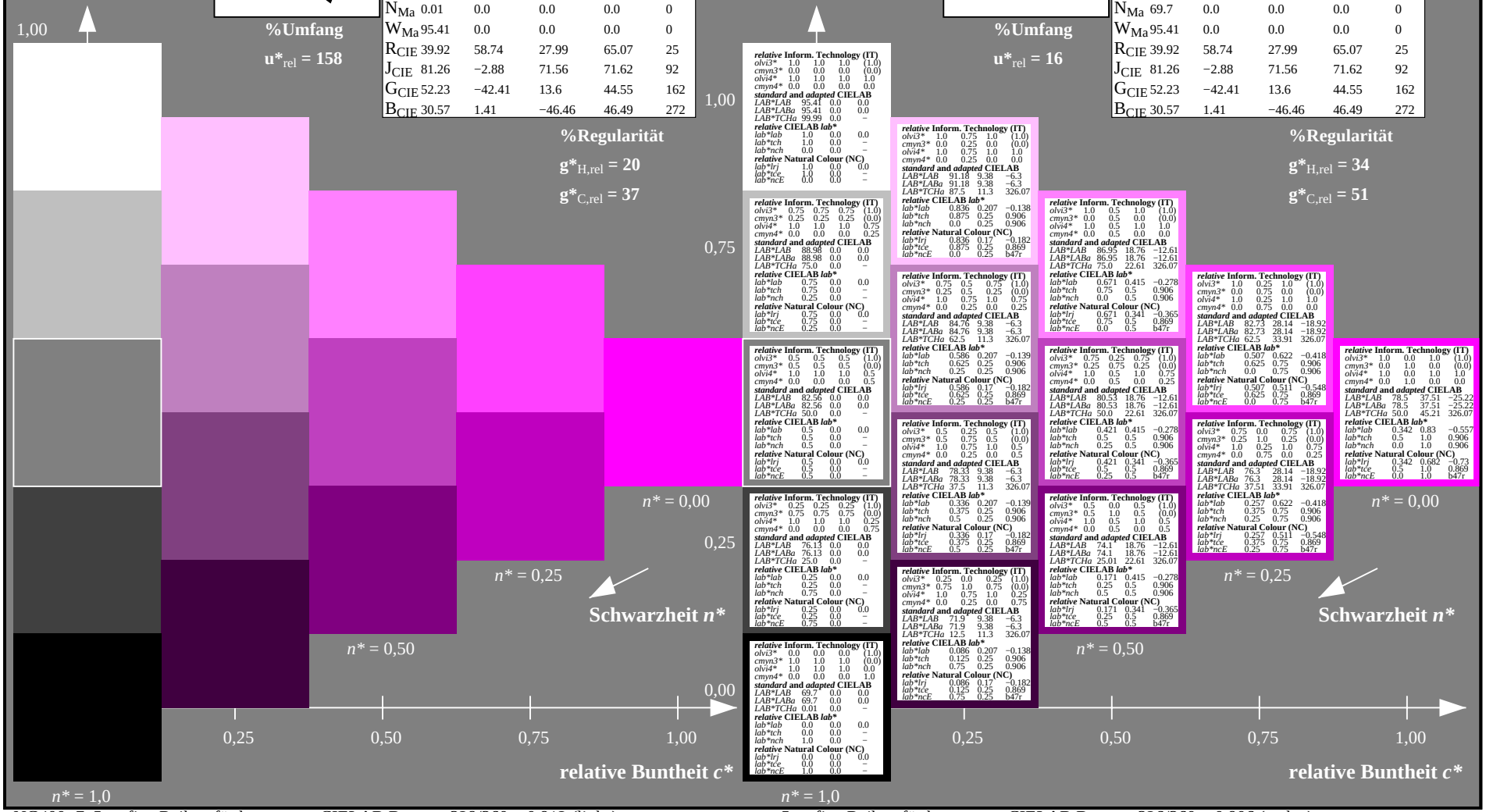


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



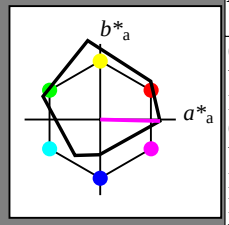
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 359/360 = 0.996*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

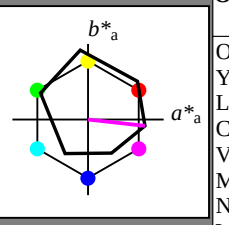
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

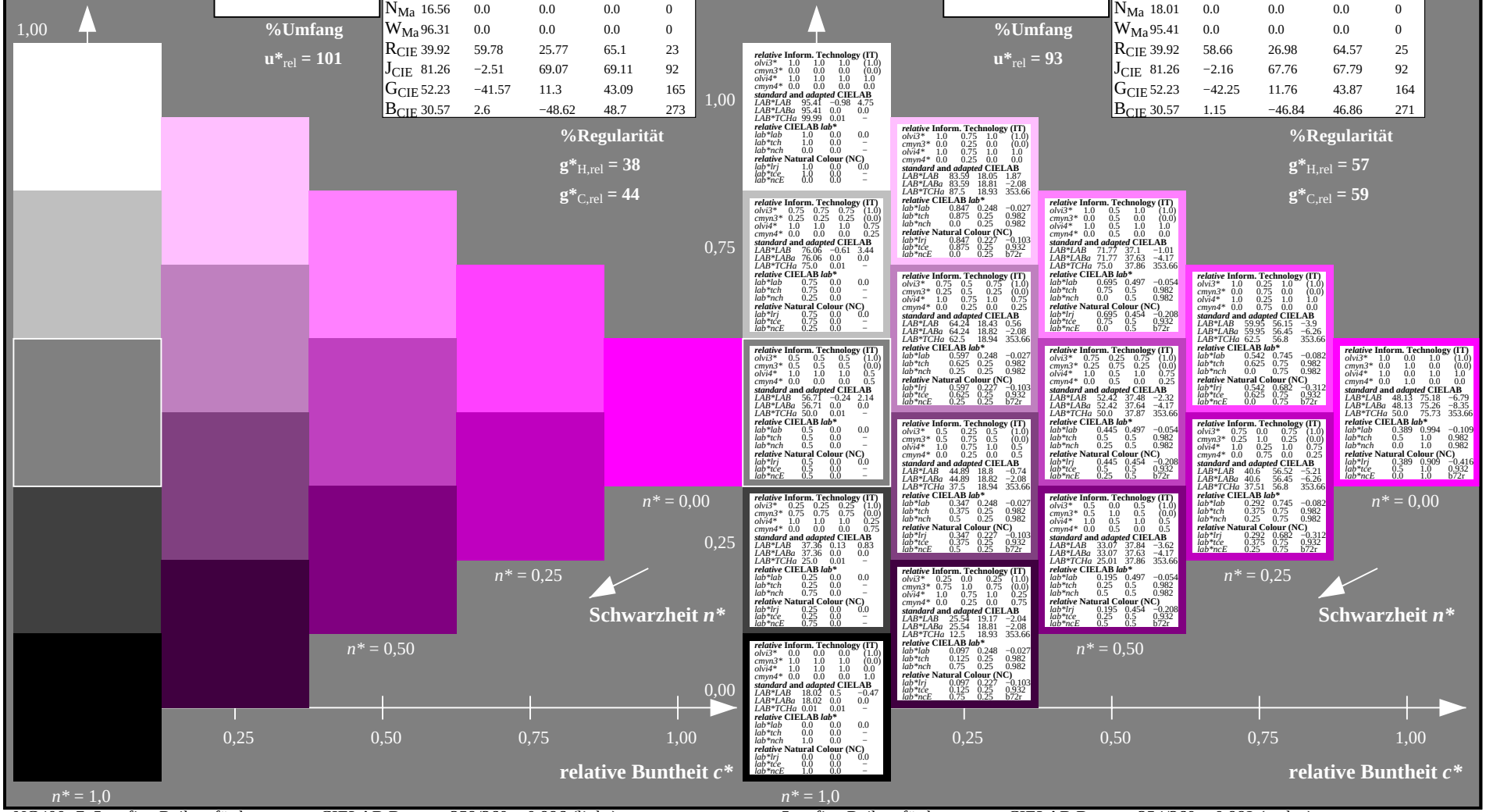


%Umfang
u*$_{rel}$ = 93

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



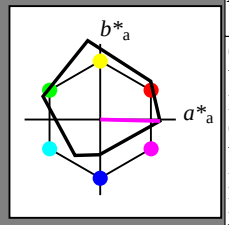
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 359/360 = 0.996*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

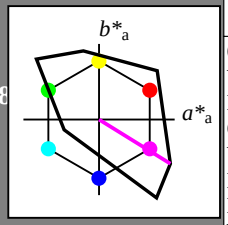
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: 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

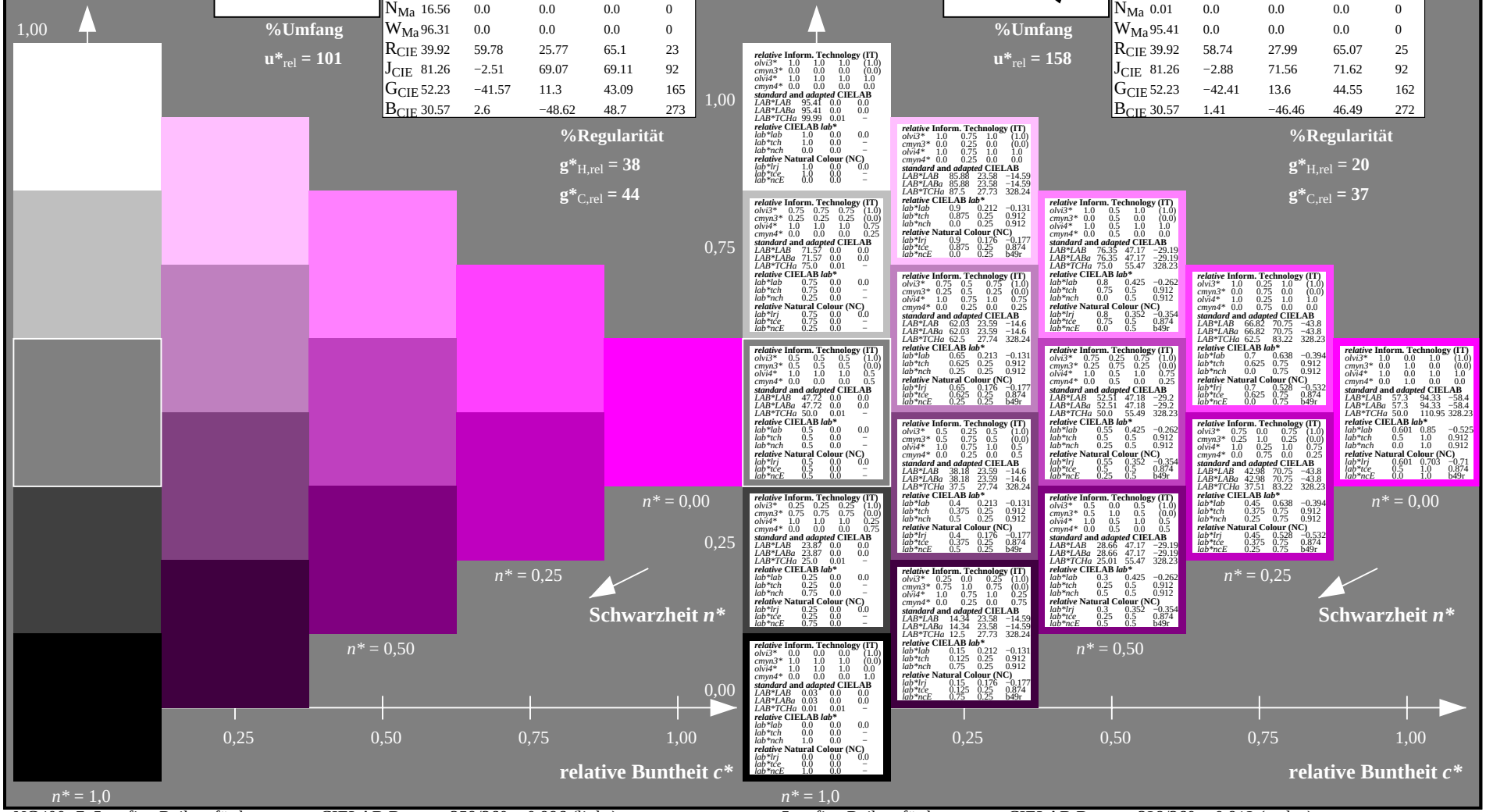


%Umfang
u*$_{rel}$ = 158

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



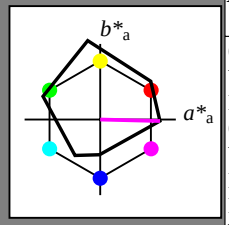
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

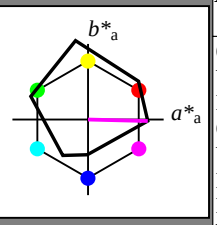
%Regularität
g*H,rel = 38
g*C,rel = 44

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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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**

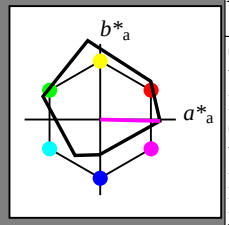
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 359/360 = 0.996*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

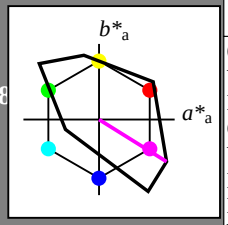
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 328/360 = 0.911*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

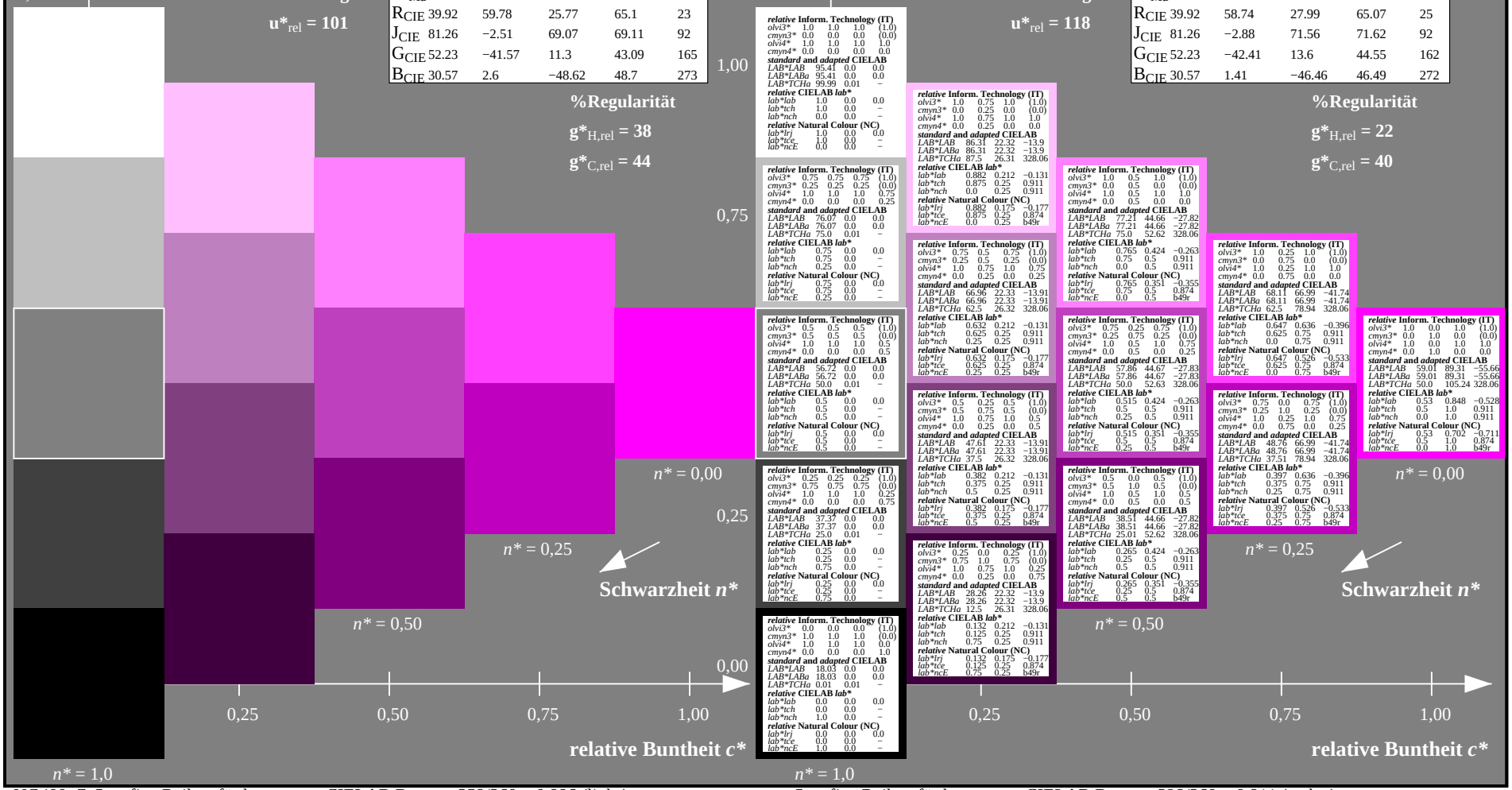


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

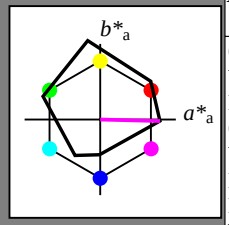
5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX

für Buntton *h* = lab*h = 359/360 = 0.996*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*$_{H,rel}$ = 38

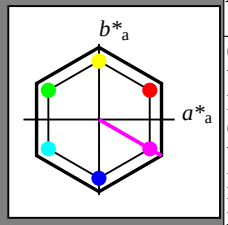
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00

für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 152

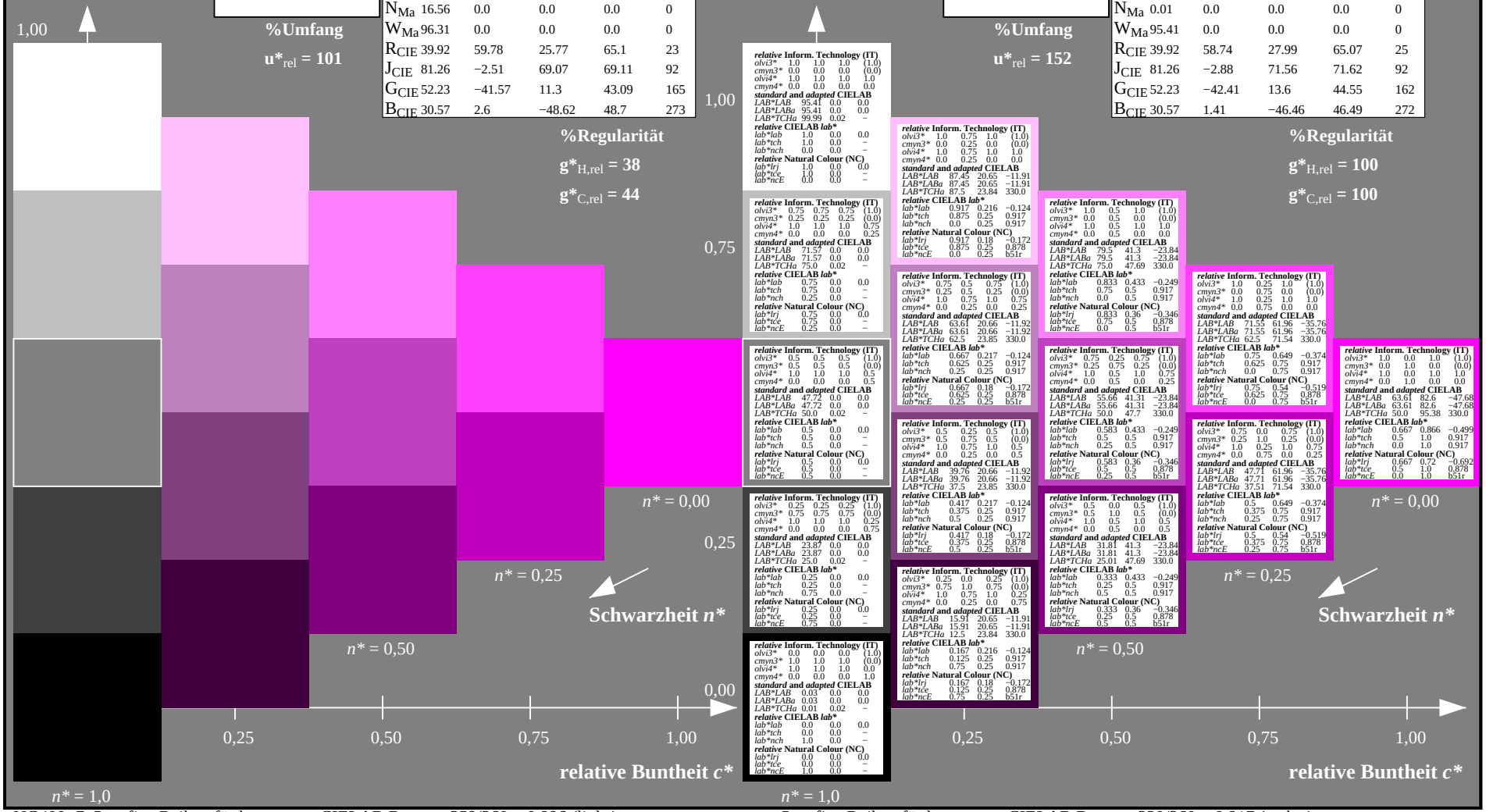
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100



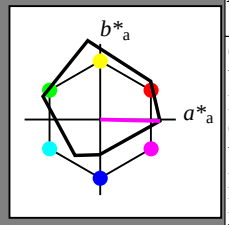
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 359/360 = 0.996*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

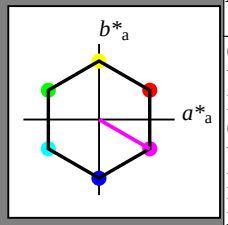
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

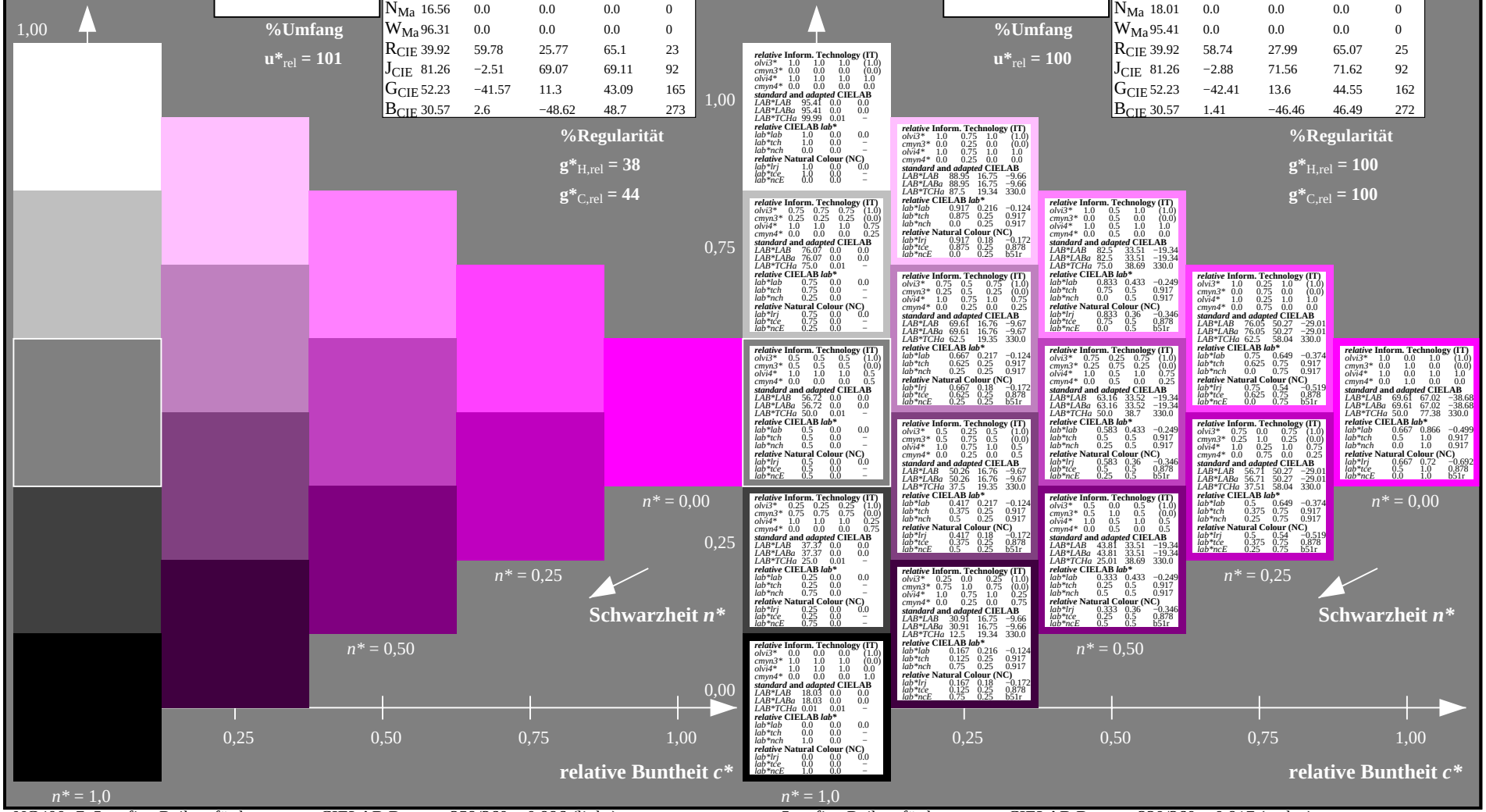


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



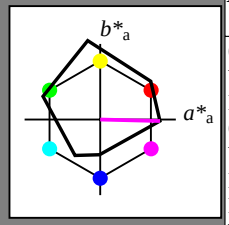
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 359/360 = 0.996*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

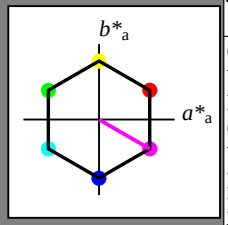
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

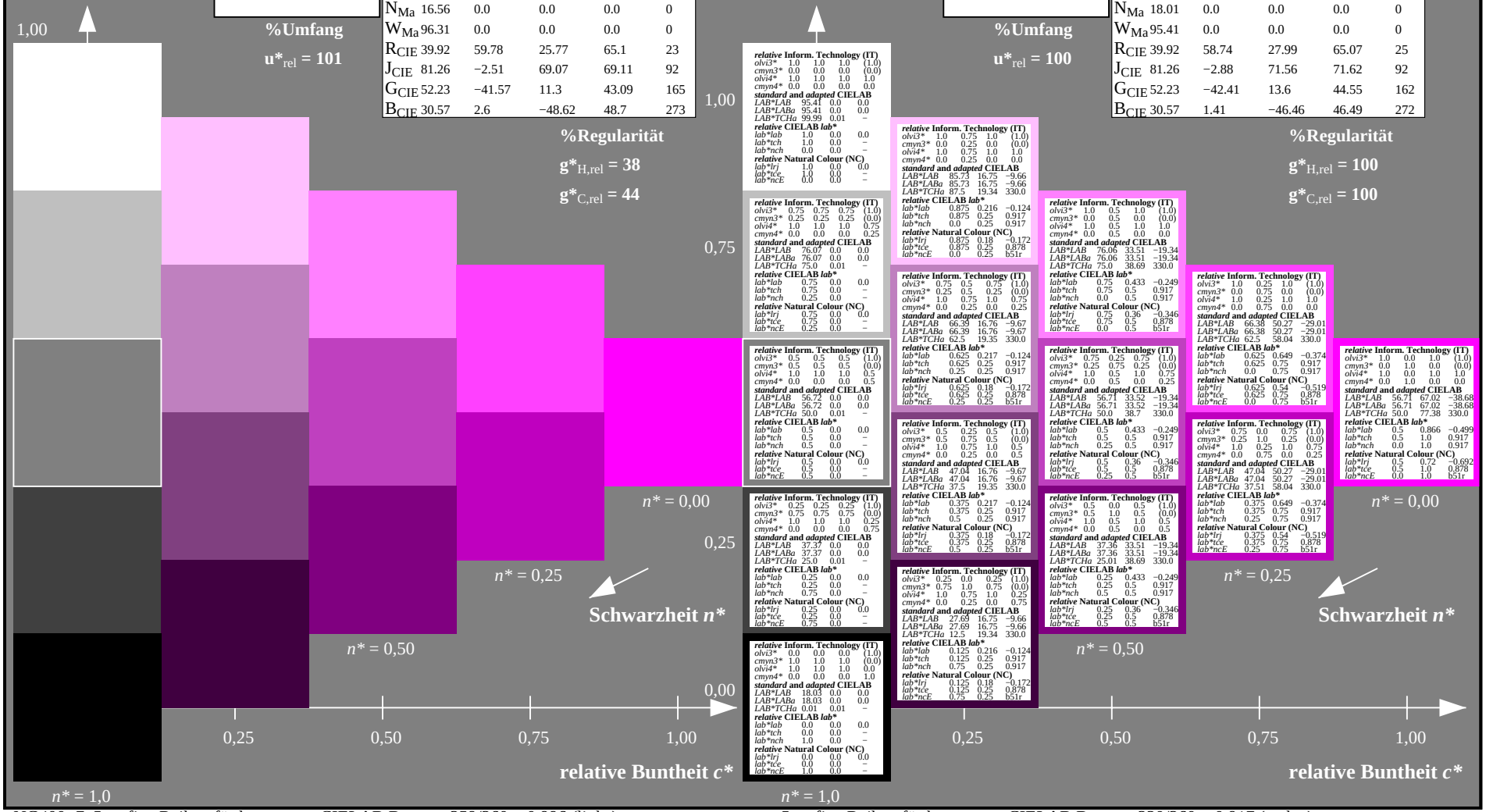


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



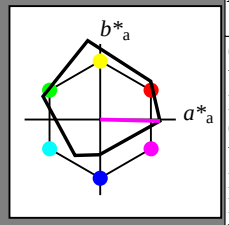
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 359/360 = 0.996*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

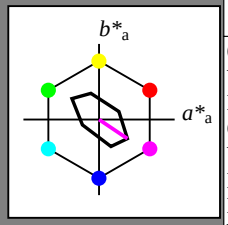
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 326/360 = 0.906*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51

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**

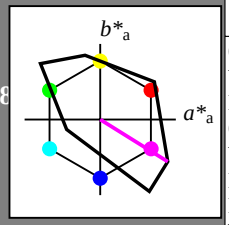
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 328/360 = 0.911*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

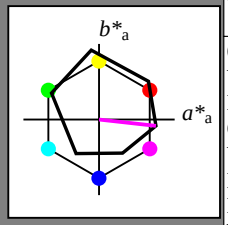
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

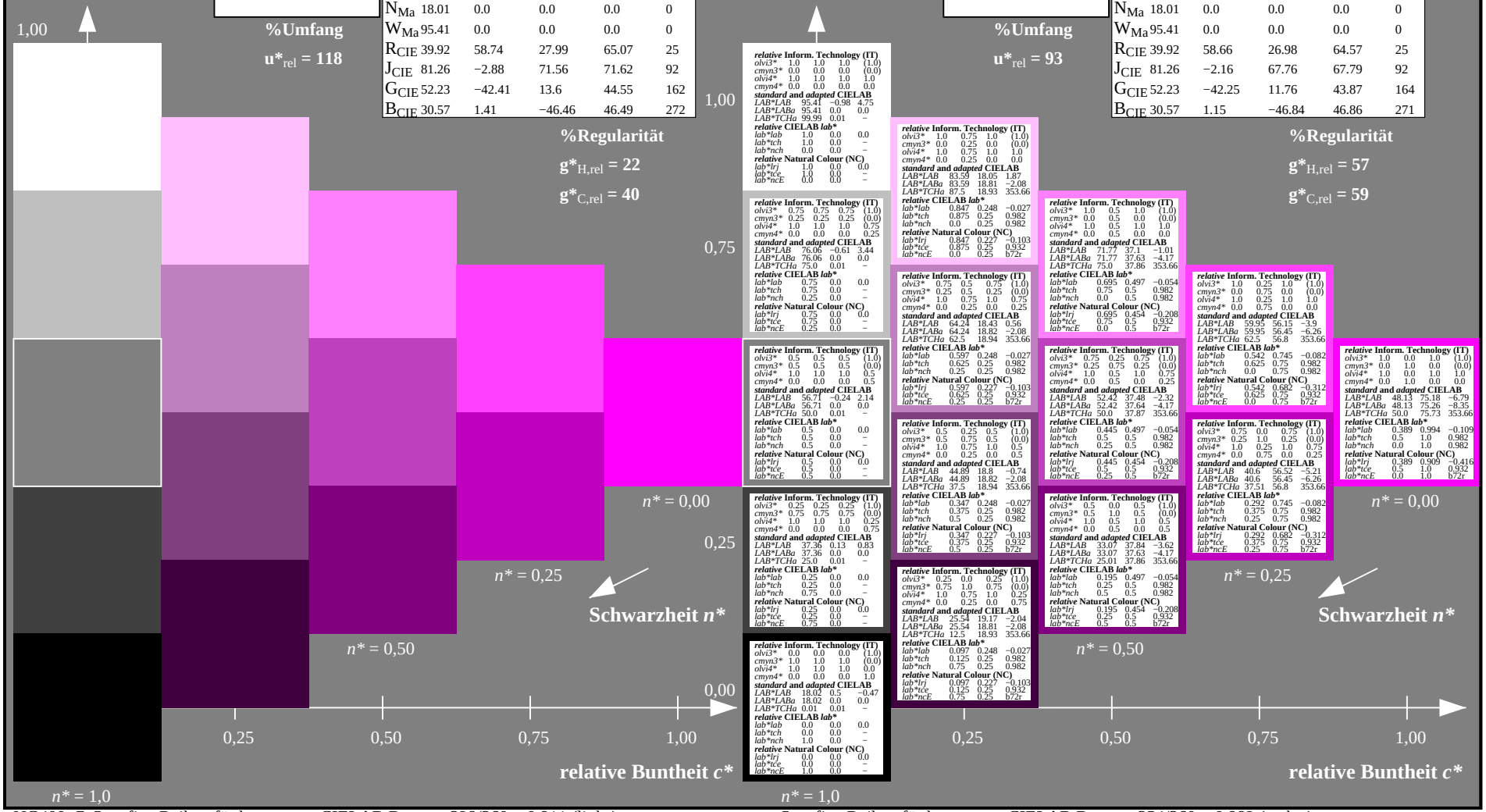


%Umfang
u^*_{rel} = 93

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



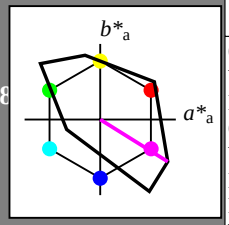
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 328/360 = 0.911**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

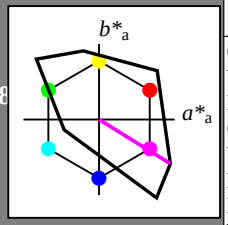
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: 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

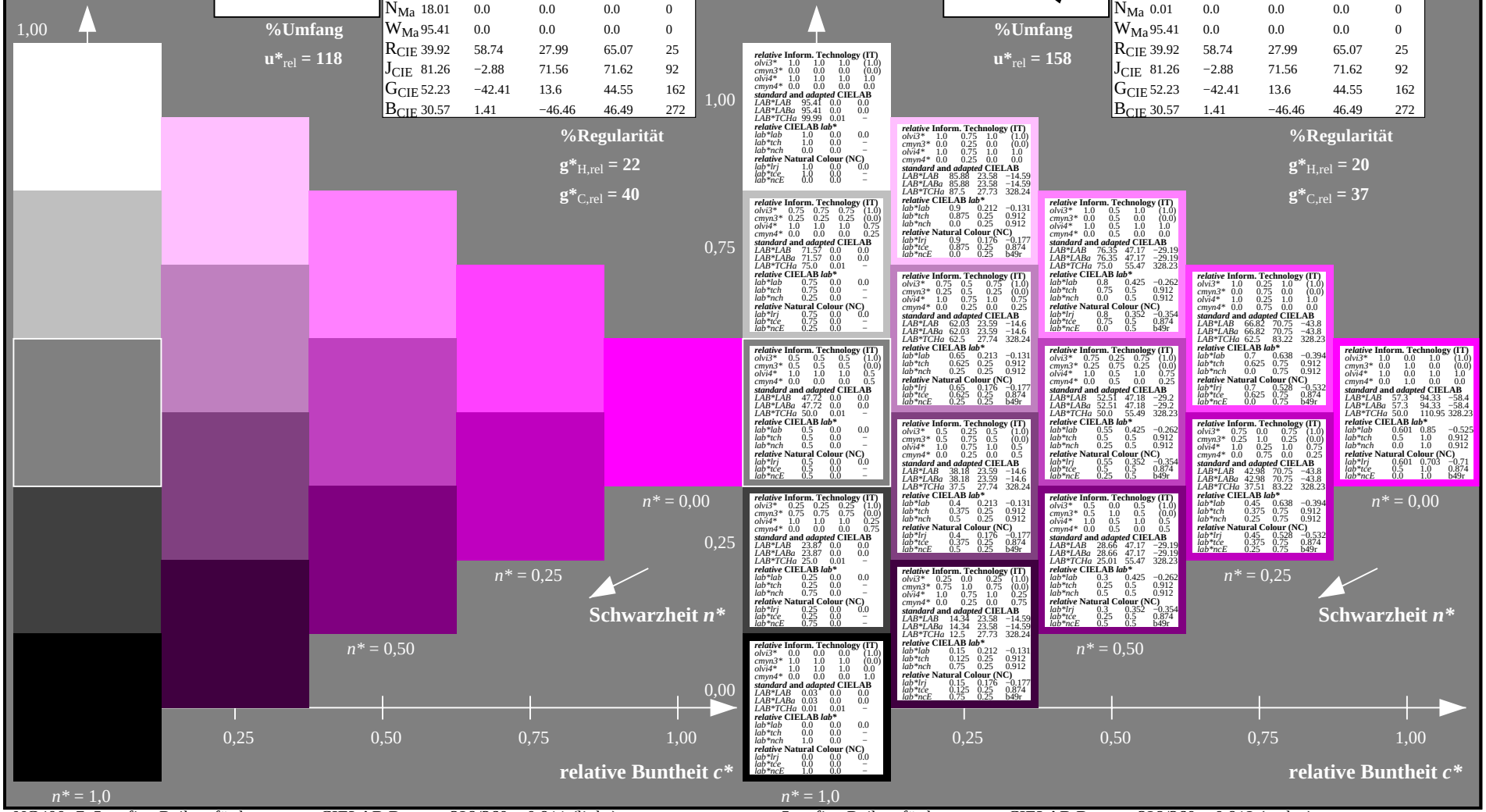


%Umfang
u^*_{rel} = 158

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



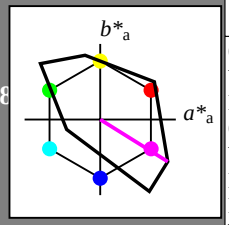
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 328/360 = 0.911***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

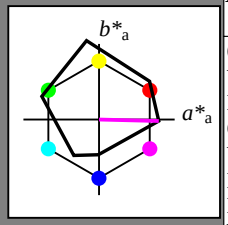
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

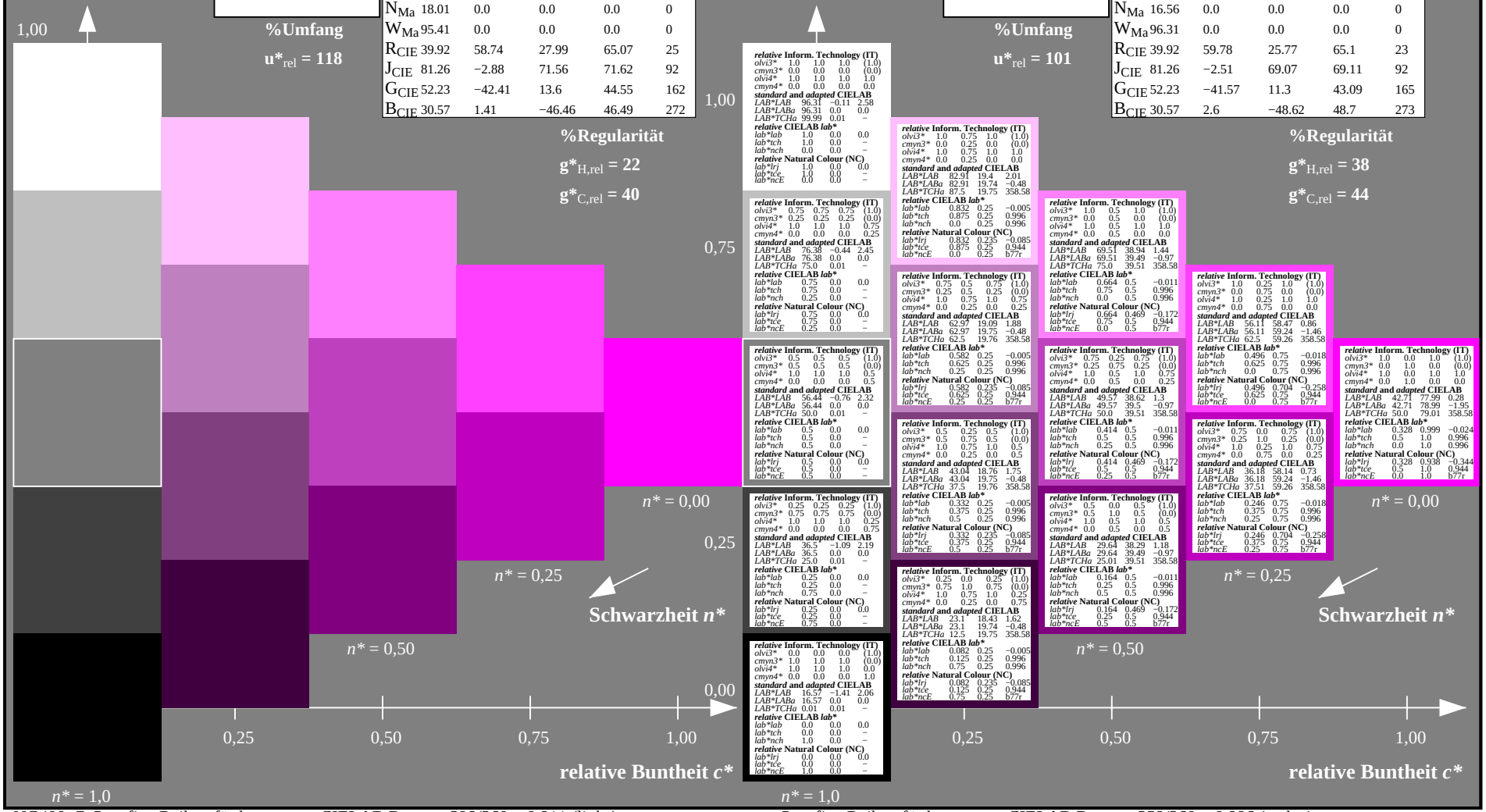


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



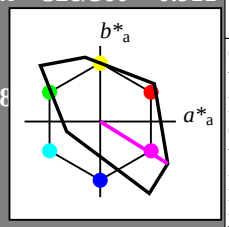
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 328/360 = 0.911*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

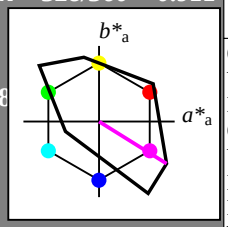
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 328/360 = 0.911*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

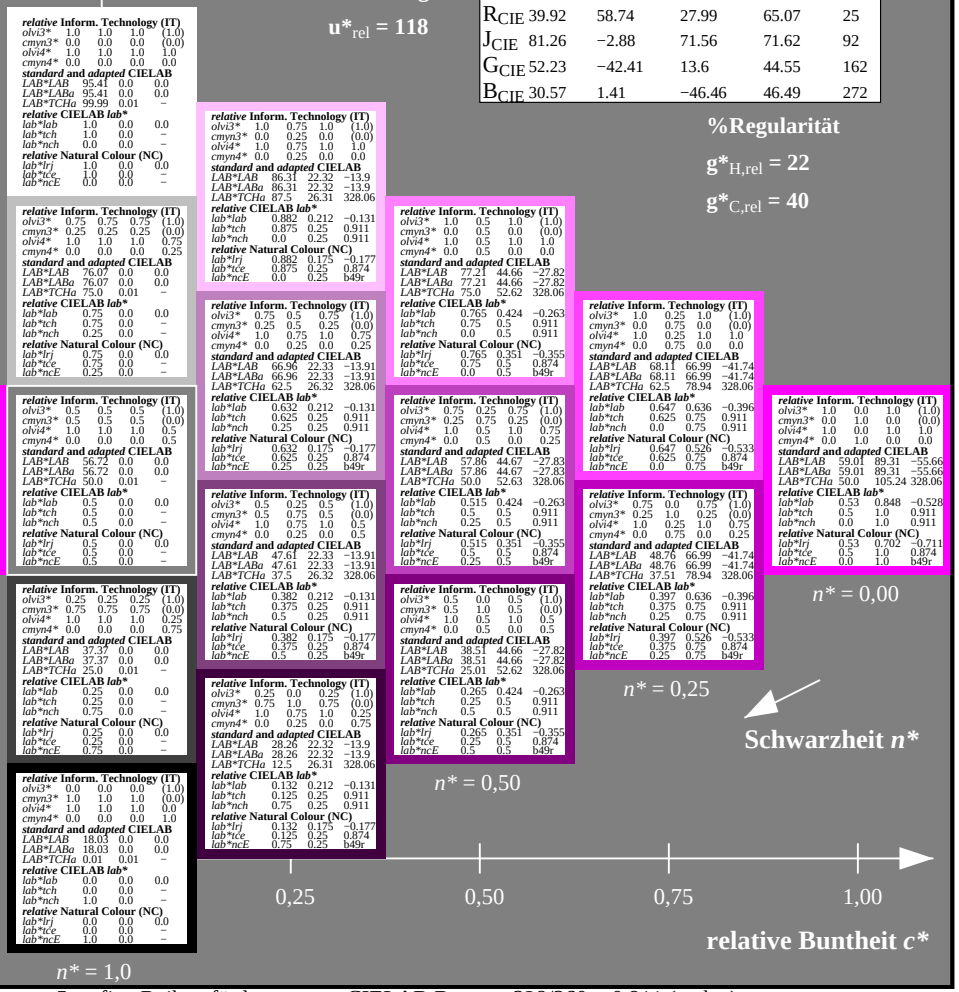
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40



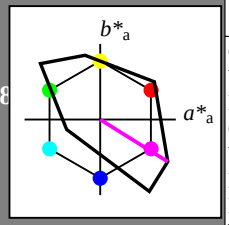
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 328/360 = 0.911***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

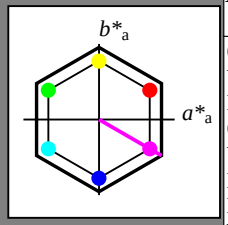
%Regularität
g*H,rel = 22
g*C,rel = 40

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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

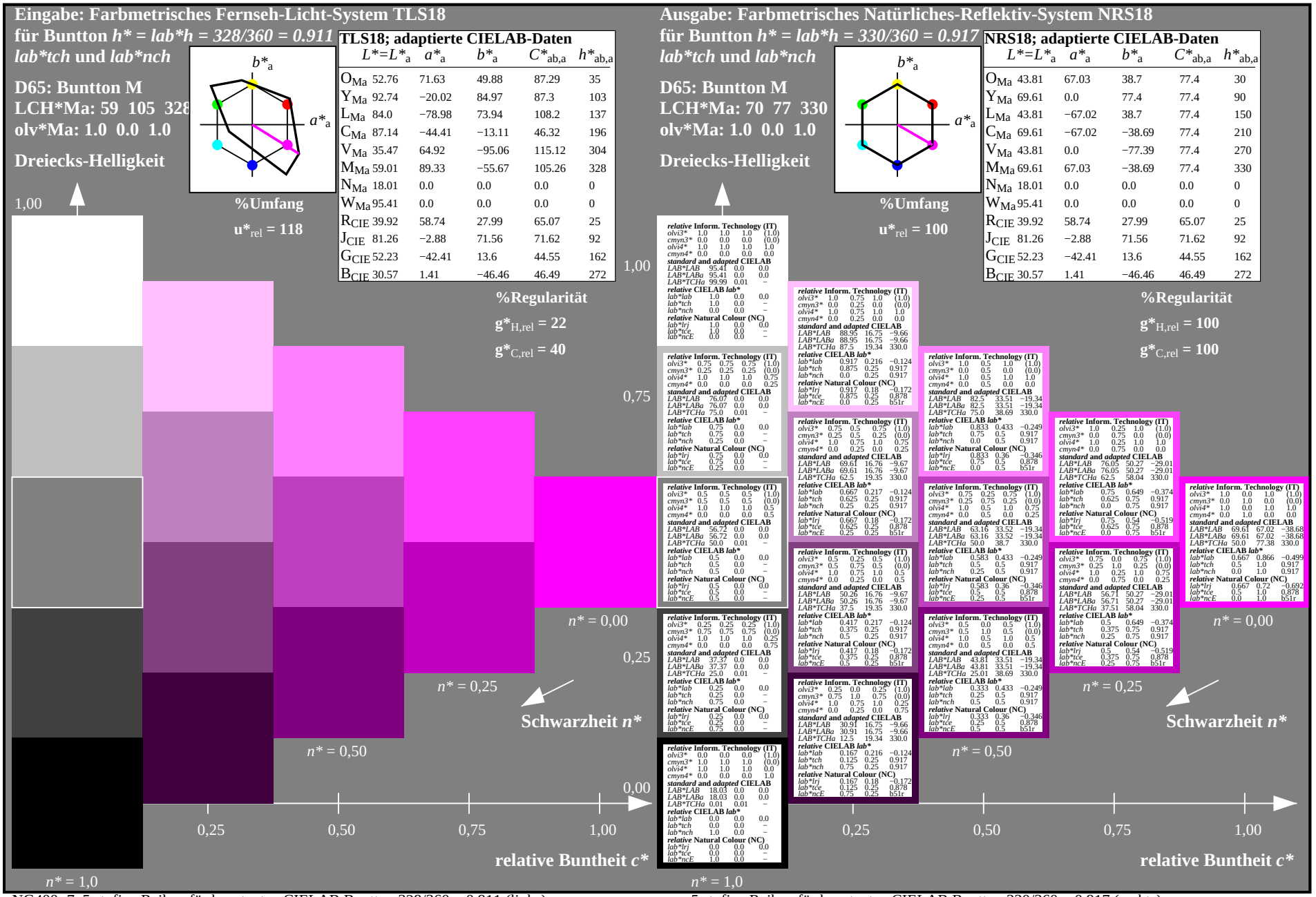
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)



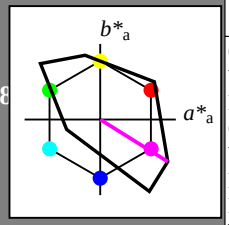
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 328/360 = 0.911***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

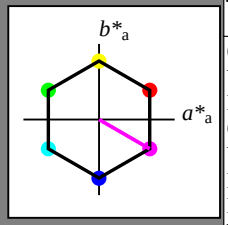
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

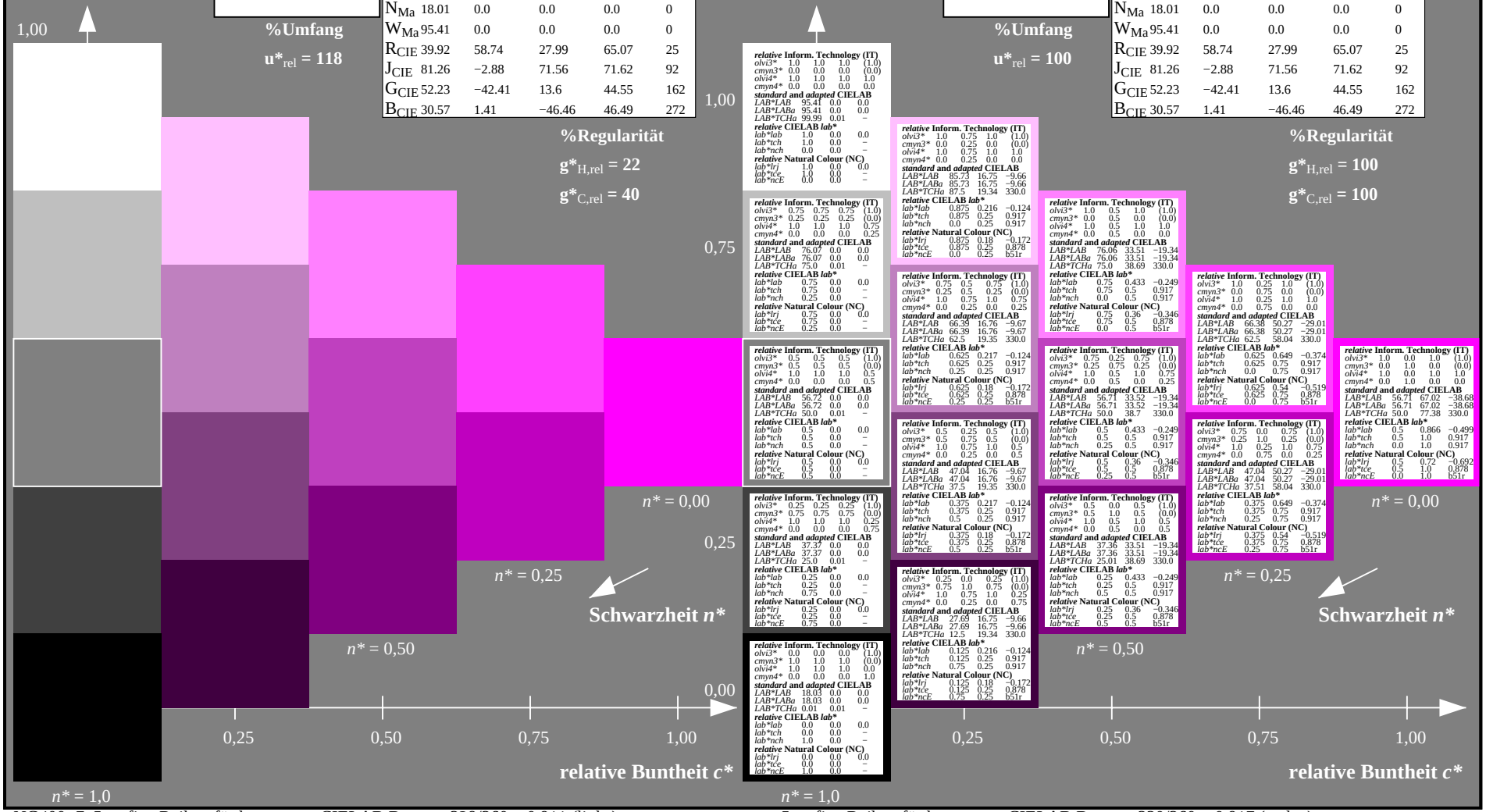


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



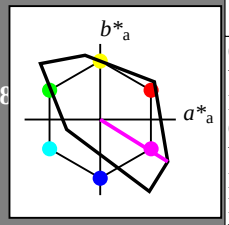
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 328/360 = 0.911***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

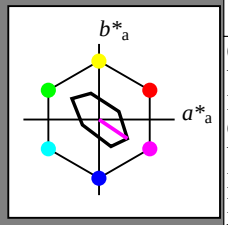
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

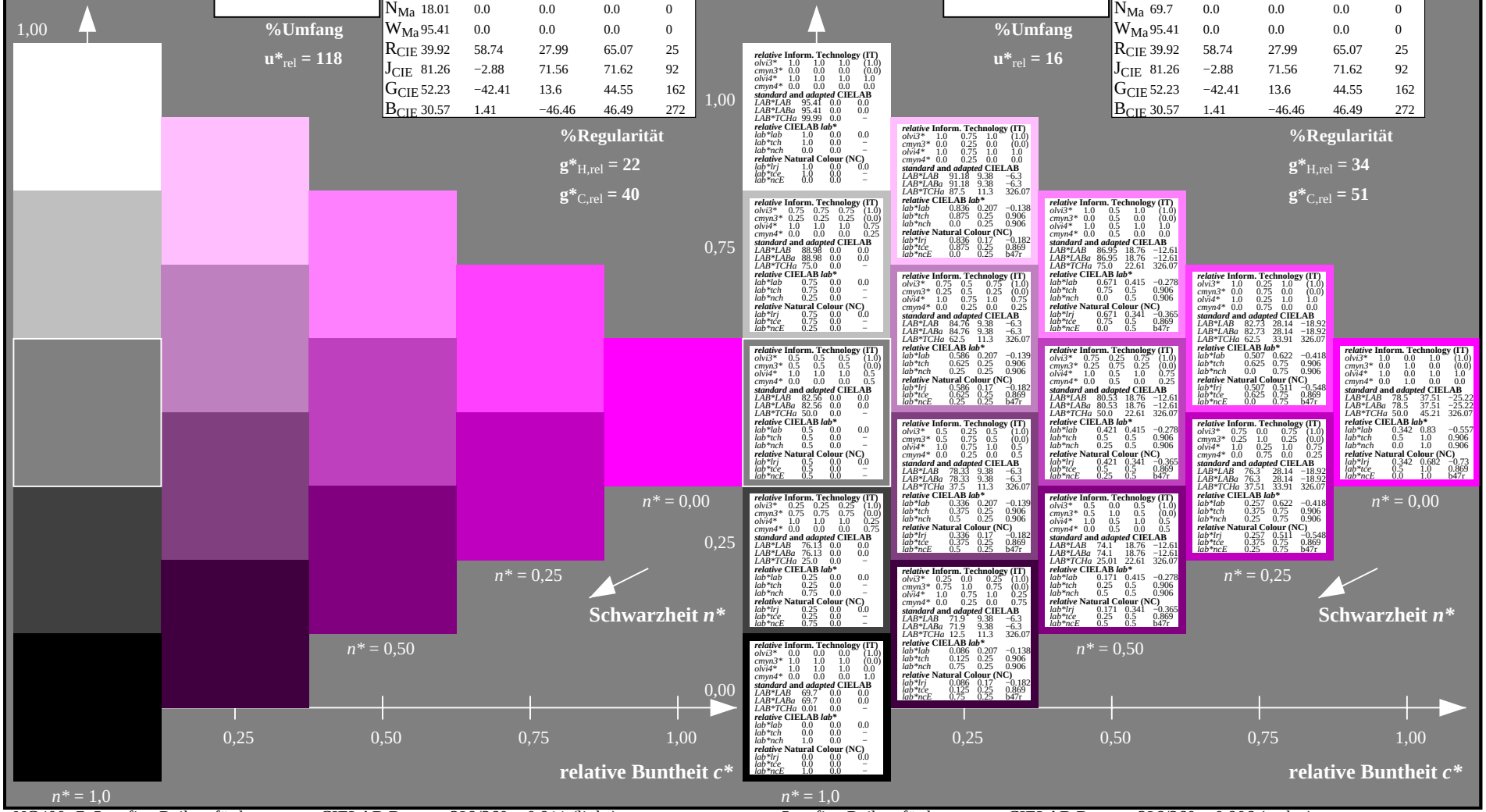


%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51



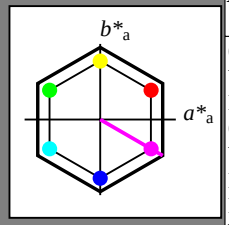
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

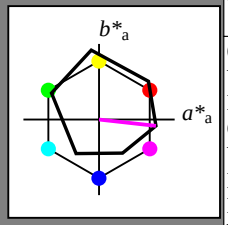
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

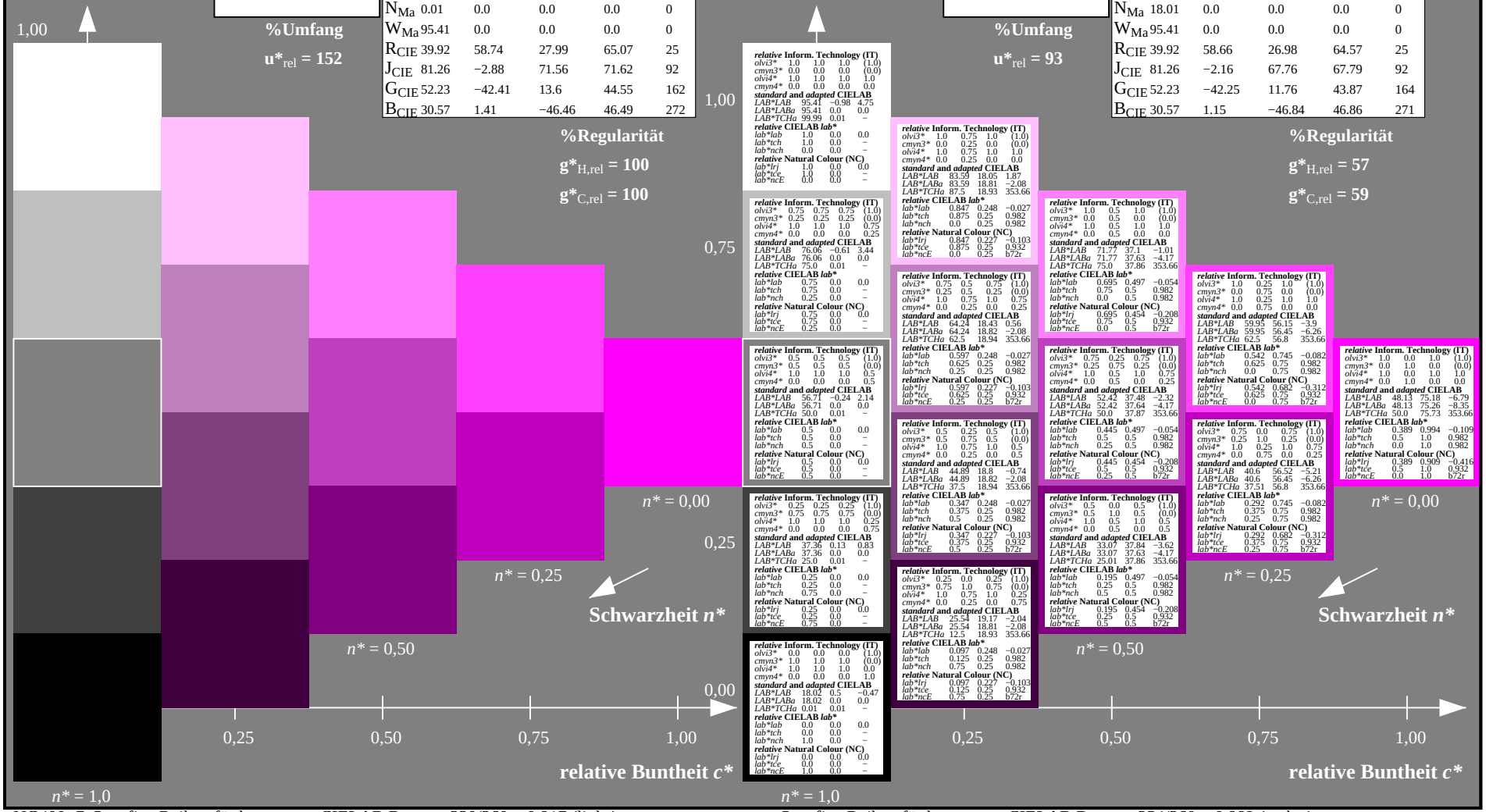


%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

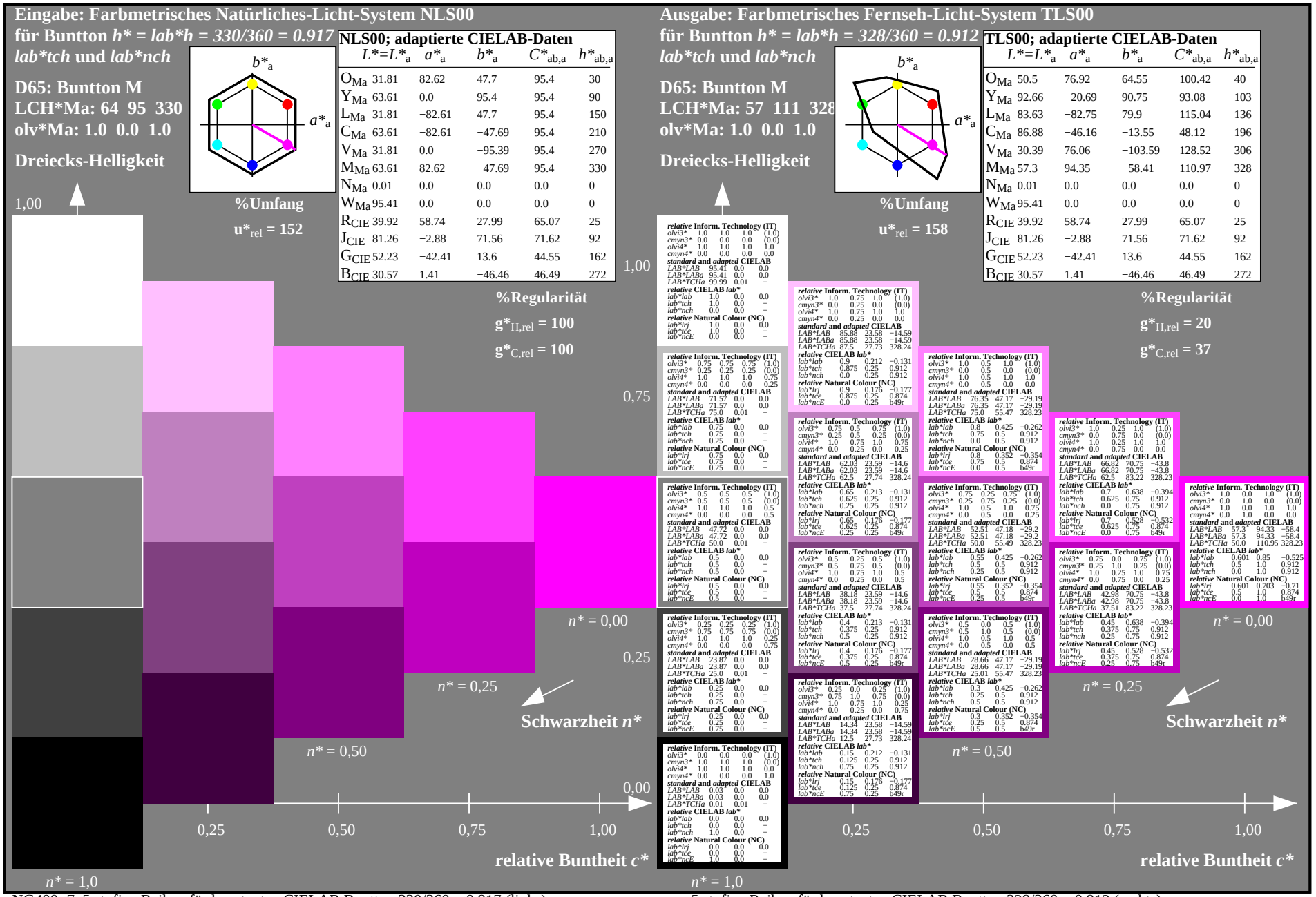
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)



NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

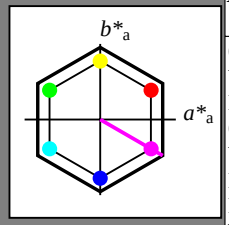
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

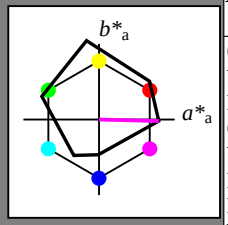
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

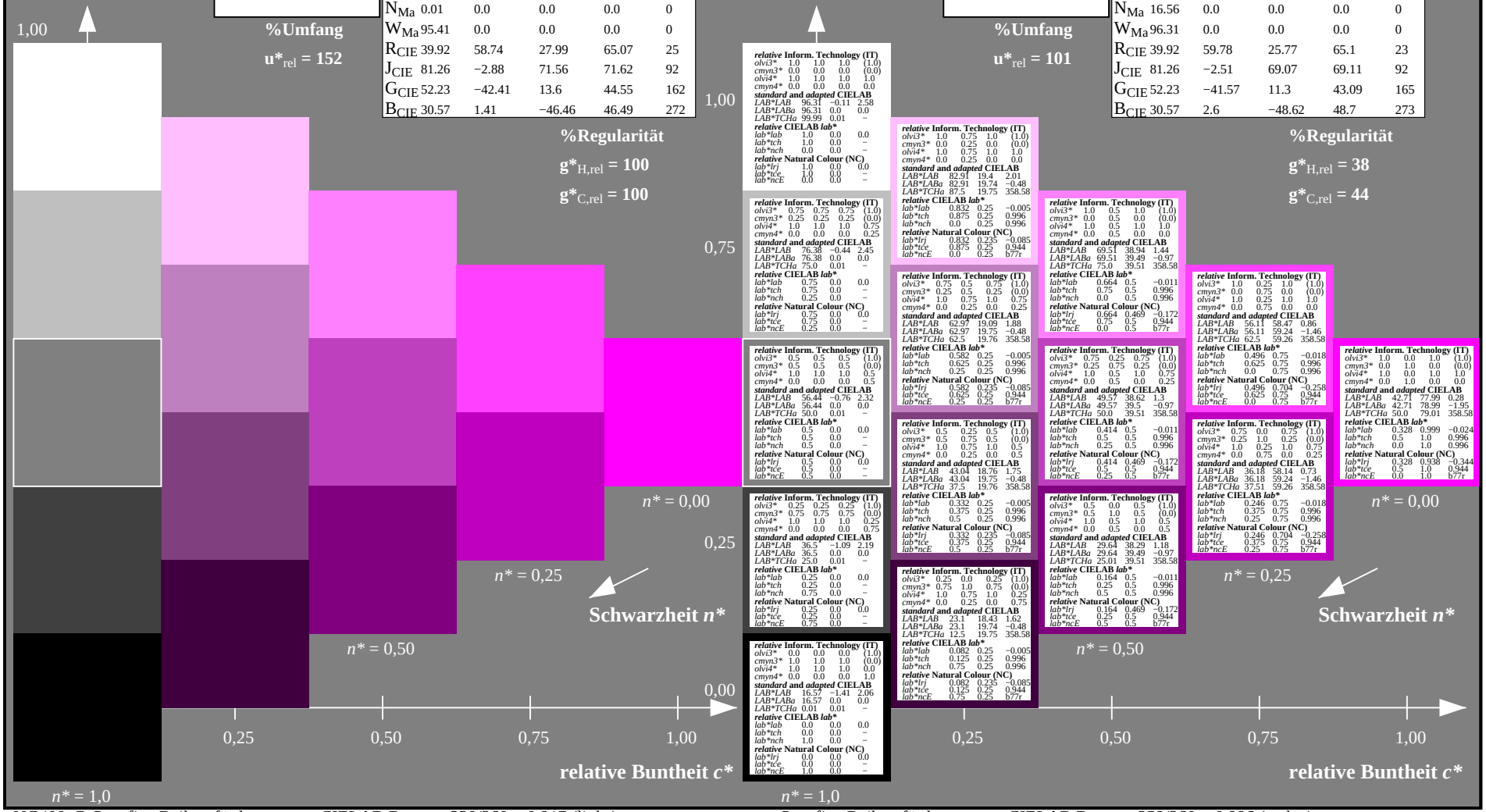


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



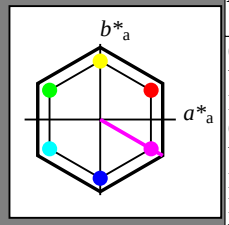
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

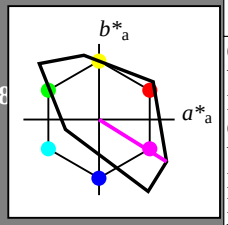
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 328/360 = 0.911**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

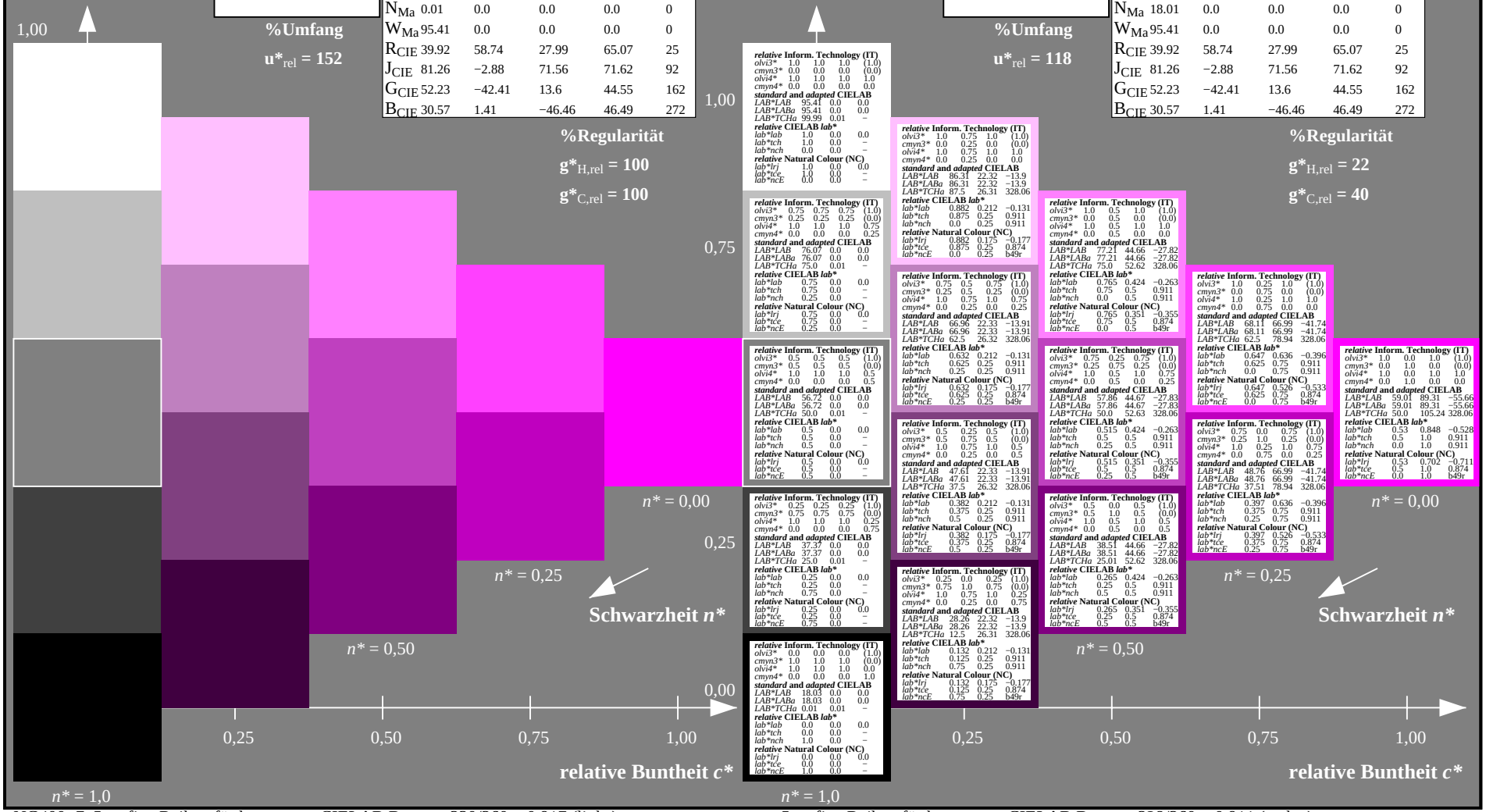


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



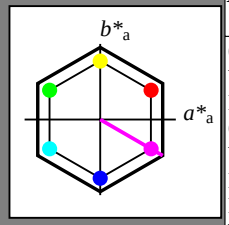
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

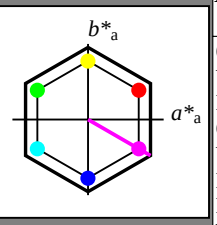
%Regularität
g*H,rel = 100
g*C,rel = 100

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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

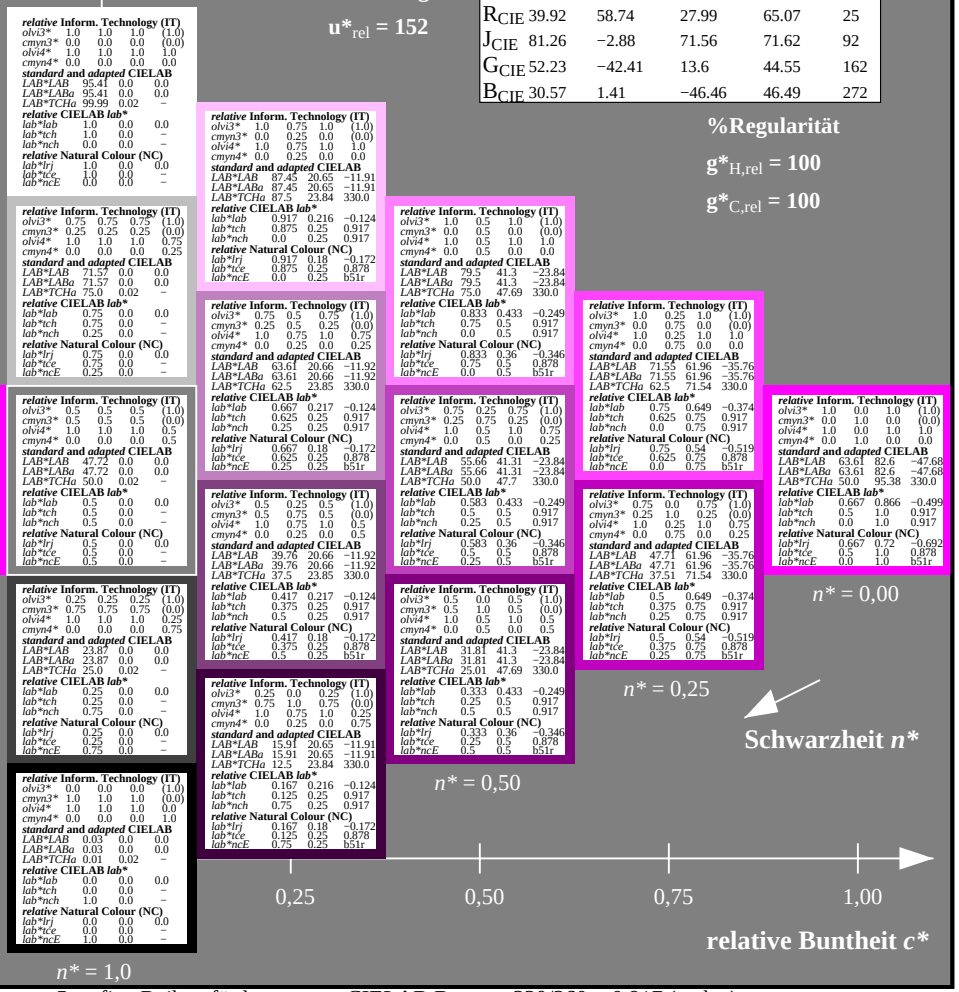


%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



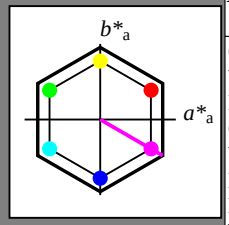
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

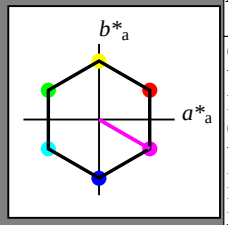
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

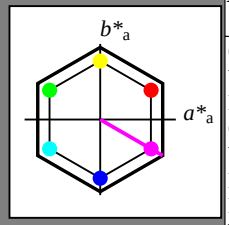
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

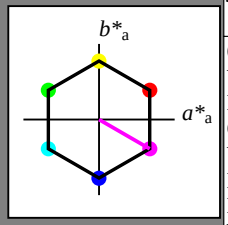
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

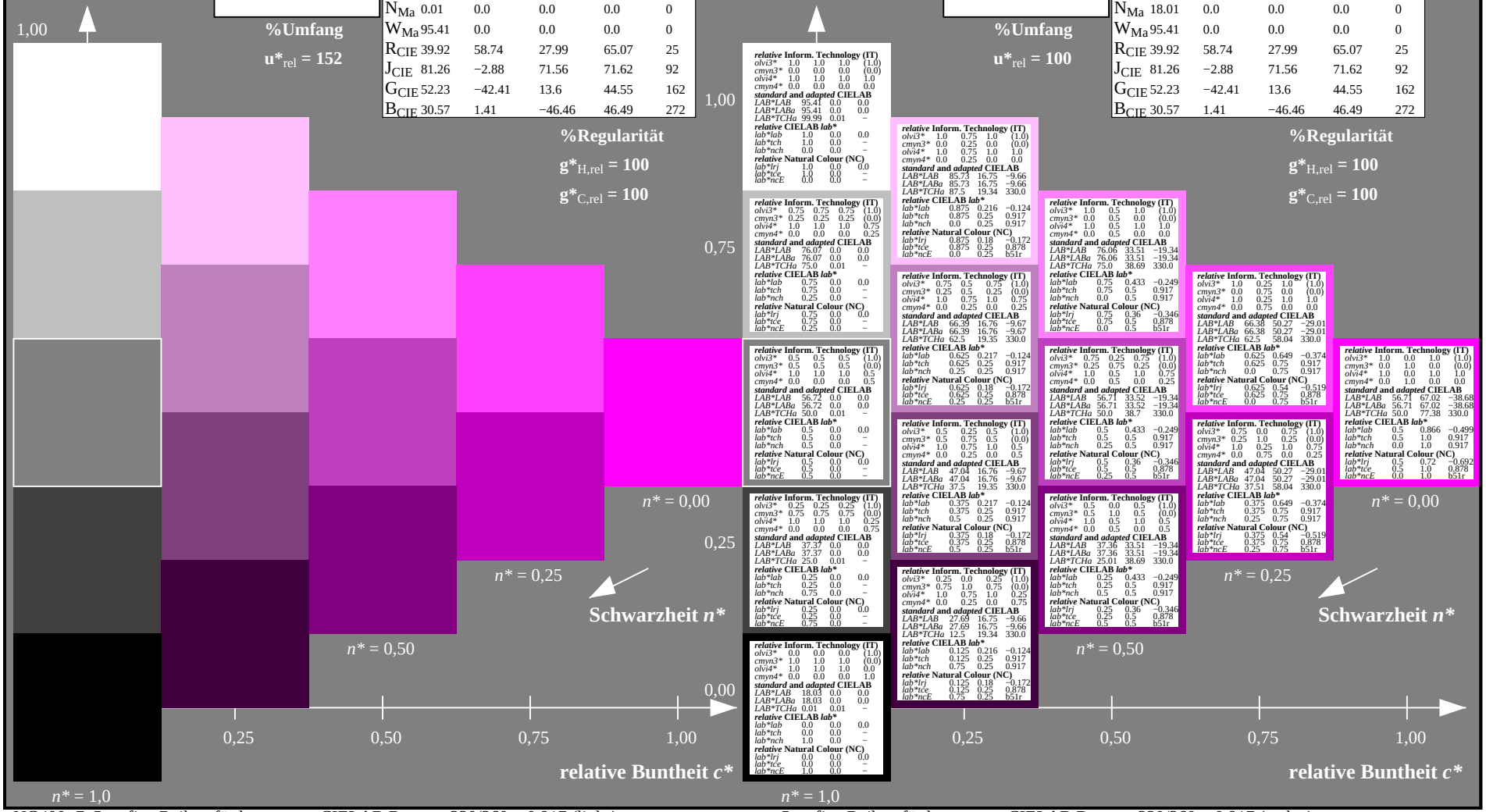


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



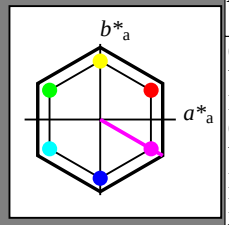
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

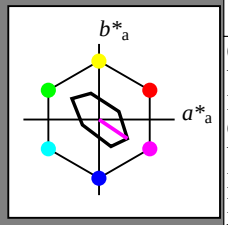
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

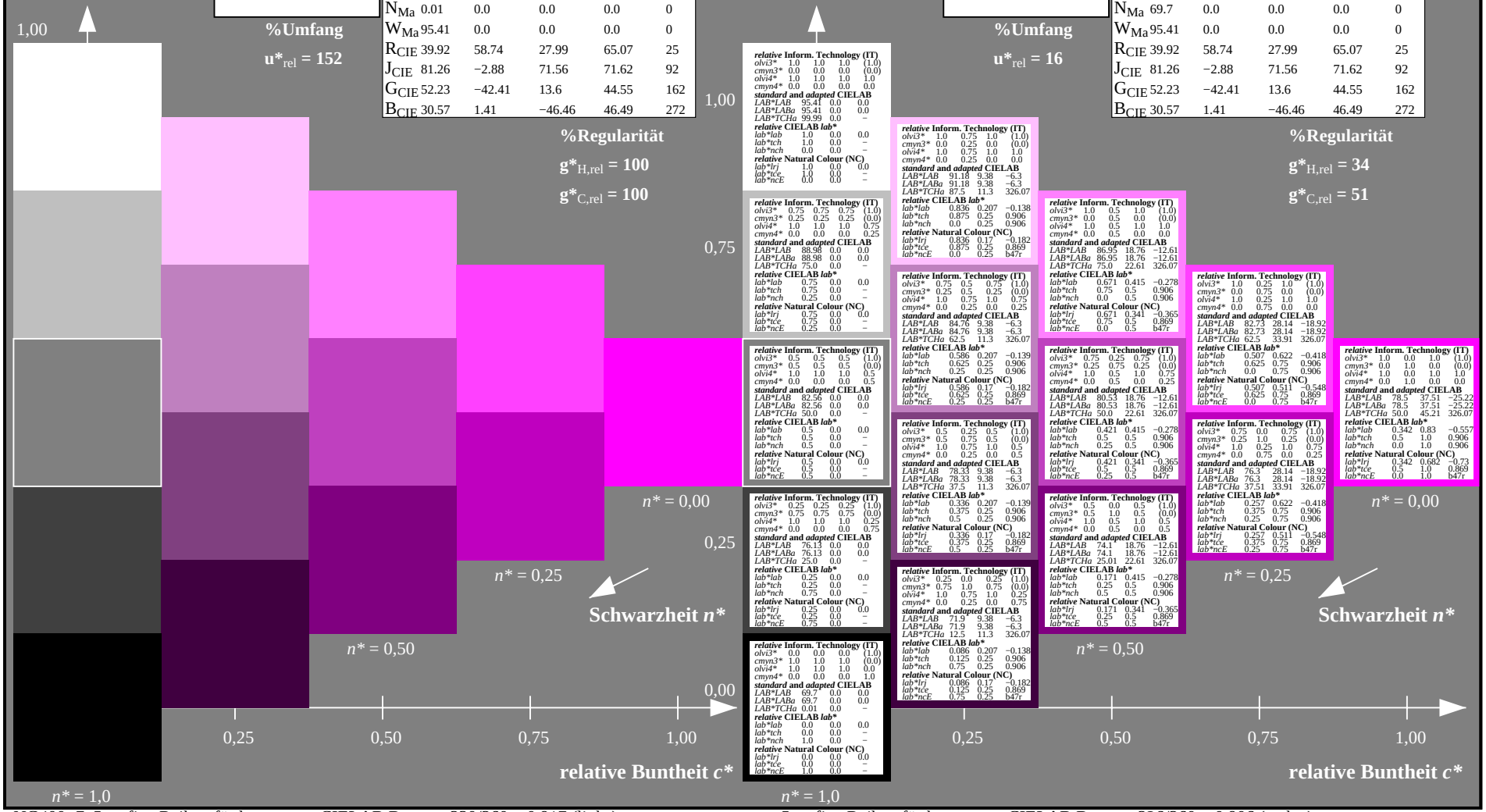


%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

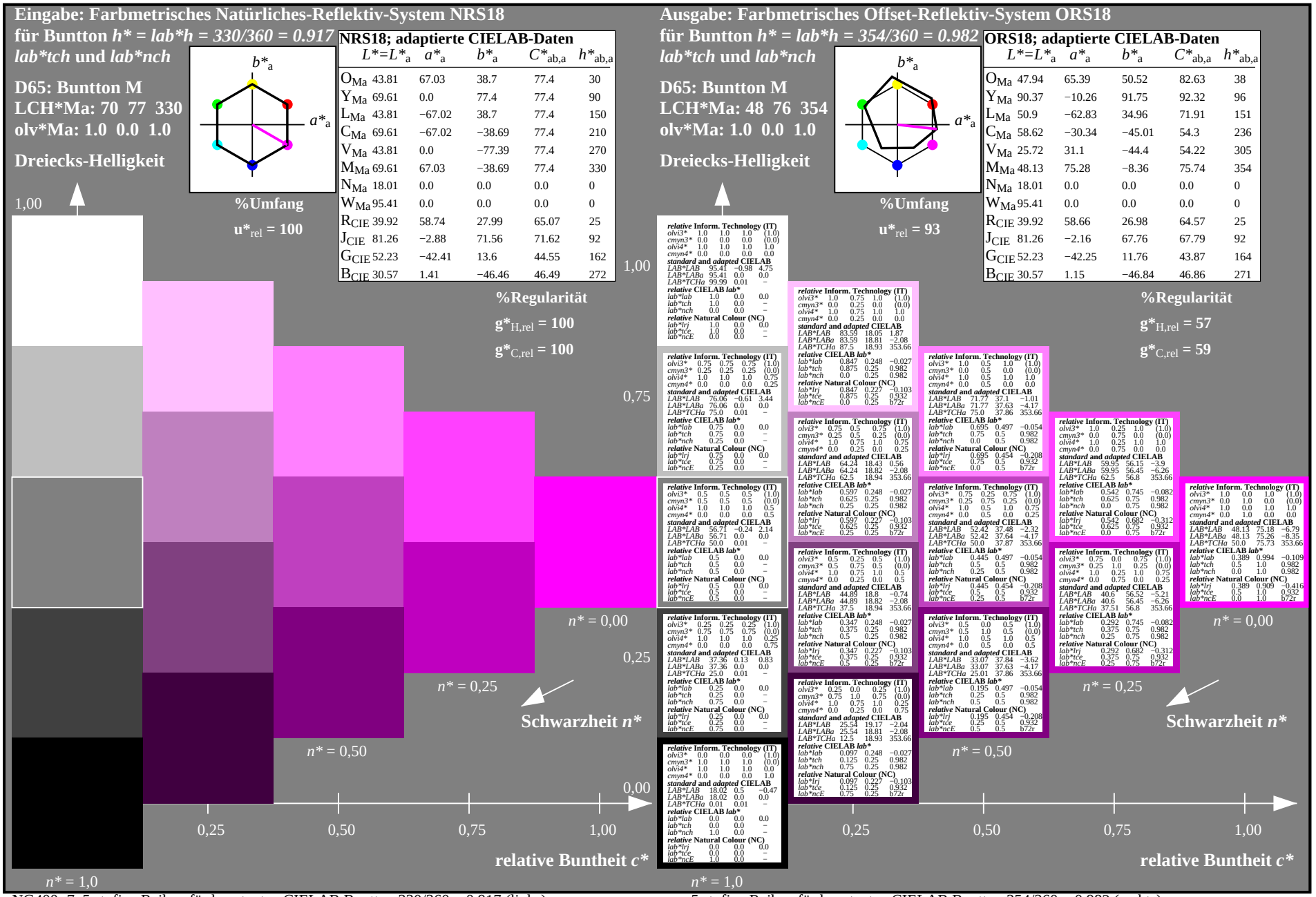
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)



NRS18; adaptierte CIELAB-Daten

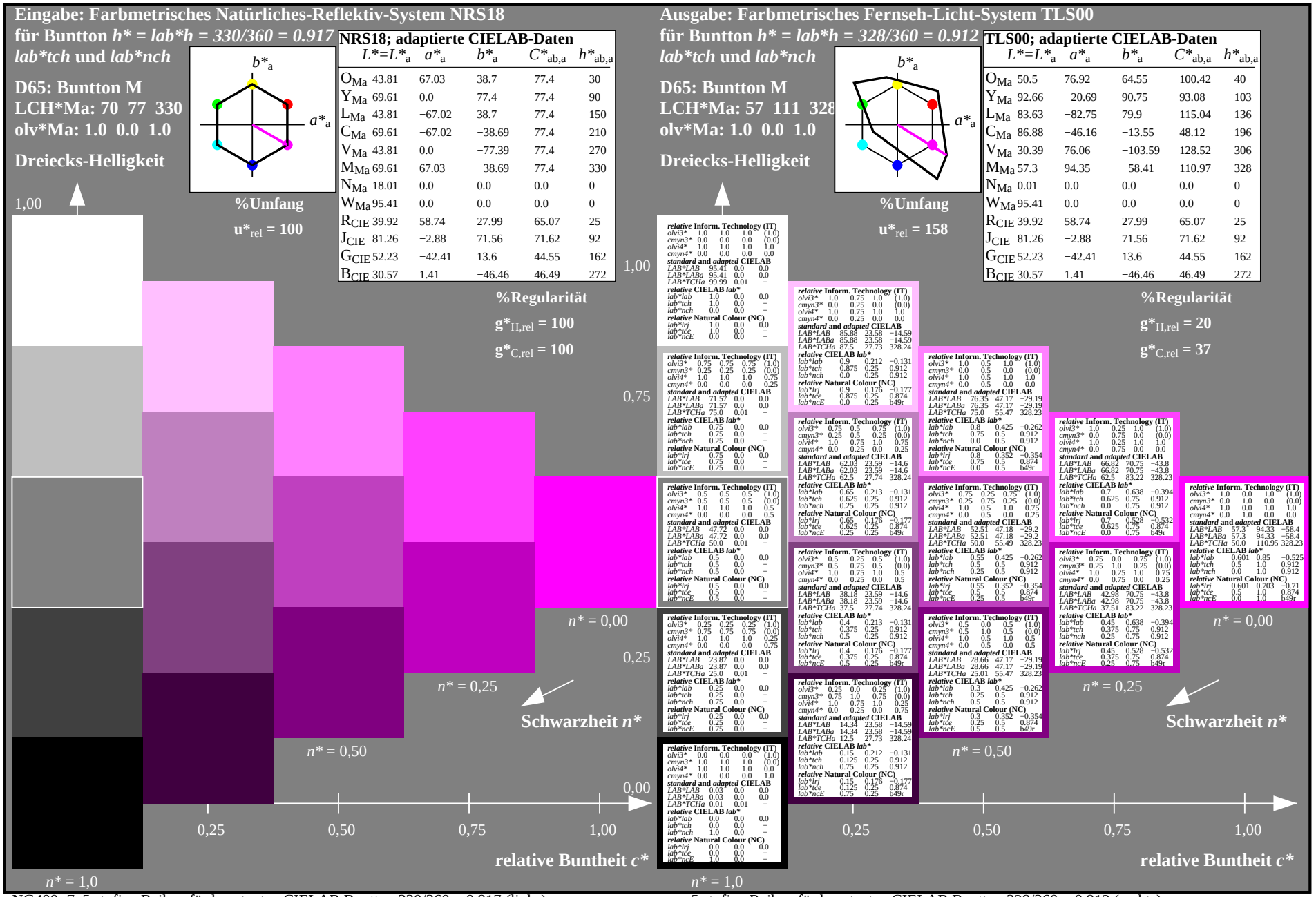
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)



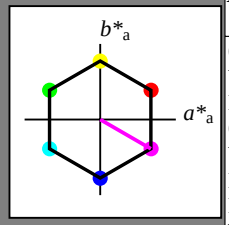
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

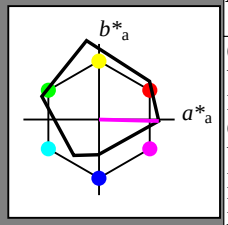
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

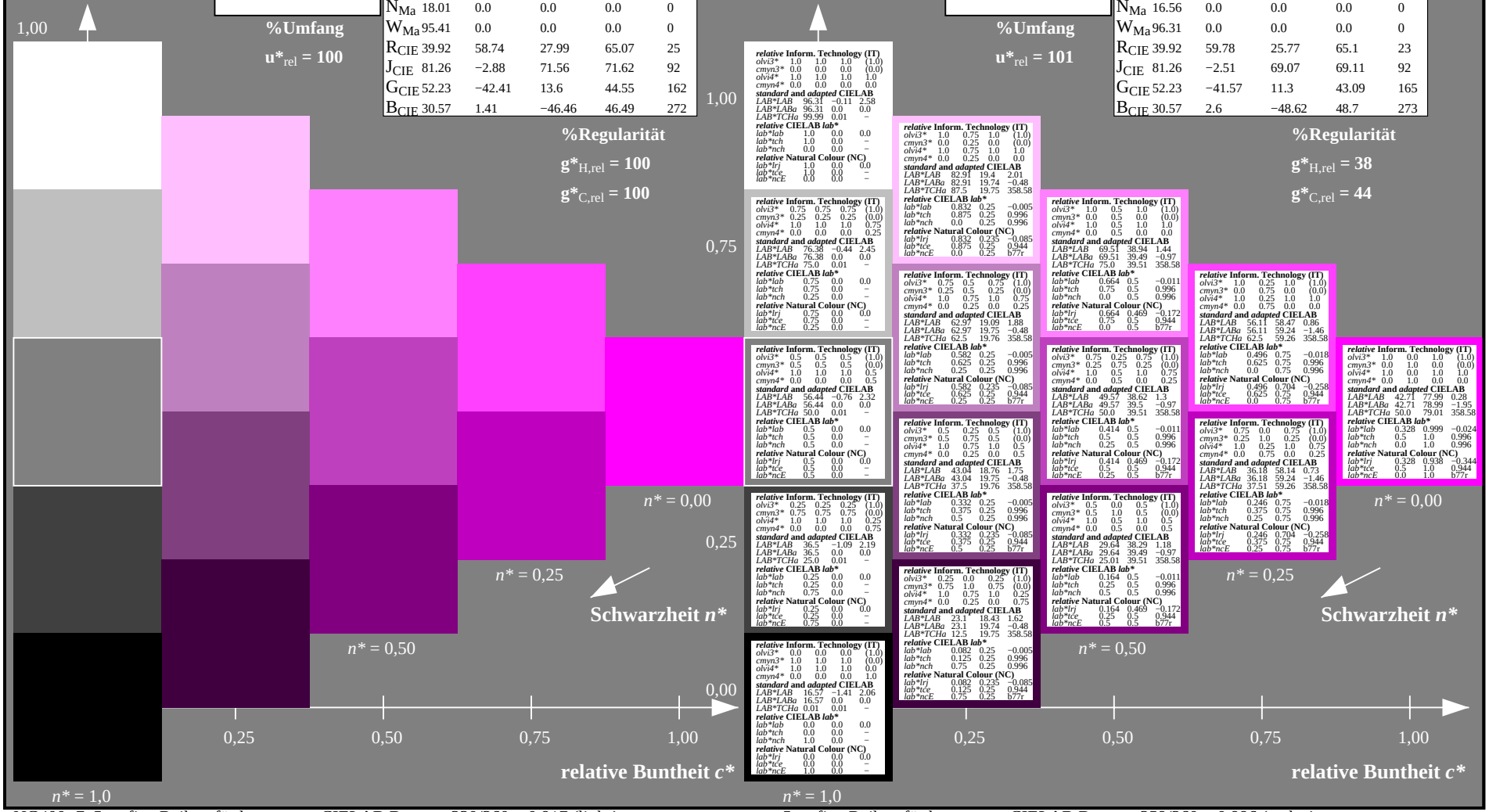


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



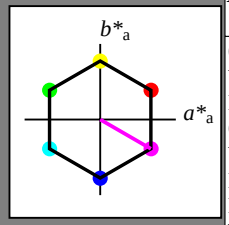
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

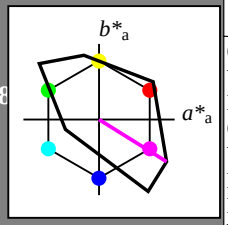
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 328/360 = 0.911*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

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**

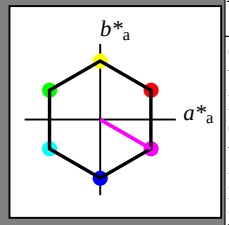
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

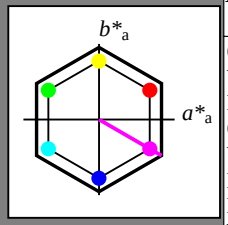
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

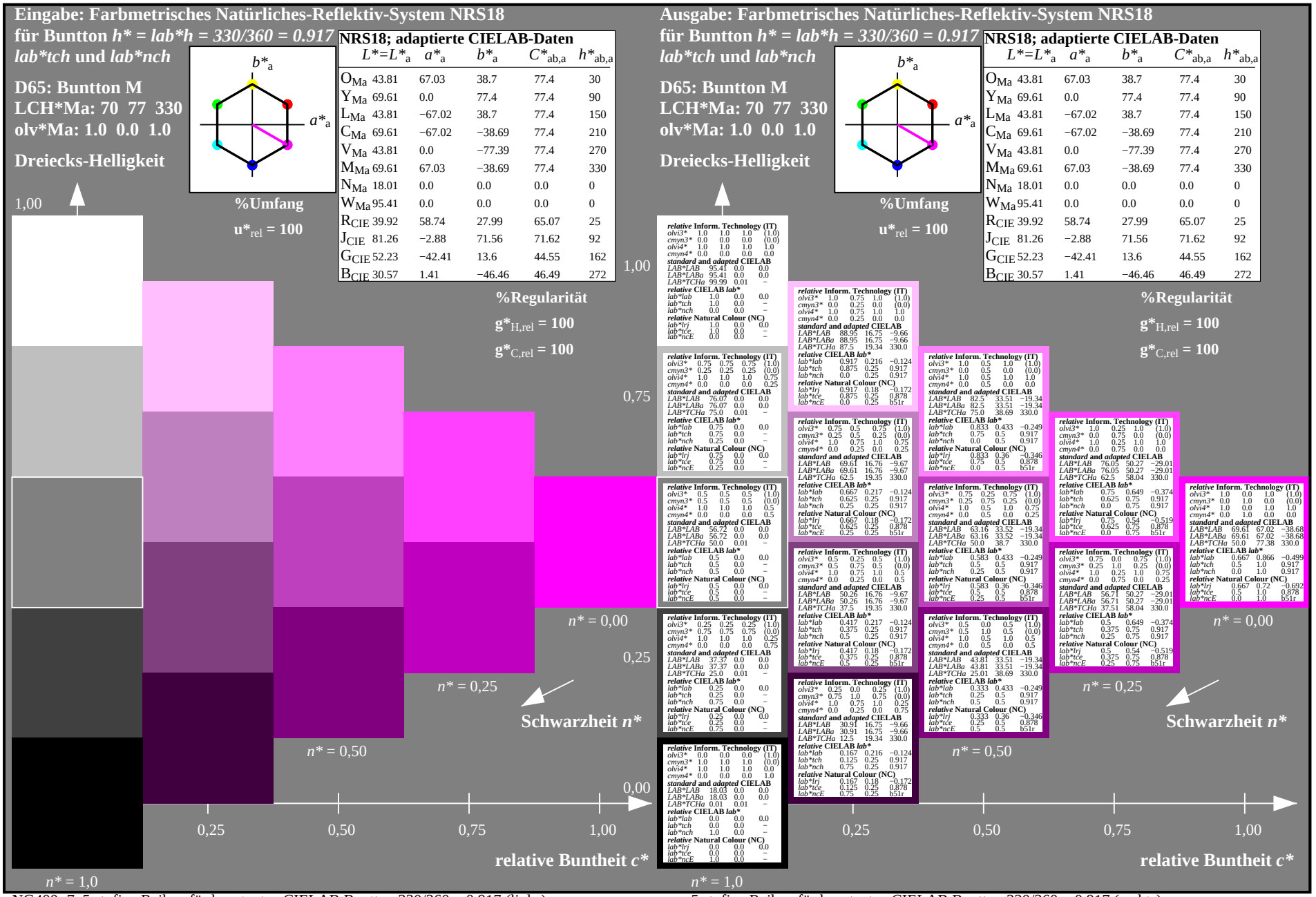
0,25 0,50 0,75 1,00

Schwarzheit *n**

relative Buntheit *c**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)



NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

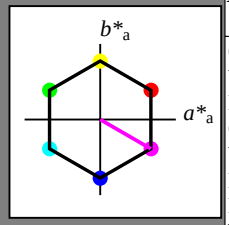
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

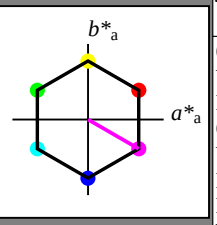
%Regularität
g*H,rel = 100
g*C,rel = 100

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917**
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

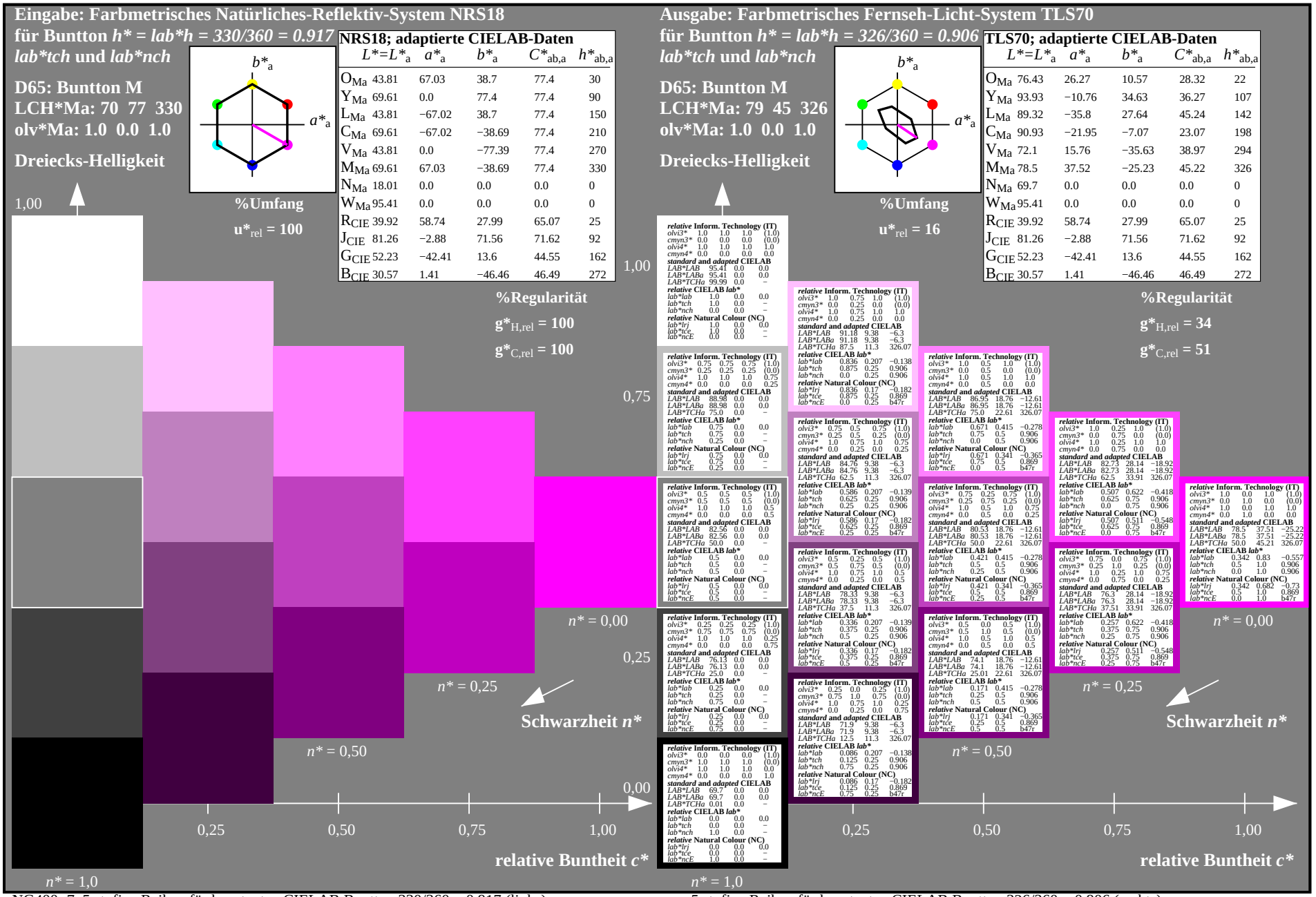
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)



NRS18; adaptierte CIELAB-Daten

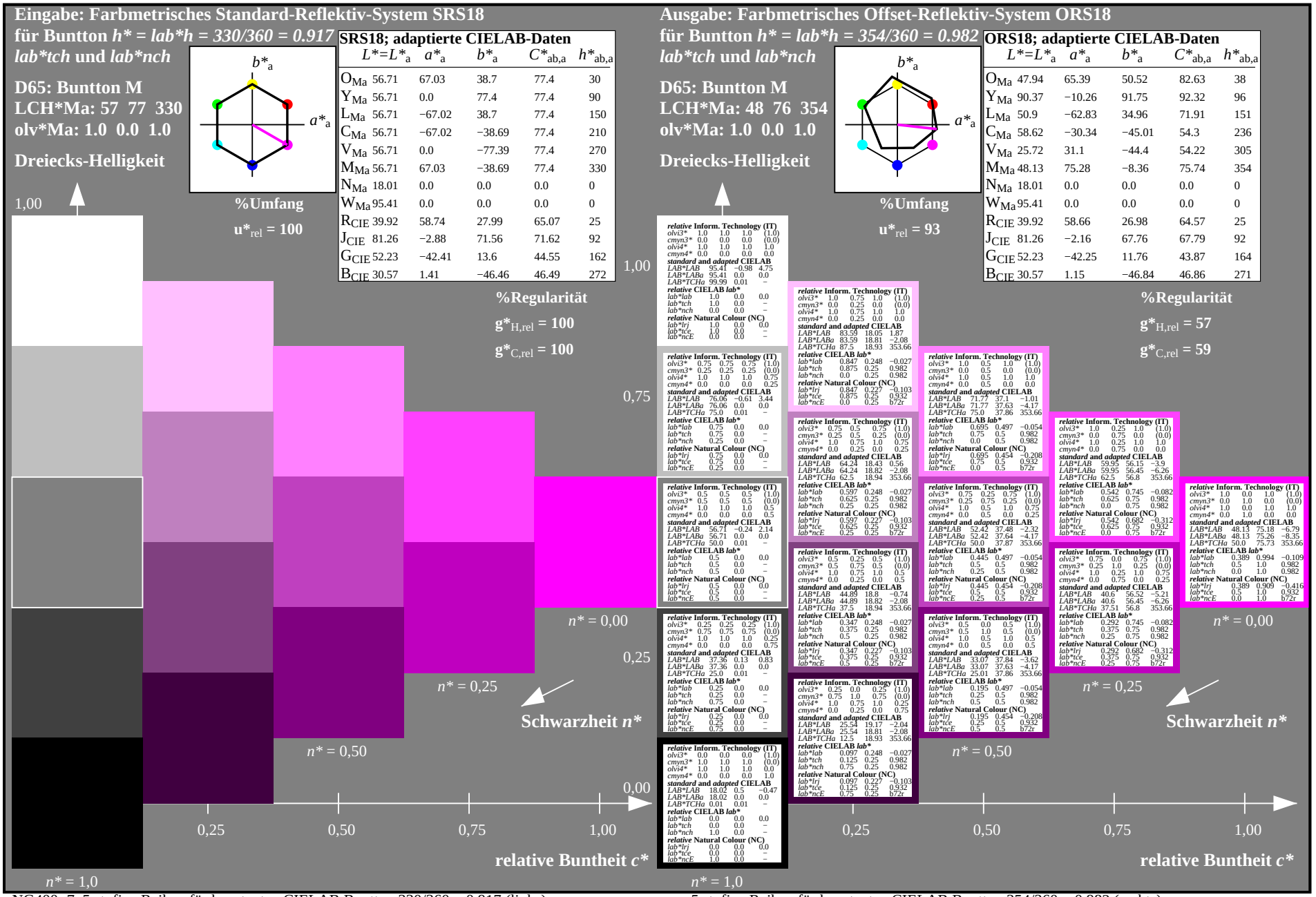
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)



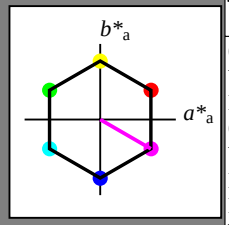
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

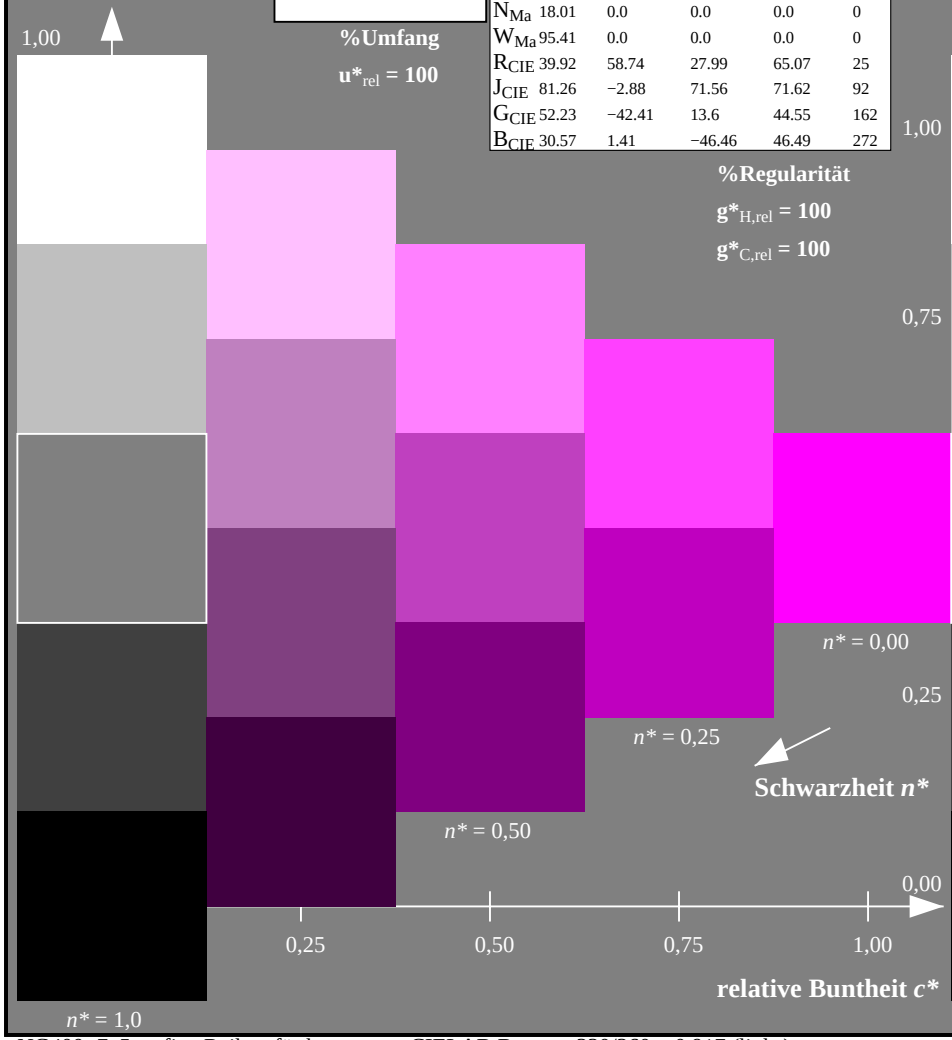


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

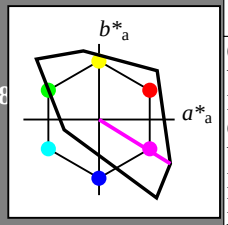
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



Ausgabe: 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

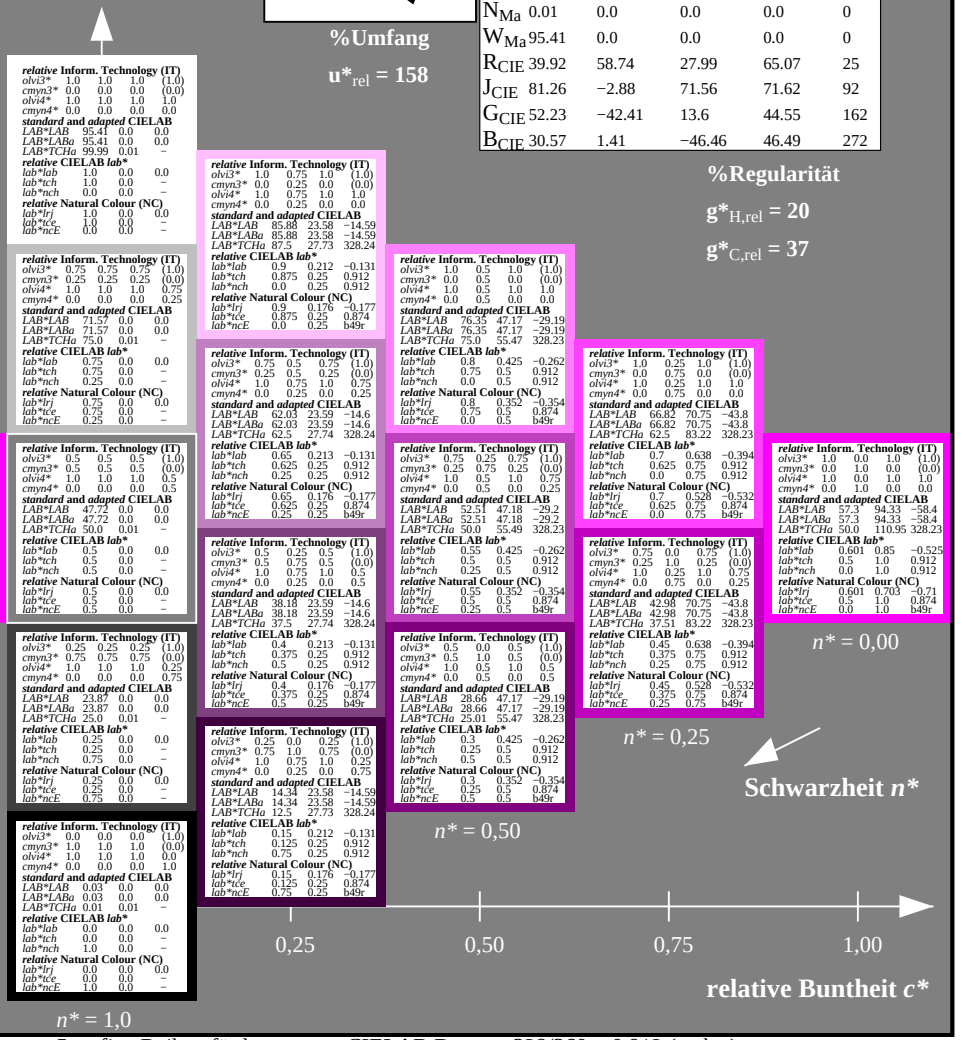


%Umfang
u*$_{rel}$ = 158

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



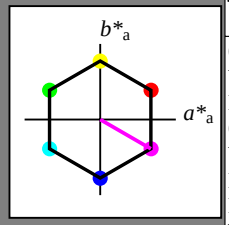
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

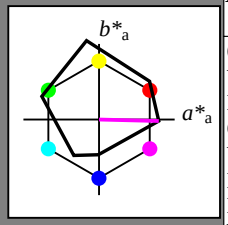
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

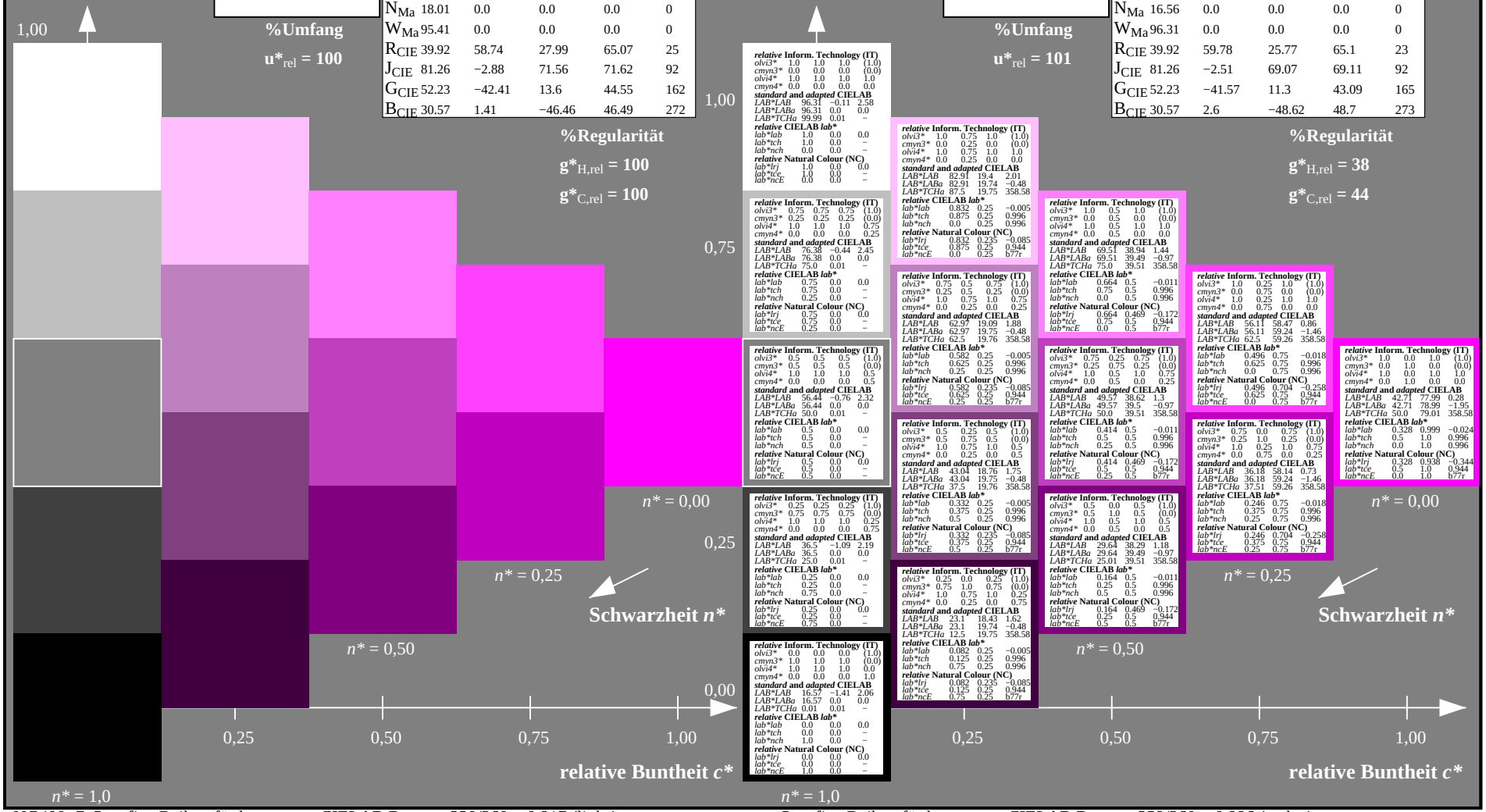


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

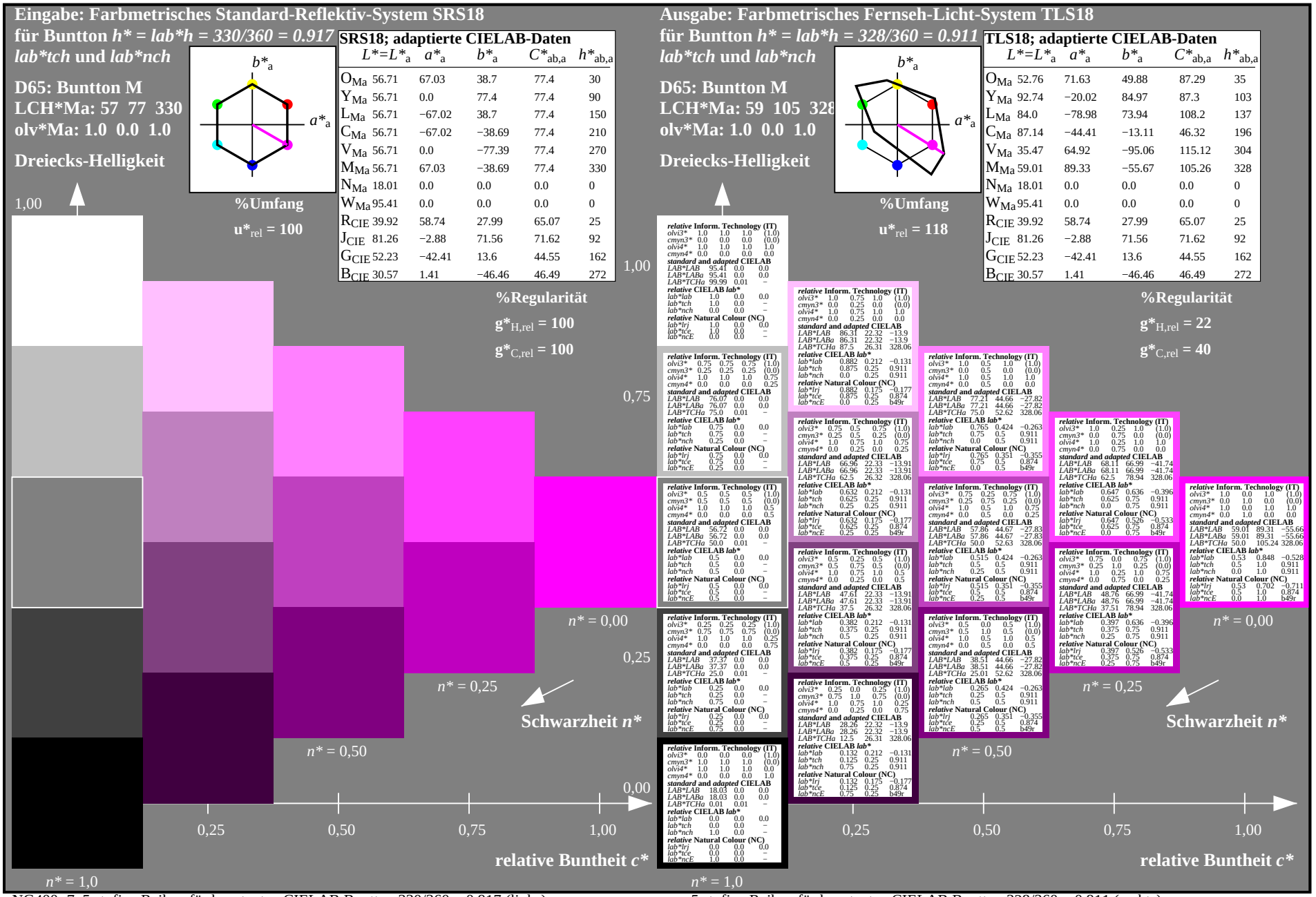
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)



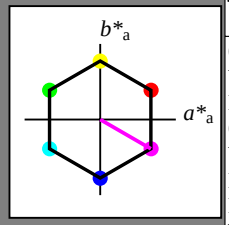
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

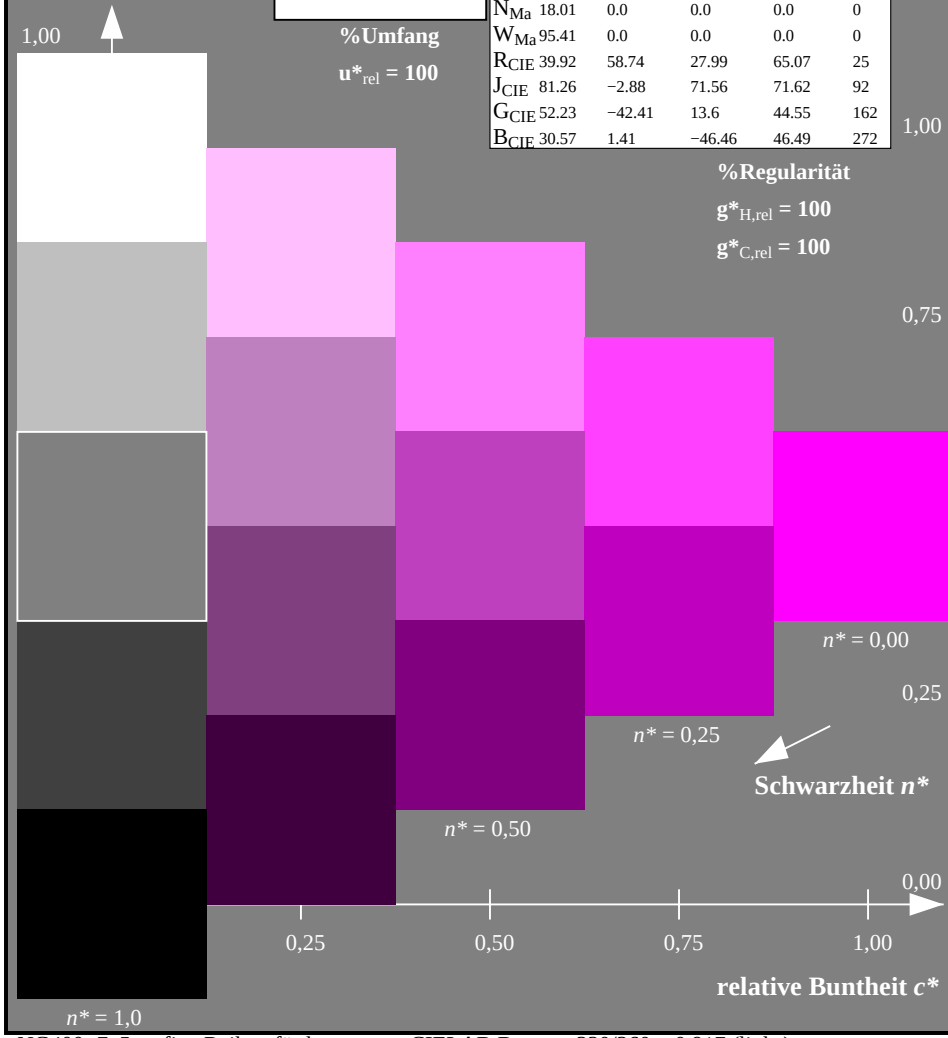


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

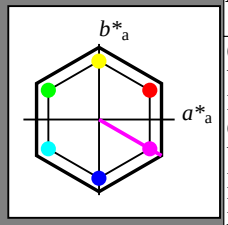
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

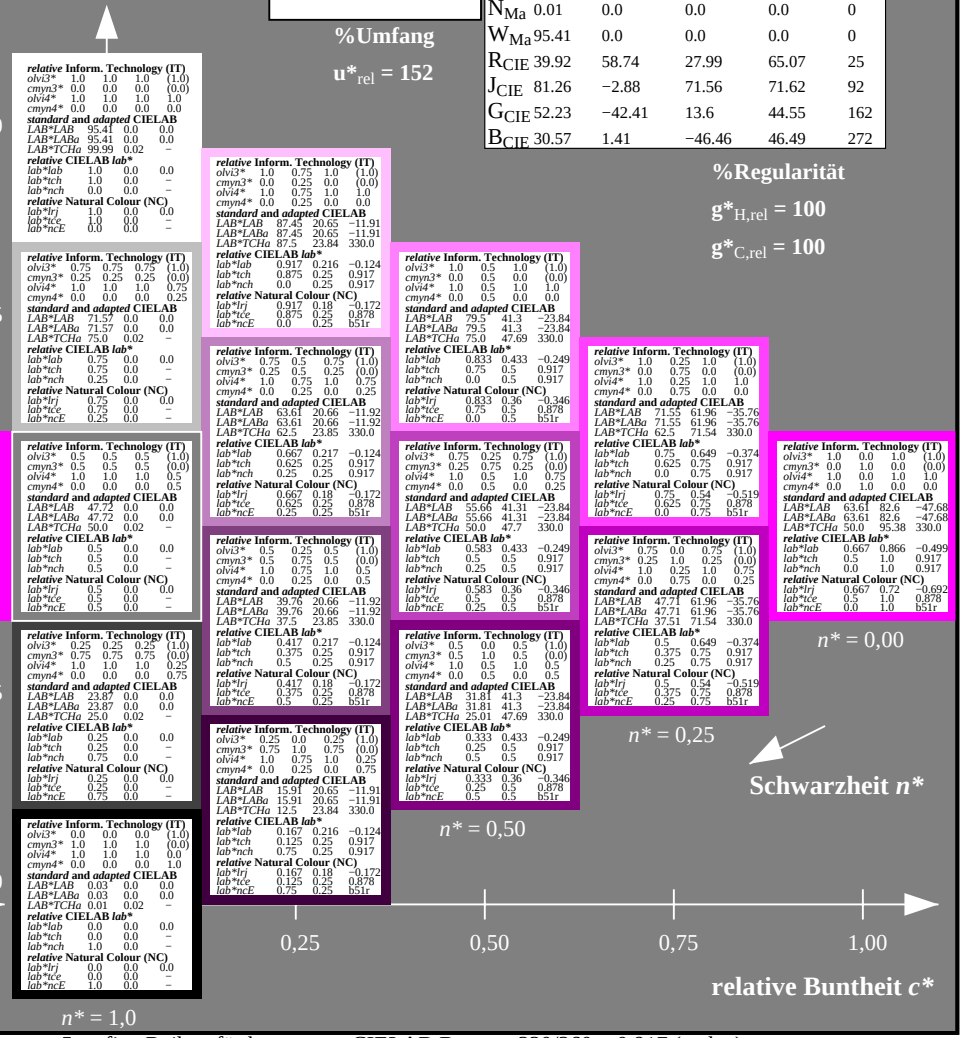


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

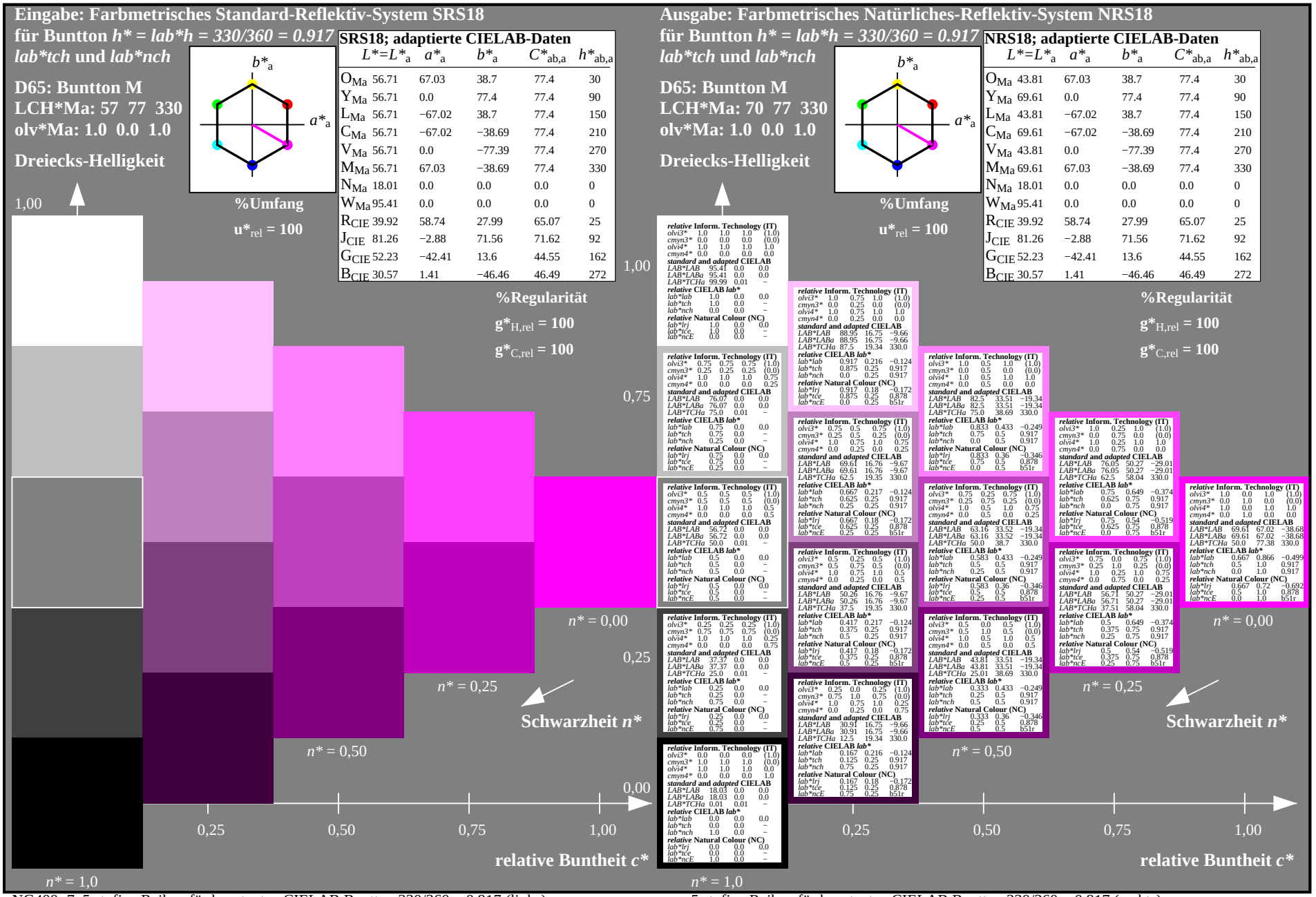
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)



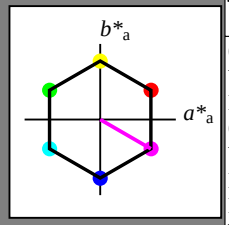
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

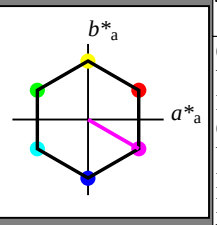
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 330/360 = 0.917*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

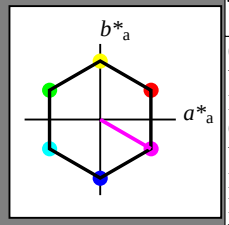
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

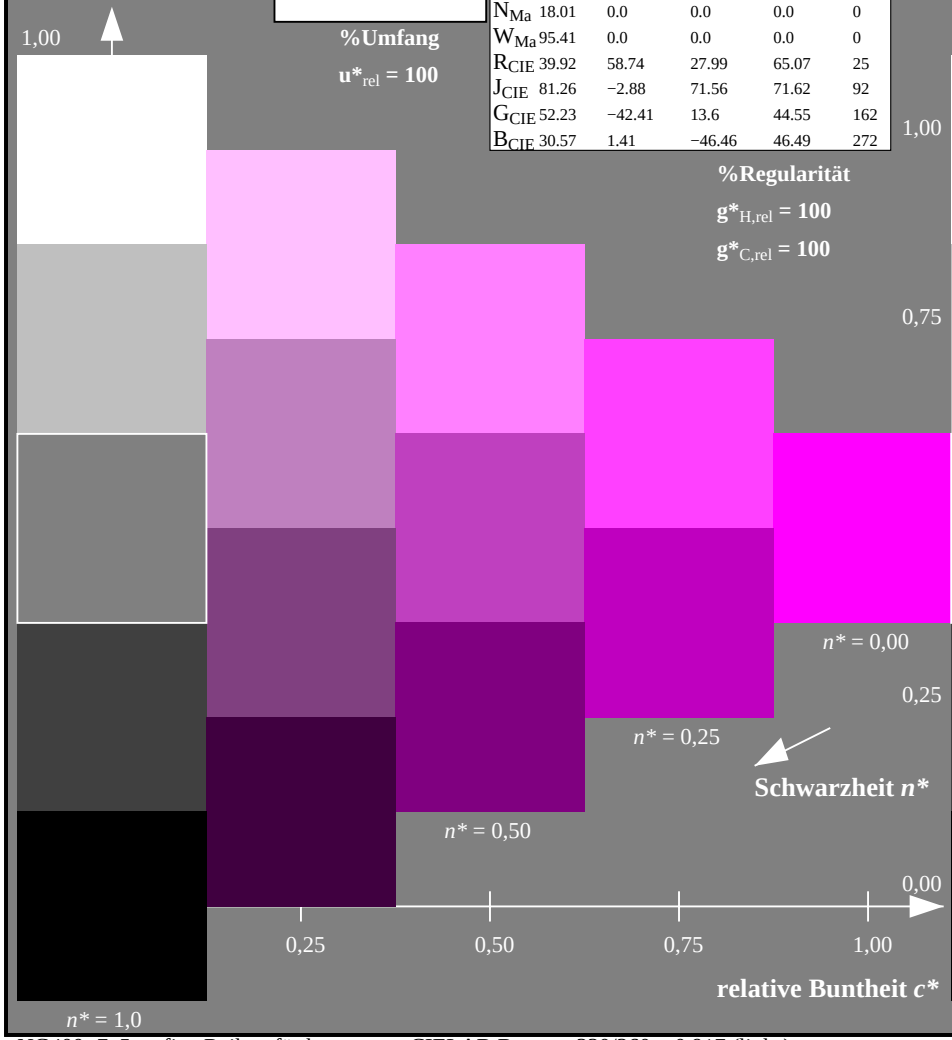


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

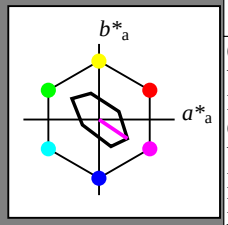
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

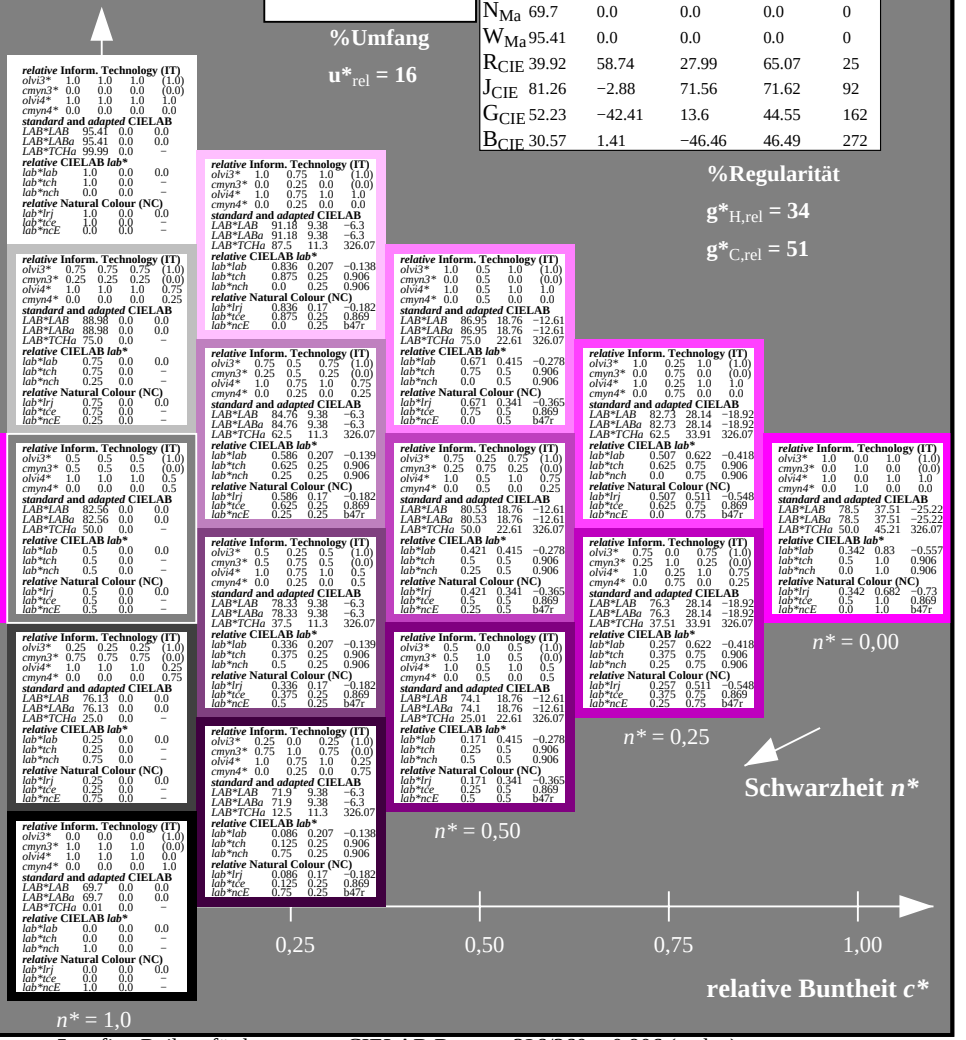


%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51



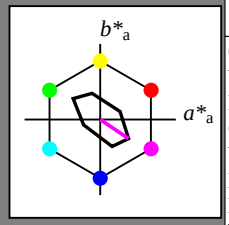
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 326/360 = 0.906*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

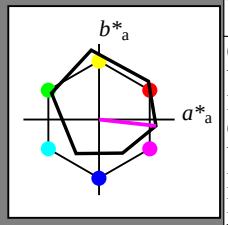
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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

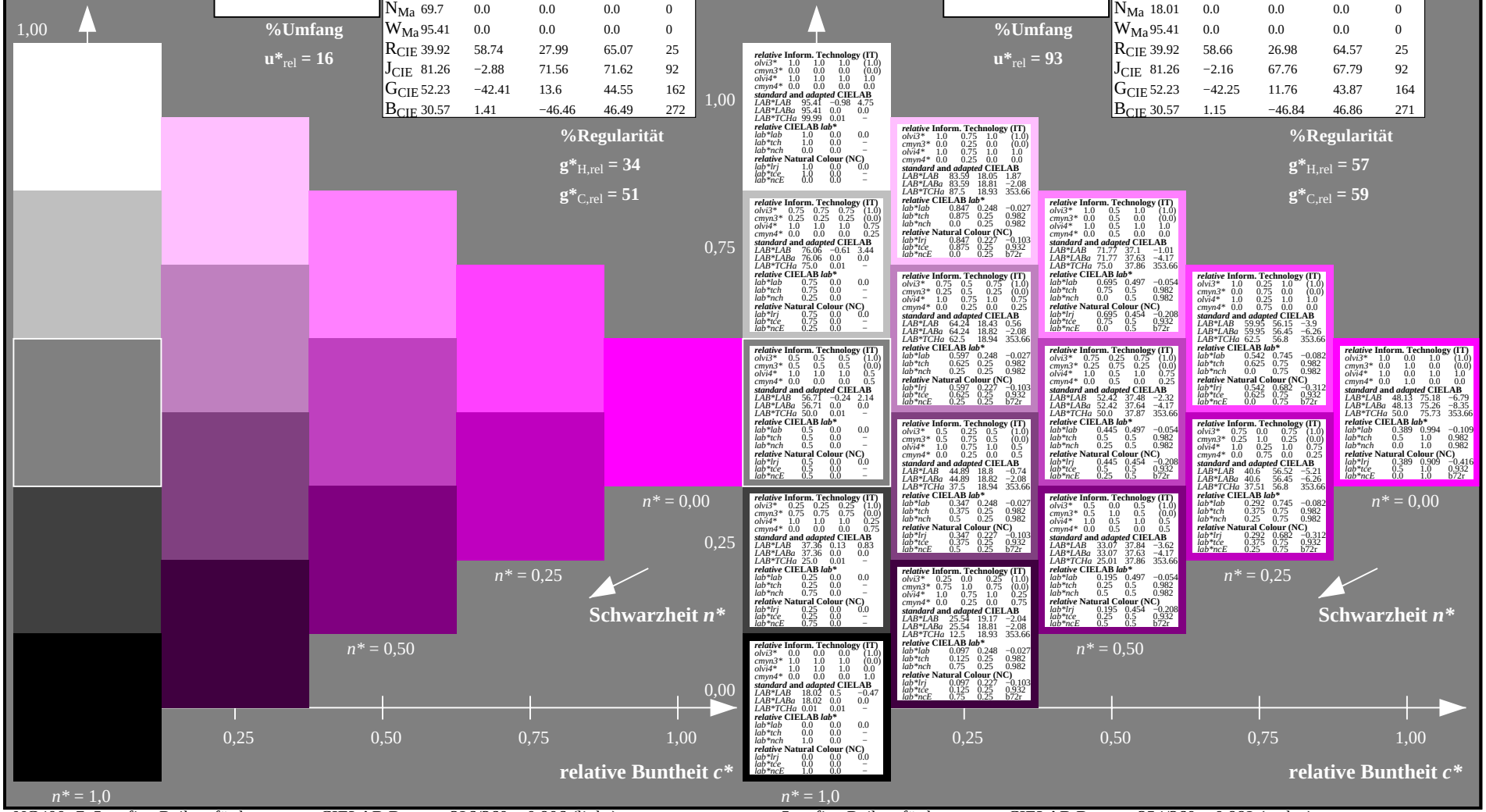


%Umfang
u*rel = 93

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



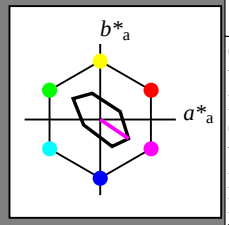
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 326/360 = 0.906*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

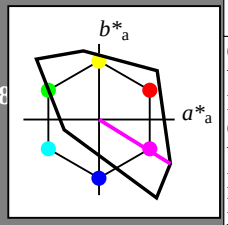
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 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



%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**

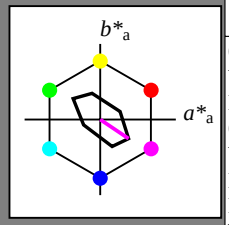
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

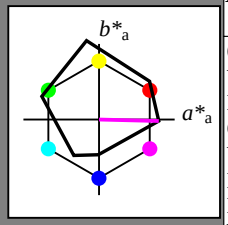
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 359/360 = 0.996***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 43 79 359
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

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**

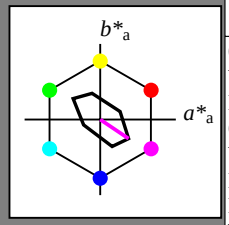
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 359/360 = 0.996 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 326/360 = 0.906*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

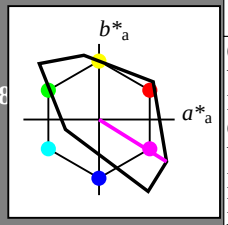
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 328/360 = 0.911*
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

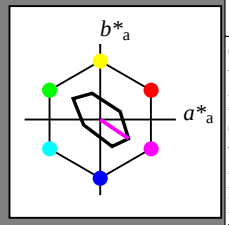
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

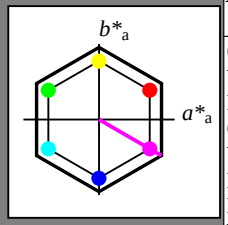
%Regularität
g*H,rel = 34
g*C,rel = 51

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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 64 95 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

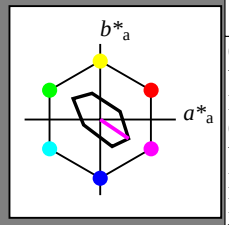
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

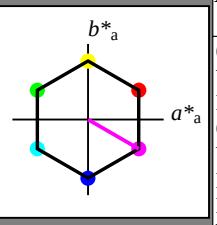
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 70 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

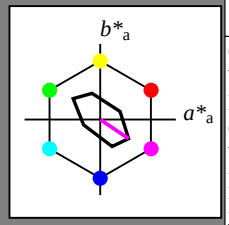
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

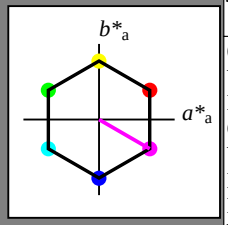
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 330/360 = 0.917***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

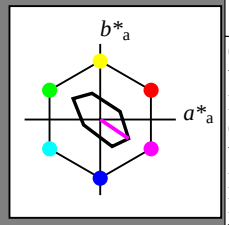
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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

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

Schwarzheit *n**

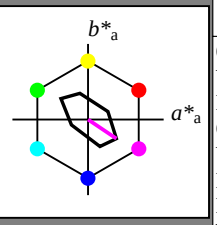
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 326/360 = 0.906***
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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**

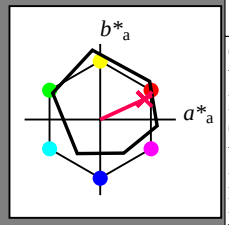
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

Eingabe: 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

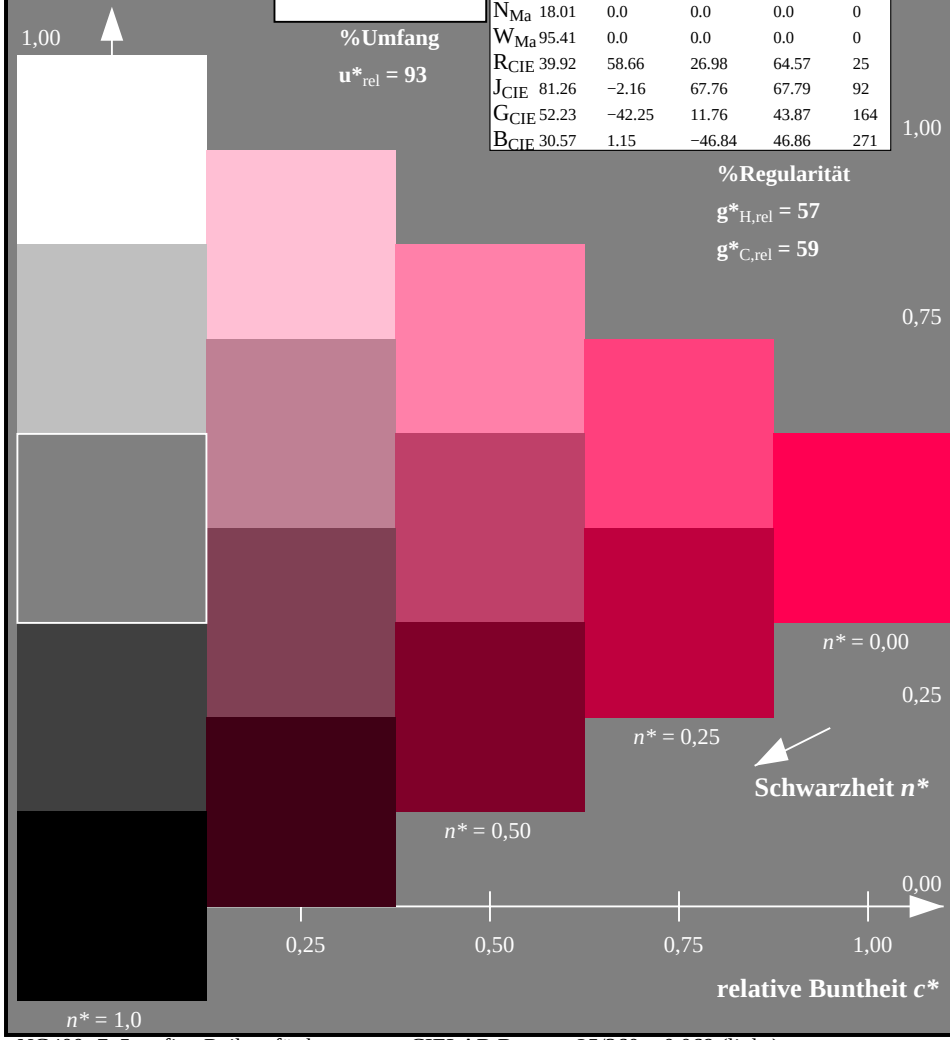


%Umfang

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

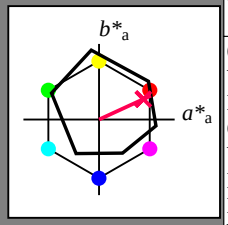
g*$_{H,rel}$ = 57

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

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

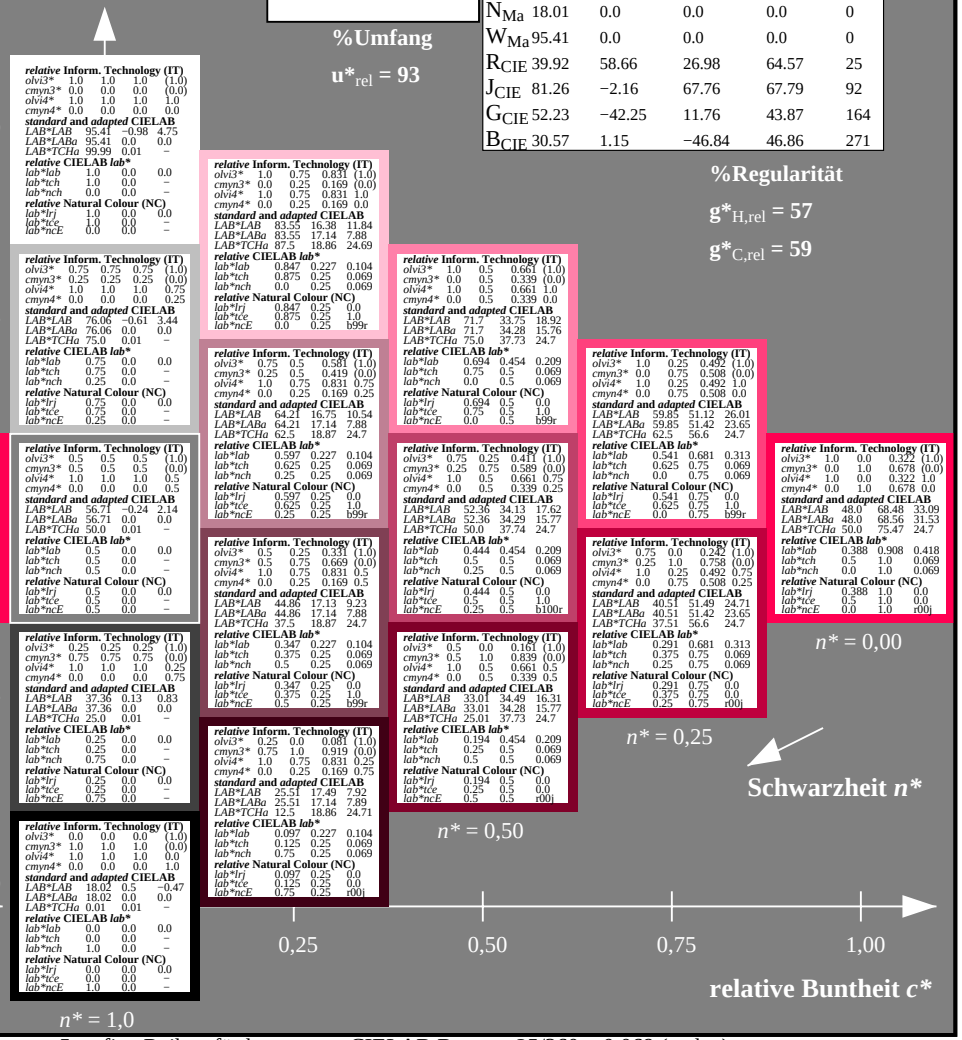


%Umfang

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

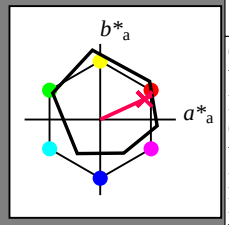
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

Eingabe: 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



%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

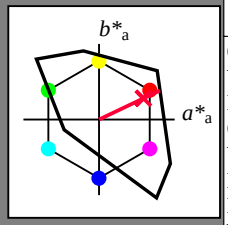
%Regularität
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

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

Ausgabe: 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

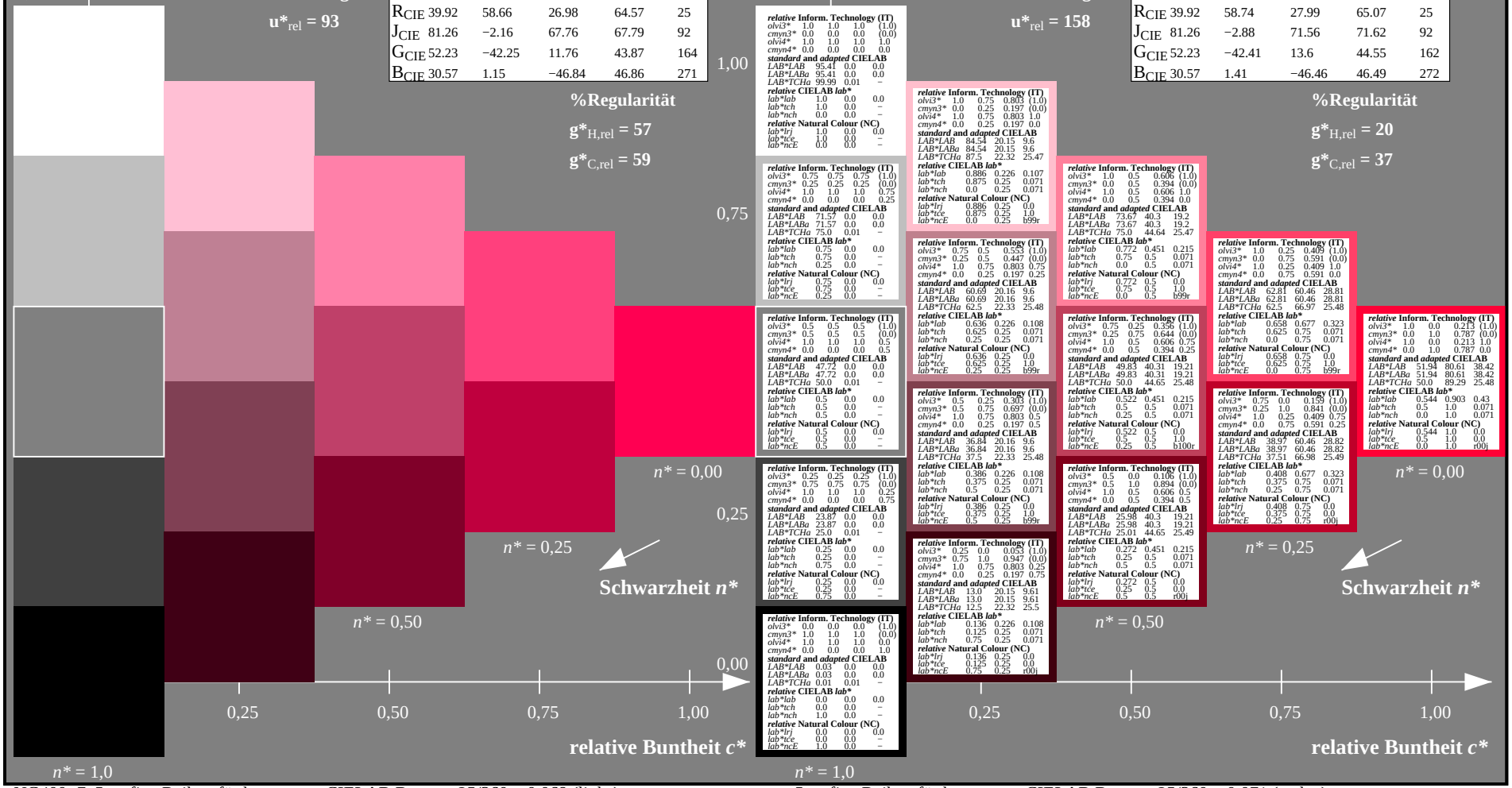


%Umfang
u^*_{rel} = 158

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



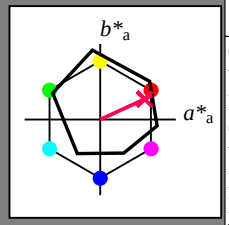
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

Eingabe: 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



%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

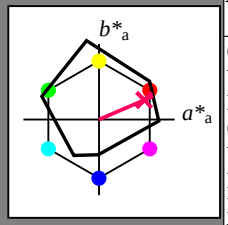
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44

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

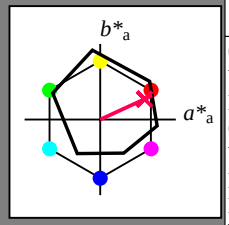
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

Eingabe: 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



%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

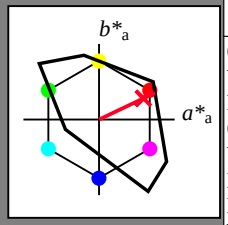
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

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

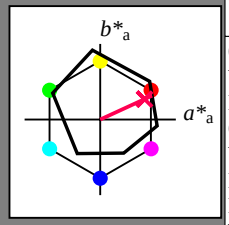
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

Eingabe: 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



%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

1,00

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

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

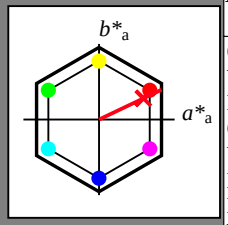
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

1,00

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

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

Schwarzheit *n**

relative Buntheit *c**

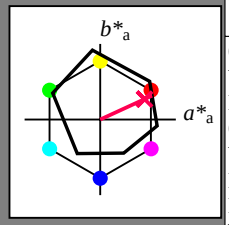
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

Eingabe: 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



%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

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

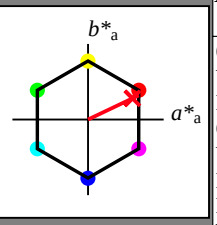
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

Schwarzheit *n**

relative Buntheit *c**

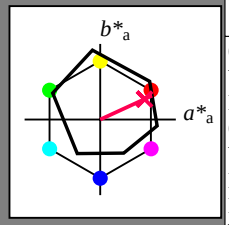
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

Eingabe: 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



%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

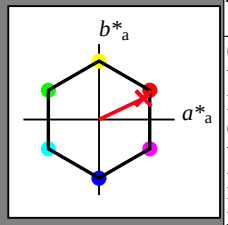
g*H,rel = 57

g*C,rel = 59

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang

u*rel = 100

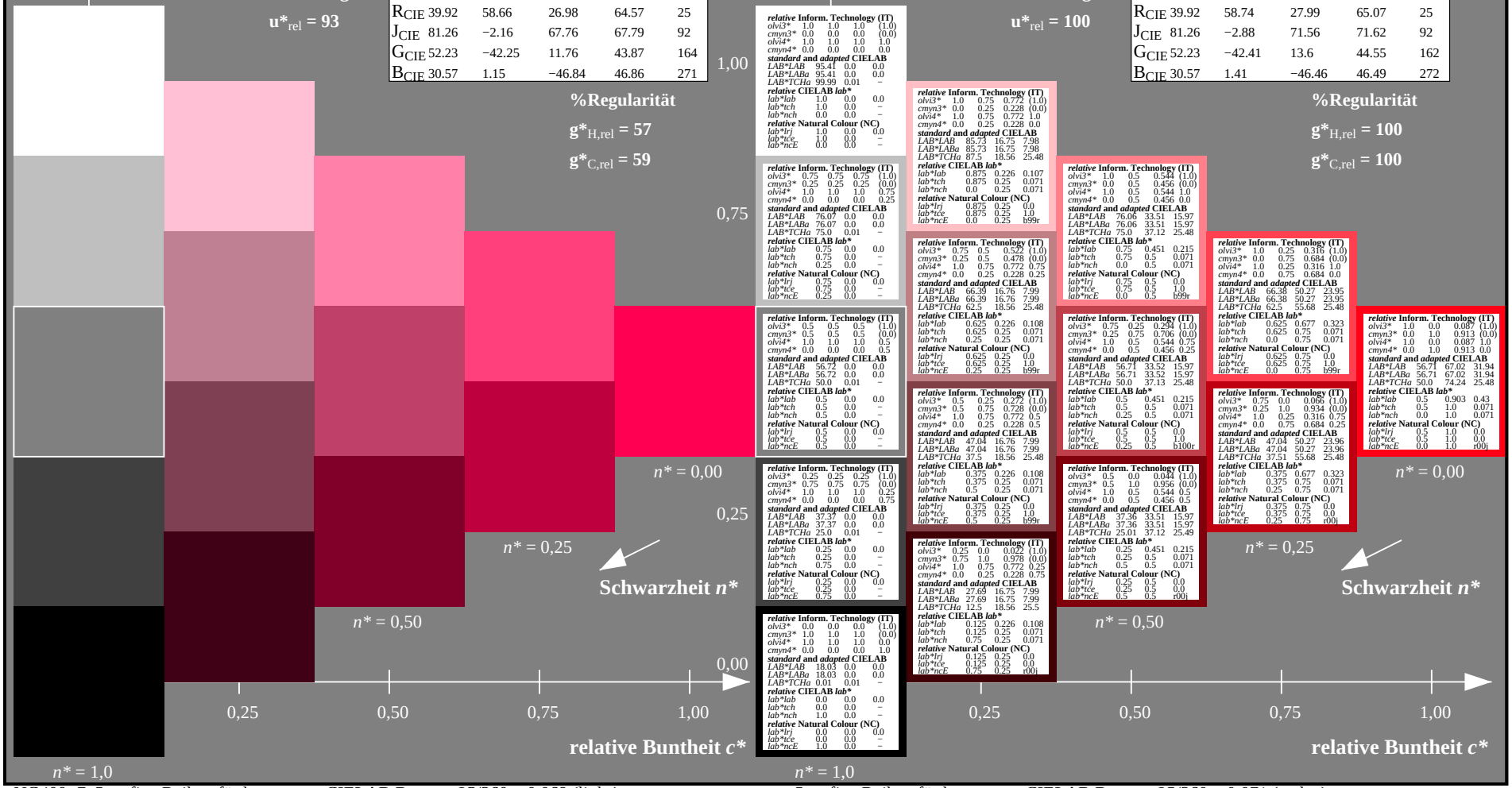
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

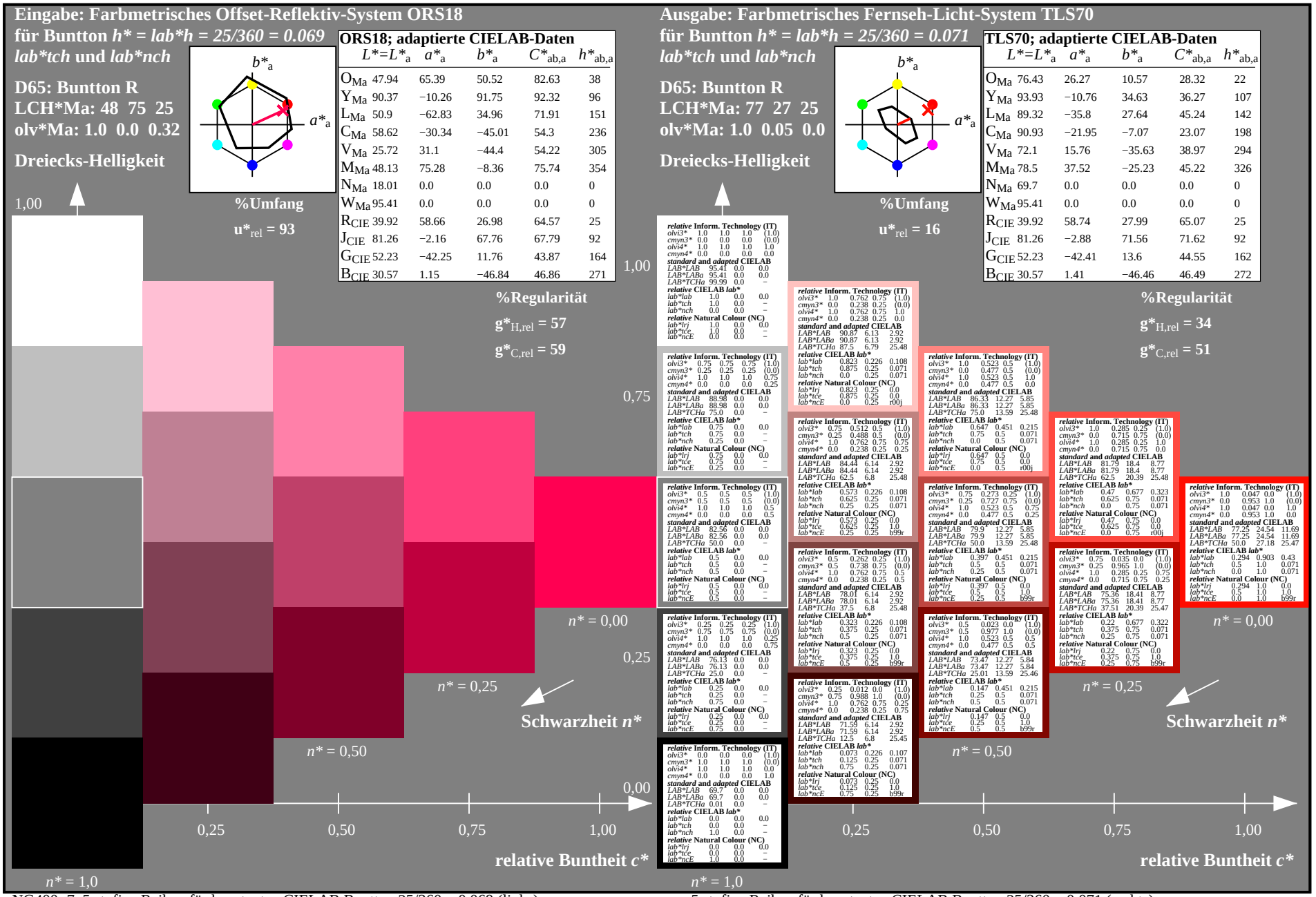
g*H,rel = 100

g*C,rel = 100



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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



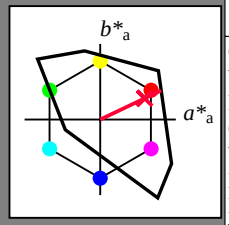
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

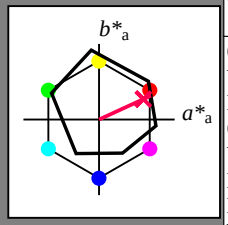
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 = 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

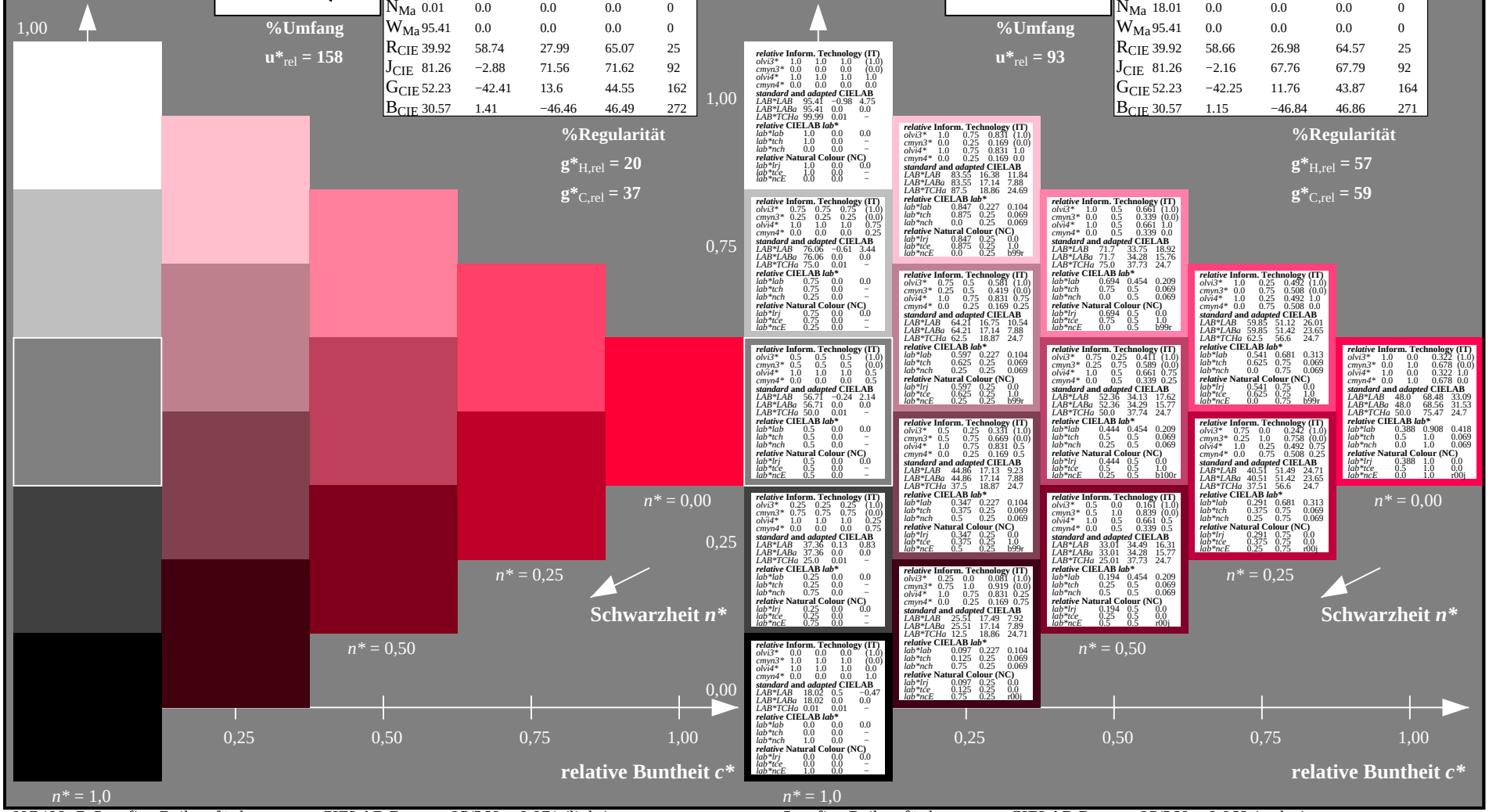


%Umfang
u^*_{rel} = 93

ORS18; adaptierte CIELAB-Daten

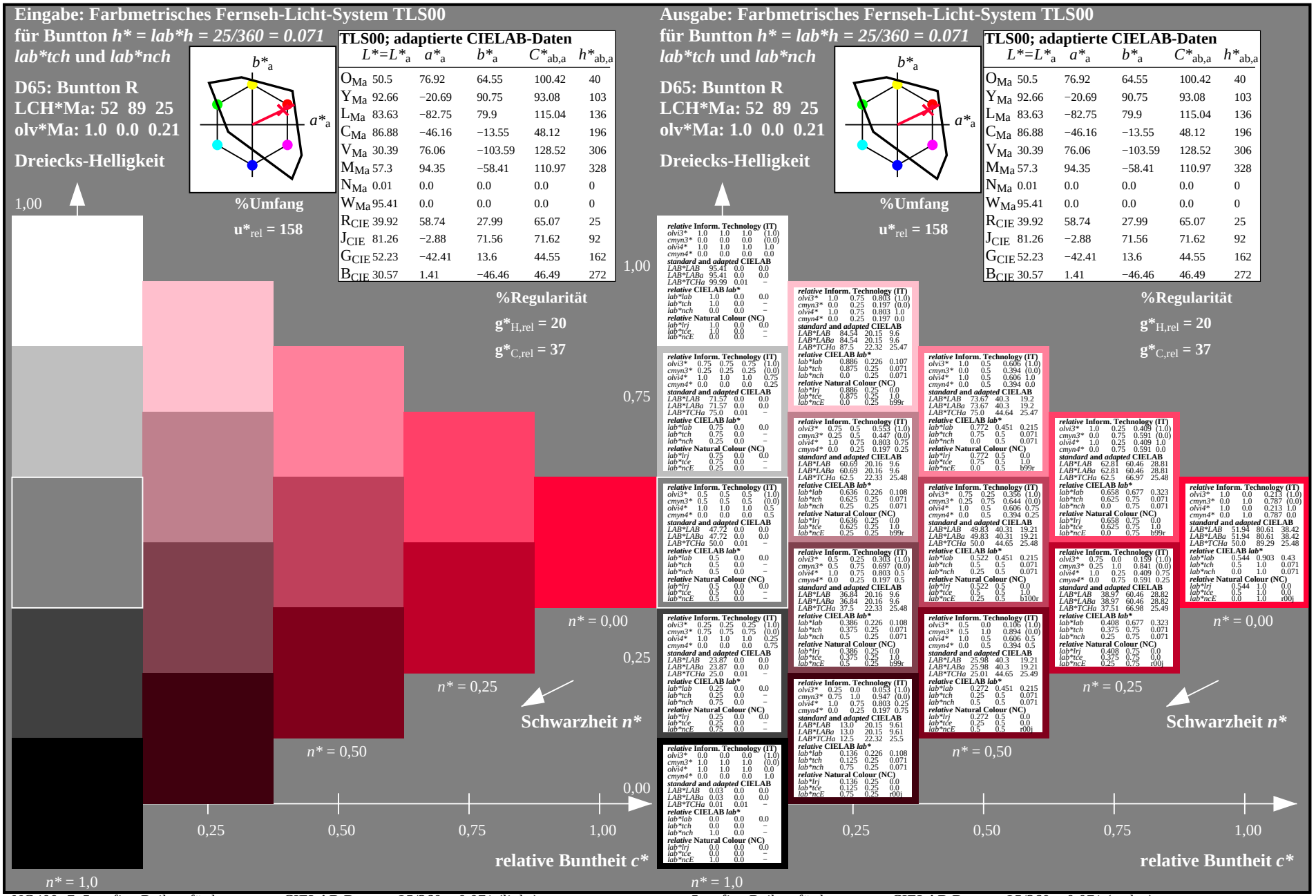
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	10.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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



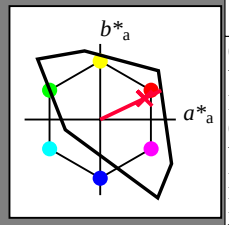
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

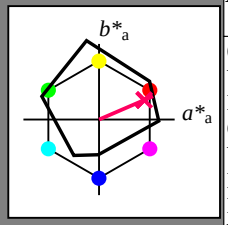
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit

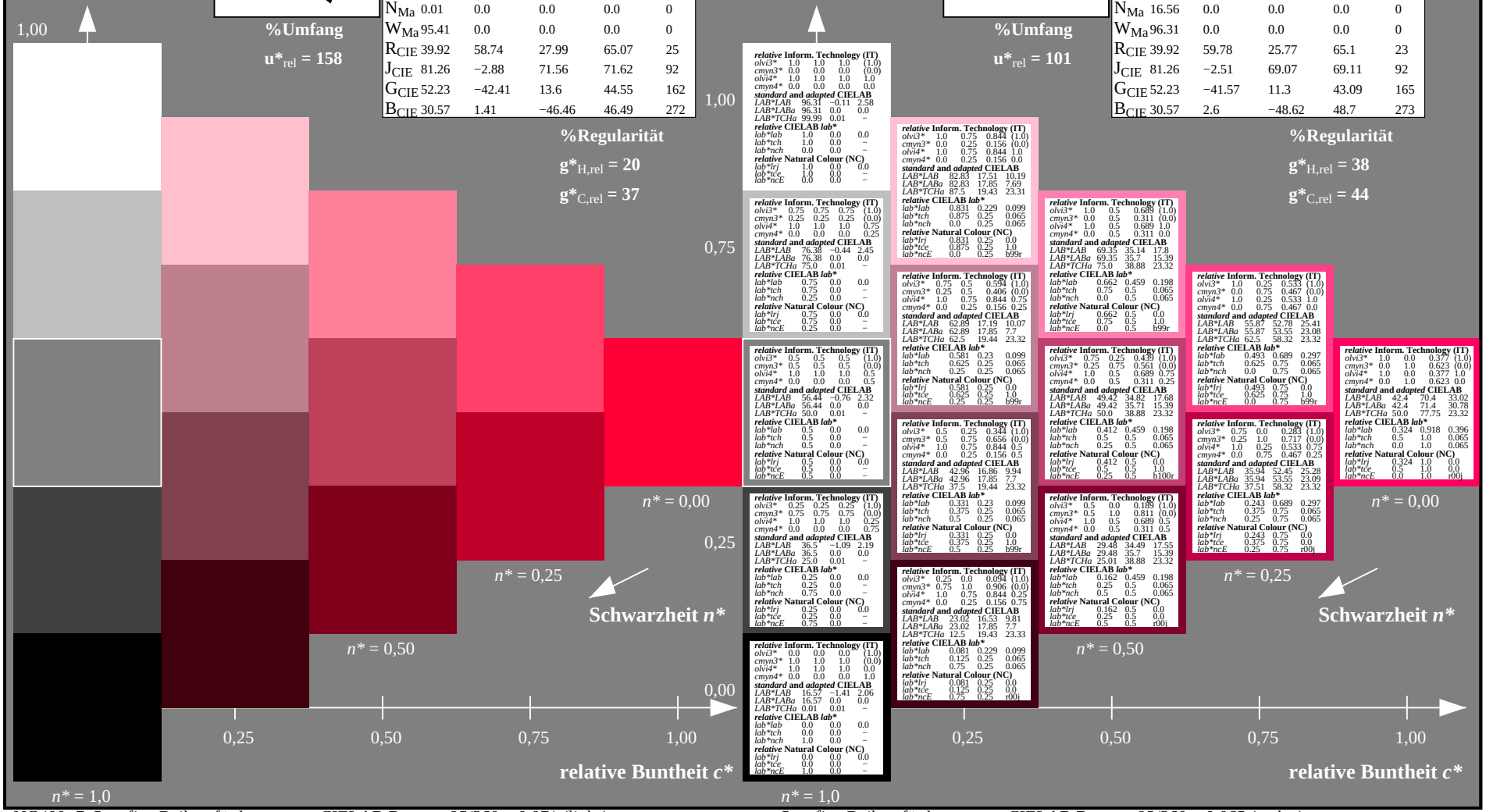


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



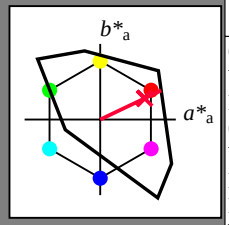
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

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



%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

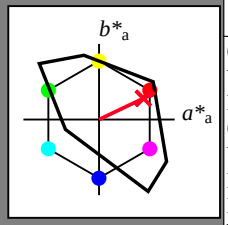
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

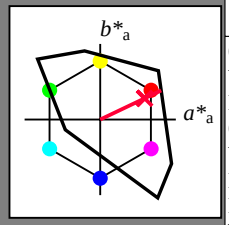
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

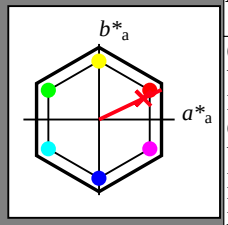
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

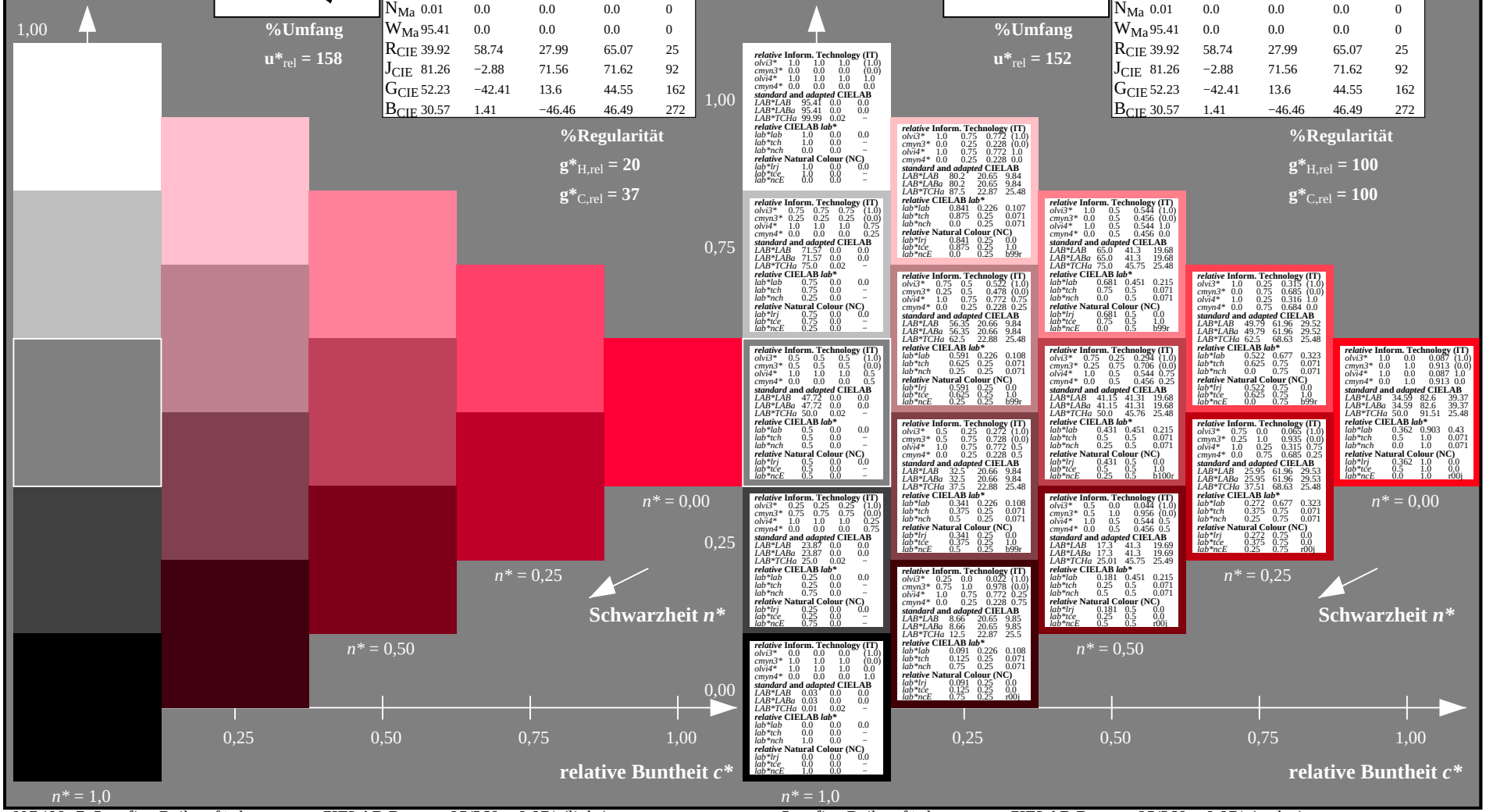


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



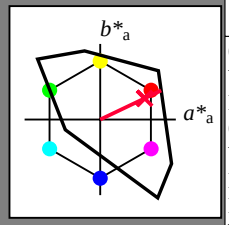
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

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



%Umfang
u*rel = 158

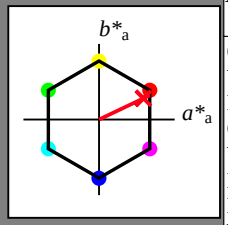
TLS00; adaptierte CIELAB-Daten

	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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

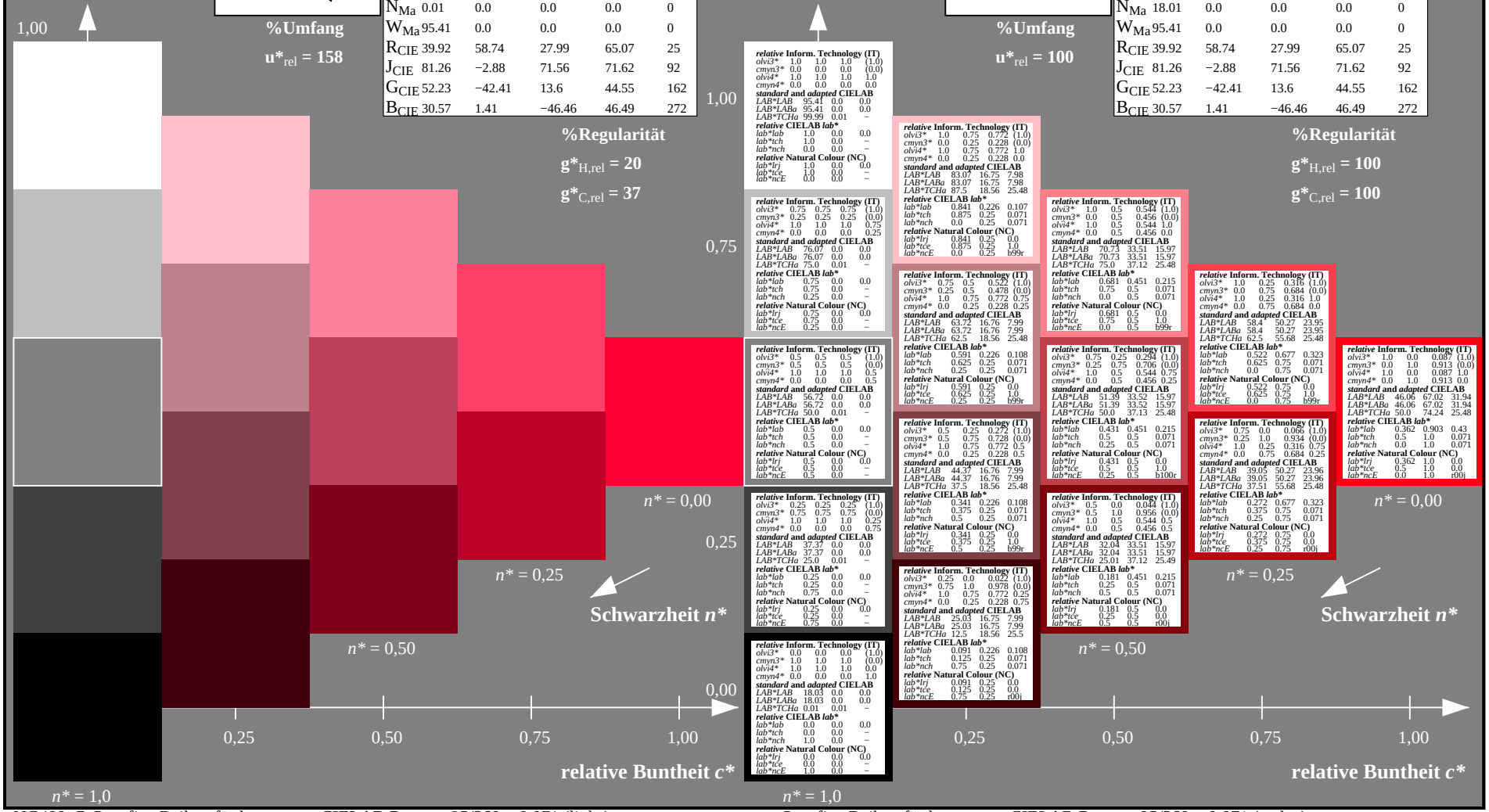
Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



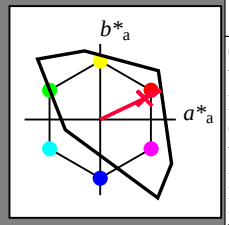
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

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



%Umfang
u*$_{rel}$ = 158

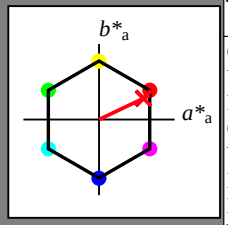
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

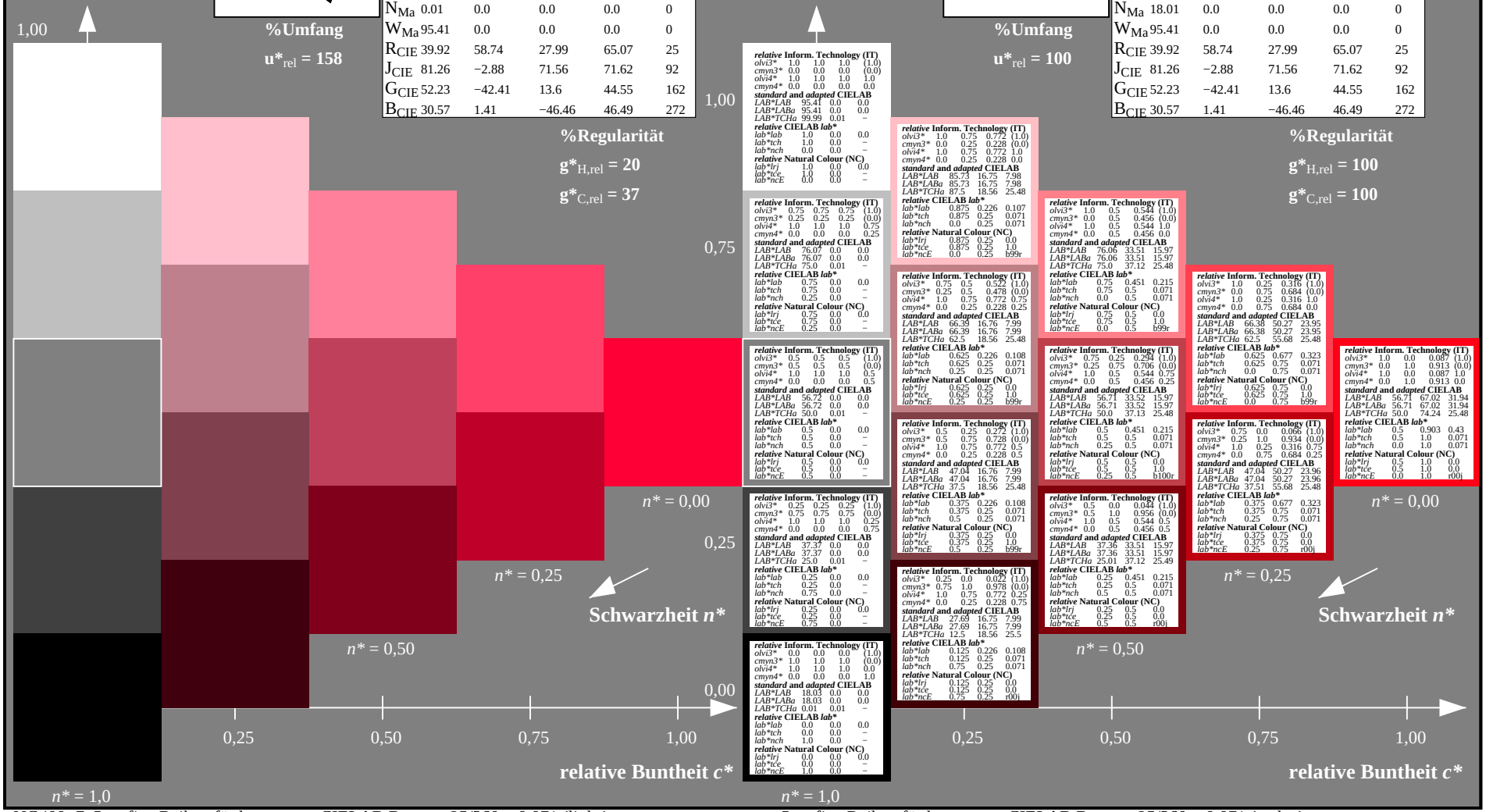
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



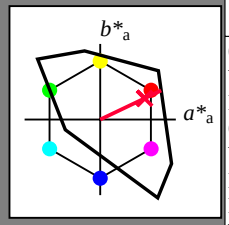
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

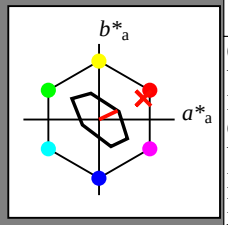
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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^*

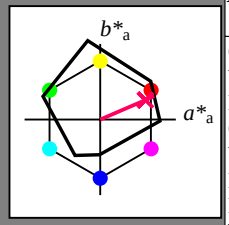
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

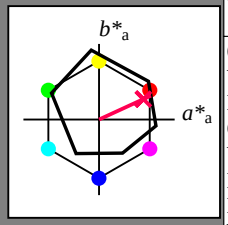
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

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

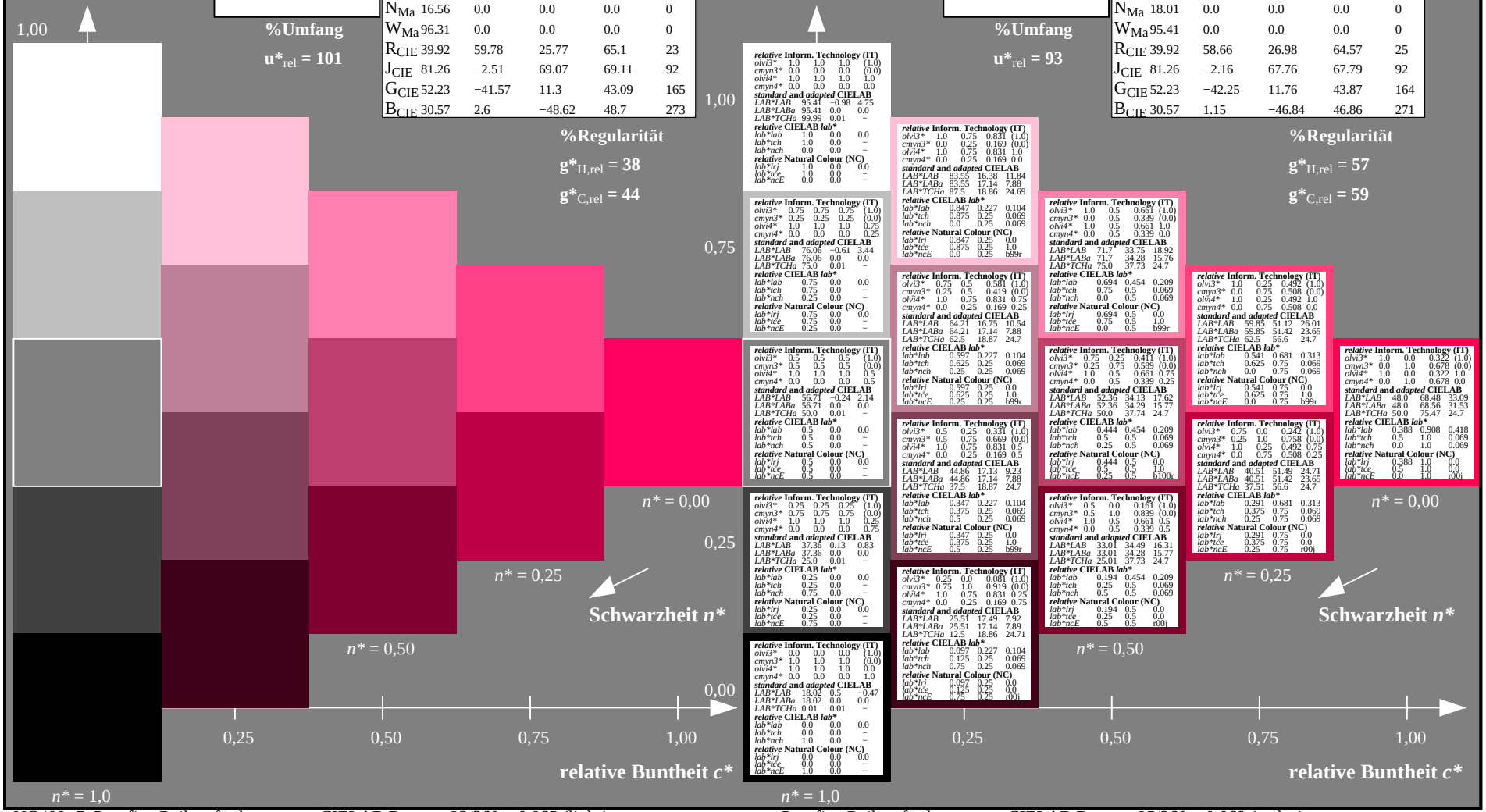


%Umfang
u^*_{rel} = 93

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

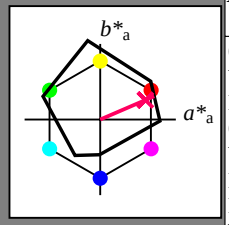
5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX

für Buntton *h* = lab*h = 23/360 = 0.065*
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*$_{H,rel}$ = 38

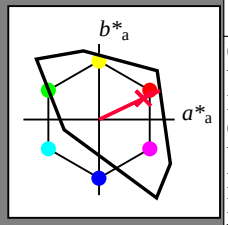
g*$_{C,rel}$ = 44

Ausgabe: 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



%Umfang

u*$_{rel}$ = 158

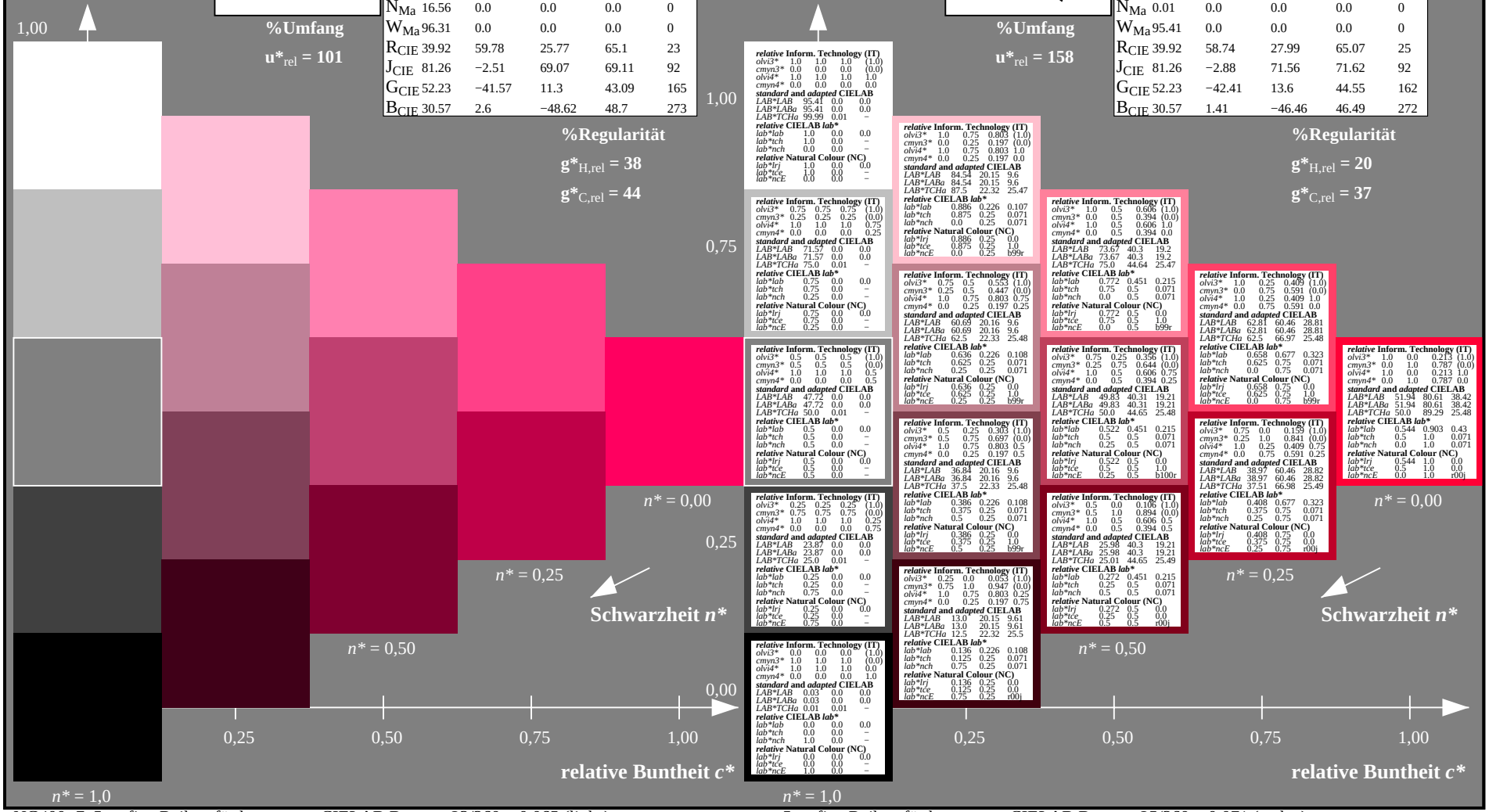
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

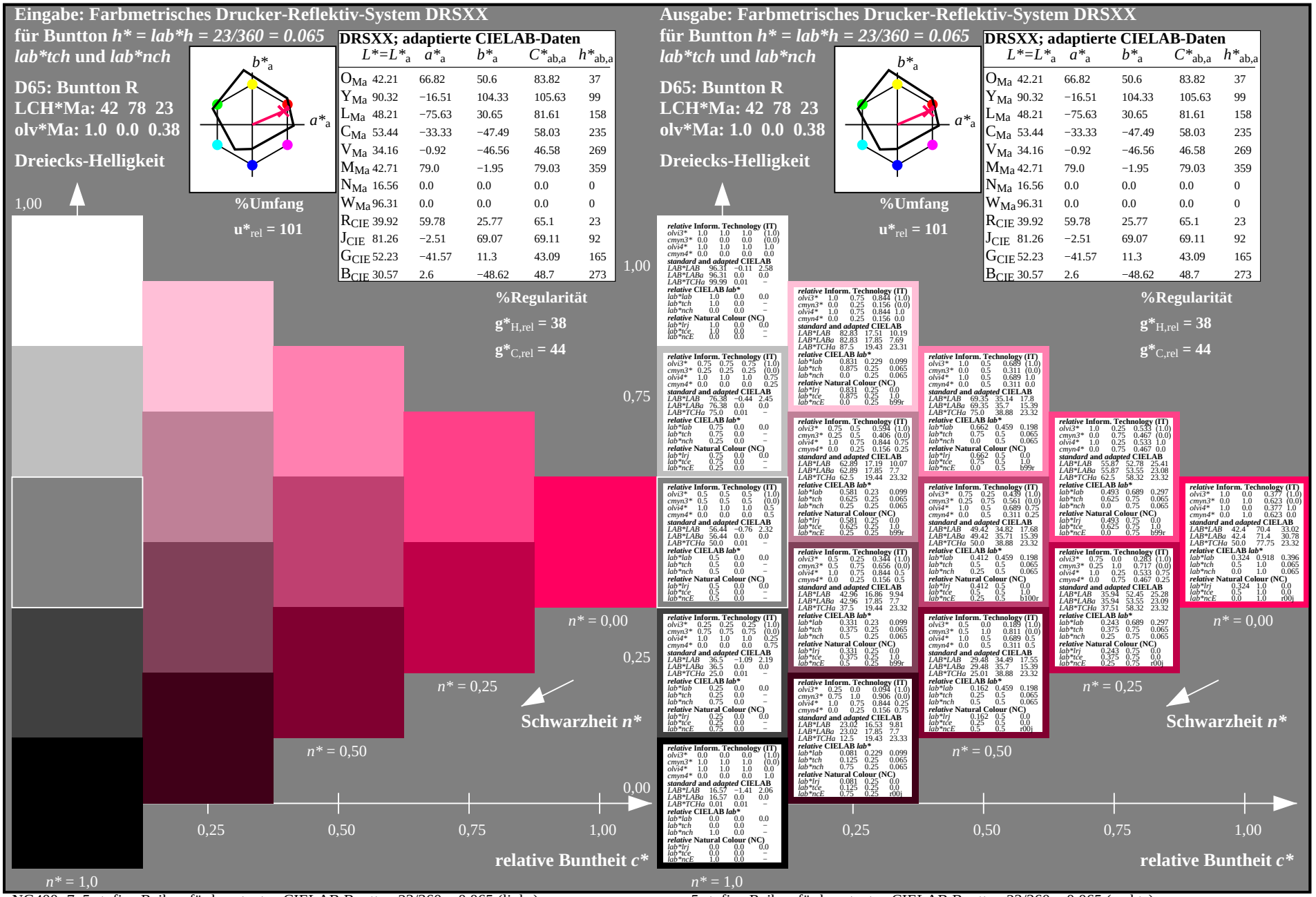
g*$_{H,rel}$ = 20

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

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



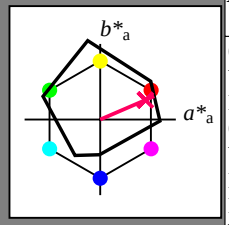
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

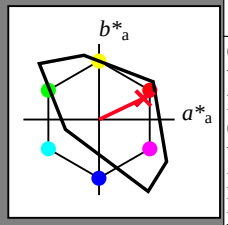
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit

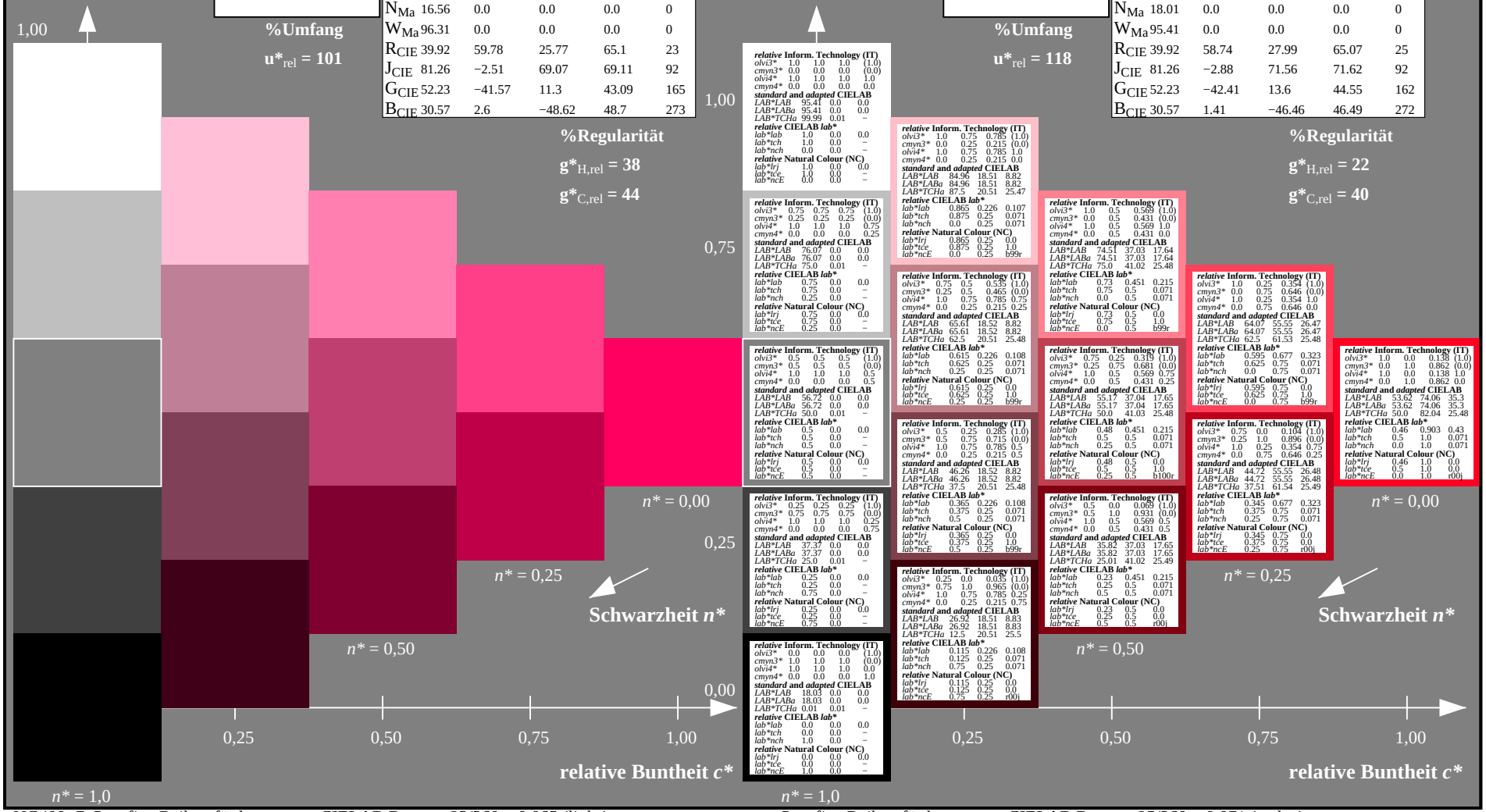


%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

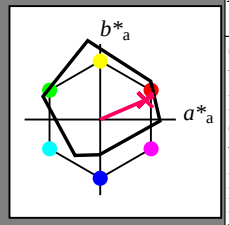
5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX

für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*$_{H,rel}$ = 38

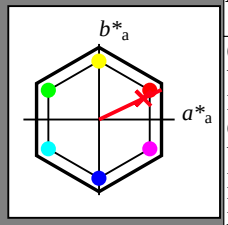
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00

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

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 152

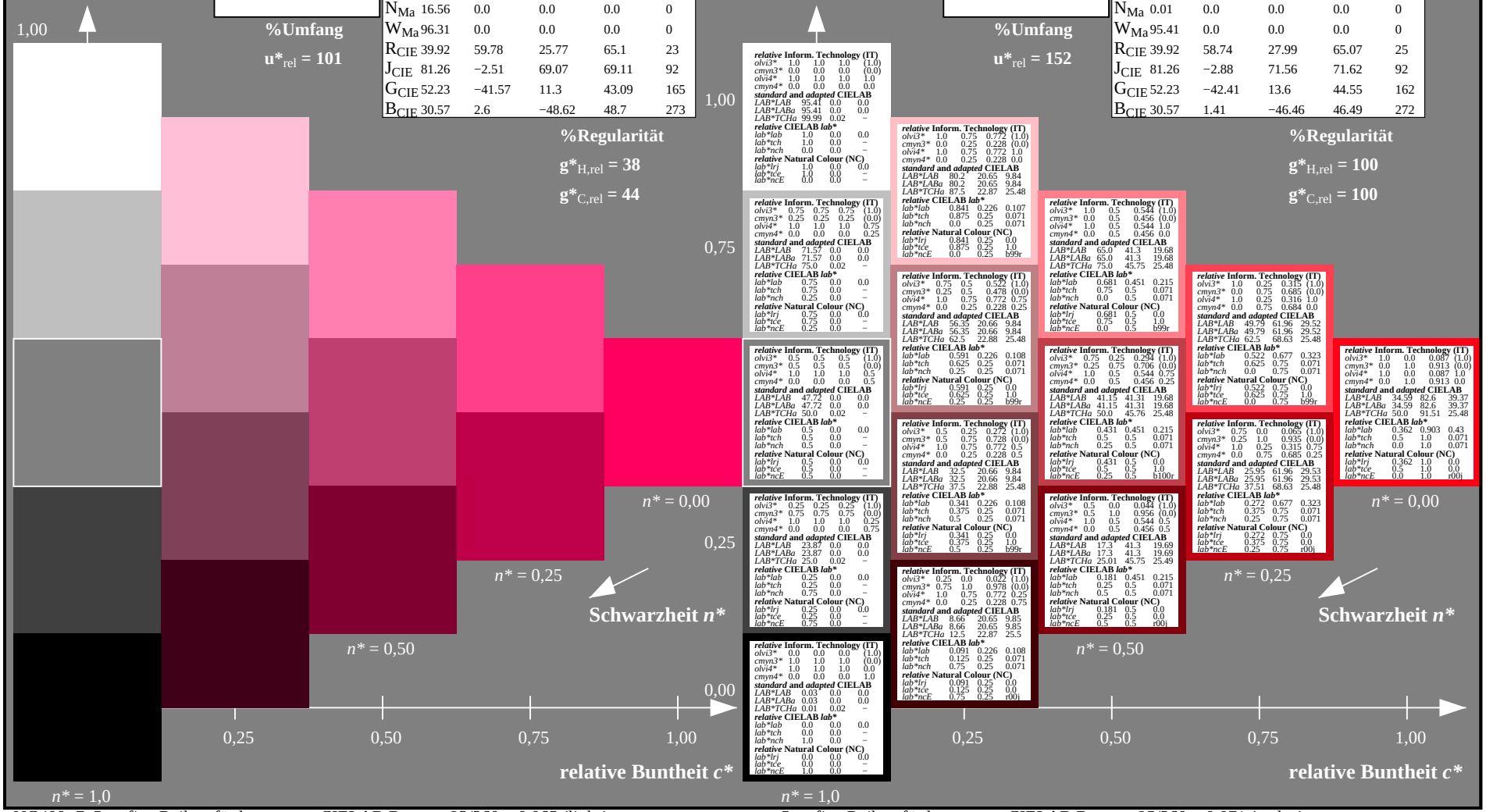
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100



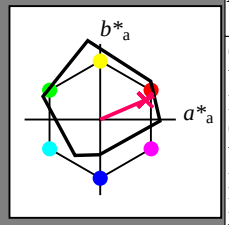
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

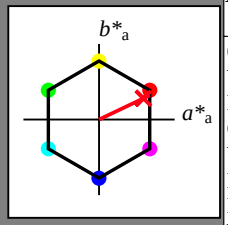
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

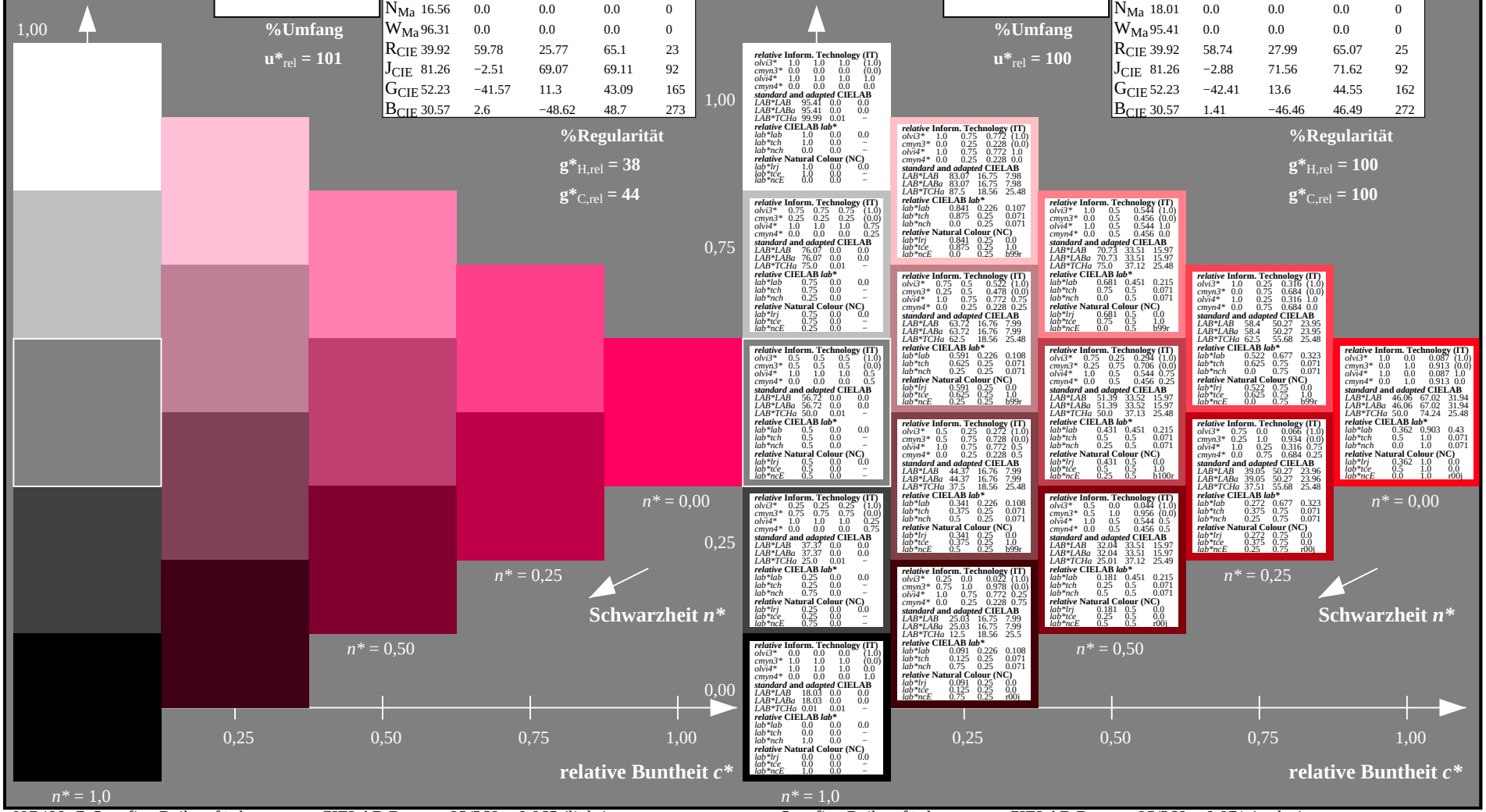


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



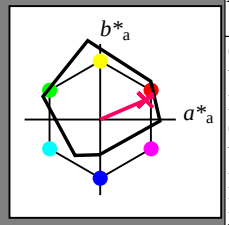
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

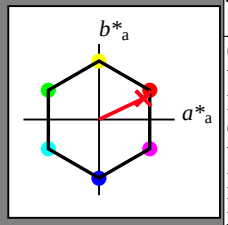
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

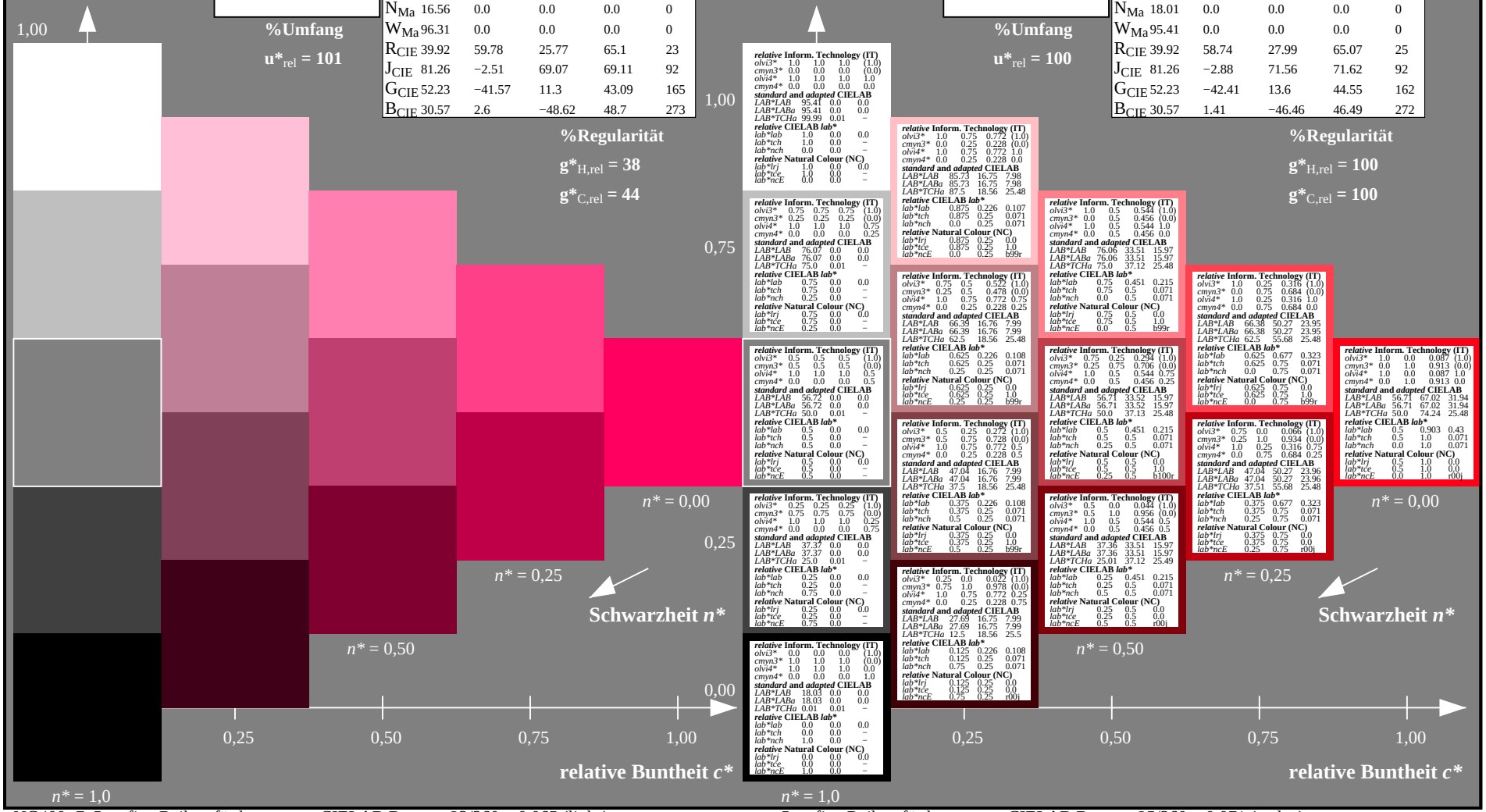


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



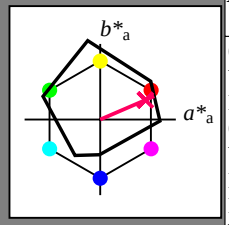
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

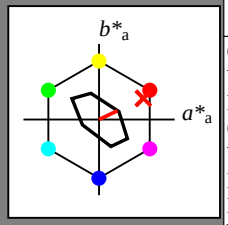
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit

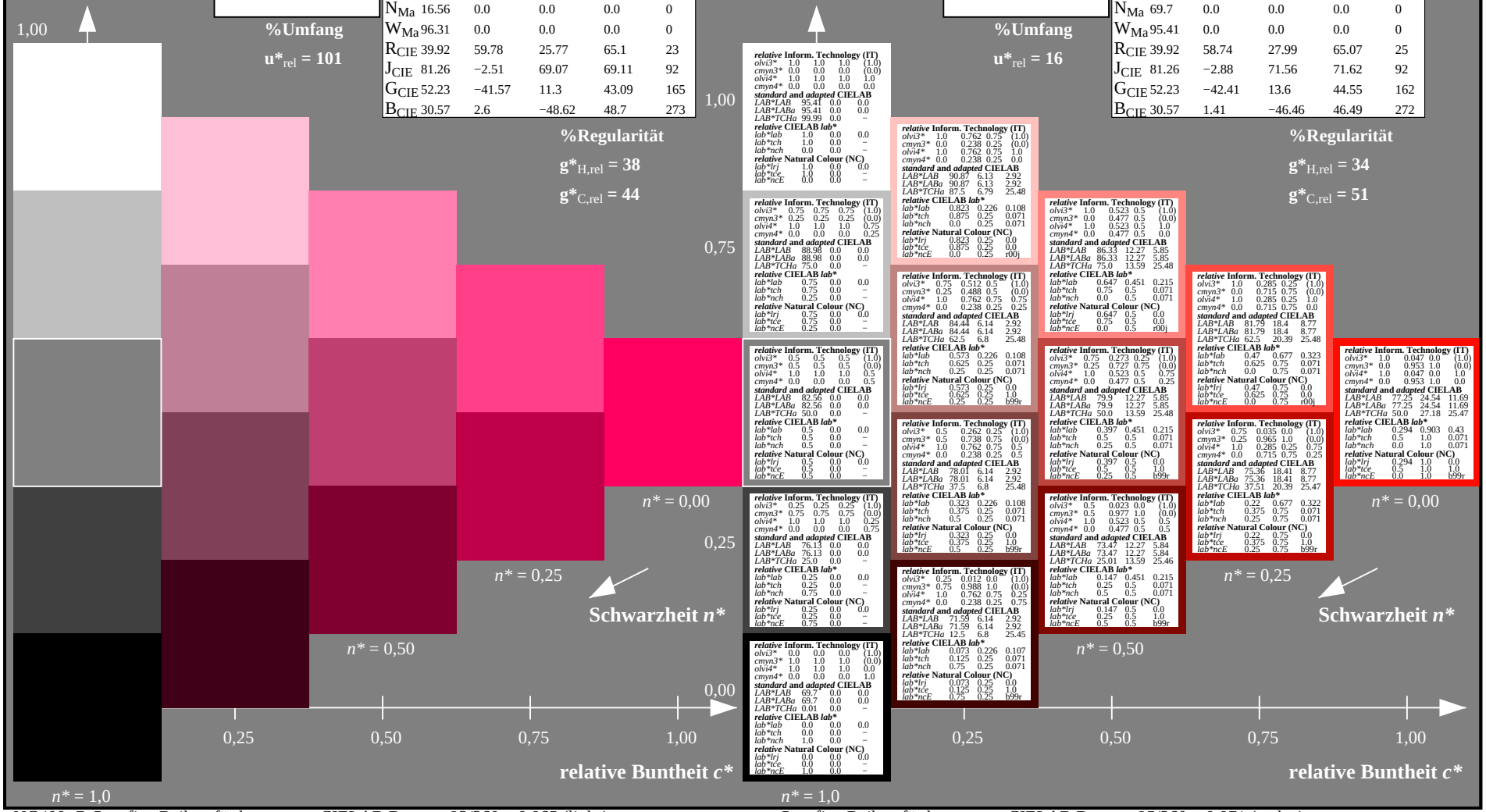


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



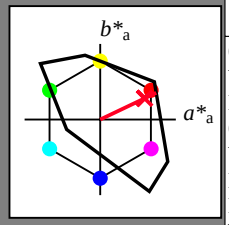
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

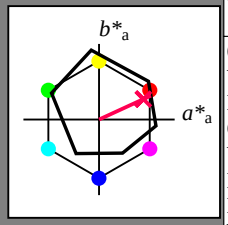
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

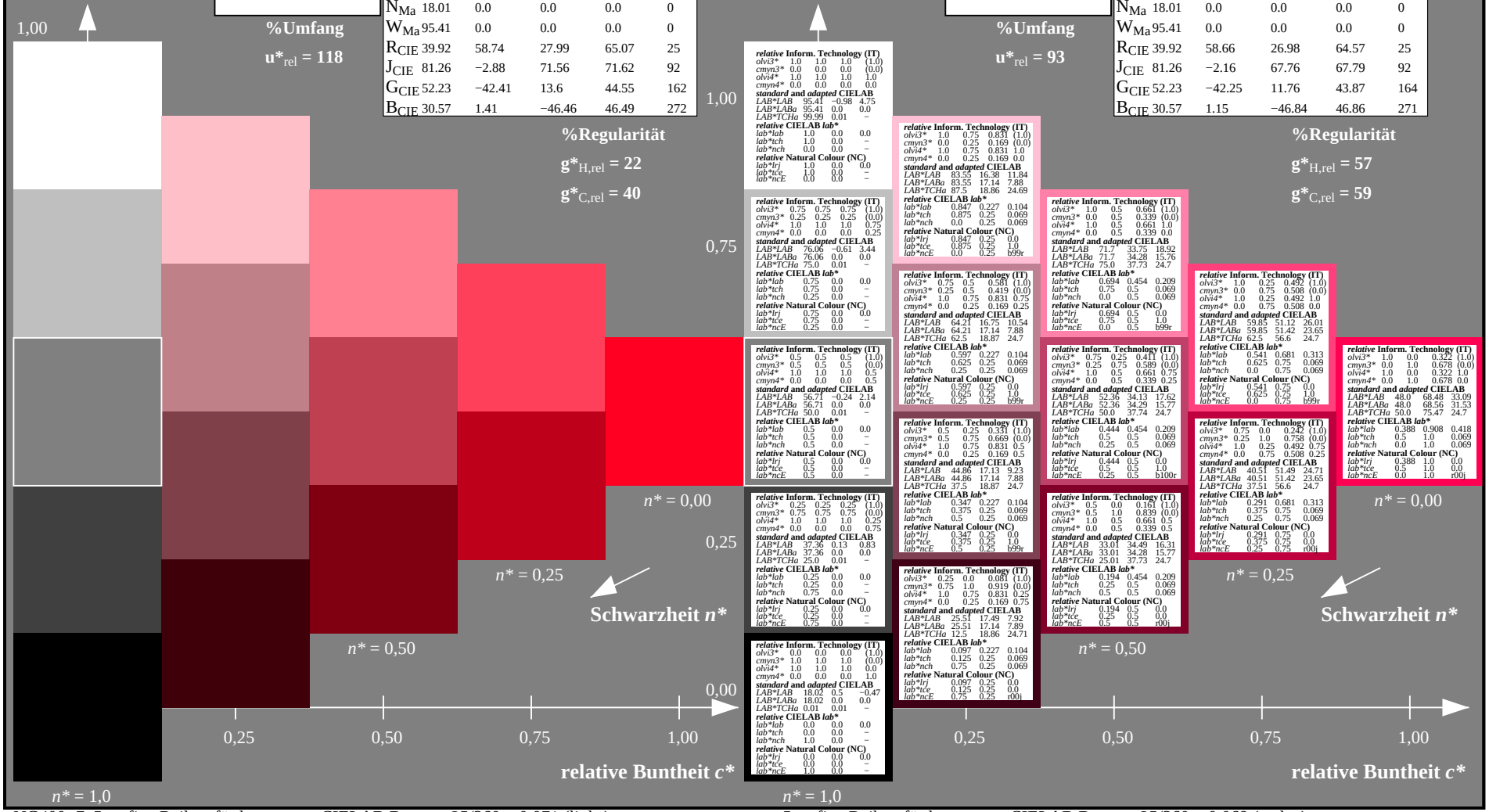


%Umfang

u*$_{rel}$ = 93

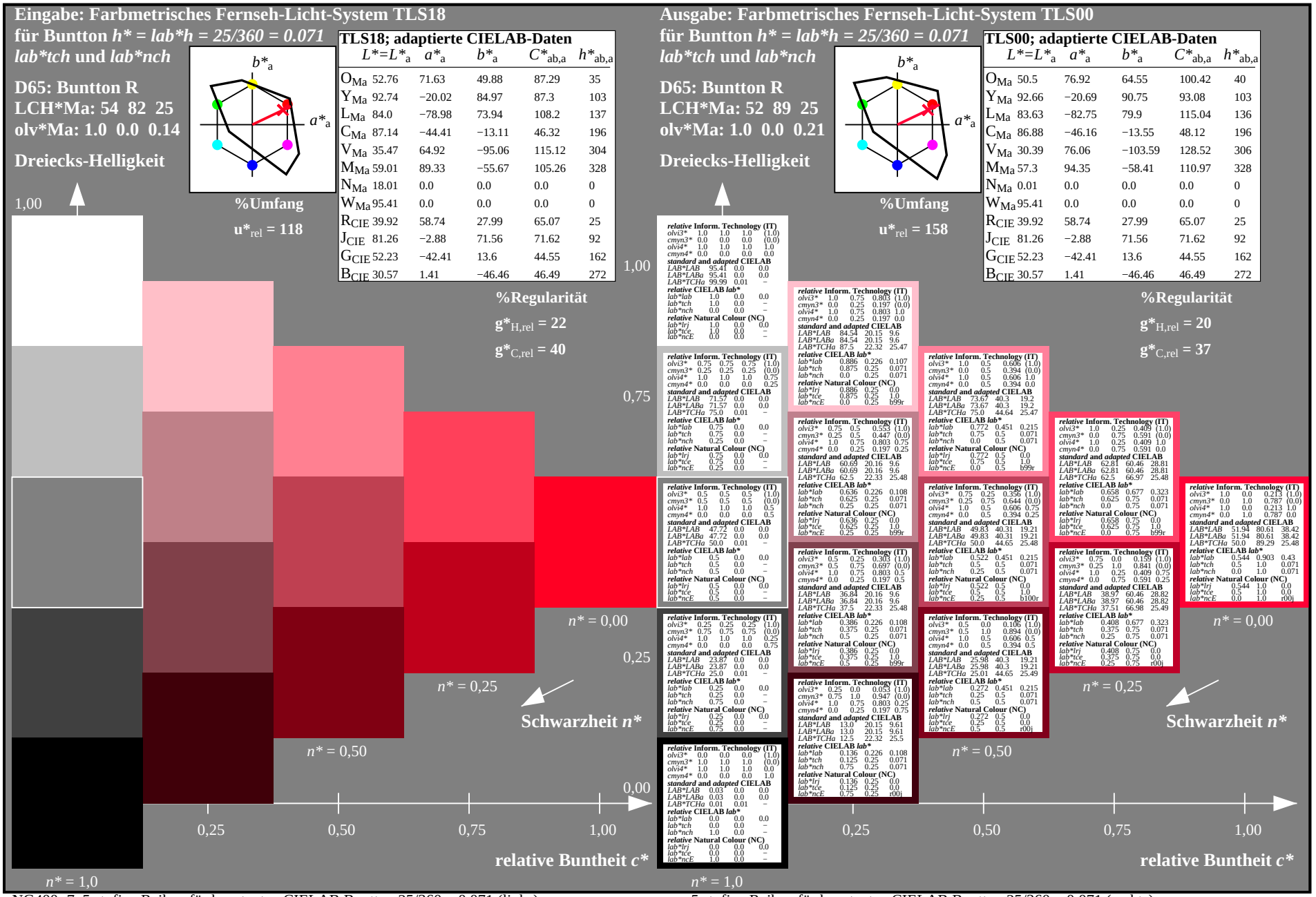
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

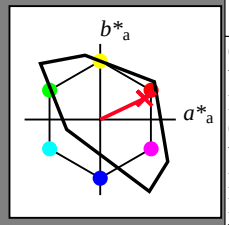
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

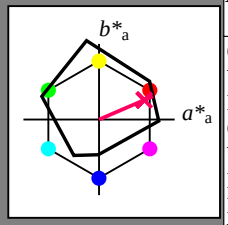
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

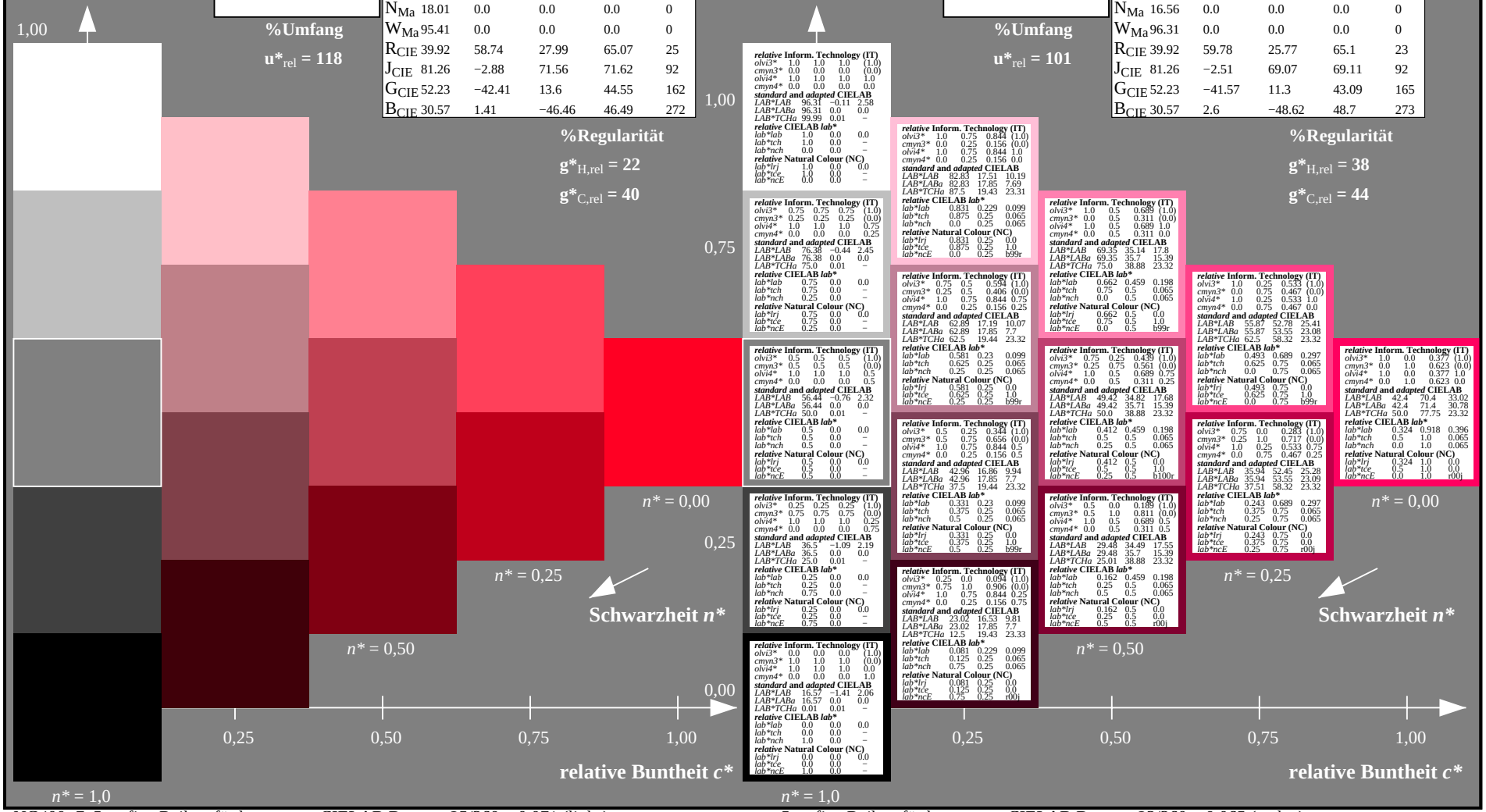
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



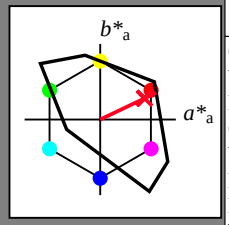
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

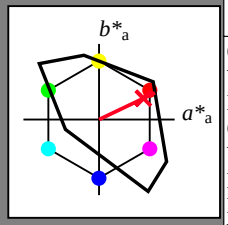
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

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

Schwarzheit *n**

relative Buntheit *c**

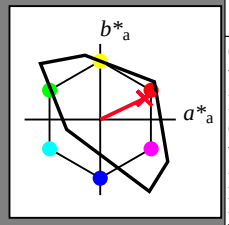
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

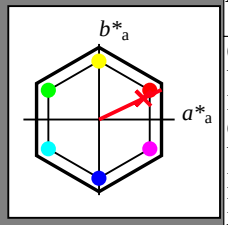
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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**

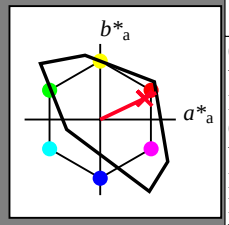
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

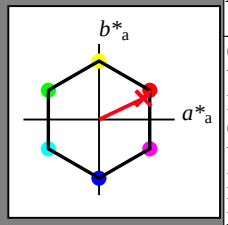
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

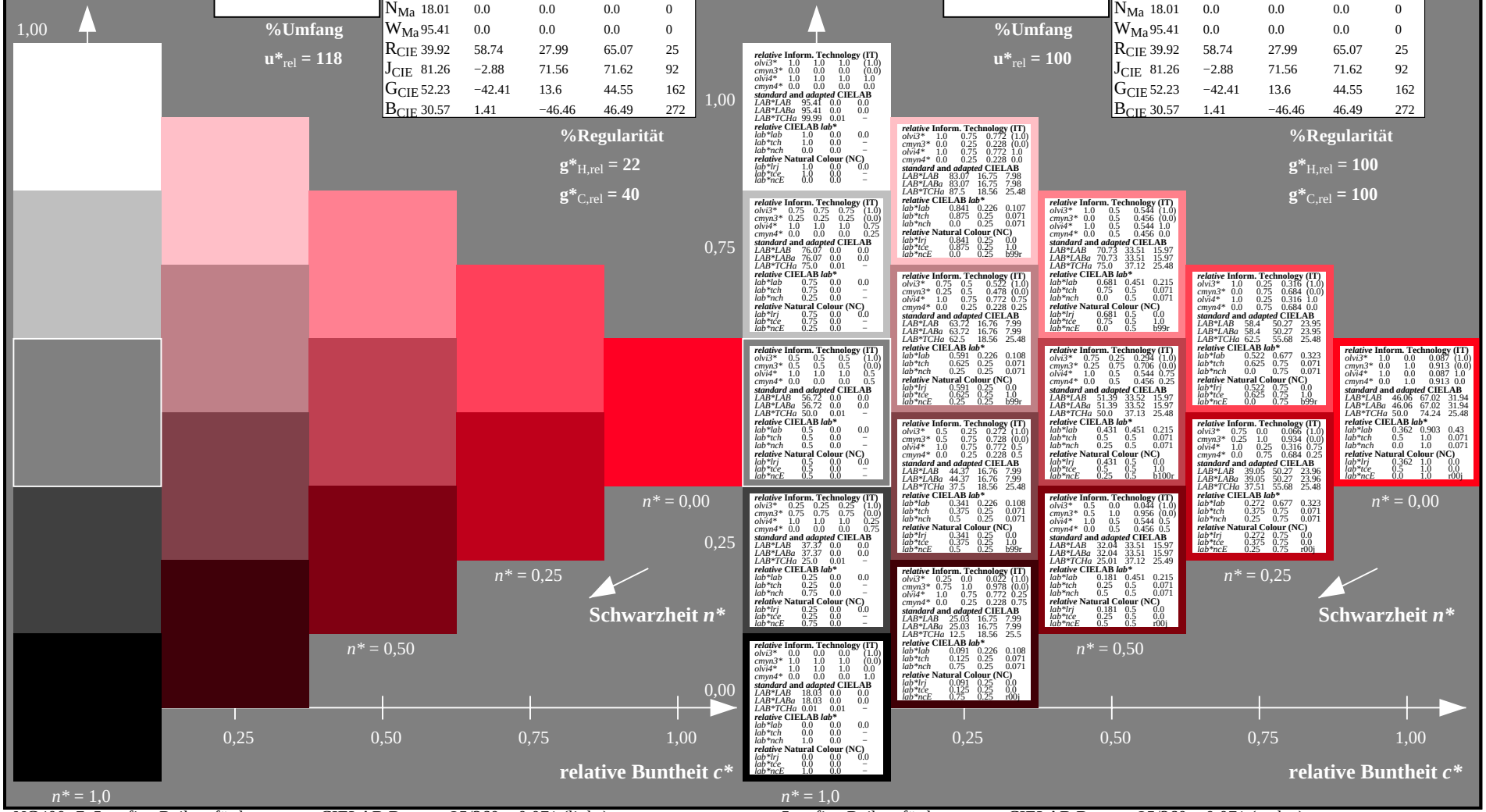


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



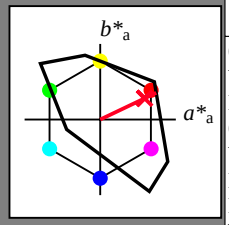
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

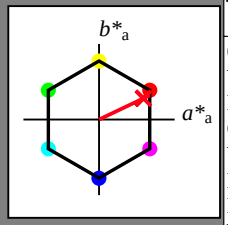
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

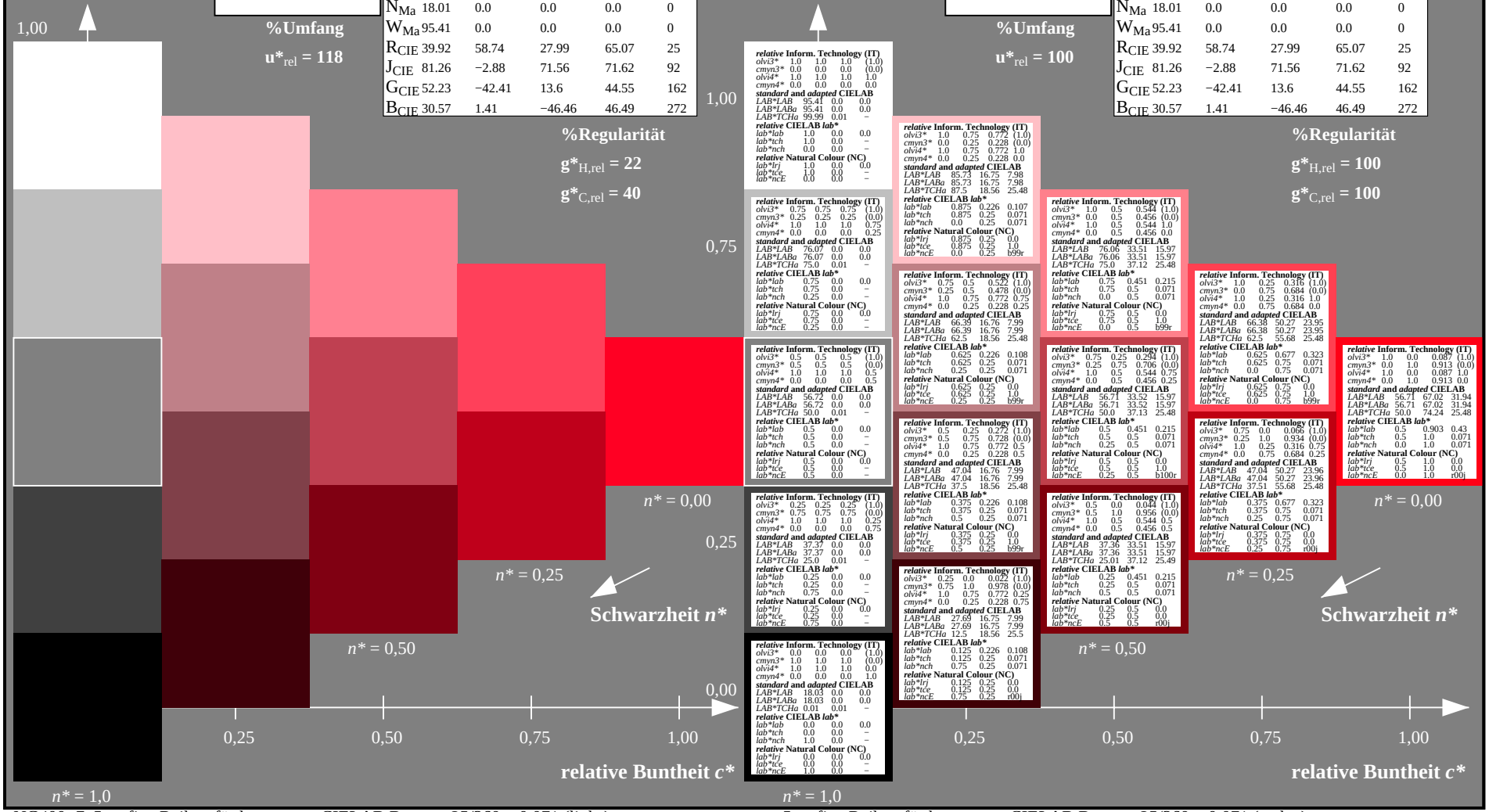
SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100



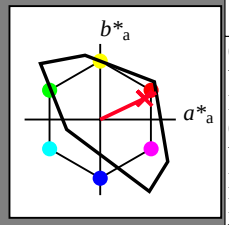
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

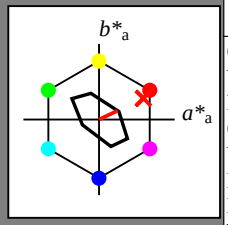
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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**

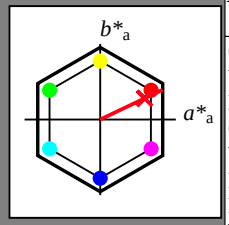
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

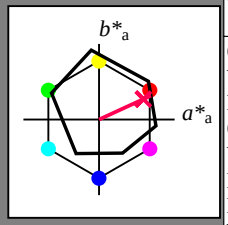
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

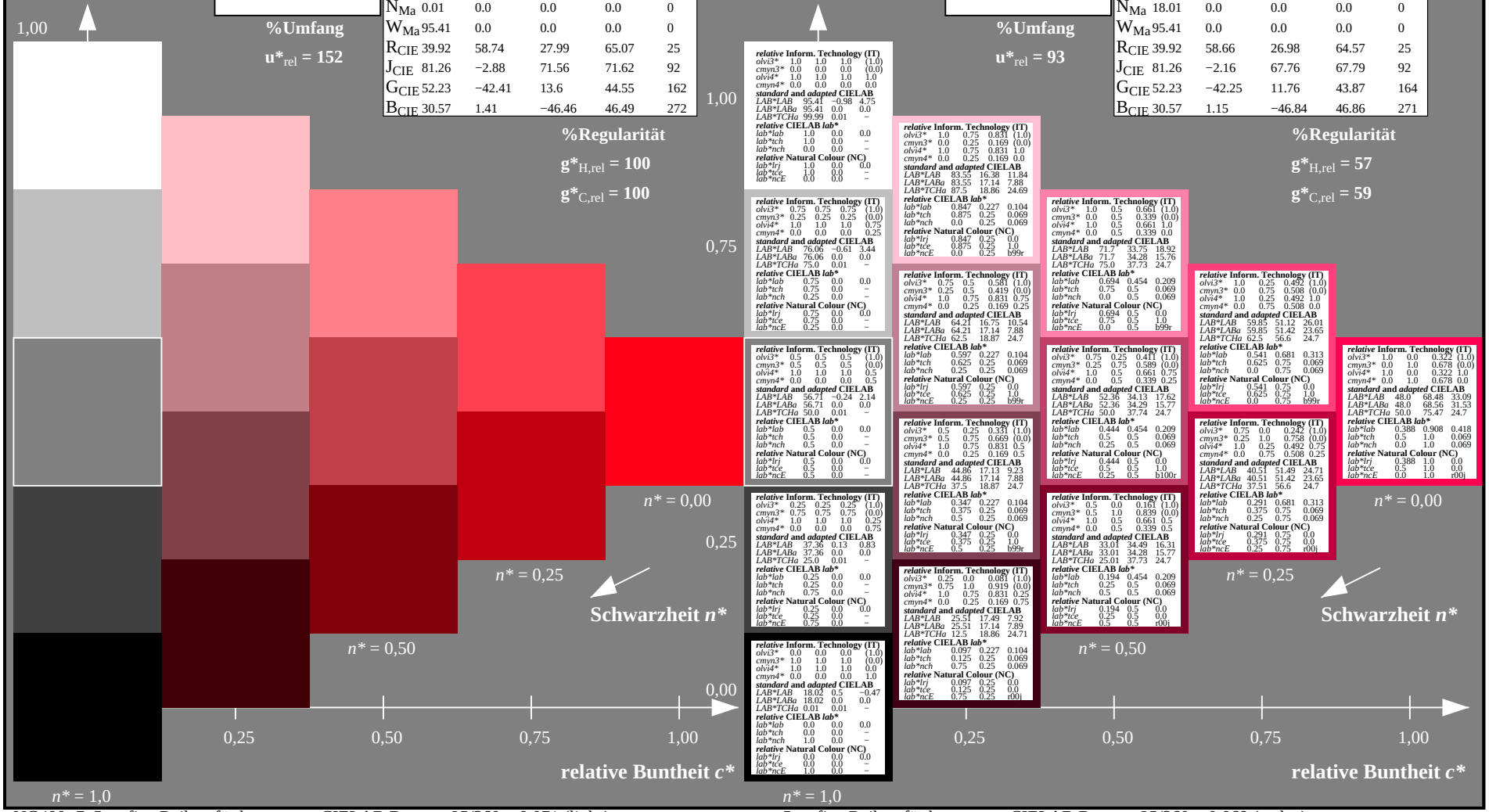
Dreiecks-Helligkeit



%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



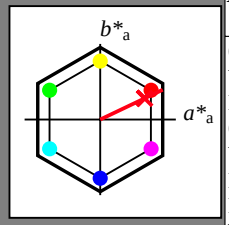
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

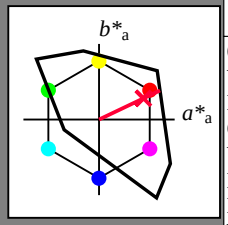
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

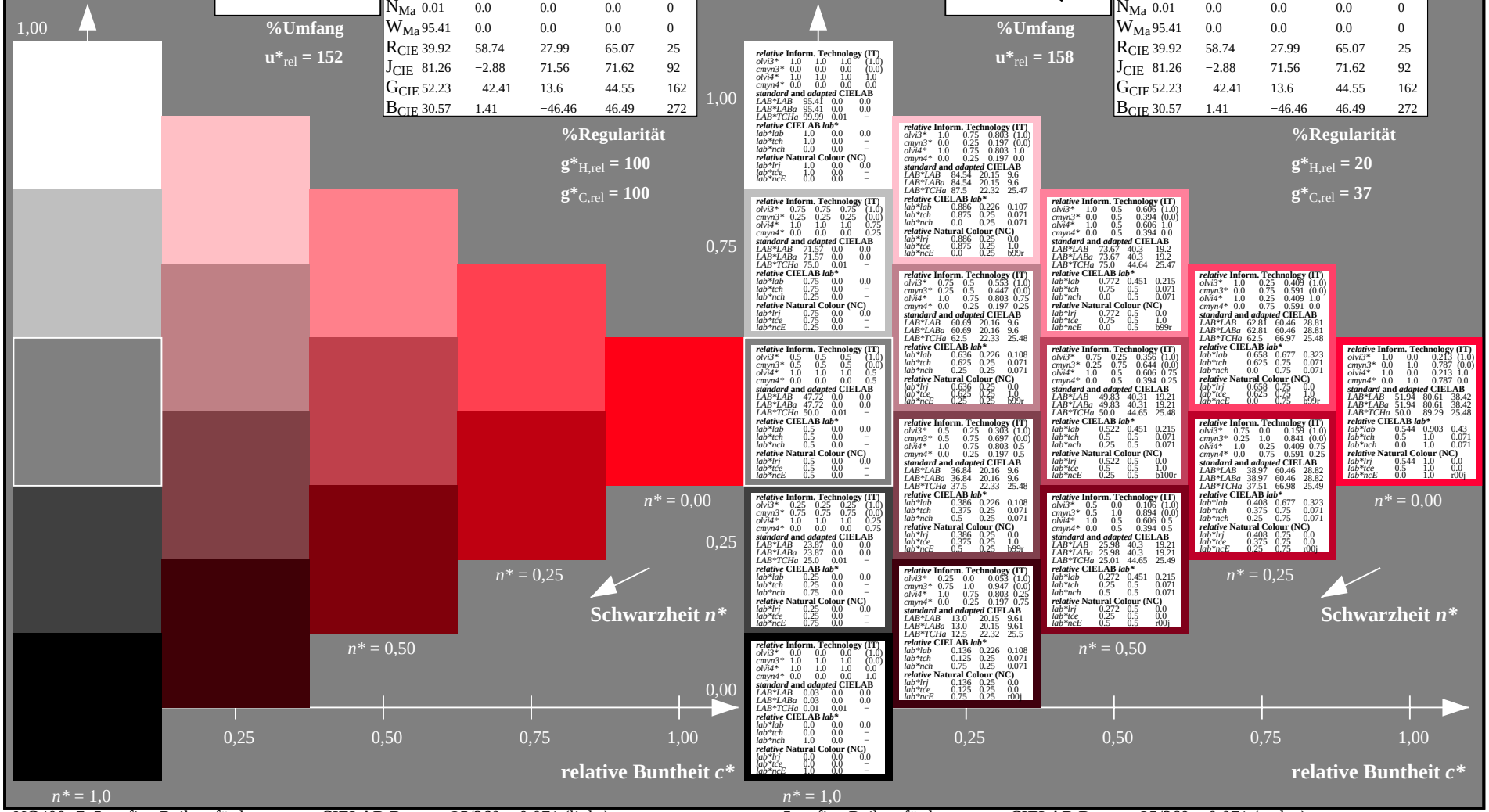


%Umfang
u^*_{rel} = 158

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



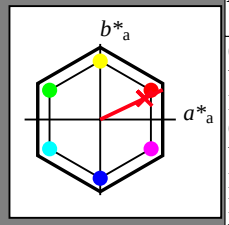
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

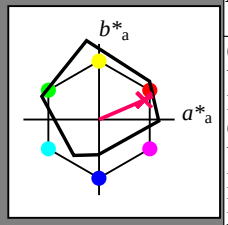
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = *lab*h* = 23/360 = 0.065**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

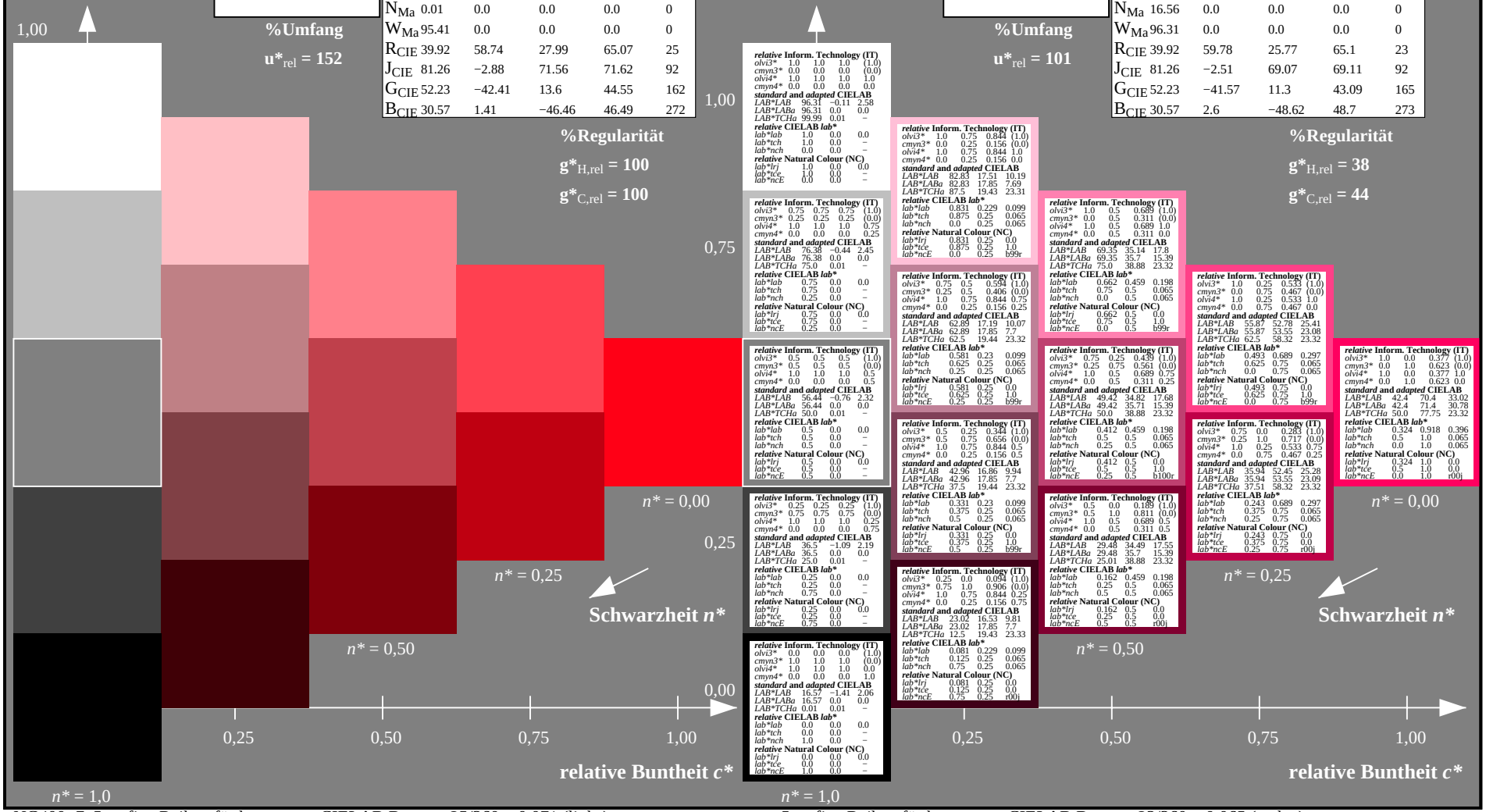
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



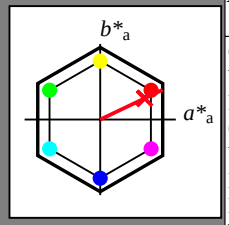
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

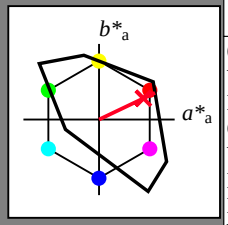
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit

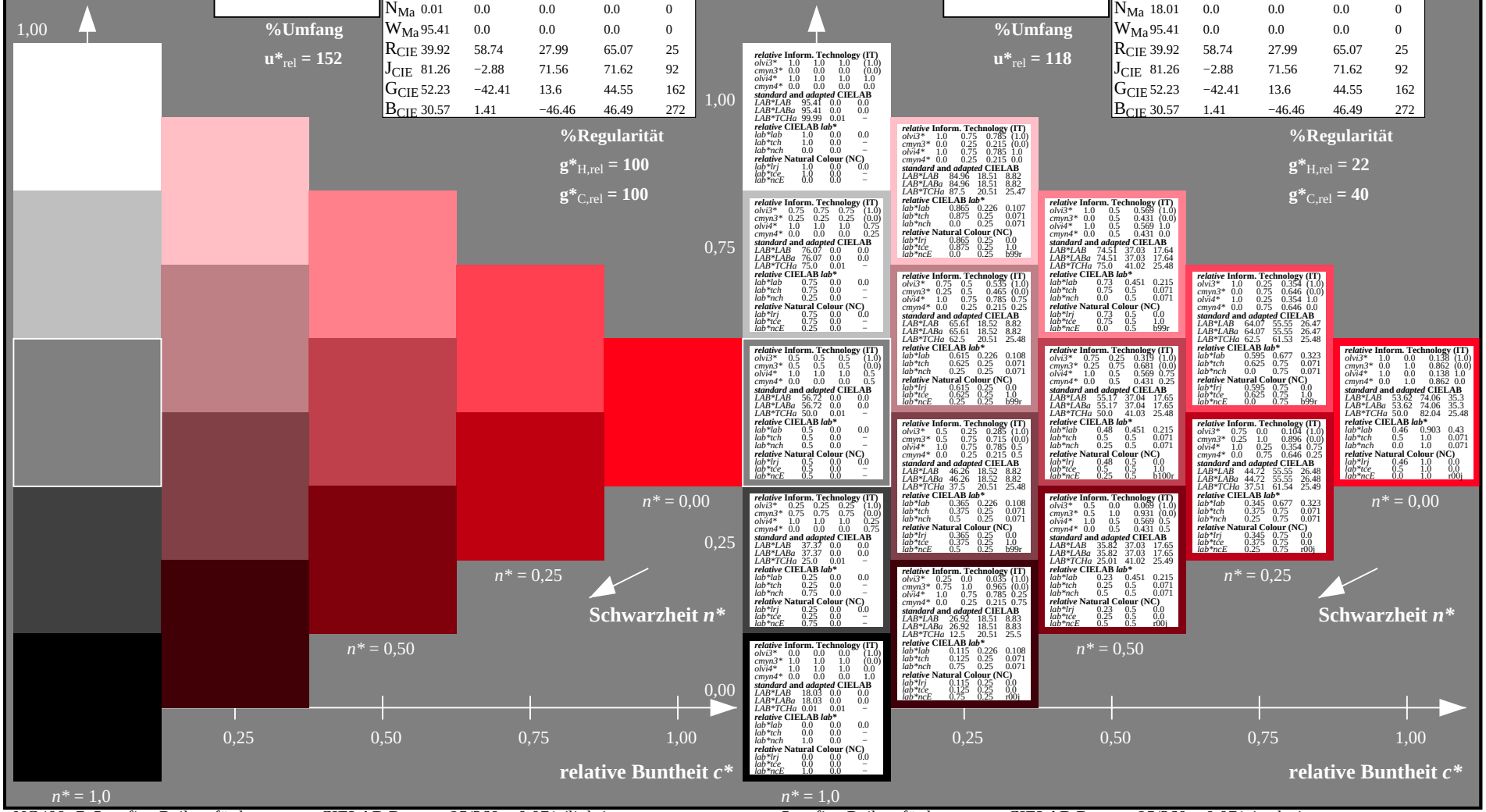


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



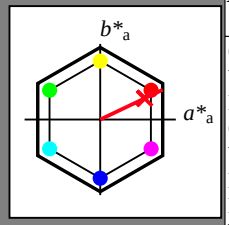
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

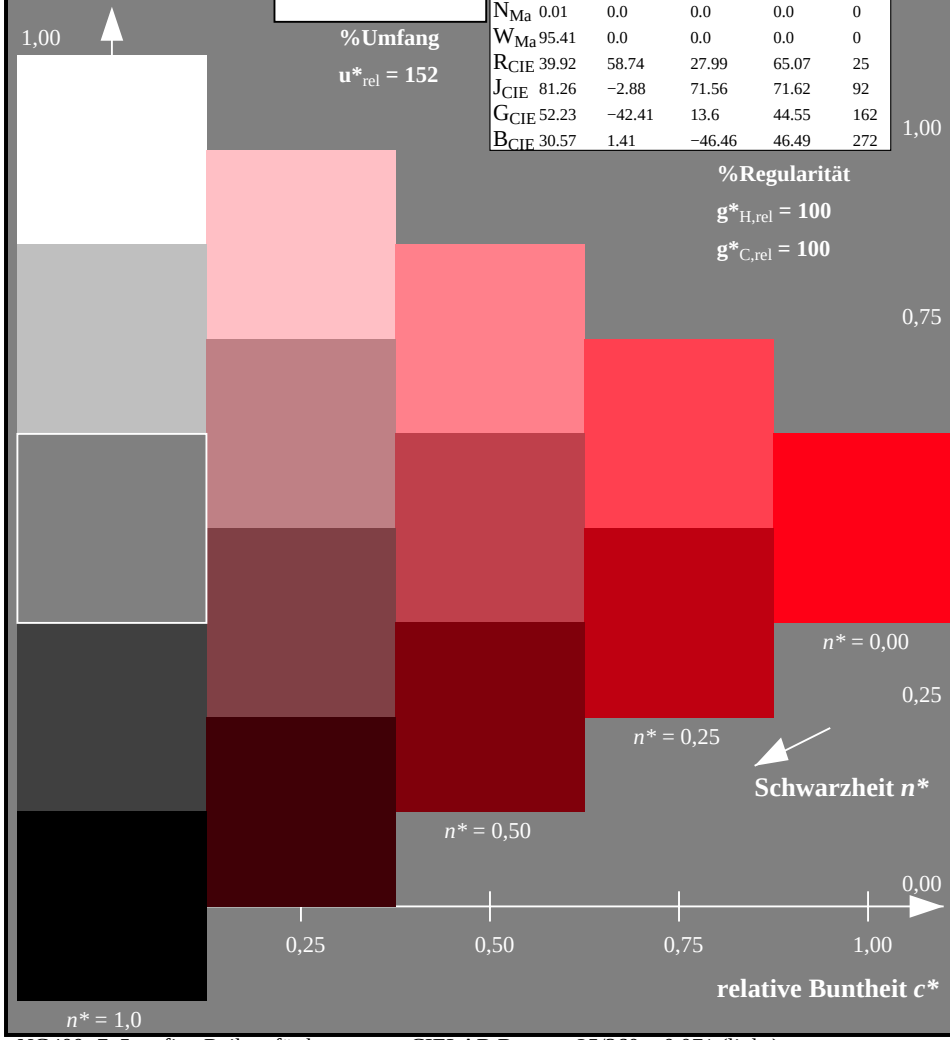
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



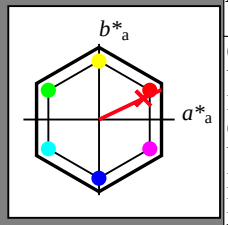
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

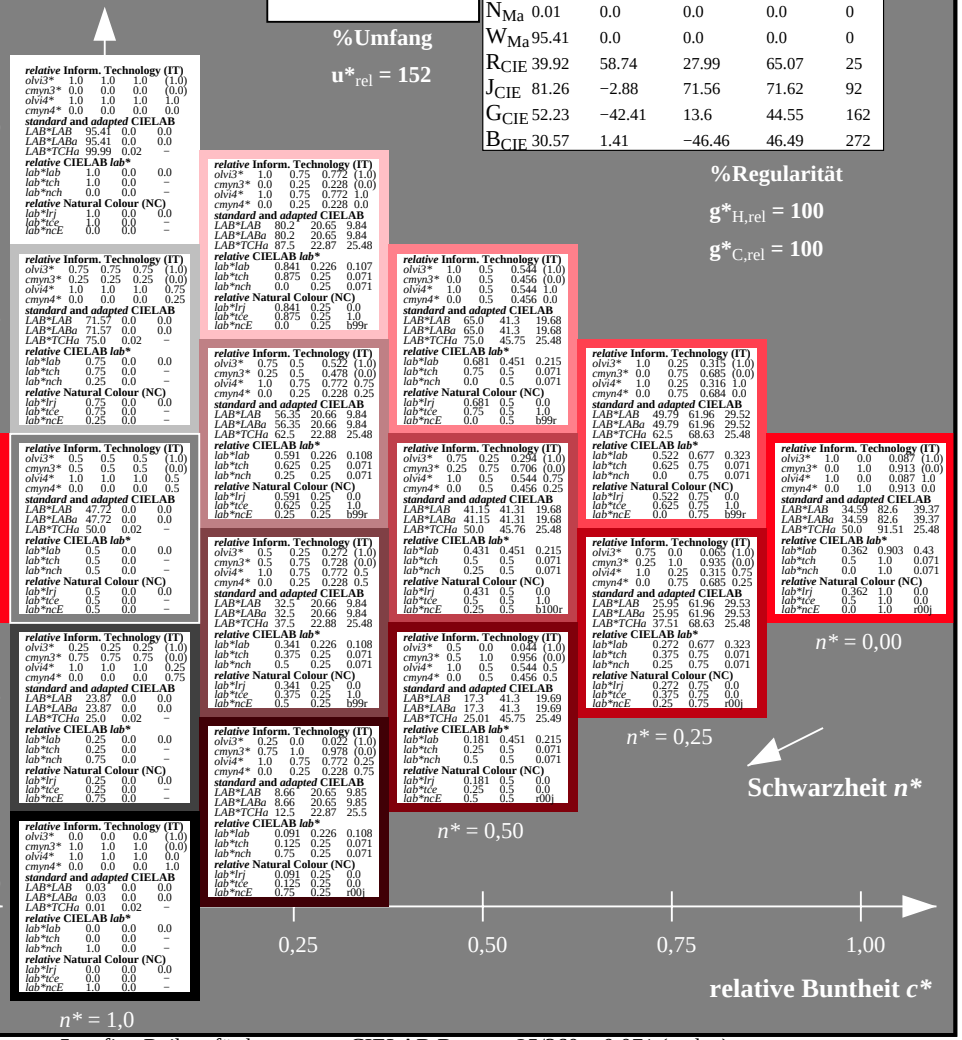
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



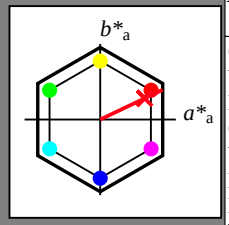
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

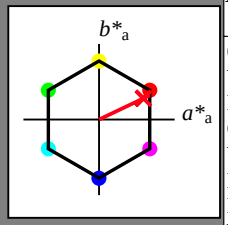
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

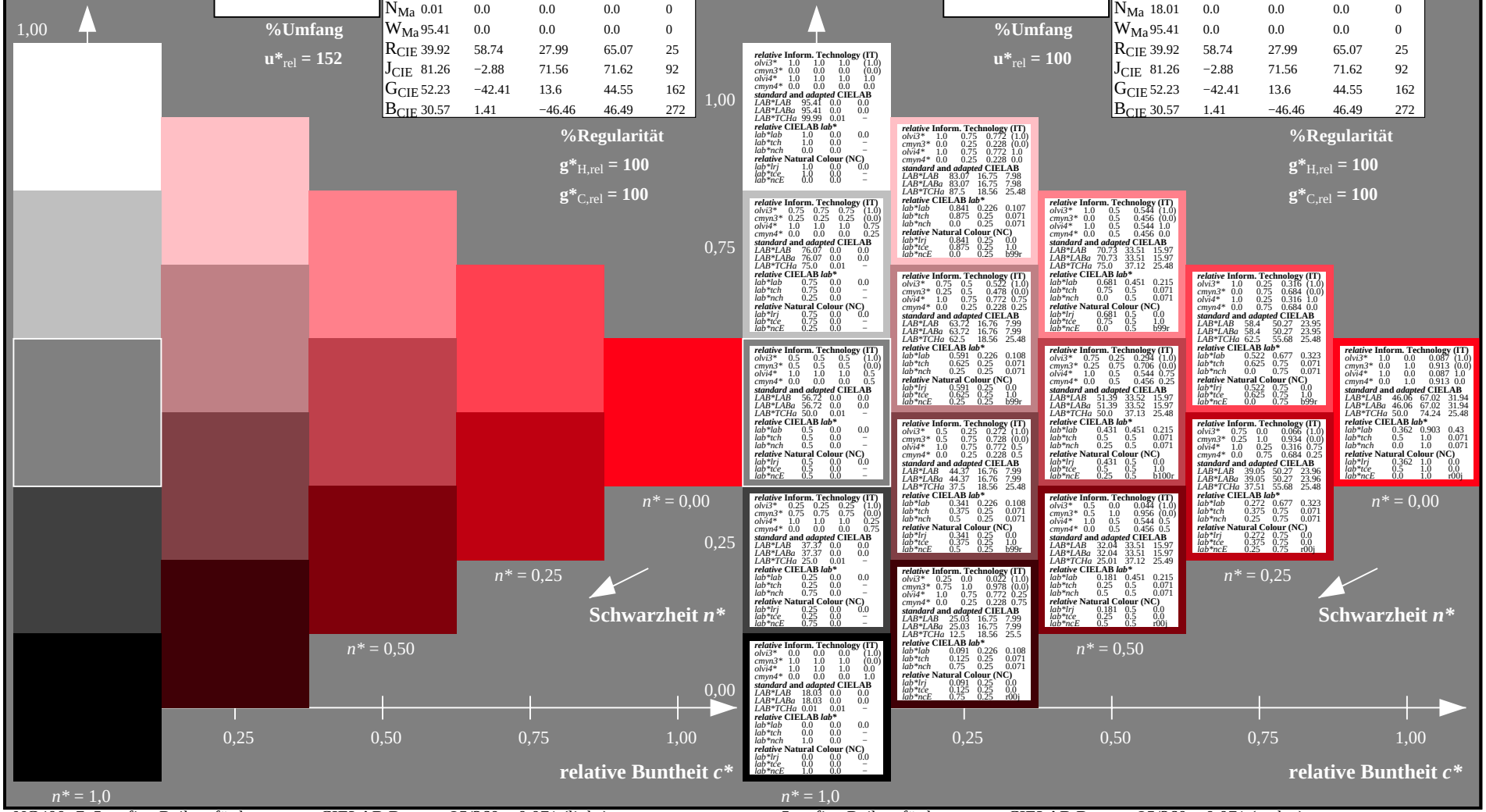


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



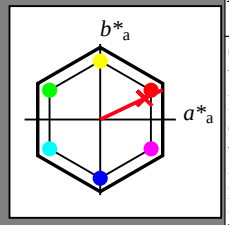
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

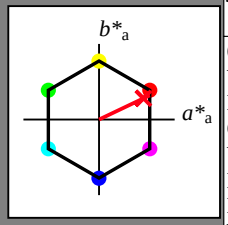
%Regularität
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

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 Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

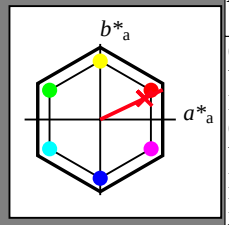
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

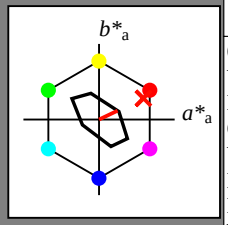
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit

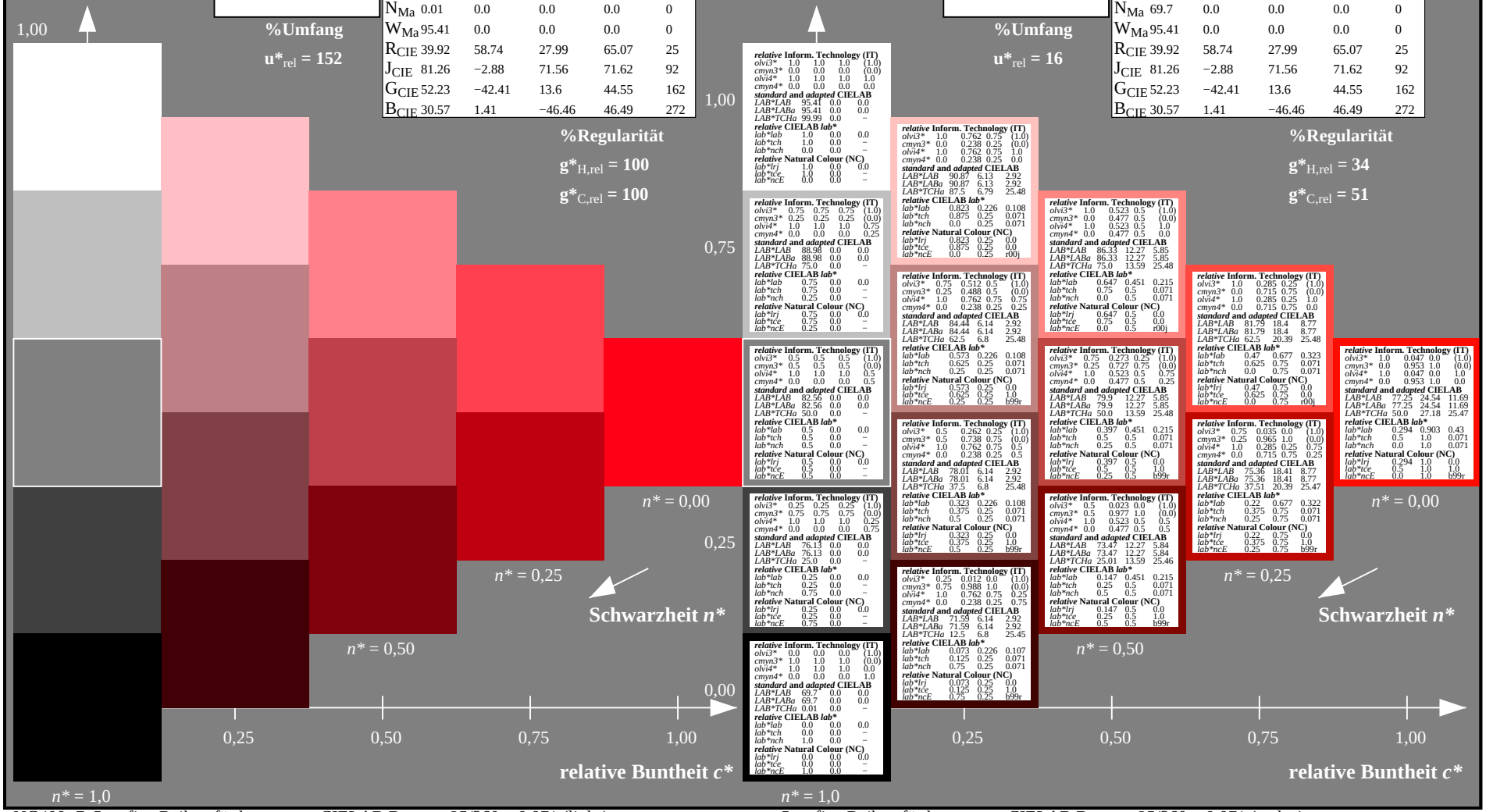


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

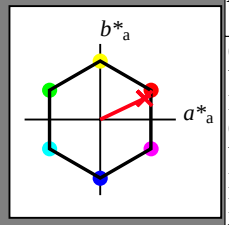
5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18

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

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

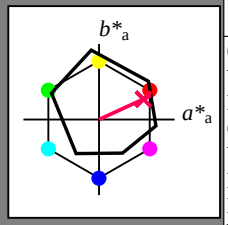
%Regularität
g*H,rel = 100
g*C,rel = 100

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

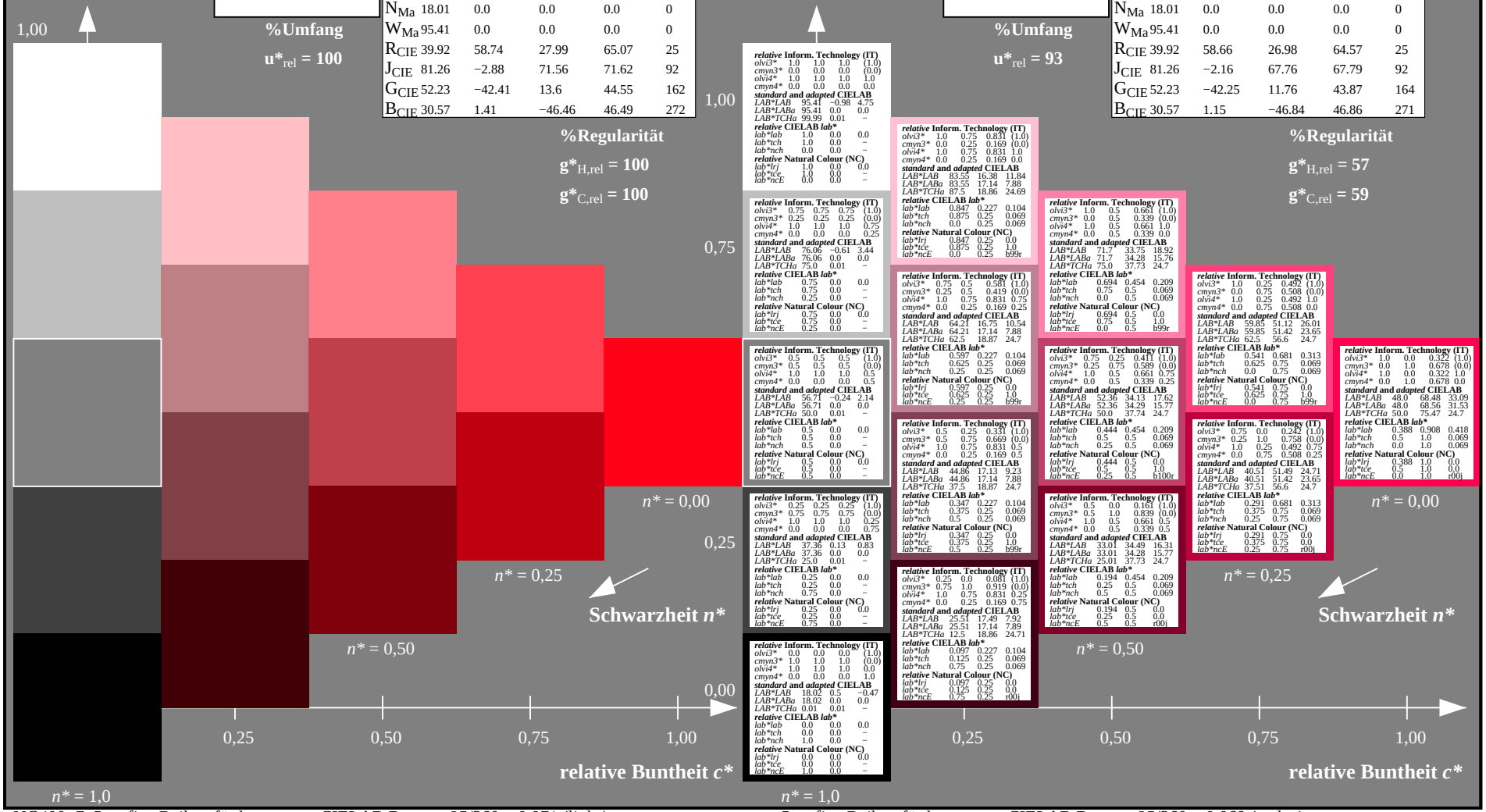


%Umfang
u*rel = 93

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



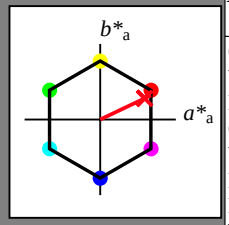
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

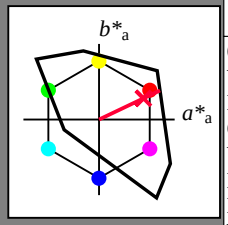
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: 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



%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**

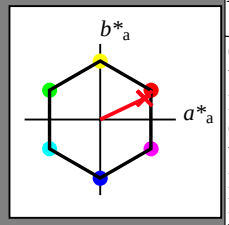
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

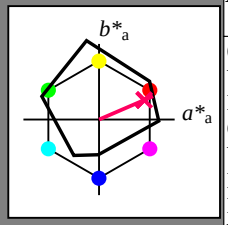
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

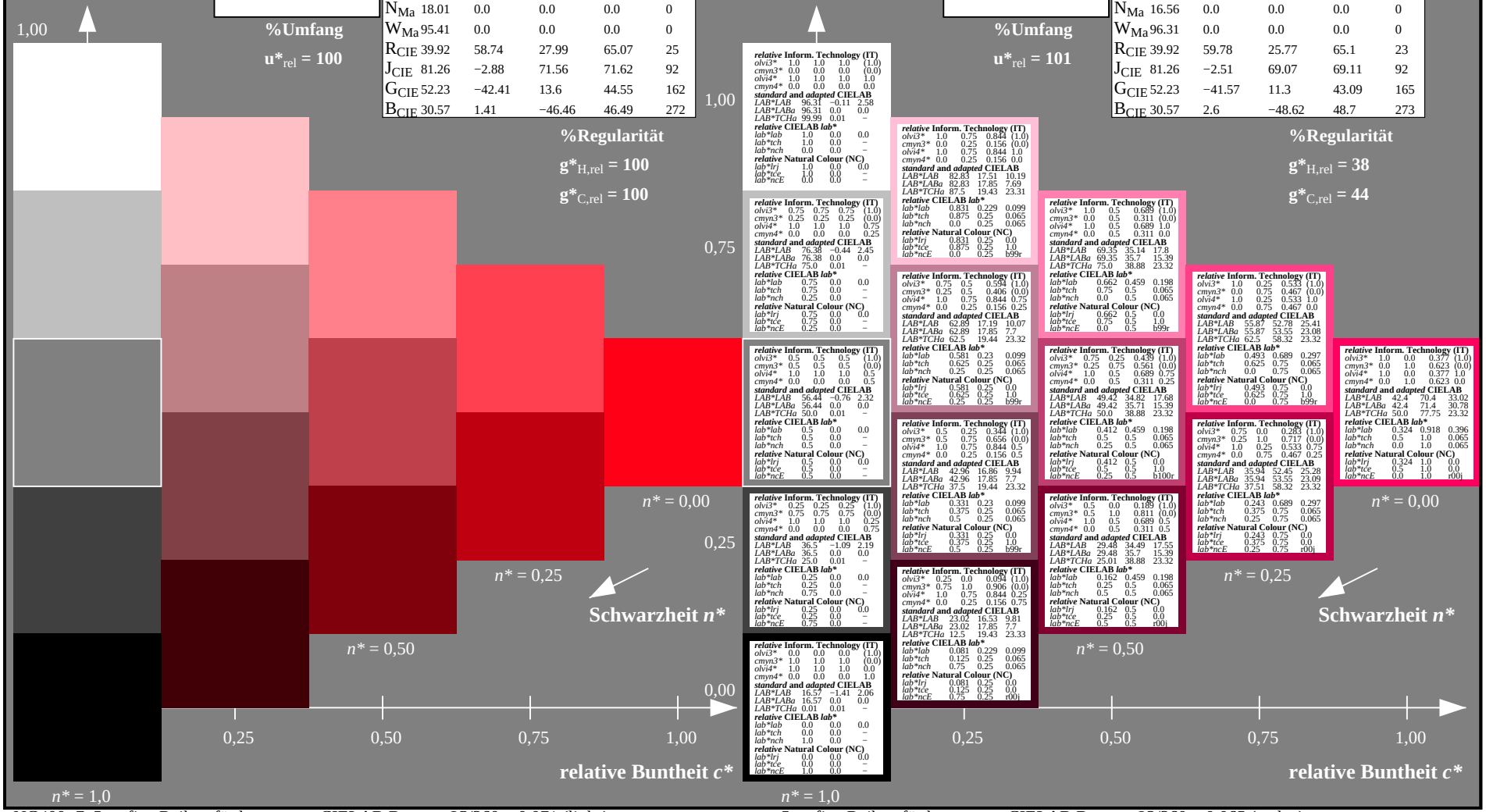
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



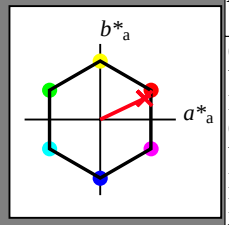
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

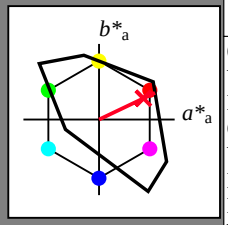
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

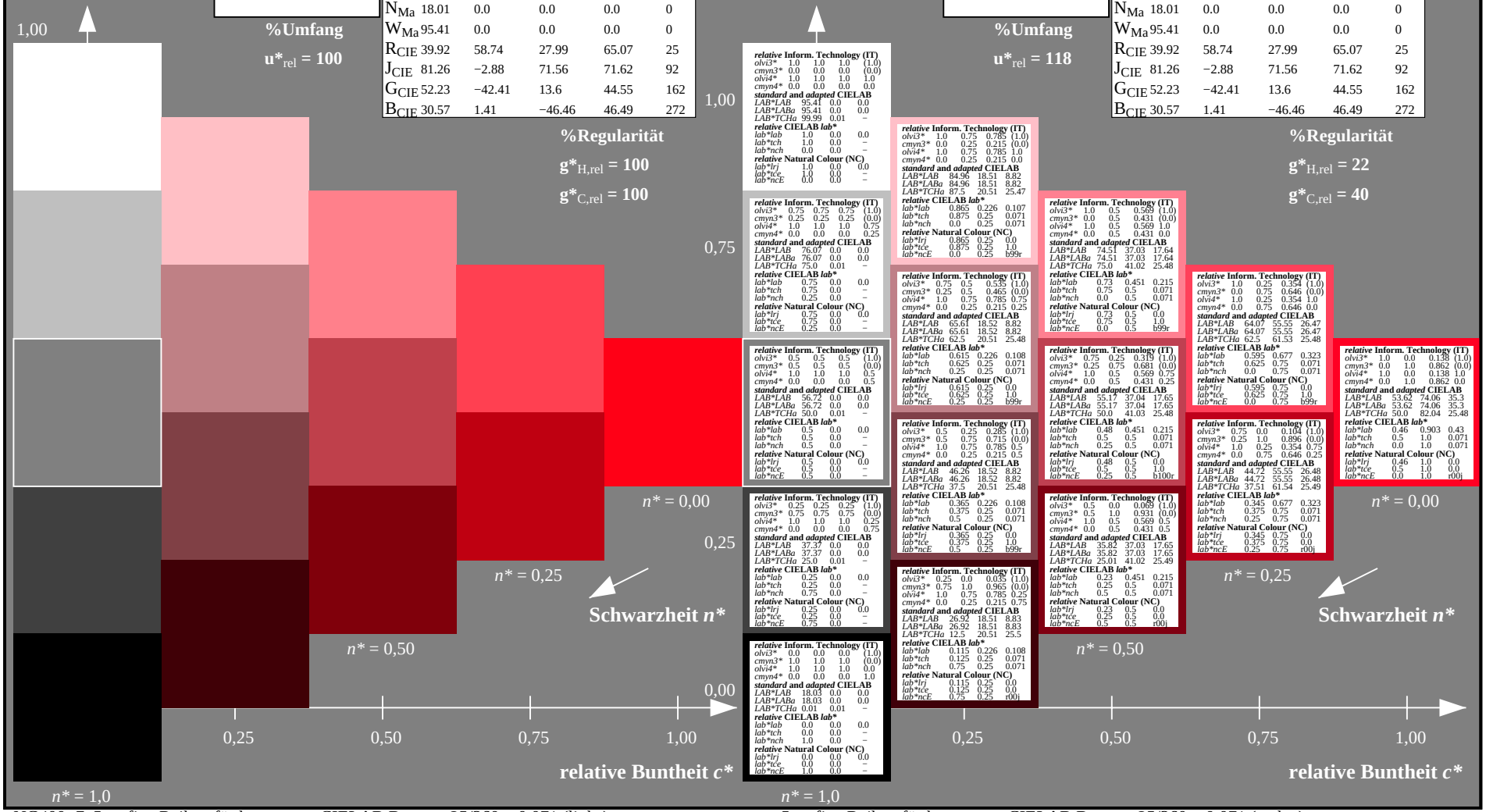
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



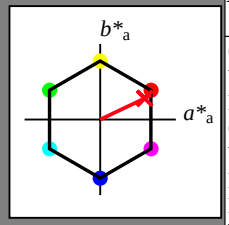
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

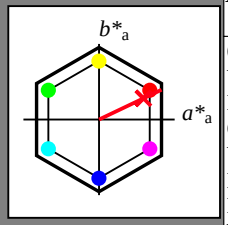
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

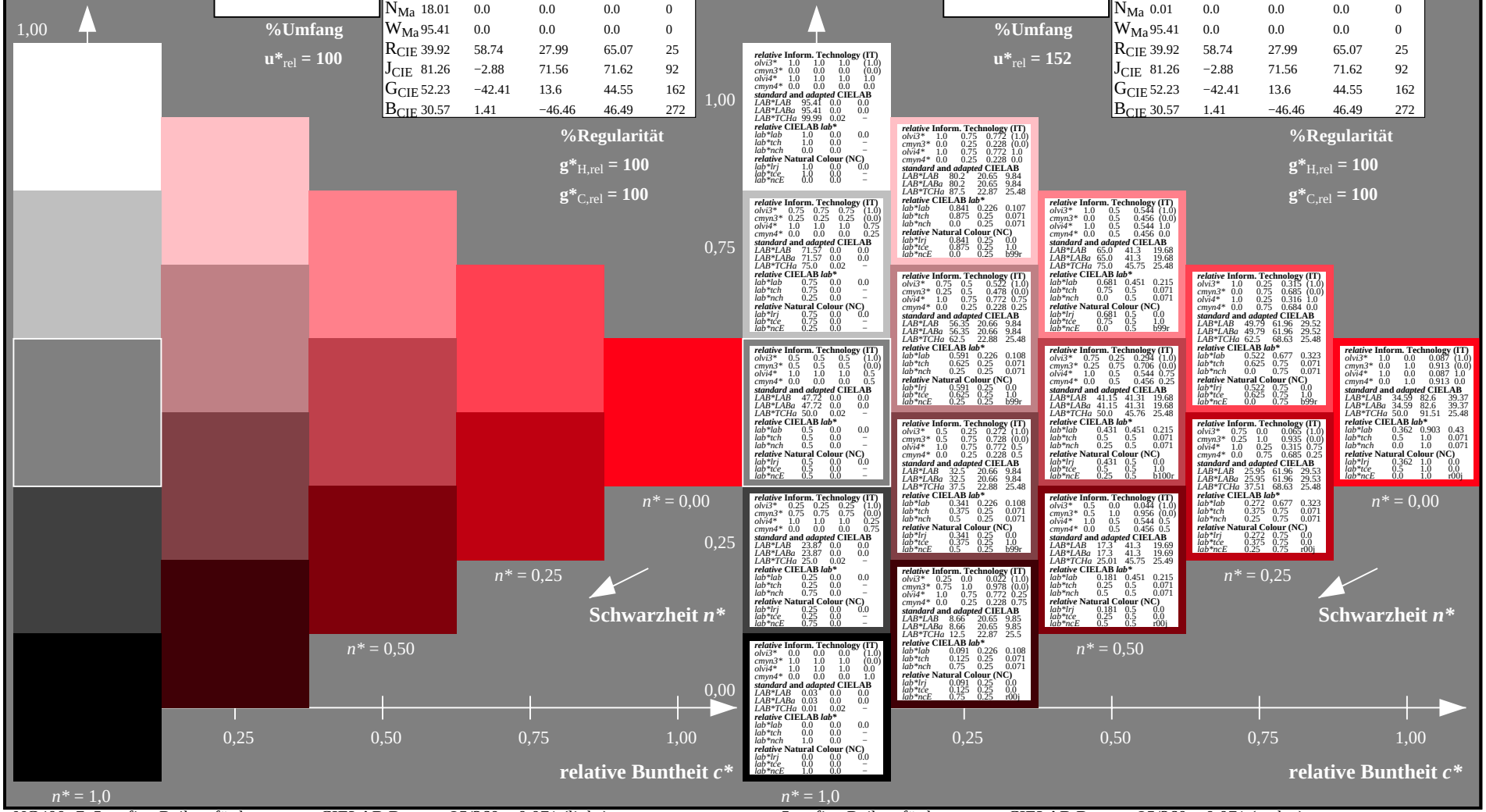


%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

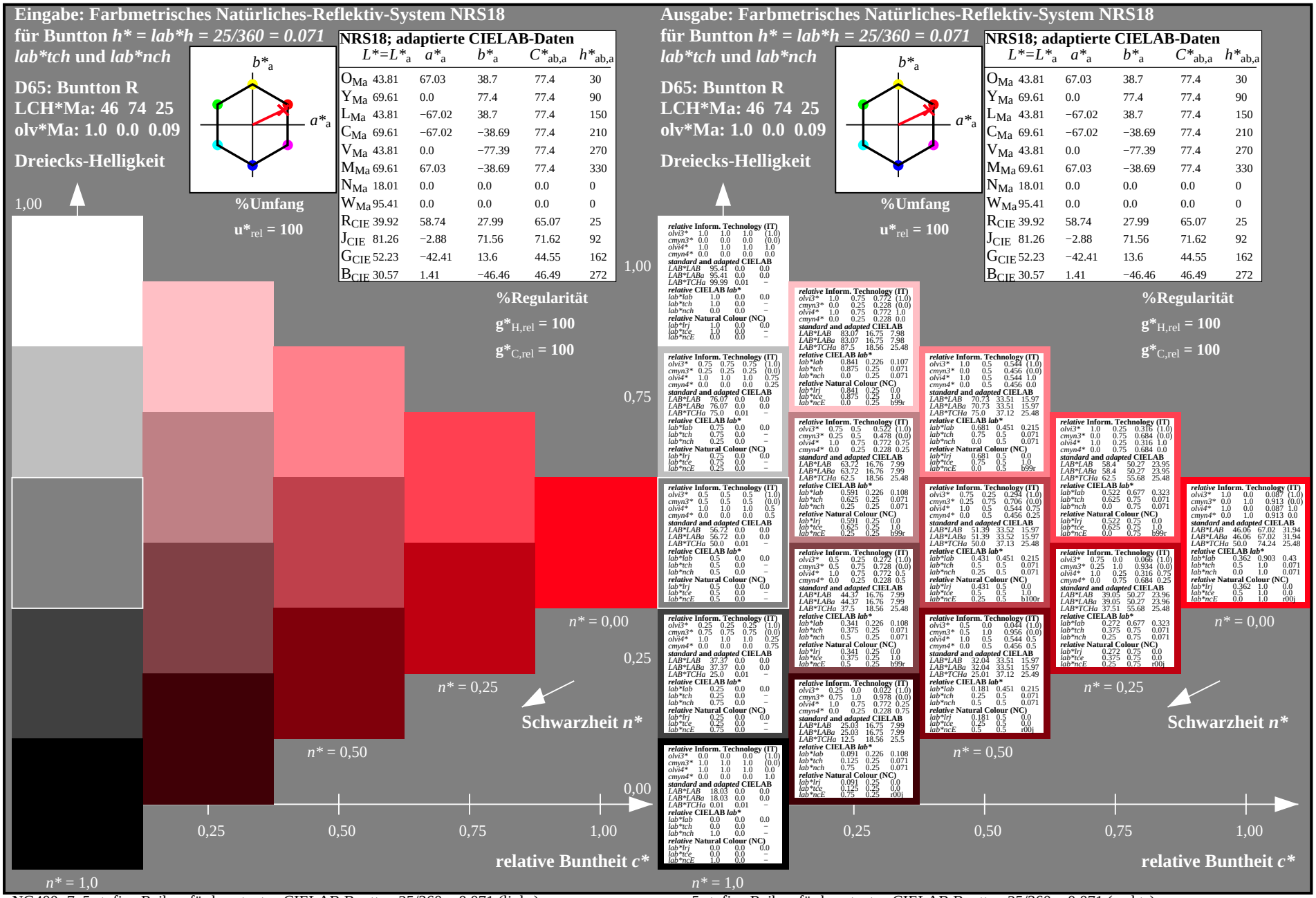
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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



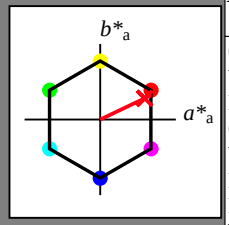
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

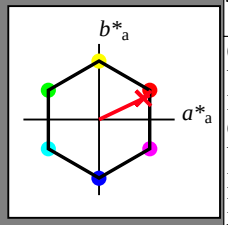
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

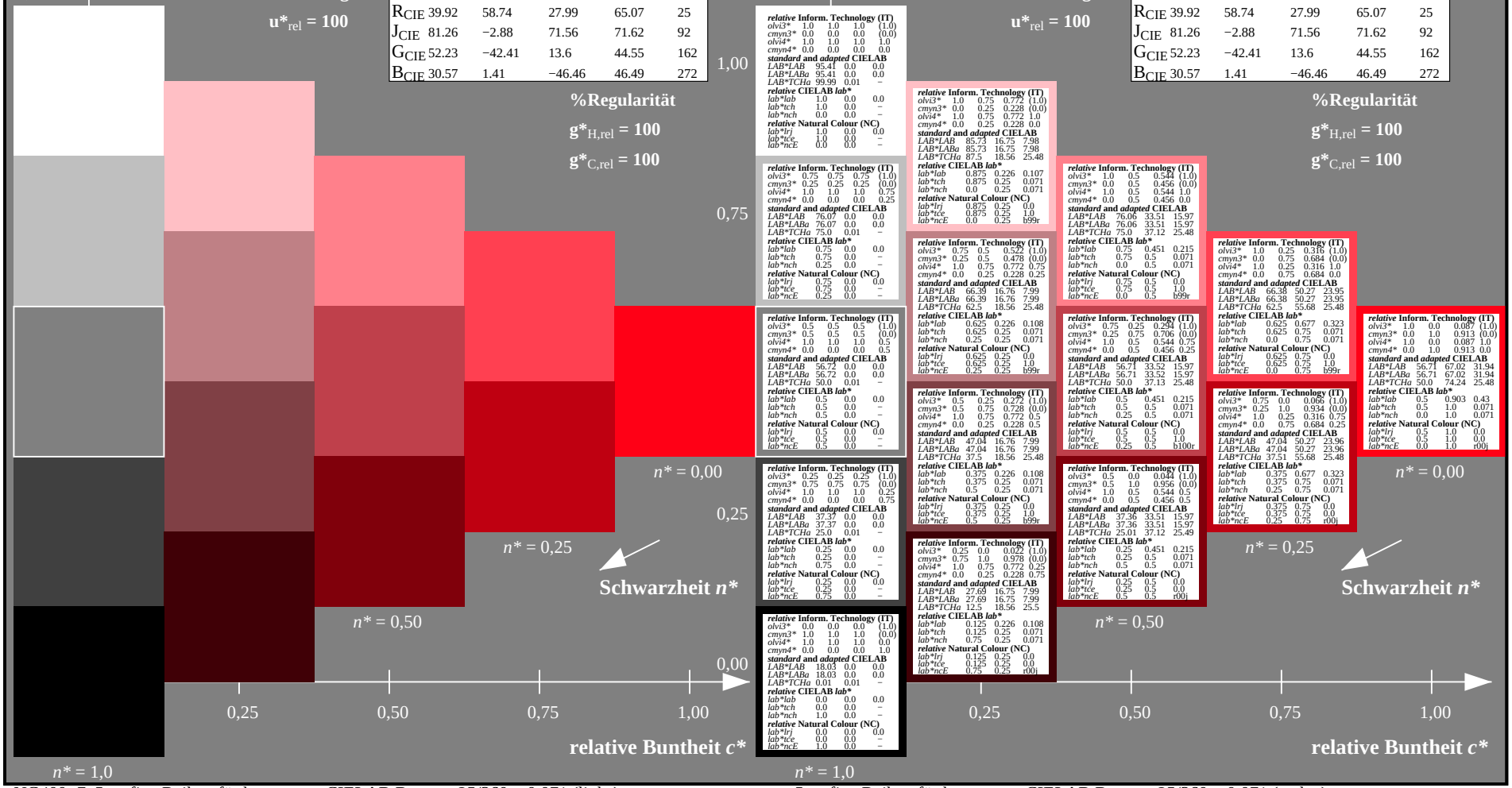


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

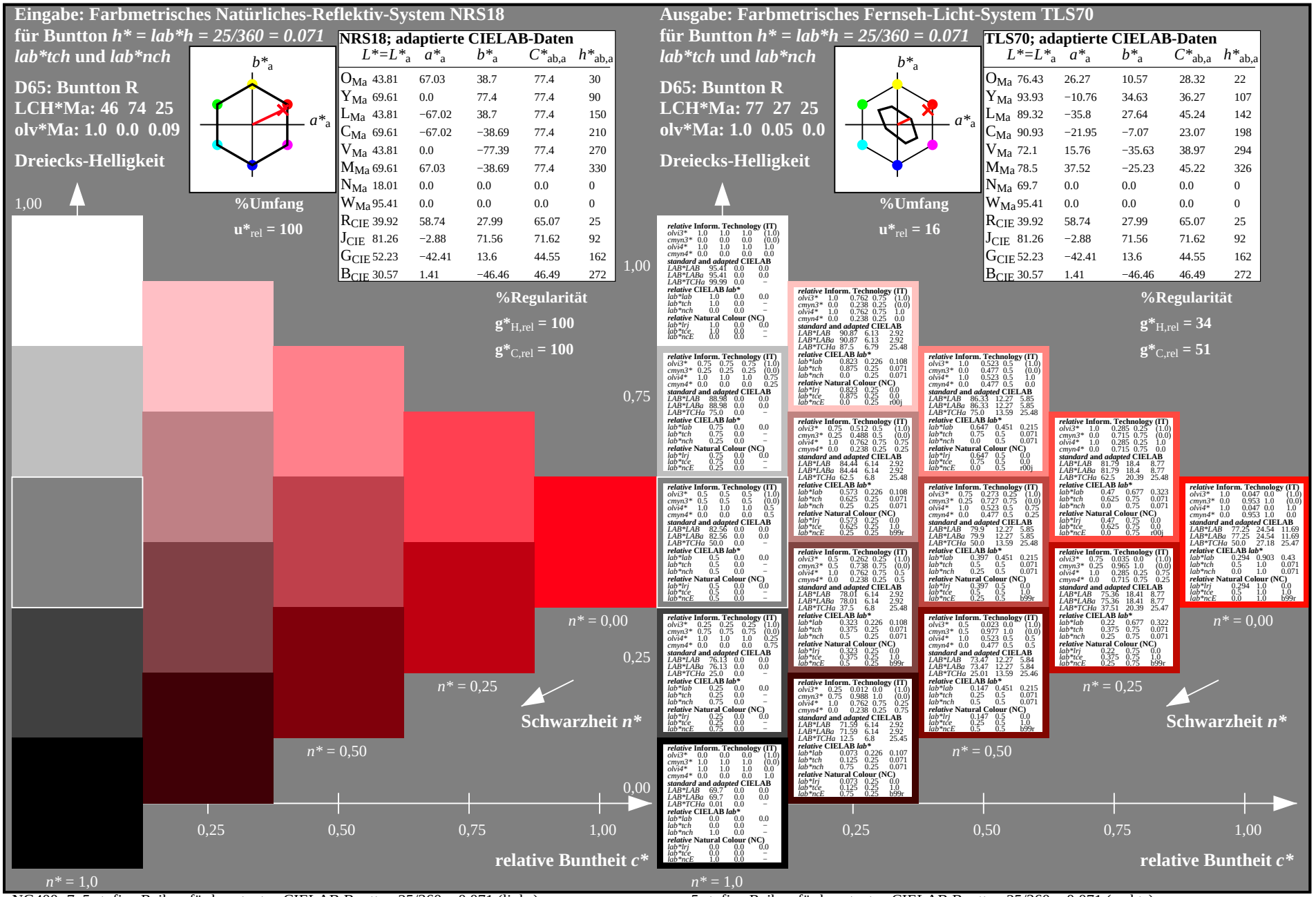
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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



NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

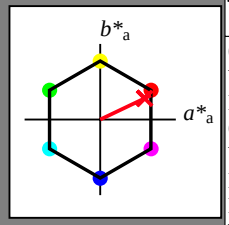
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

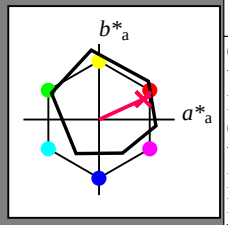
g*$_{C,rel}$ = 100

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



%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

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**

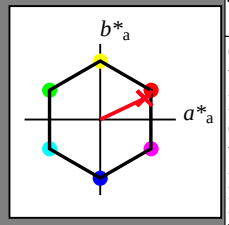
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

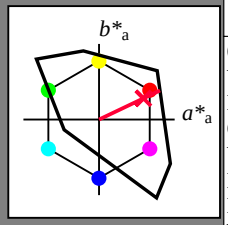
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

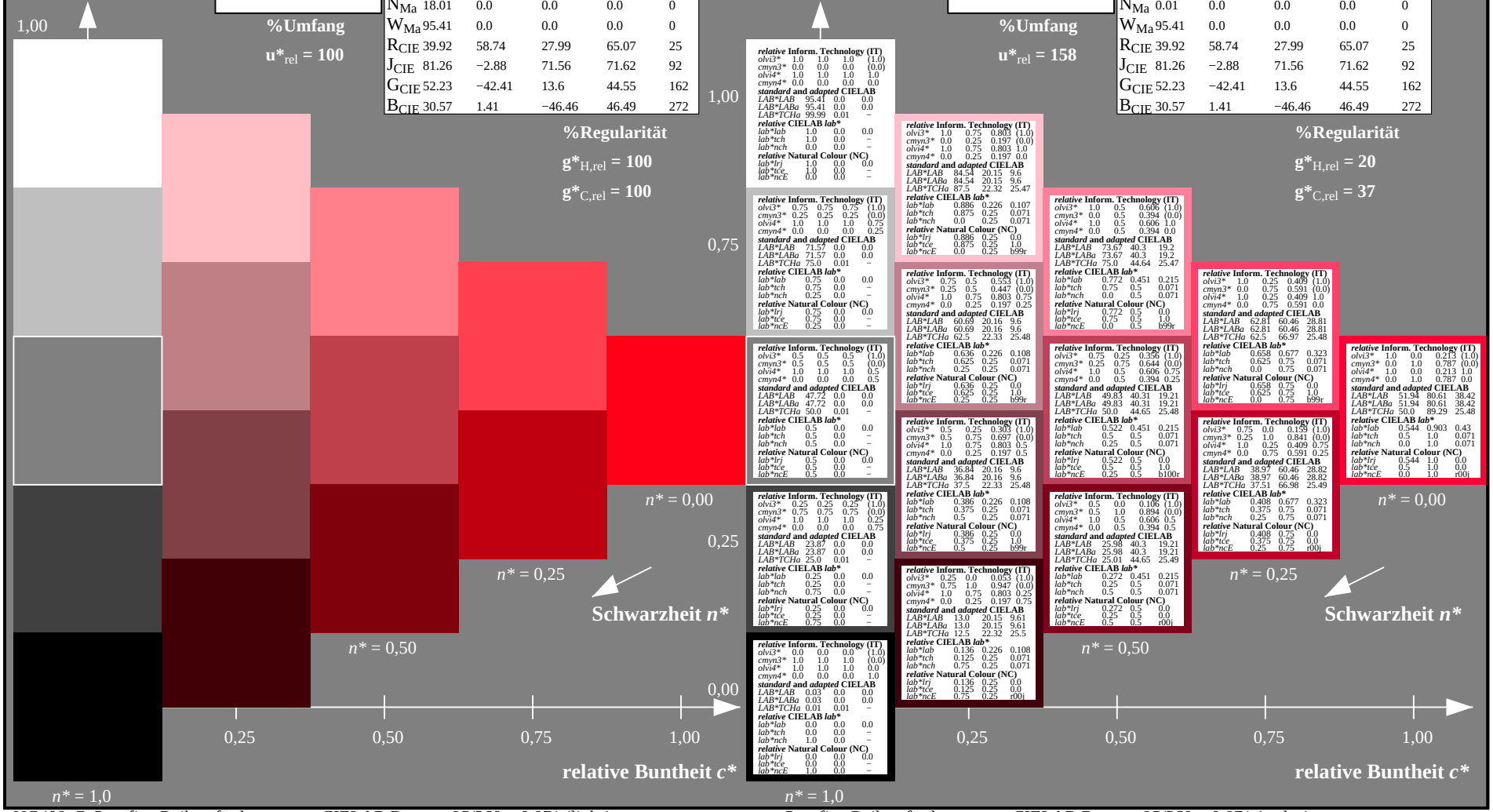


%Umfang
u^*_{rel} = 158

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



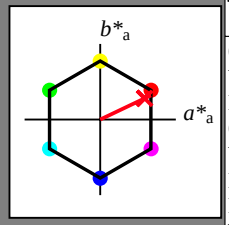
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

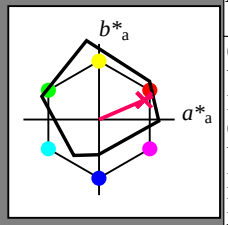
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit

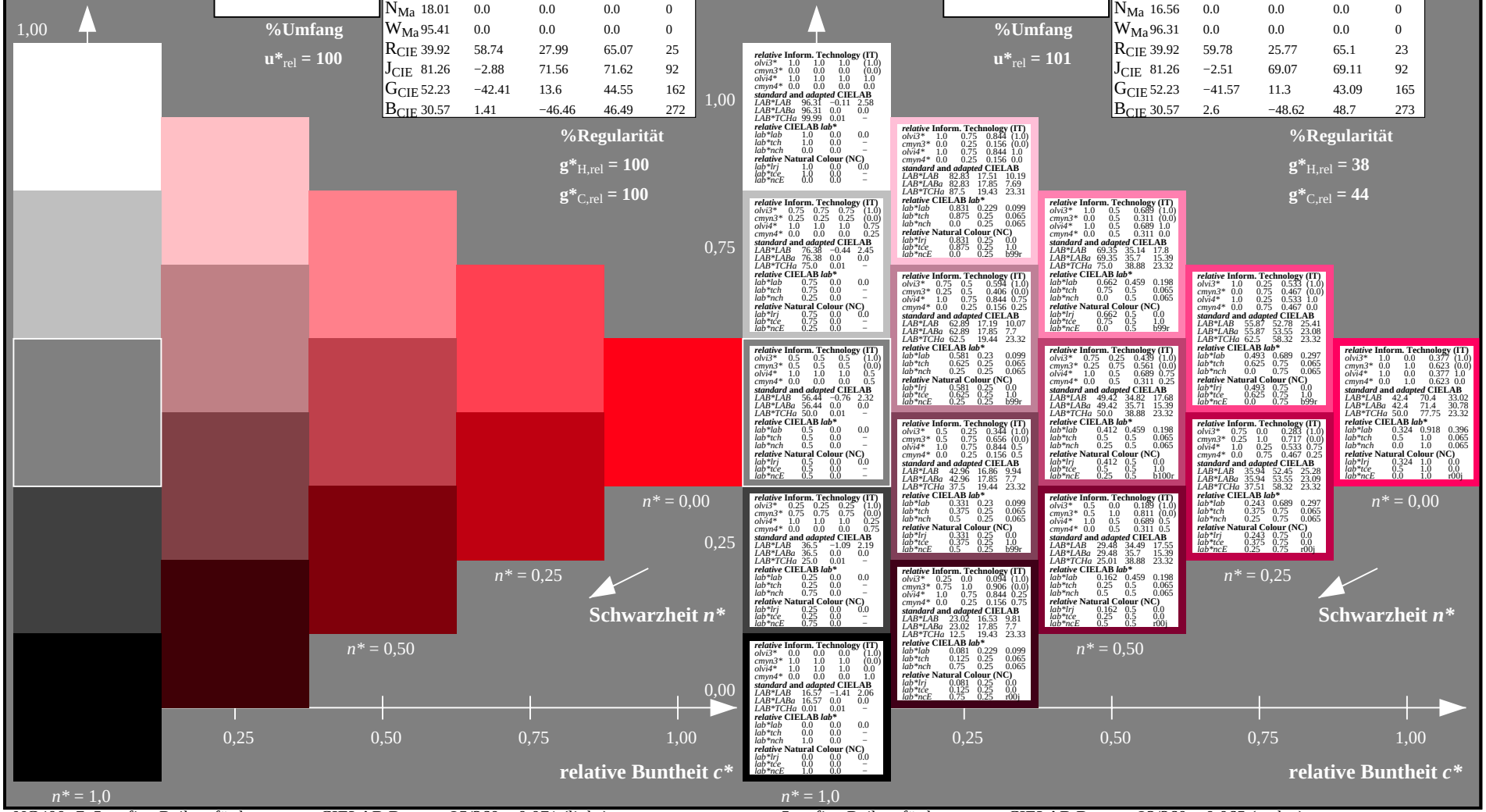


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



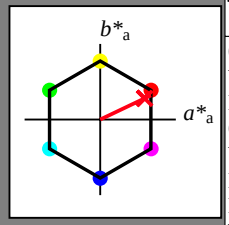
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

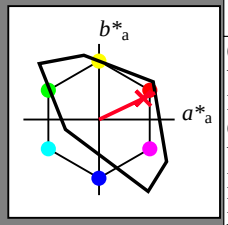
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

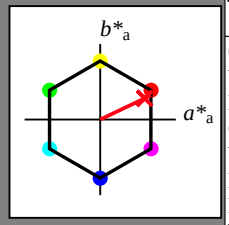
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

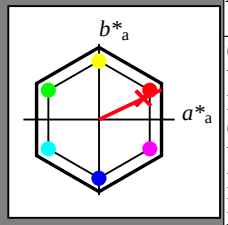
%Regularität
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

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 Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

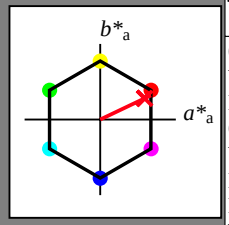
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

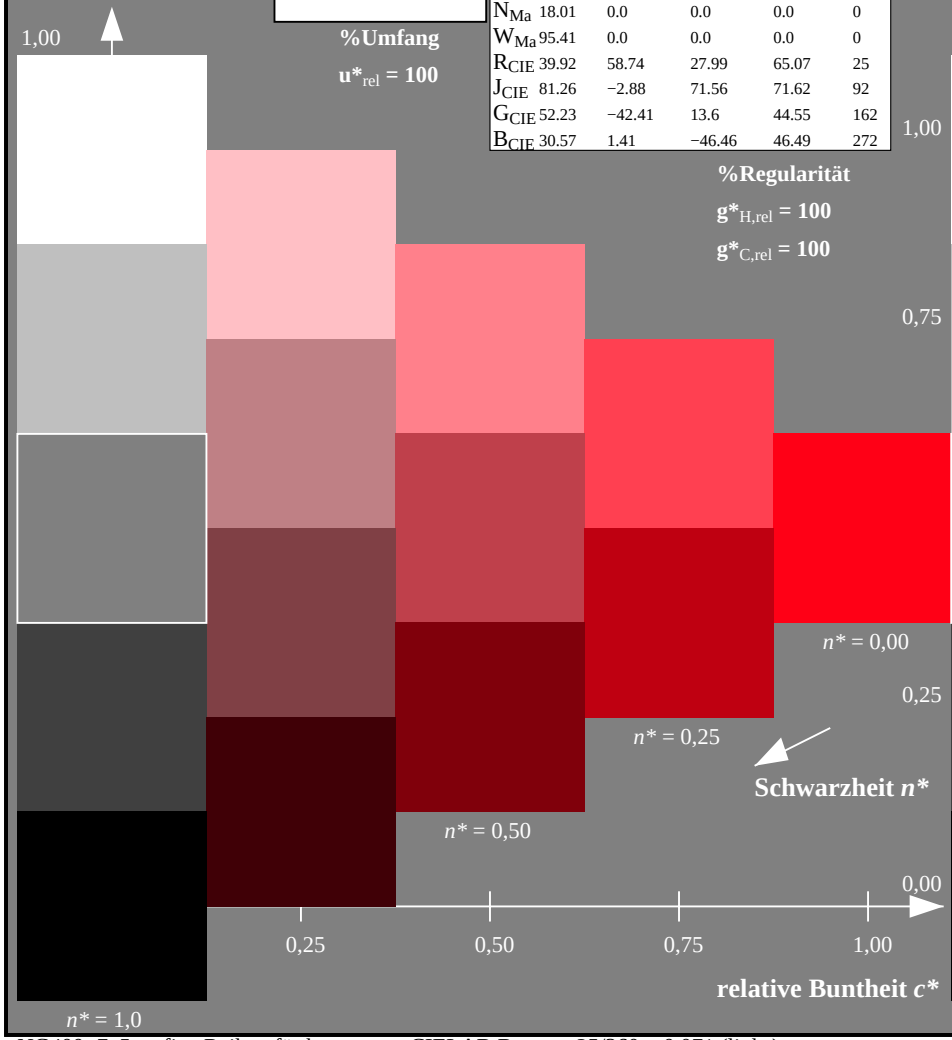


%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

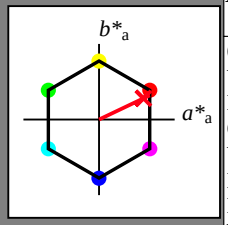
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

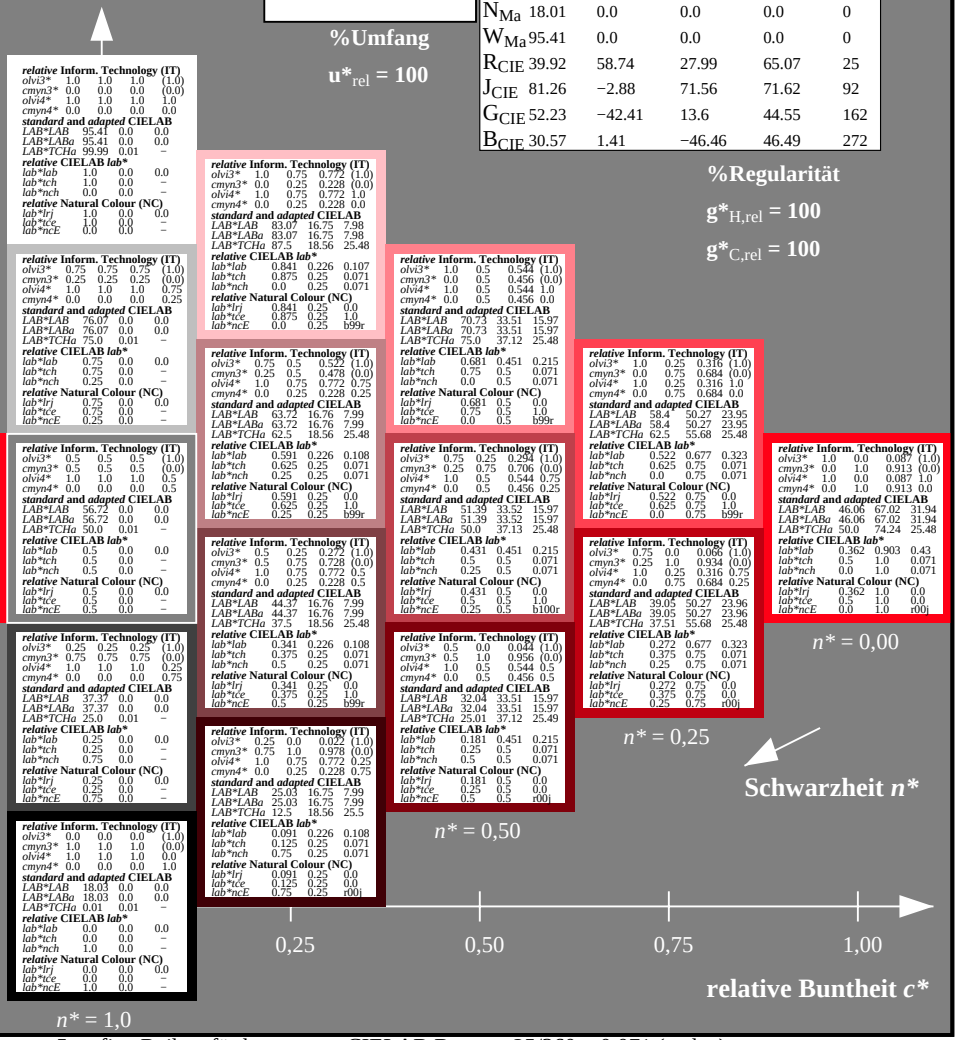


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



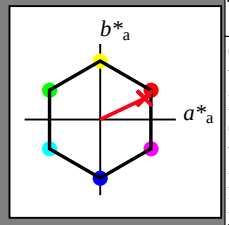
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

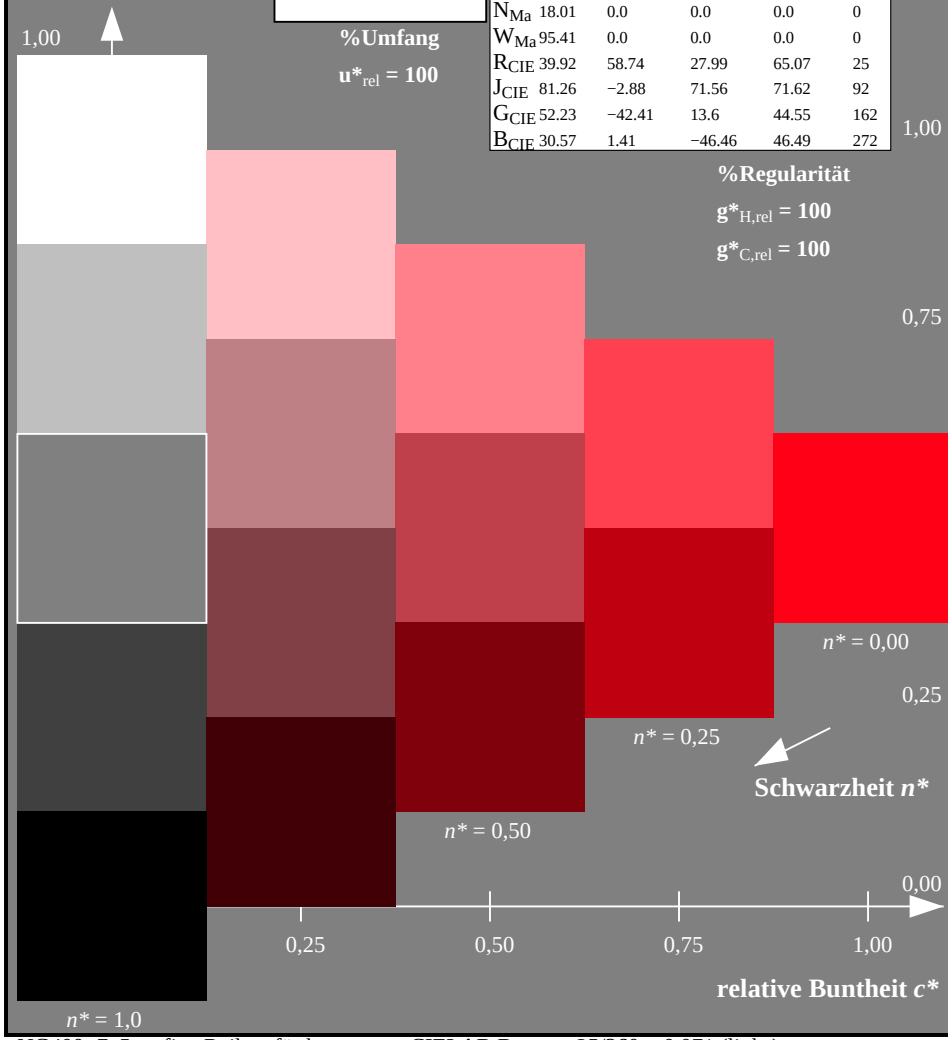
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

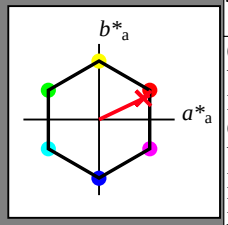


%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

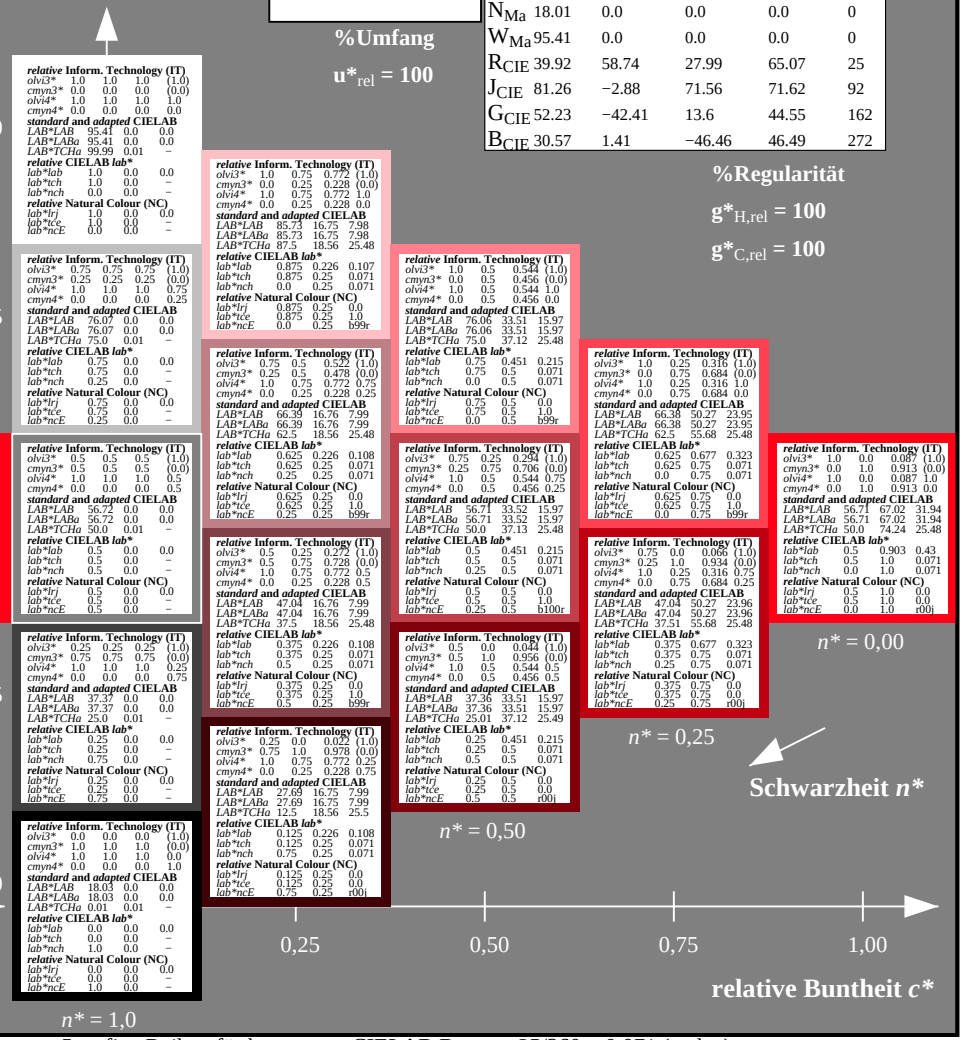
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



%Regularität
g*H,rel = 100
g*C,rel = 100

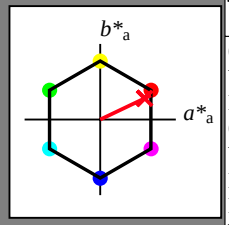
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

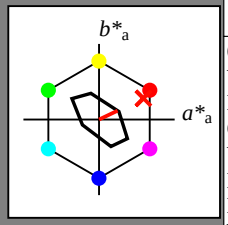
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit

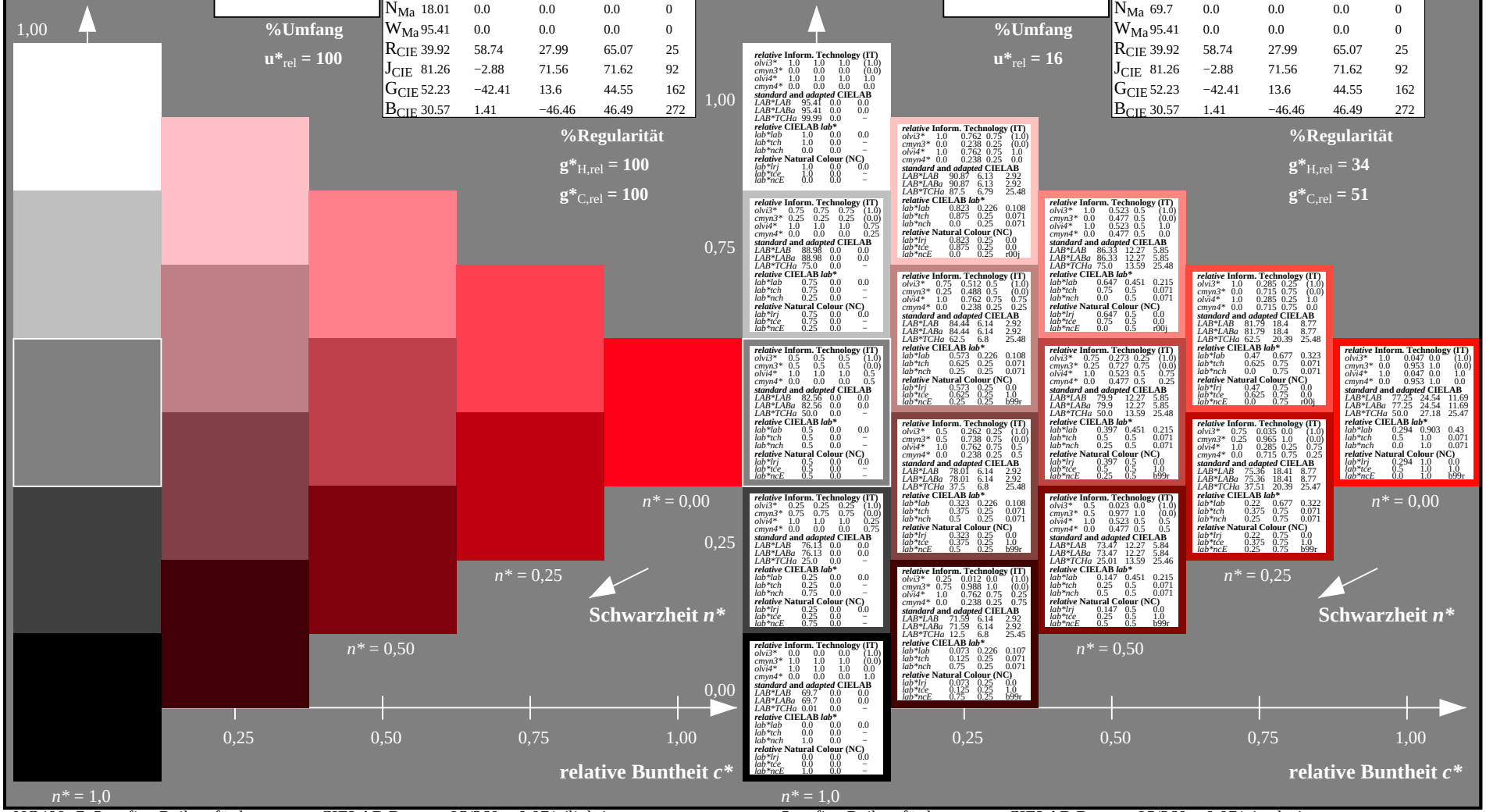


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



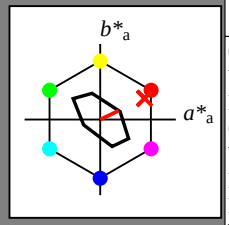
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang

u^*_{rel} = 16

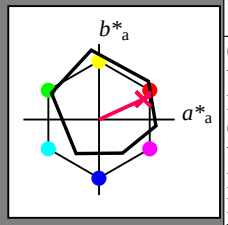
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

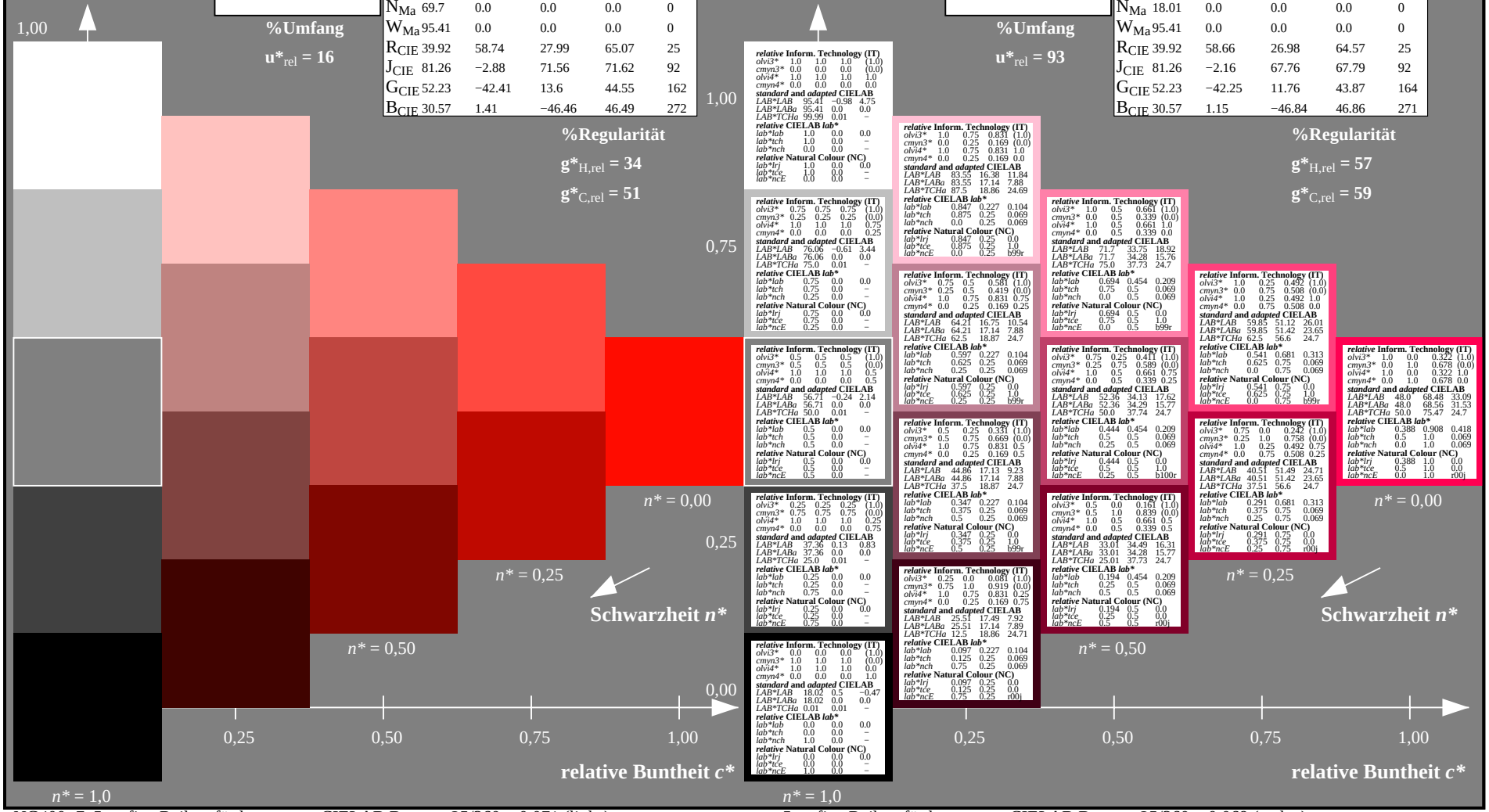


%Umfang

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



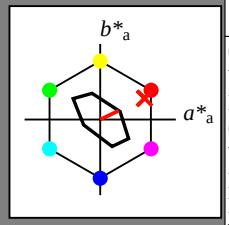
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

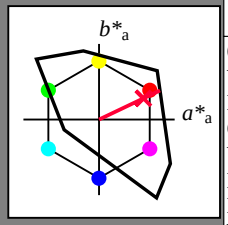
g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

Ausgabe: 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



%Umfang

u*$_{rel}$ = 158

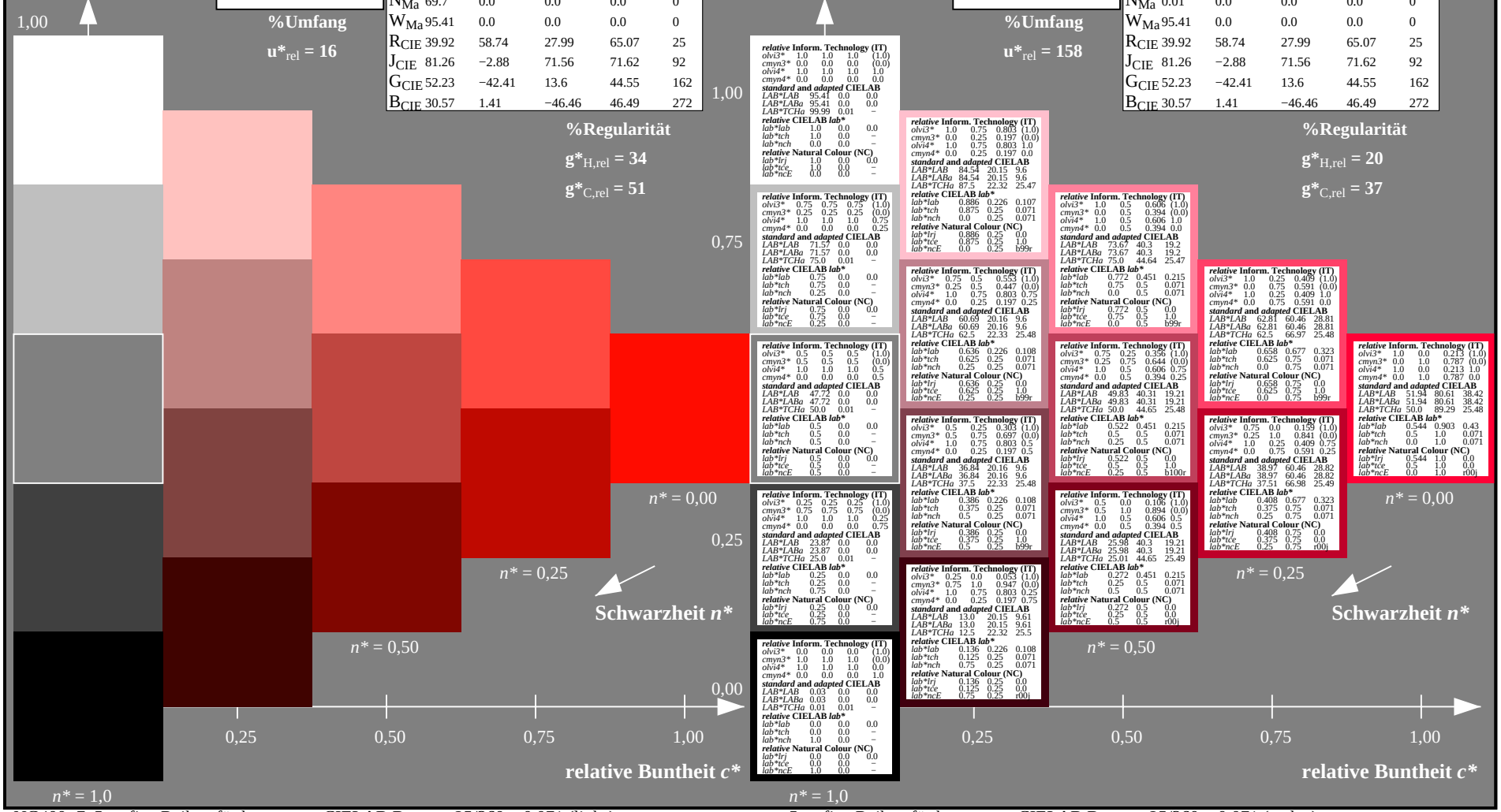
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



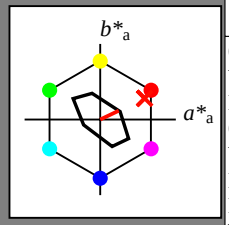
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

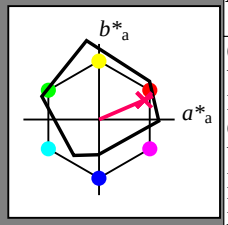
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 23/360 = 0.065***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 42 78 23
olv*Ma: 1.0 0.0 0.38

Dreiecks-Helligkeit

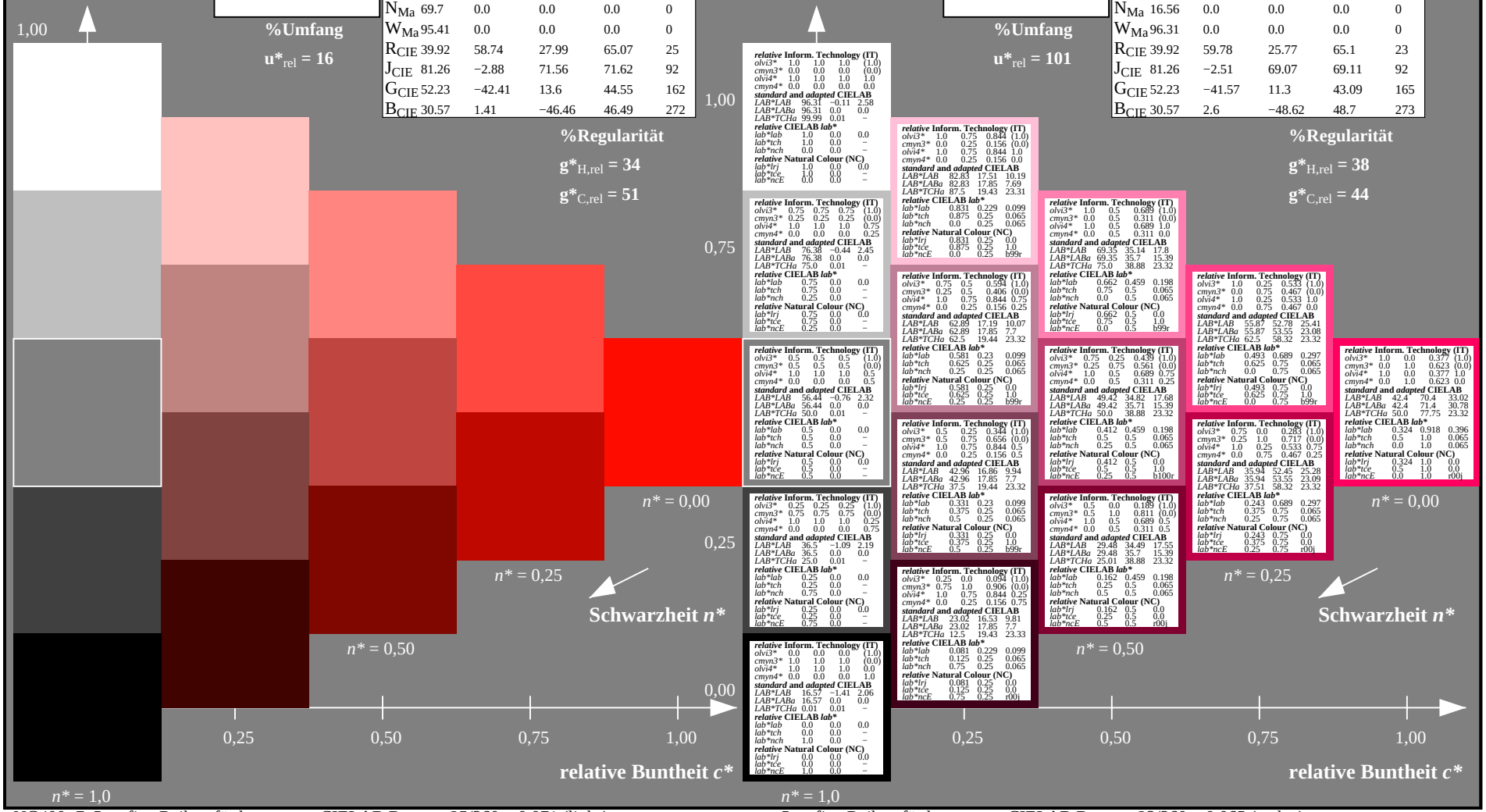


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



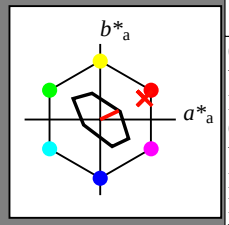
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 23/360 = 0.065 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

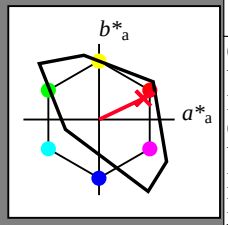
g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

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**

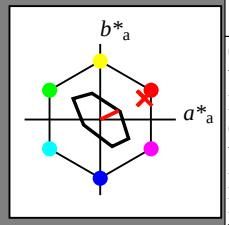
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

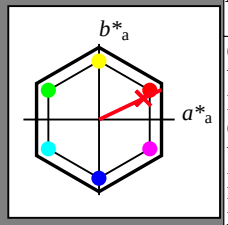
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 35 92 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

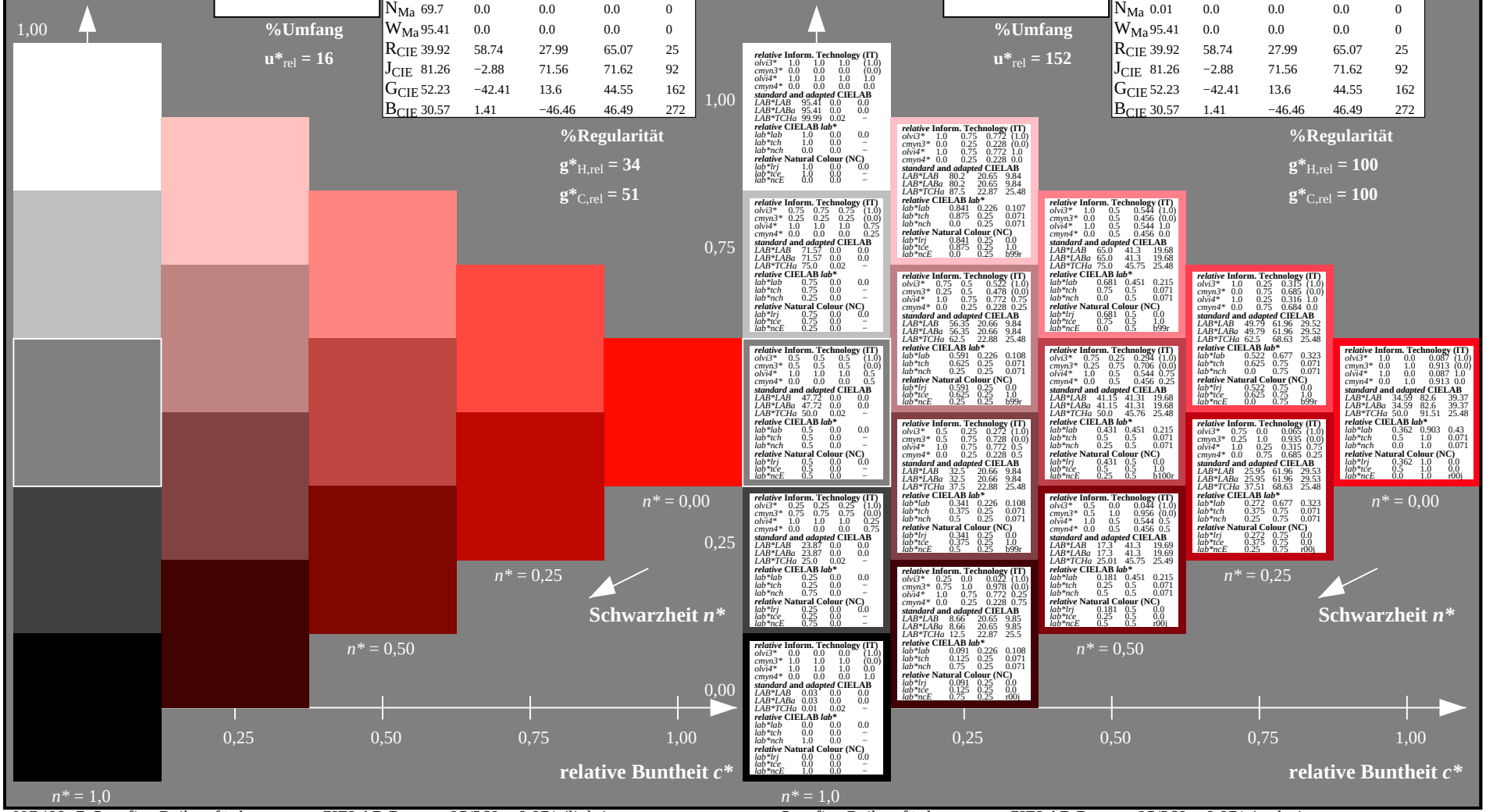


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



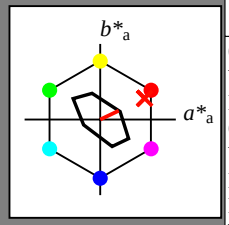
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

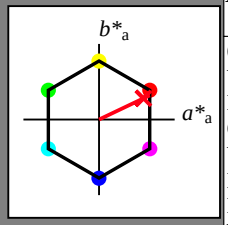
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 46 74 25
olv*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit

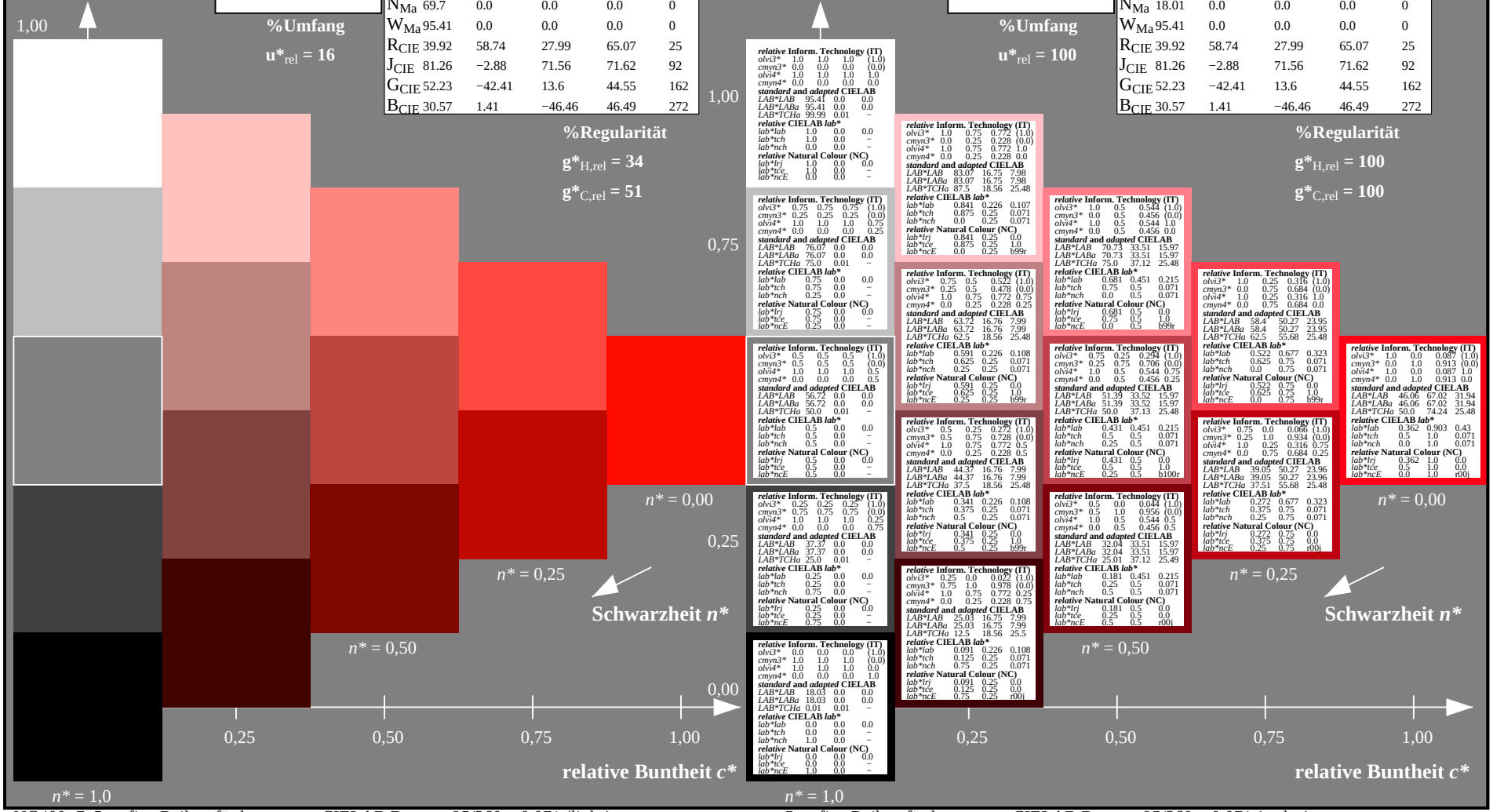


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



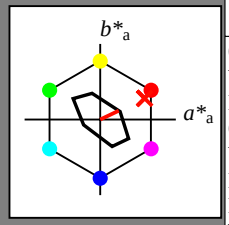
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

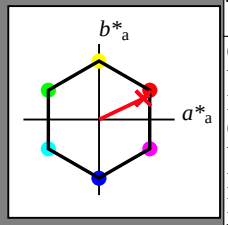
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

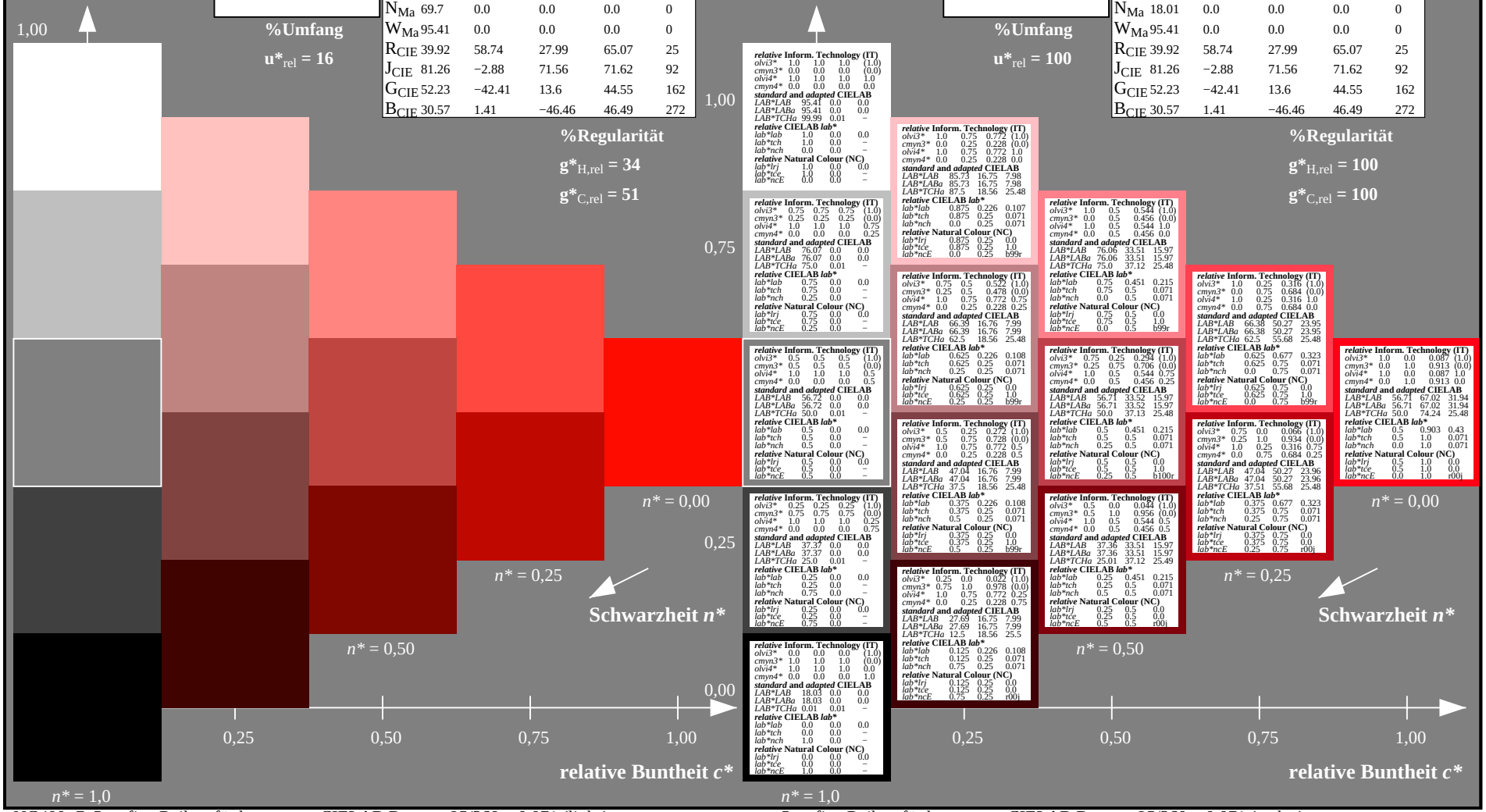
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



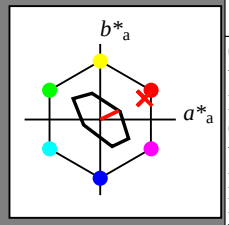
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

Schwarzheit *n**

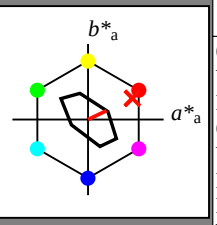
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 25/360 = 0.071***
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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**

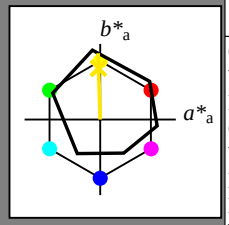
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

Eingabe: 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



%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

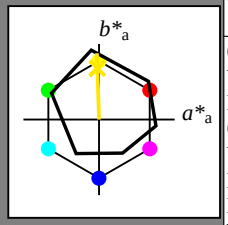
g*$_{C,rel}$ = 59

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 = 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



%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

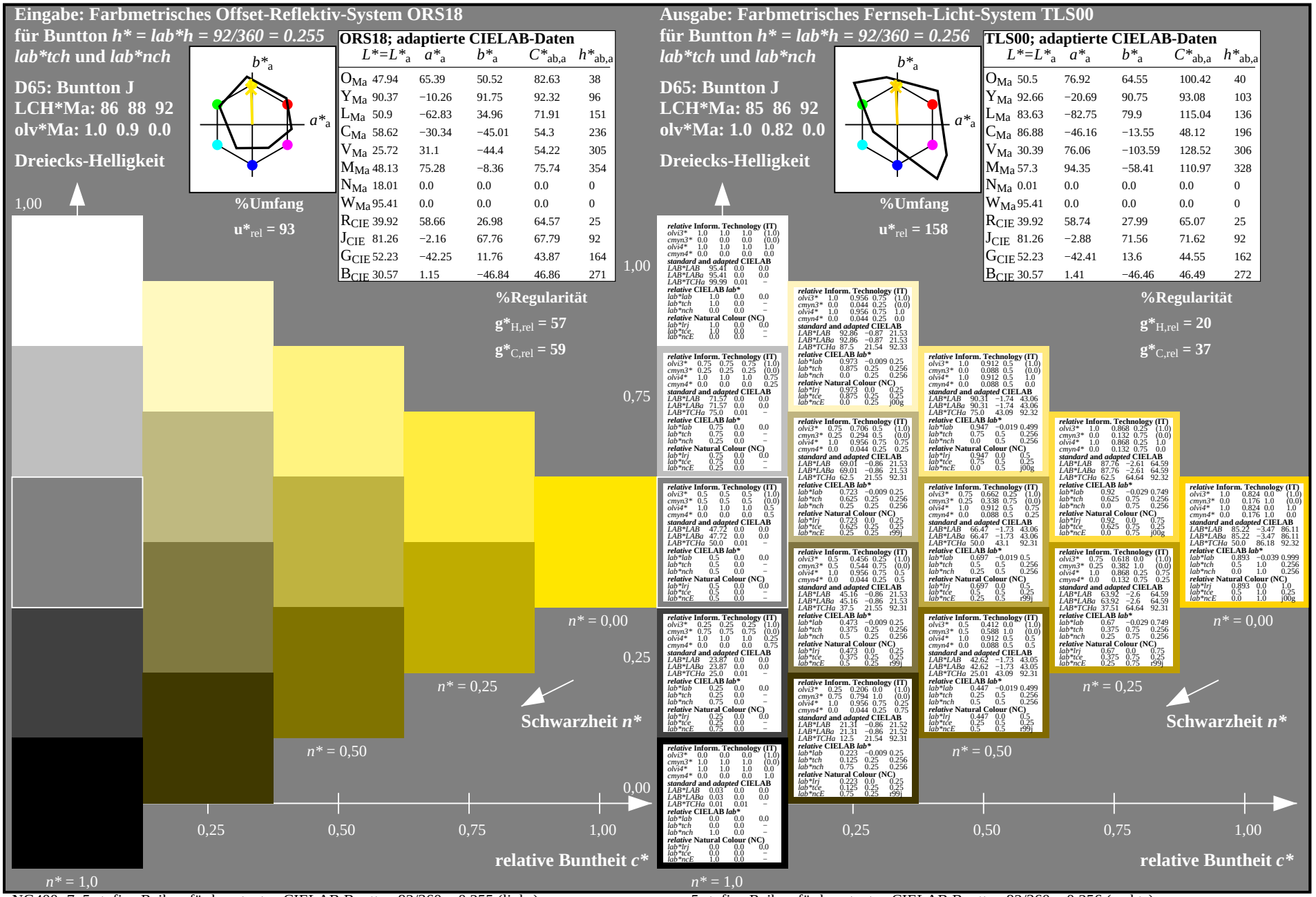
g*$_{H,rel}$ = 57

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

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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



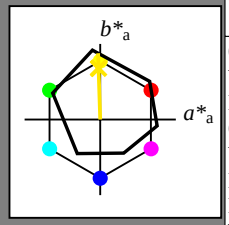
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

Eingabe: 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



%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

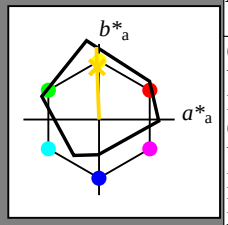
g*$_{H,rel}$ = 57

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

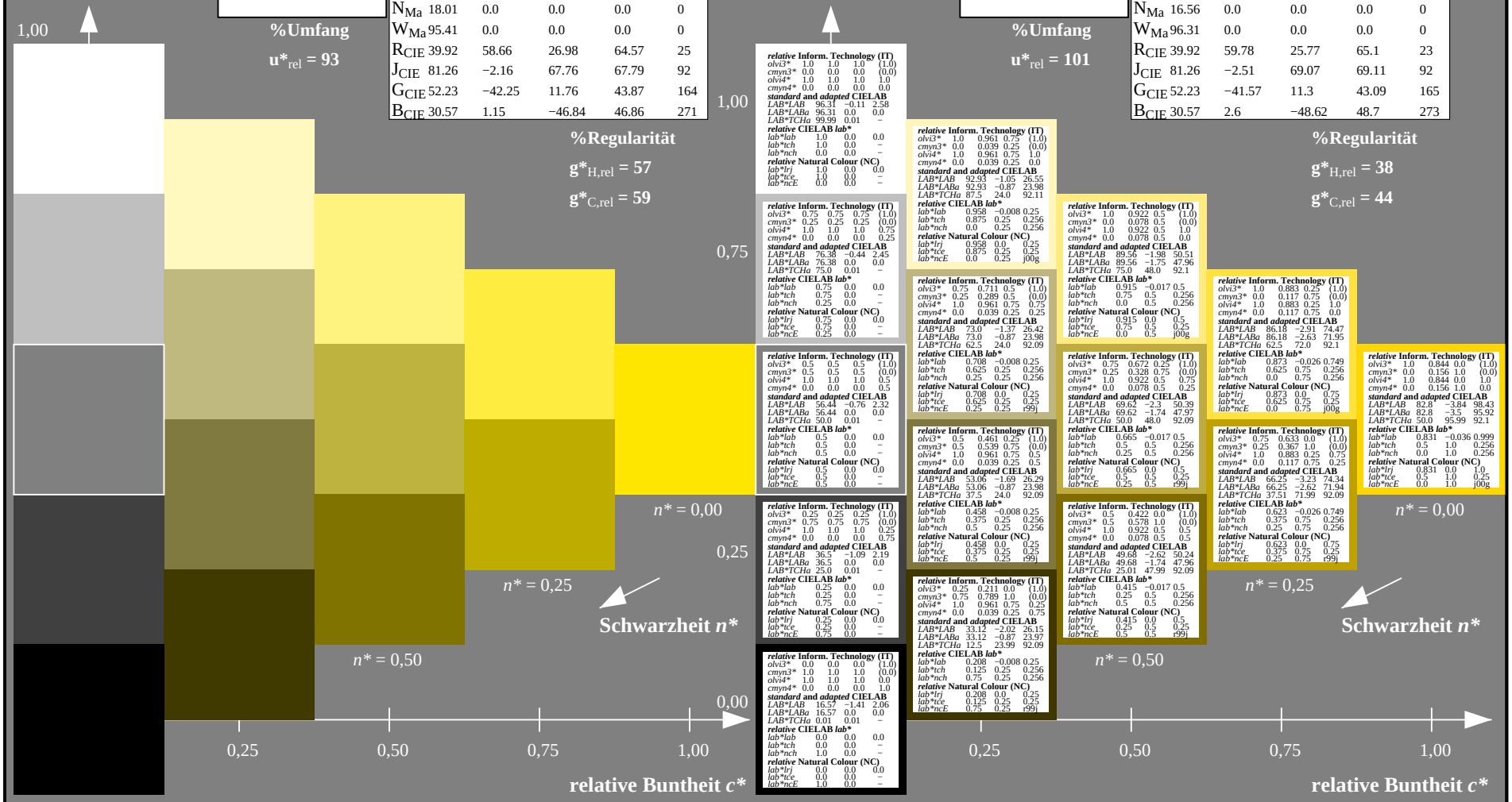
DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44



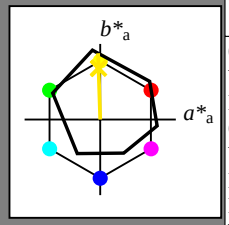
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

Eingabe: 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



%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

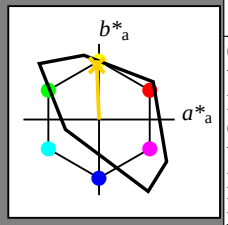
g*$_{H,rel}$ = 57

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

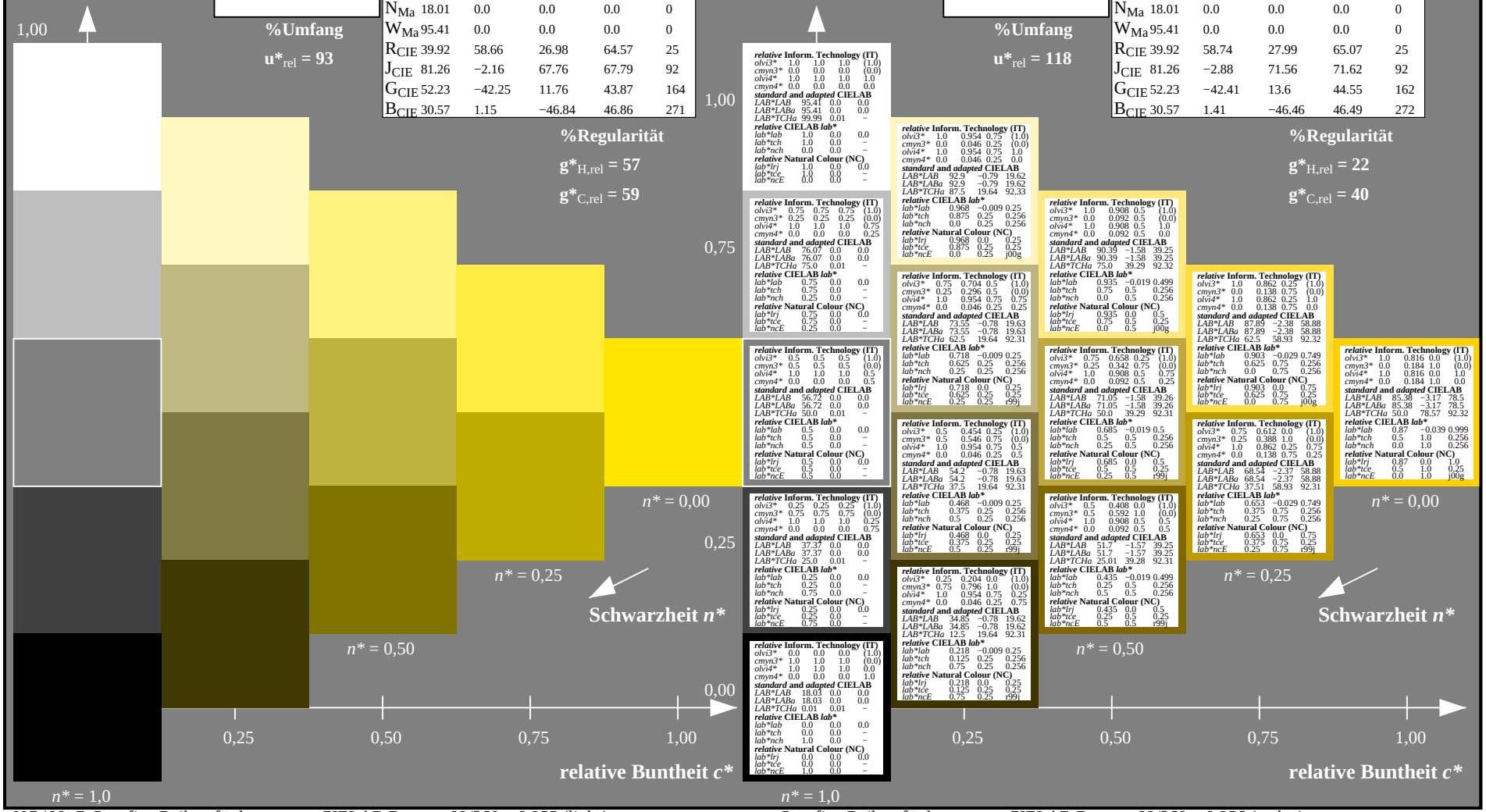
TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40



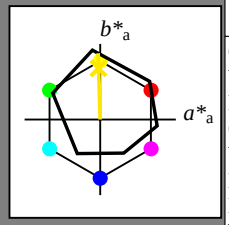
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

Eingabe: 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



%Umfang

u*$_{rel}$ = 93

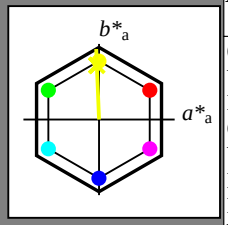
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

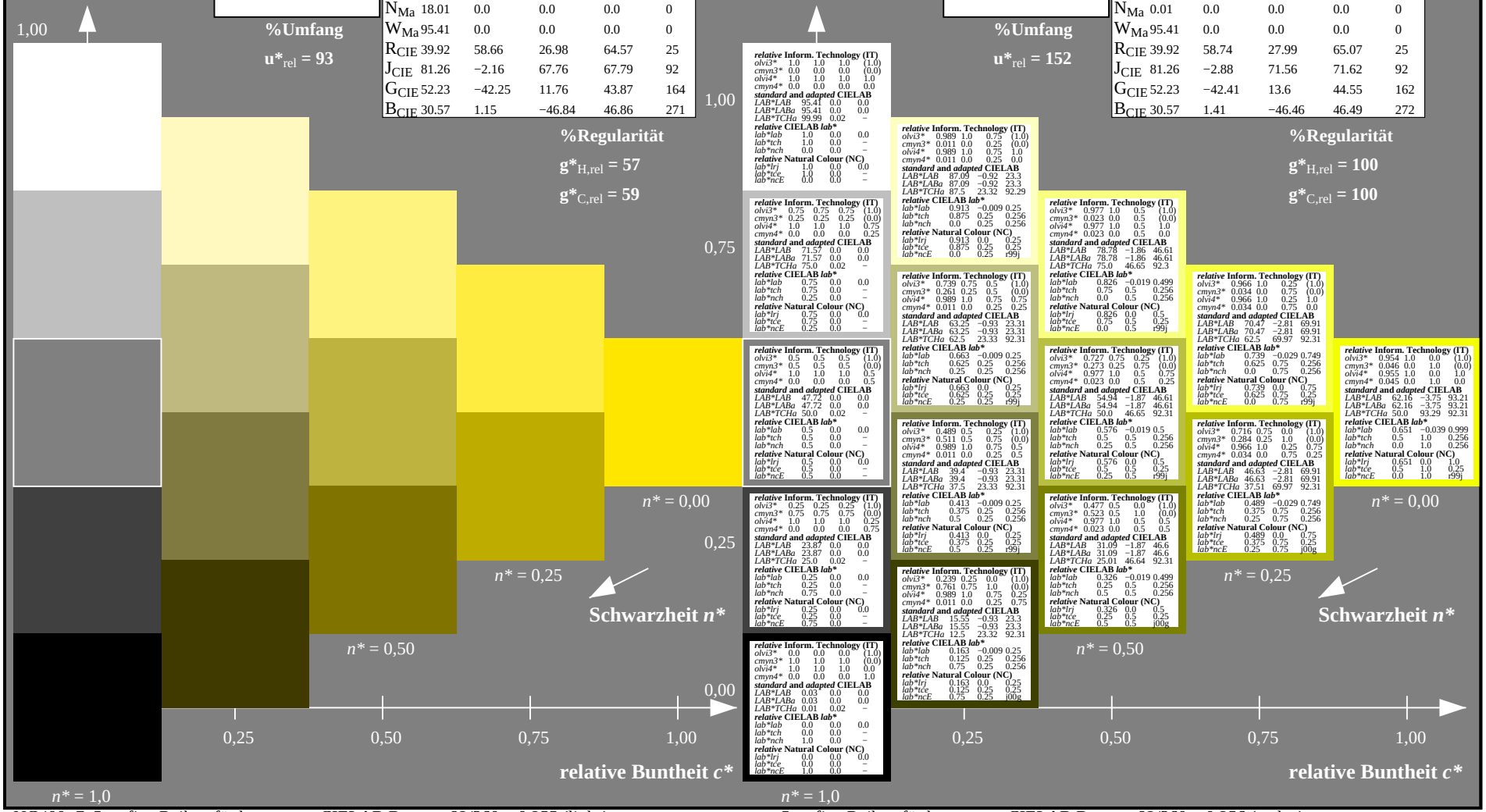


%Umfang

u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



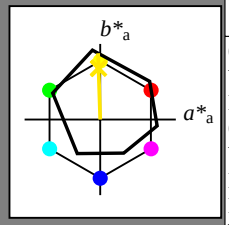
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

Eingabe: 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



%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

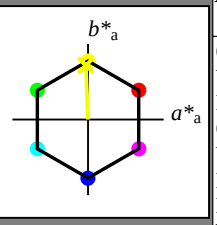
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

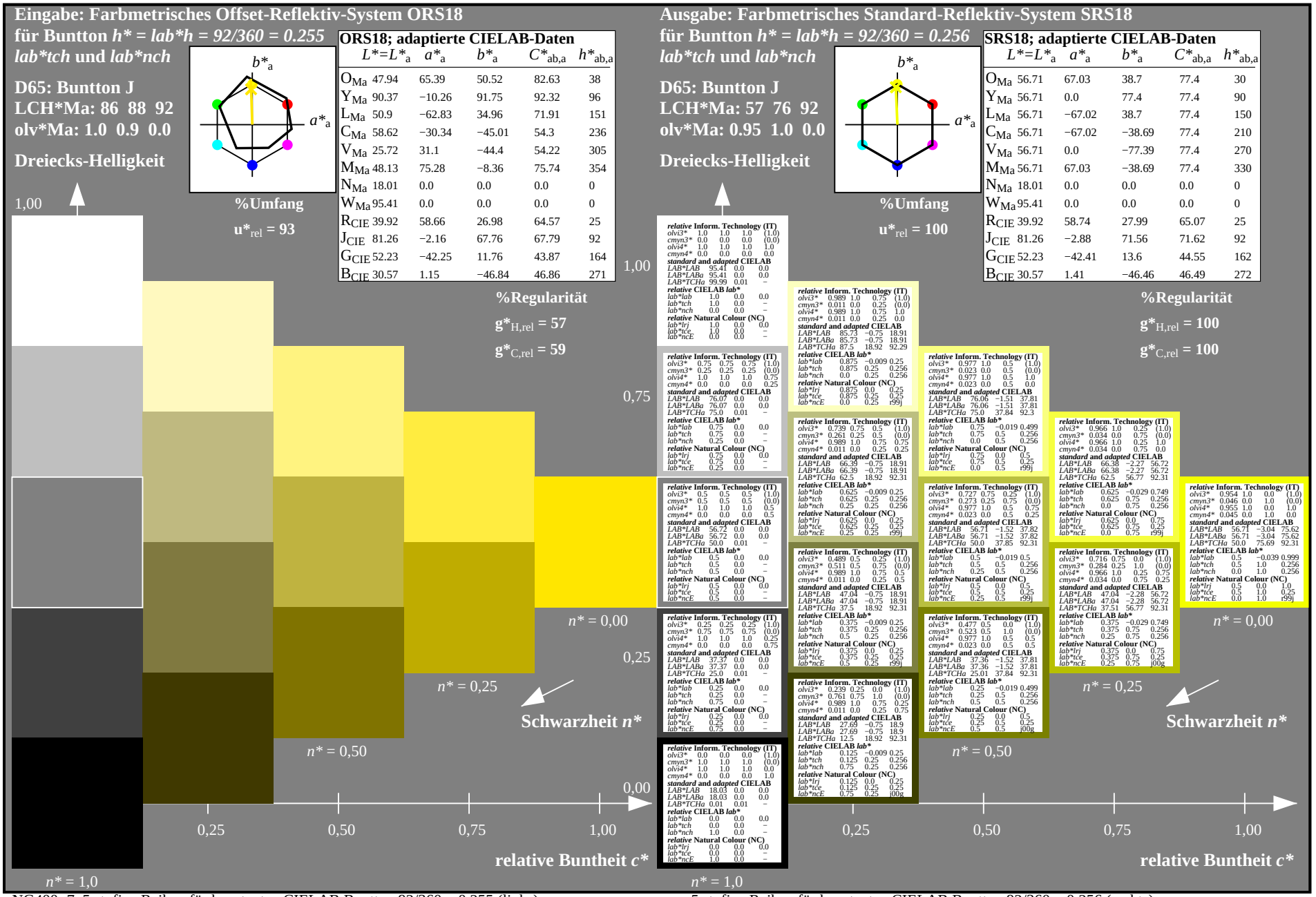
g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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



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

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

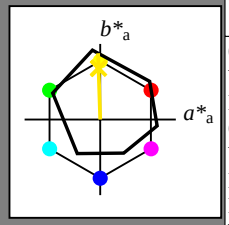
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

Eingabe: 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



%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

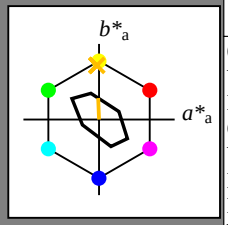
g*$_{C,rel}$ = 59

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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

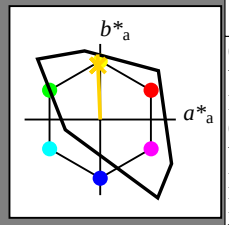
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

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



%Umfang
u*rel = 158

TLS00; adaptierte CIELAB-Daten

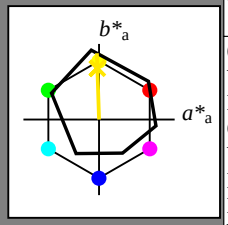
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	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

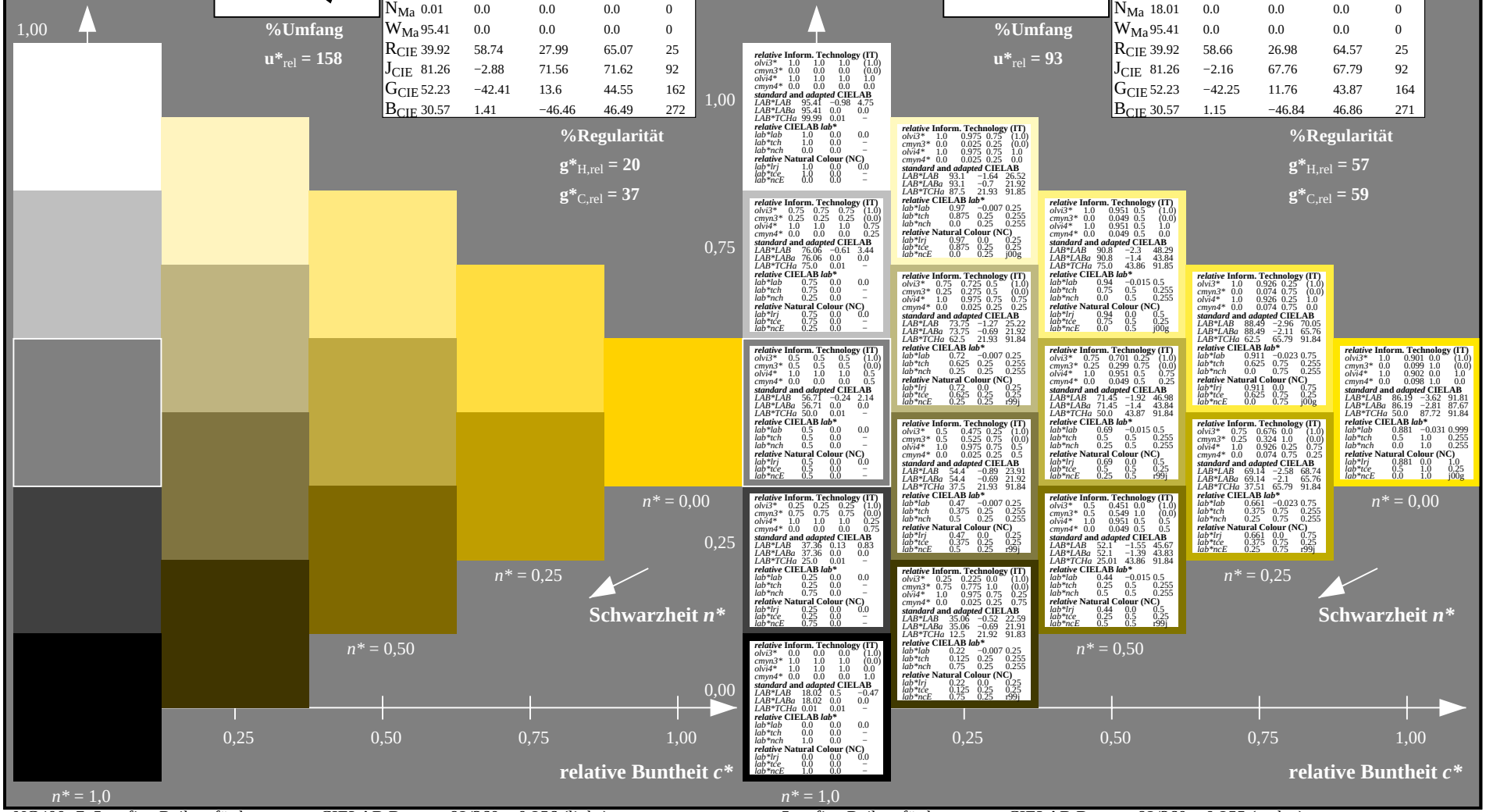


%Umfang
u*rel = 93

ORS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	10.52	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



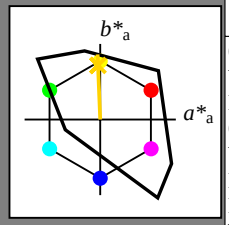
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

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



%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

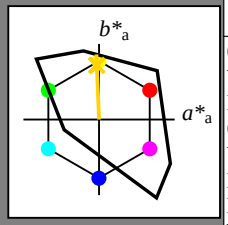
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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

Ausgabe: 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



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

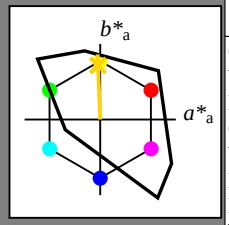
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

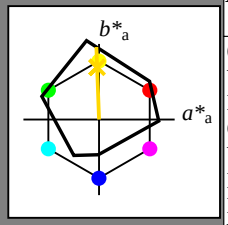
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit

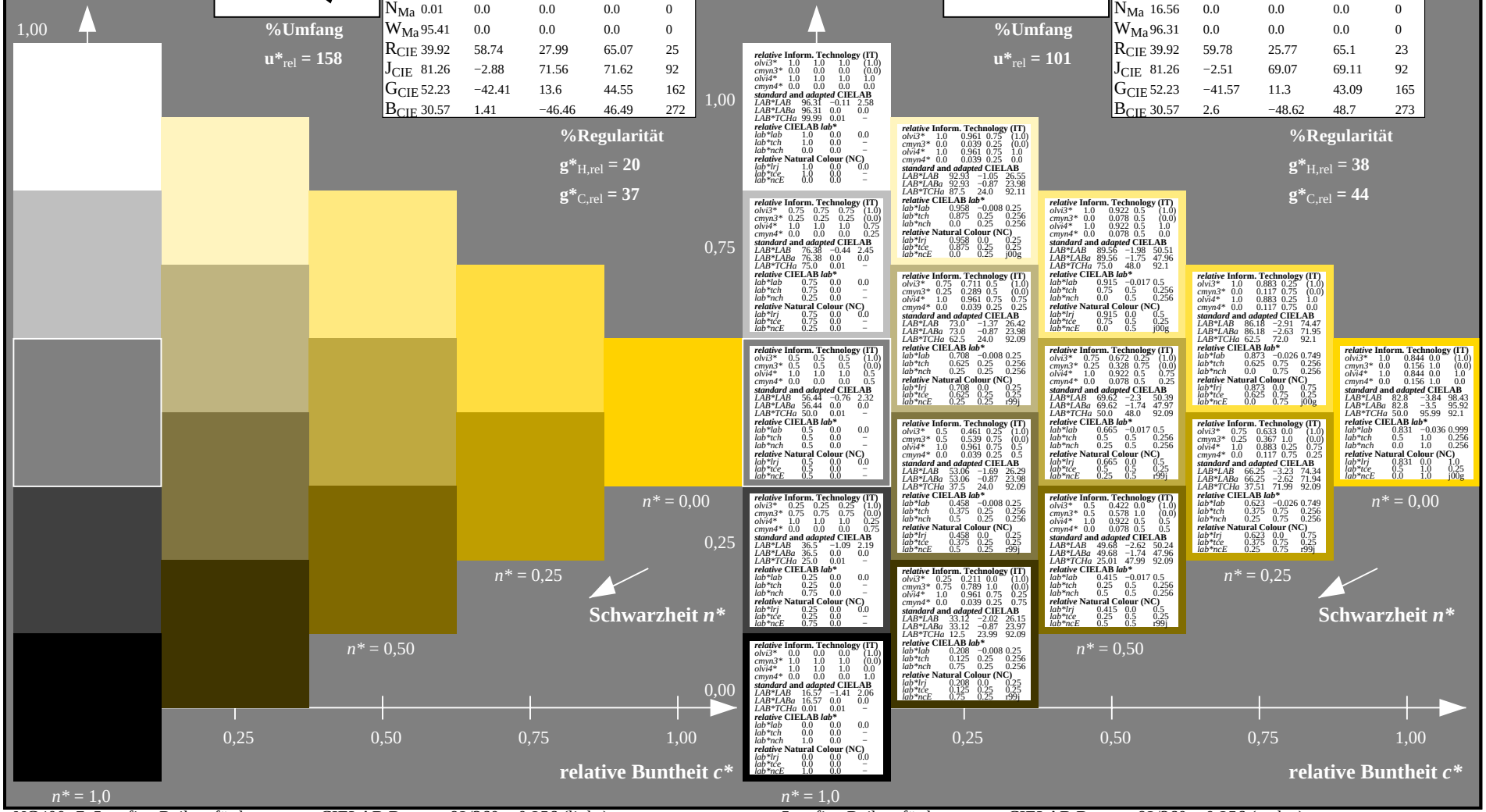


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



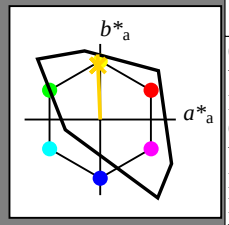
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

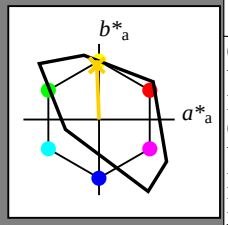
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

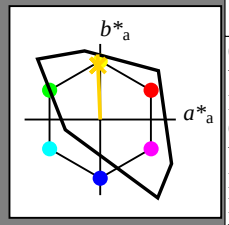
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

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



%Umfang
u^*_{rel} = 158

TLS00; adaptierte CIELAB-Daten

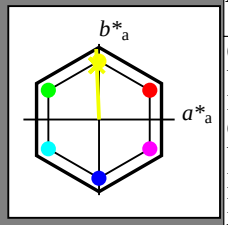
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

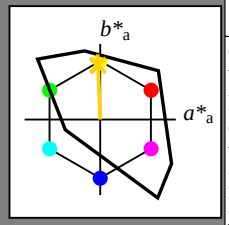
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

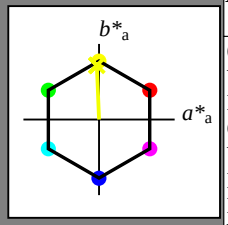
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

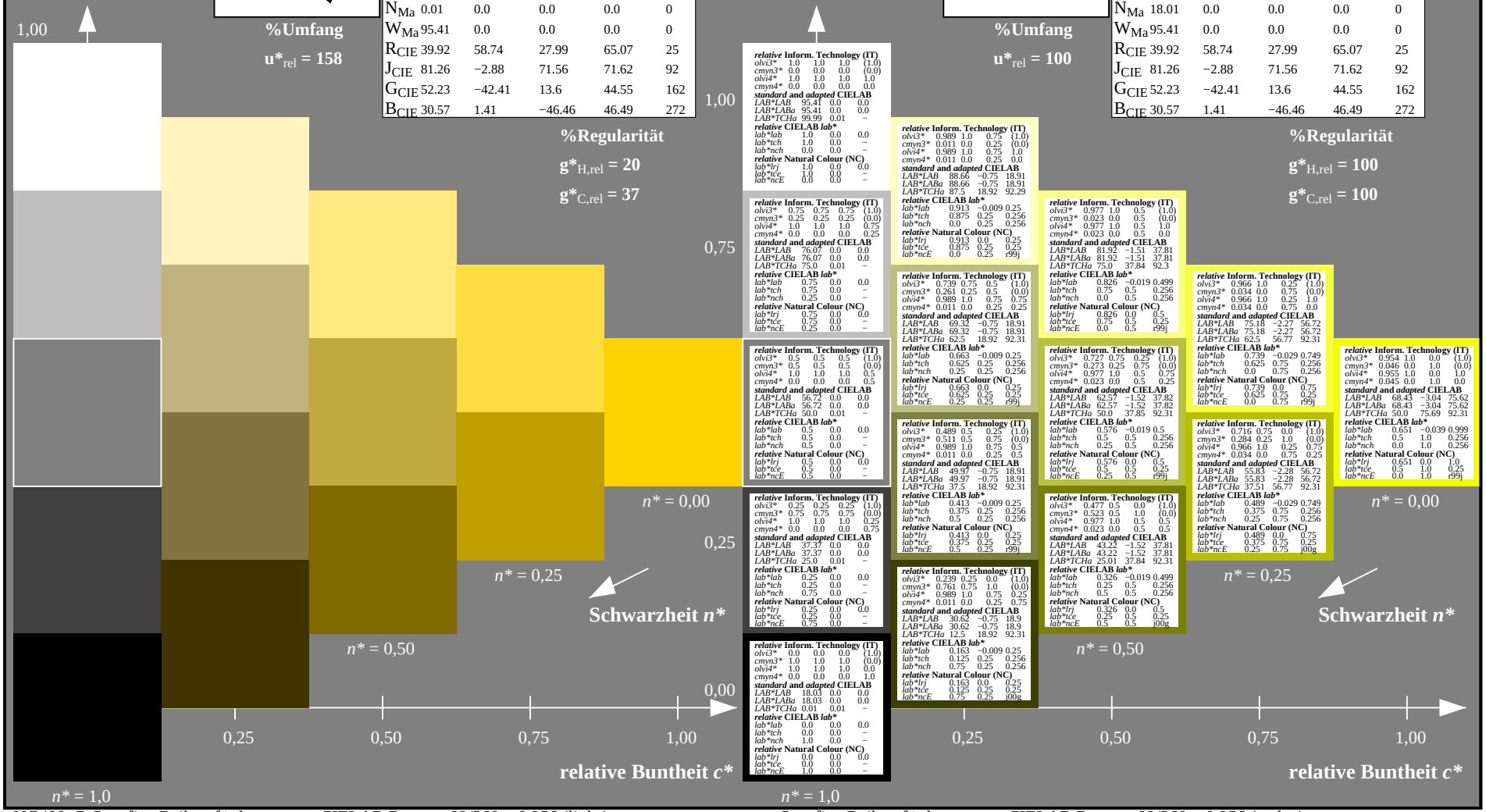


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



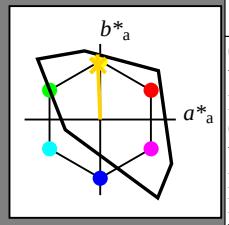
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

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



%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**

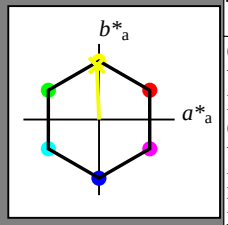
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

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**

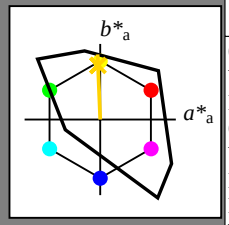
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

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



%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

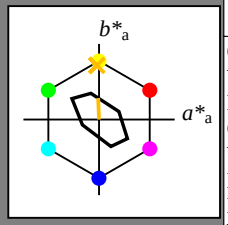
g*$_{H,rel}$ = 20

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

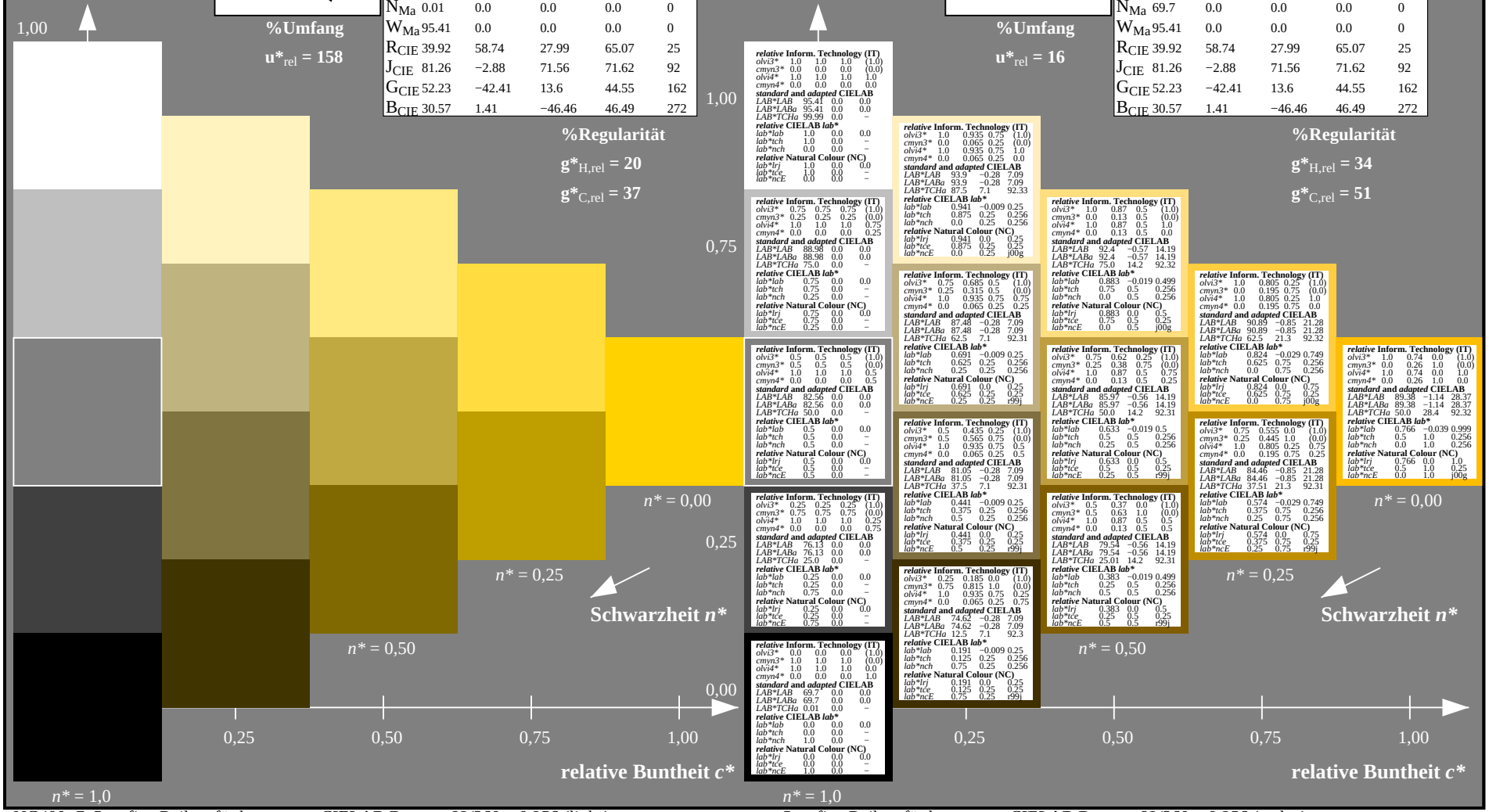
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51



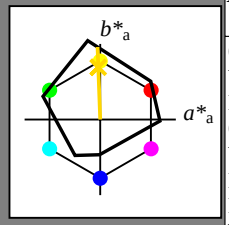
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 92/360 = 0.256*
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

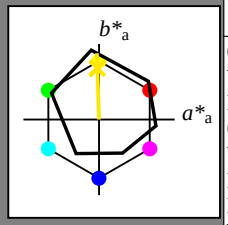
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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



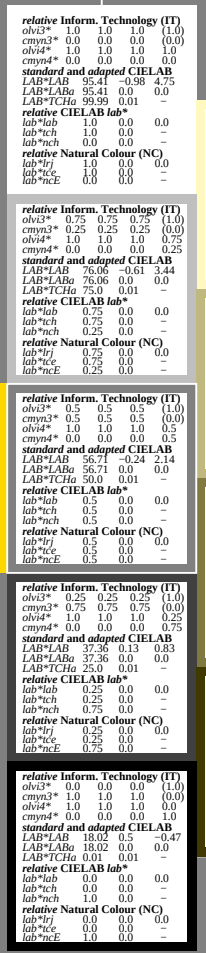
%Umfang
u*rel = 93

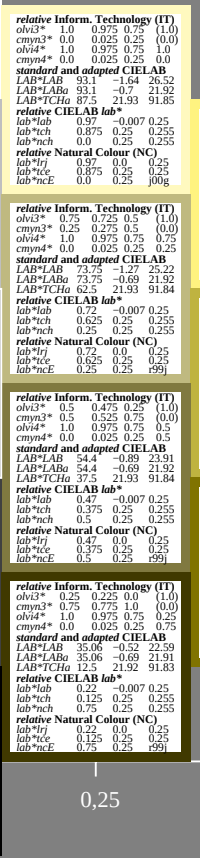
ORS18; adaptierte CIELAB-Daten

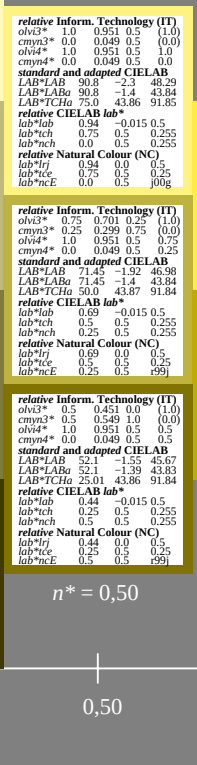
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

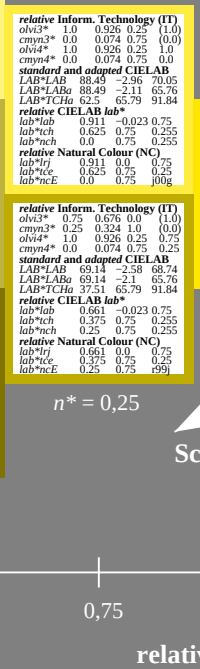
%Regularität
g*H,rel = 57
g*C,rel = 59

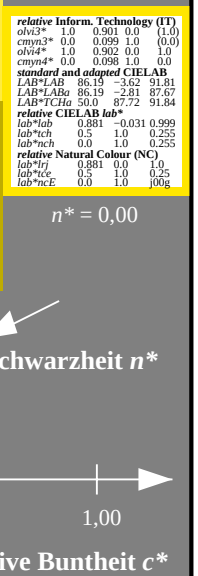
1,00
0,75
0,25
0,00
n = 0,00*
n = 0,25*
n = 0,50*
n = 1,0*
Schwarzheit *n**
0,25 0,50 0,75 1,00
relative Buntheit *c**











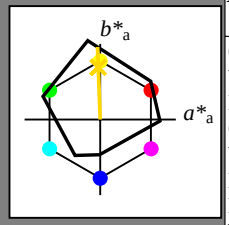
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

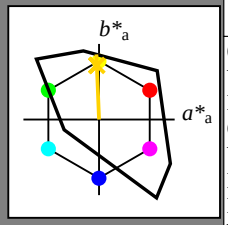
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: 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

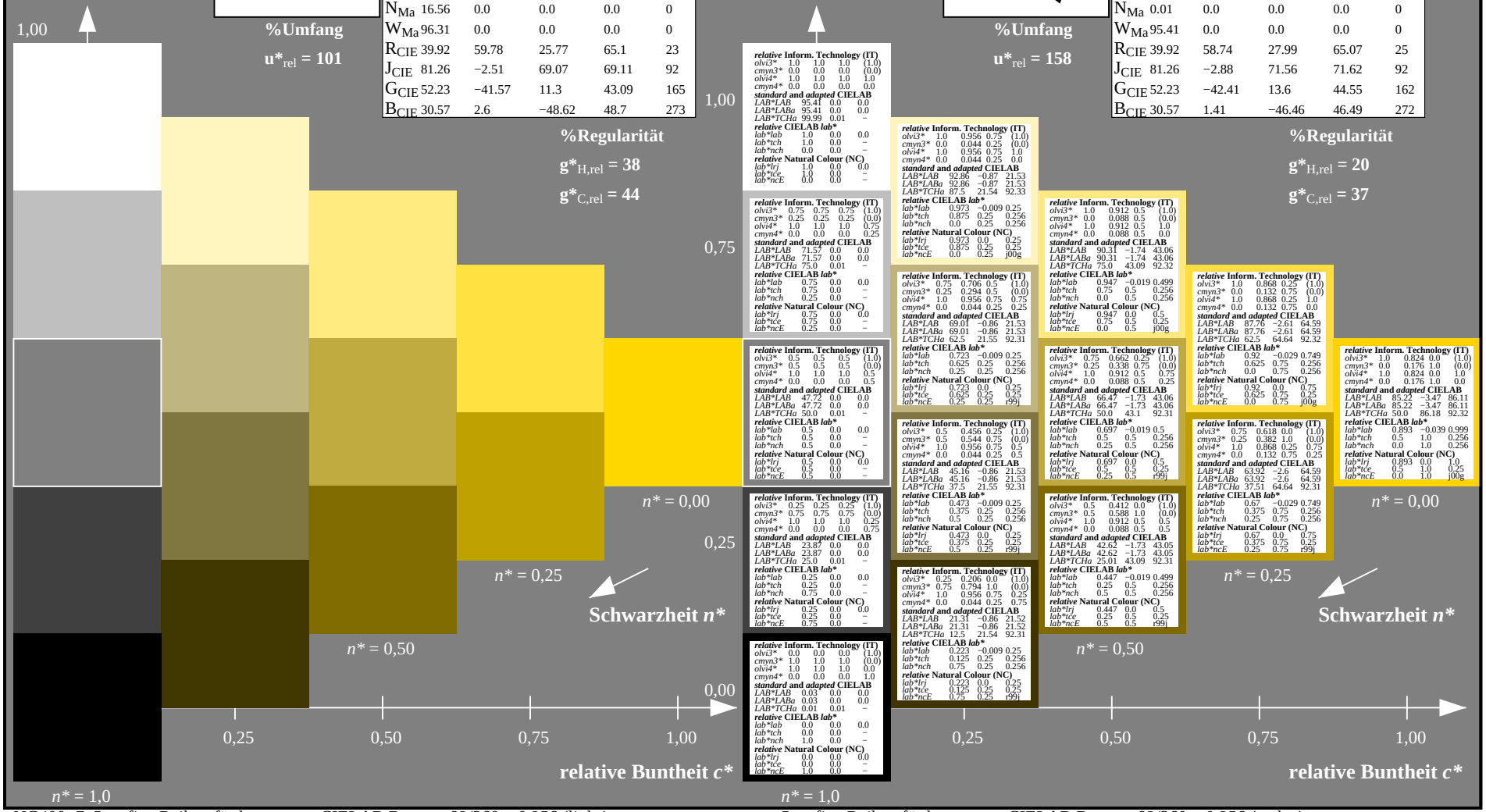


%Umfang
u*rel = 158

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



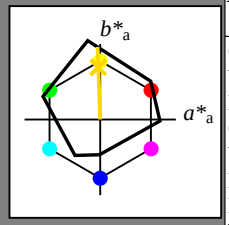
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

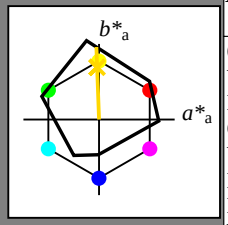
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit

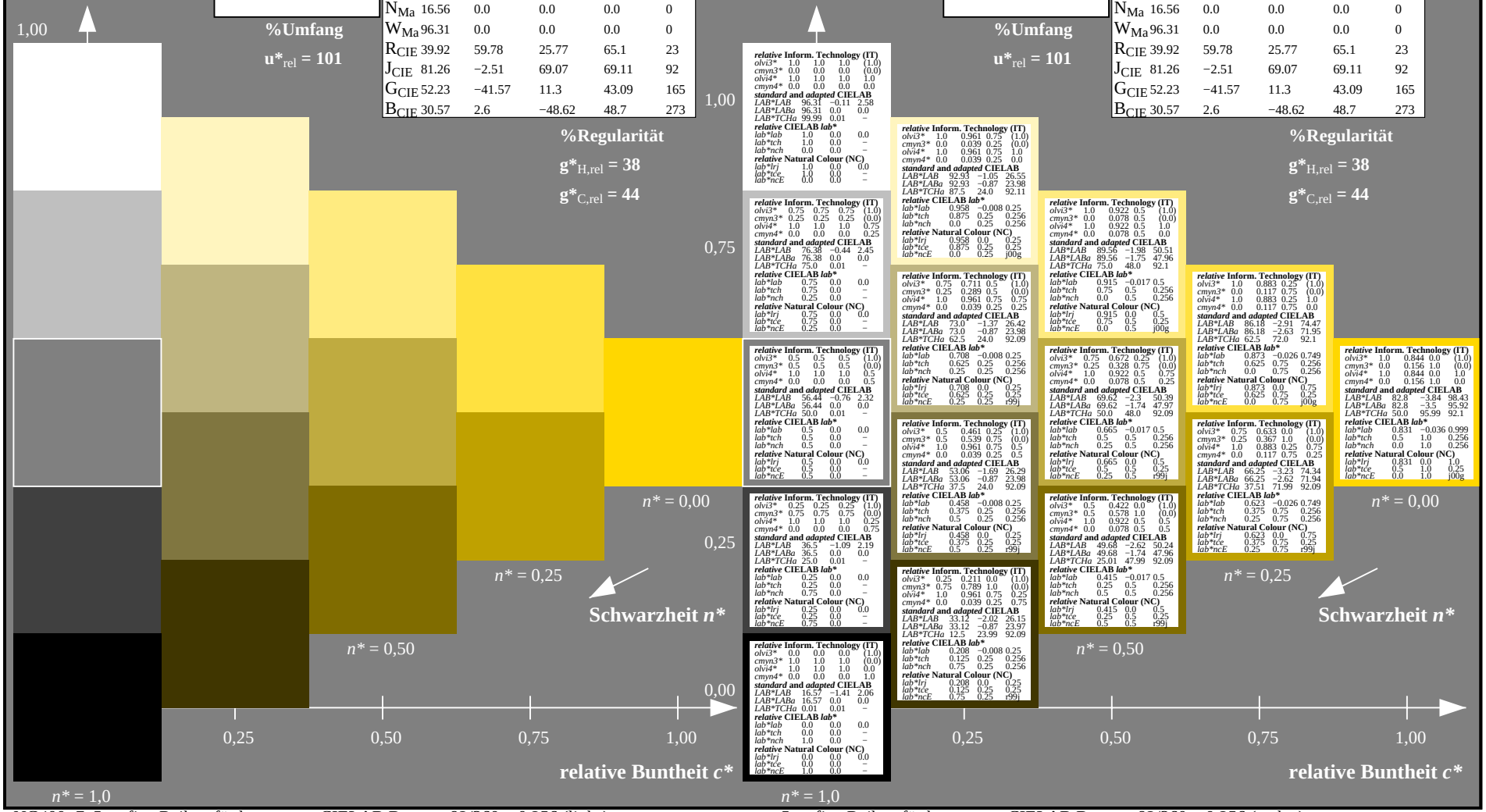


%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44



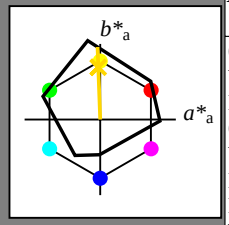
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

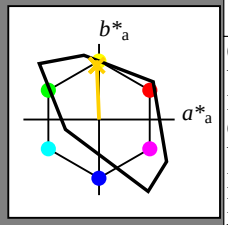
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit

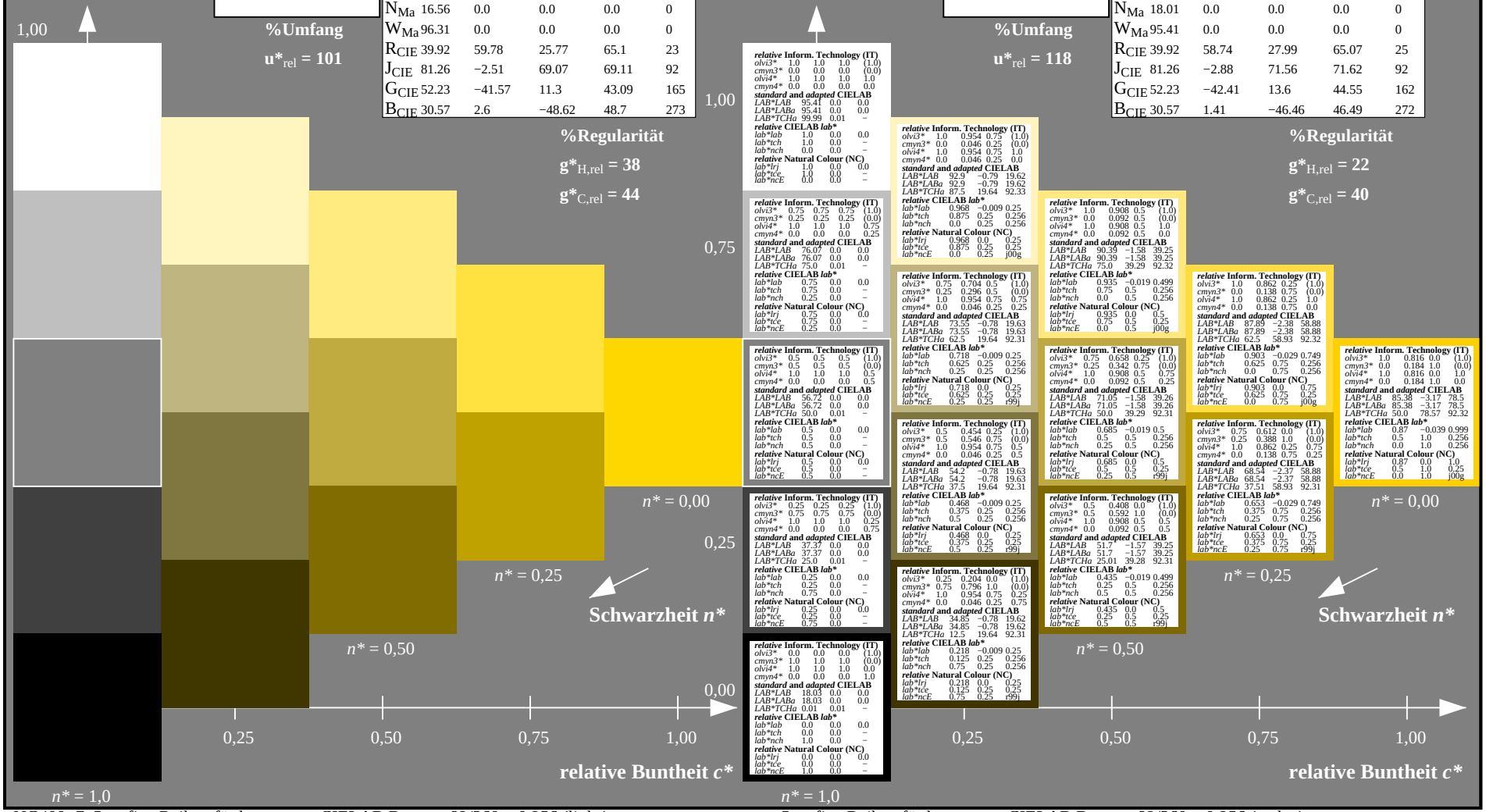


%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40



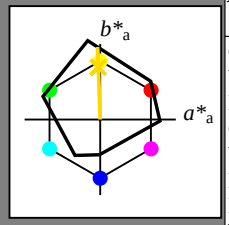
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

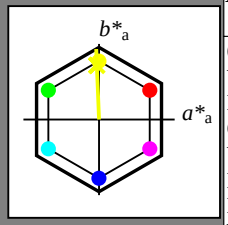
g*H,rel = 38

g*C,rel = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 152

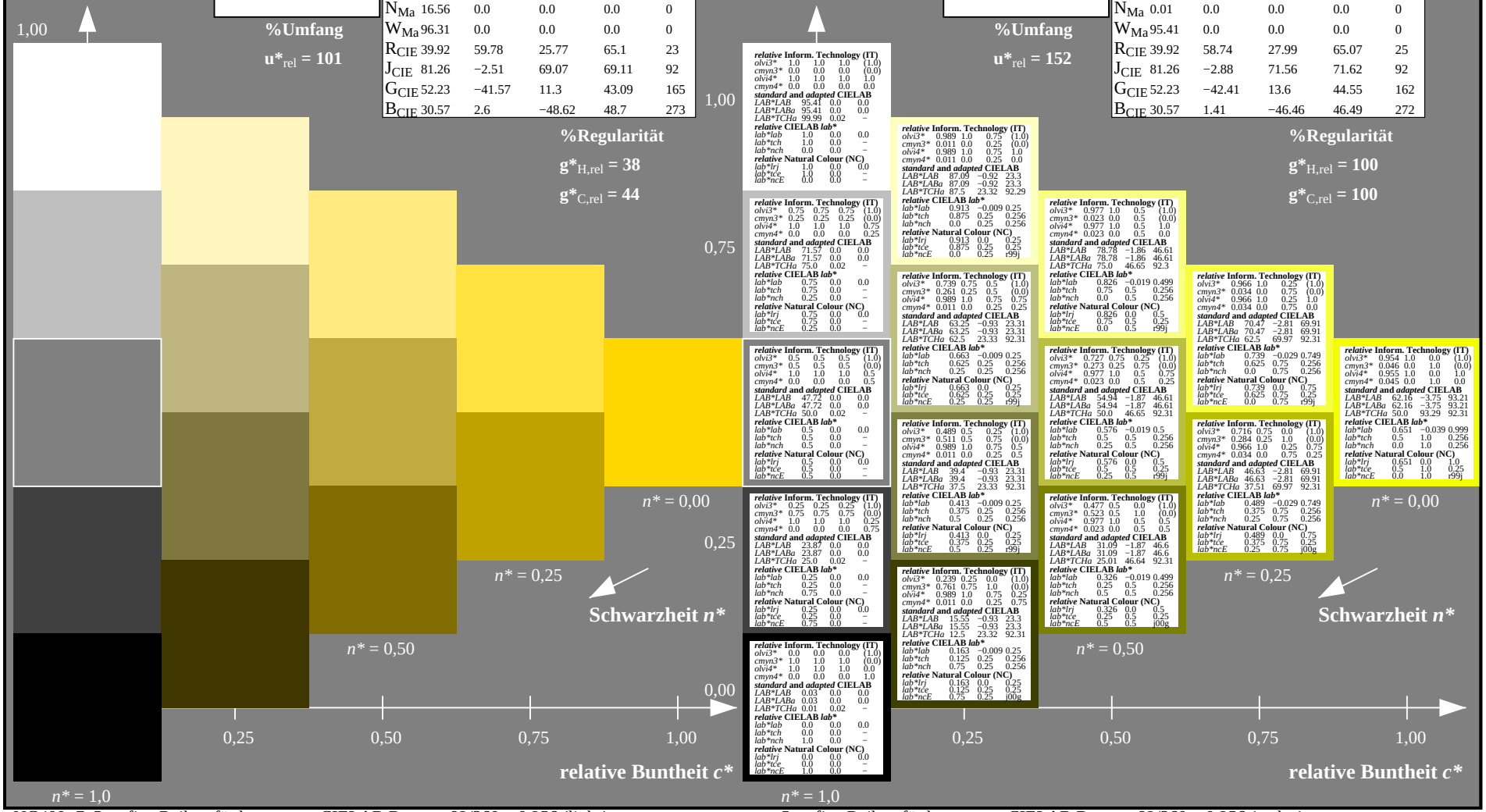
NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100



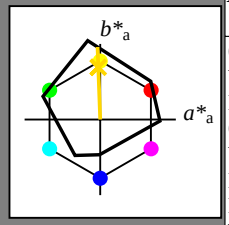
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

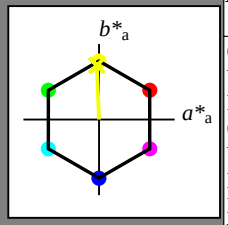
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

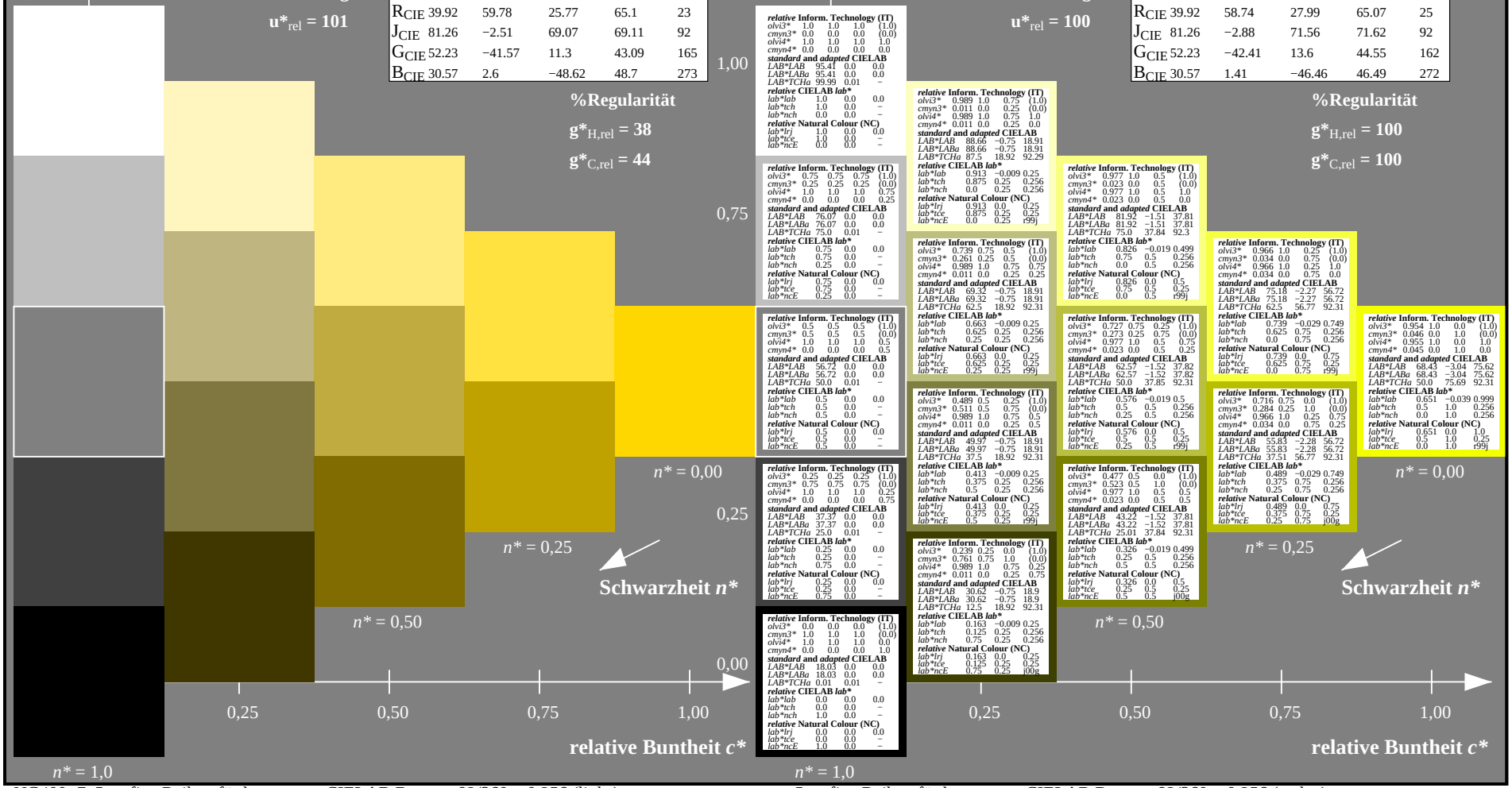


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



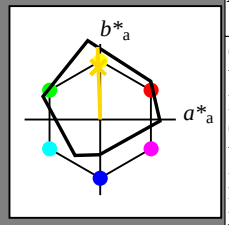
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

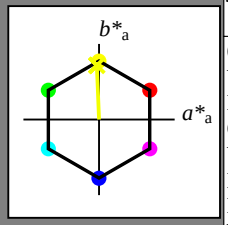
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

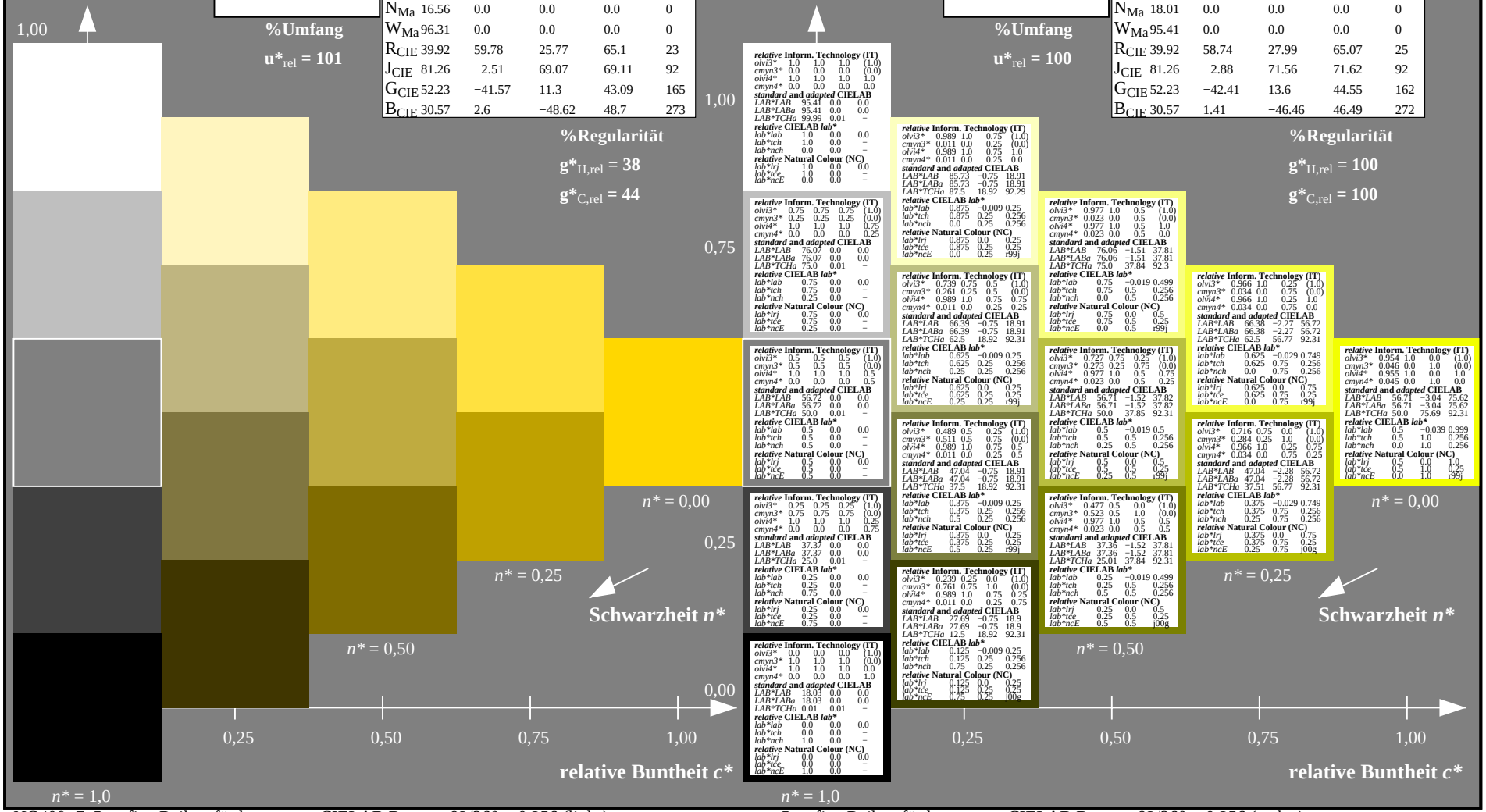


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



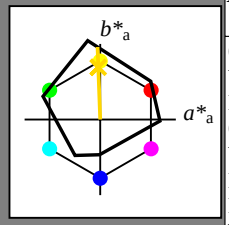
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

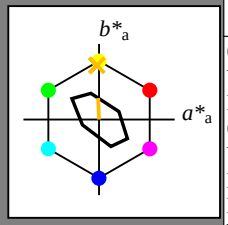
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit

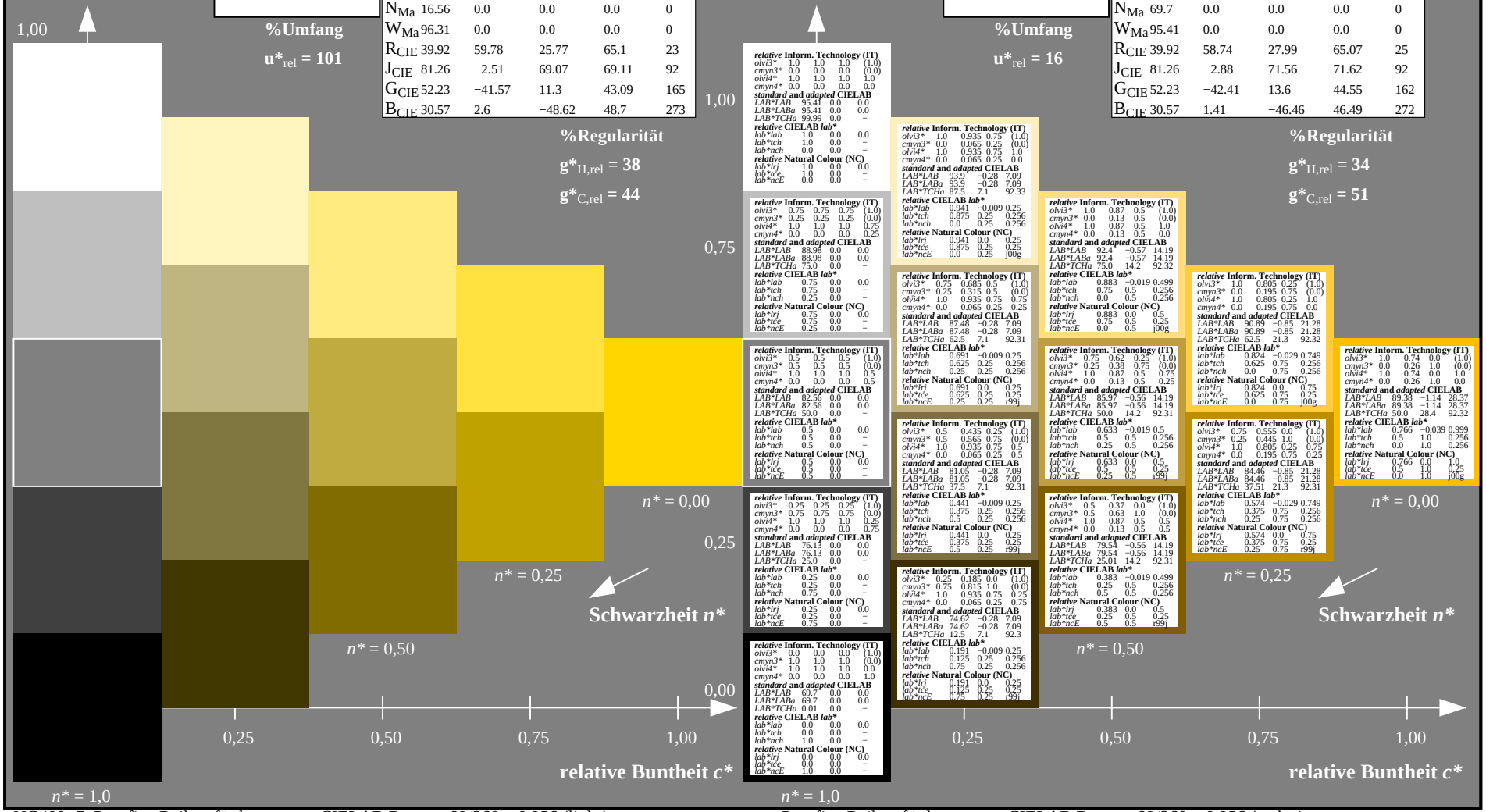


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



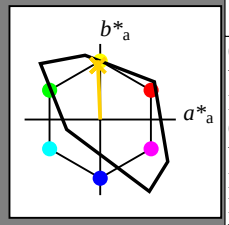
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

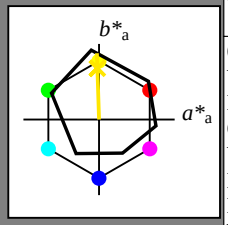
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

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

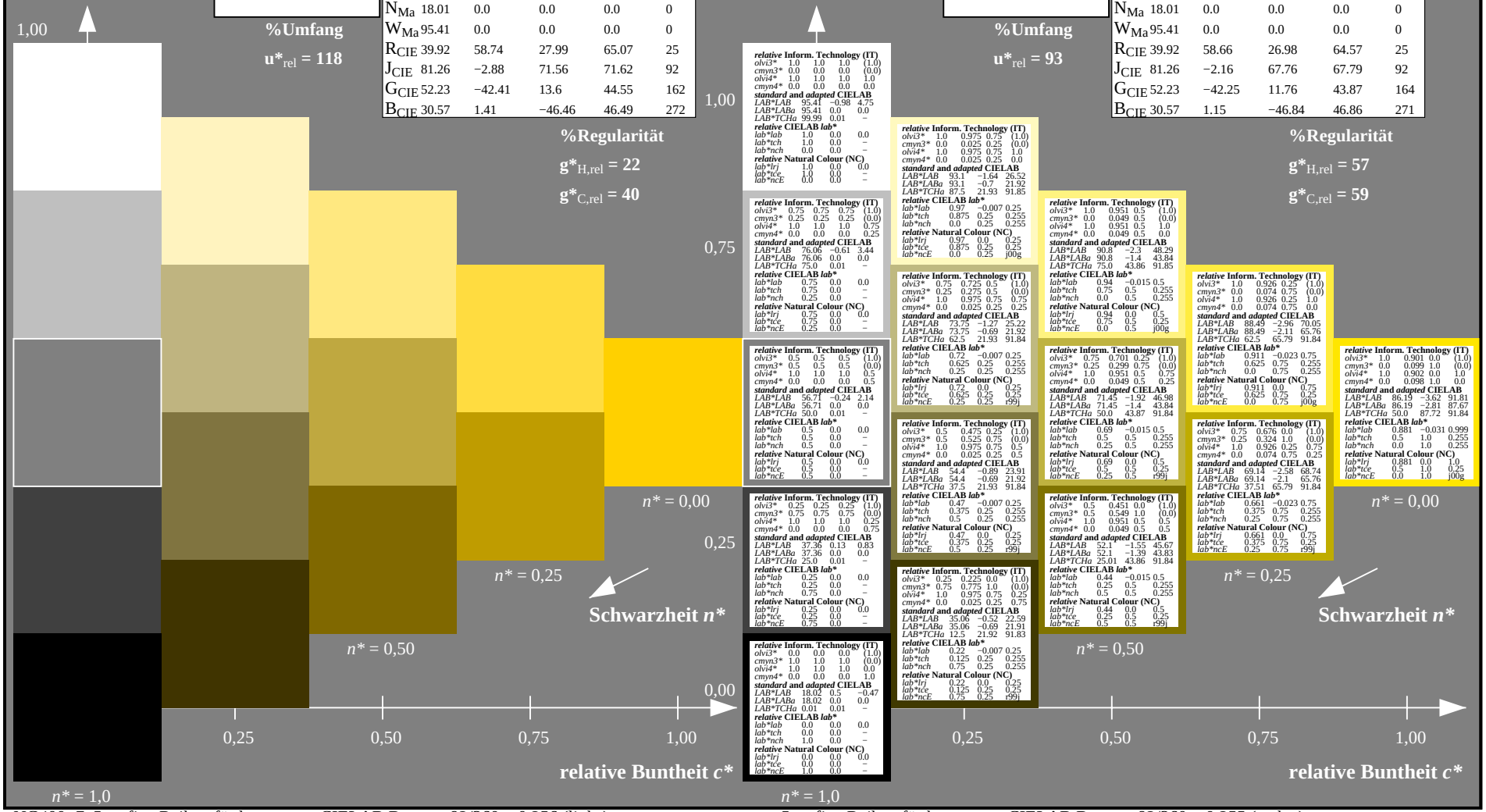


%Umfang
u*rel = 93

ORS18; adaptierte CIELAB-Daten

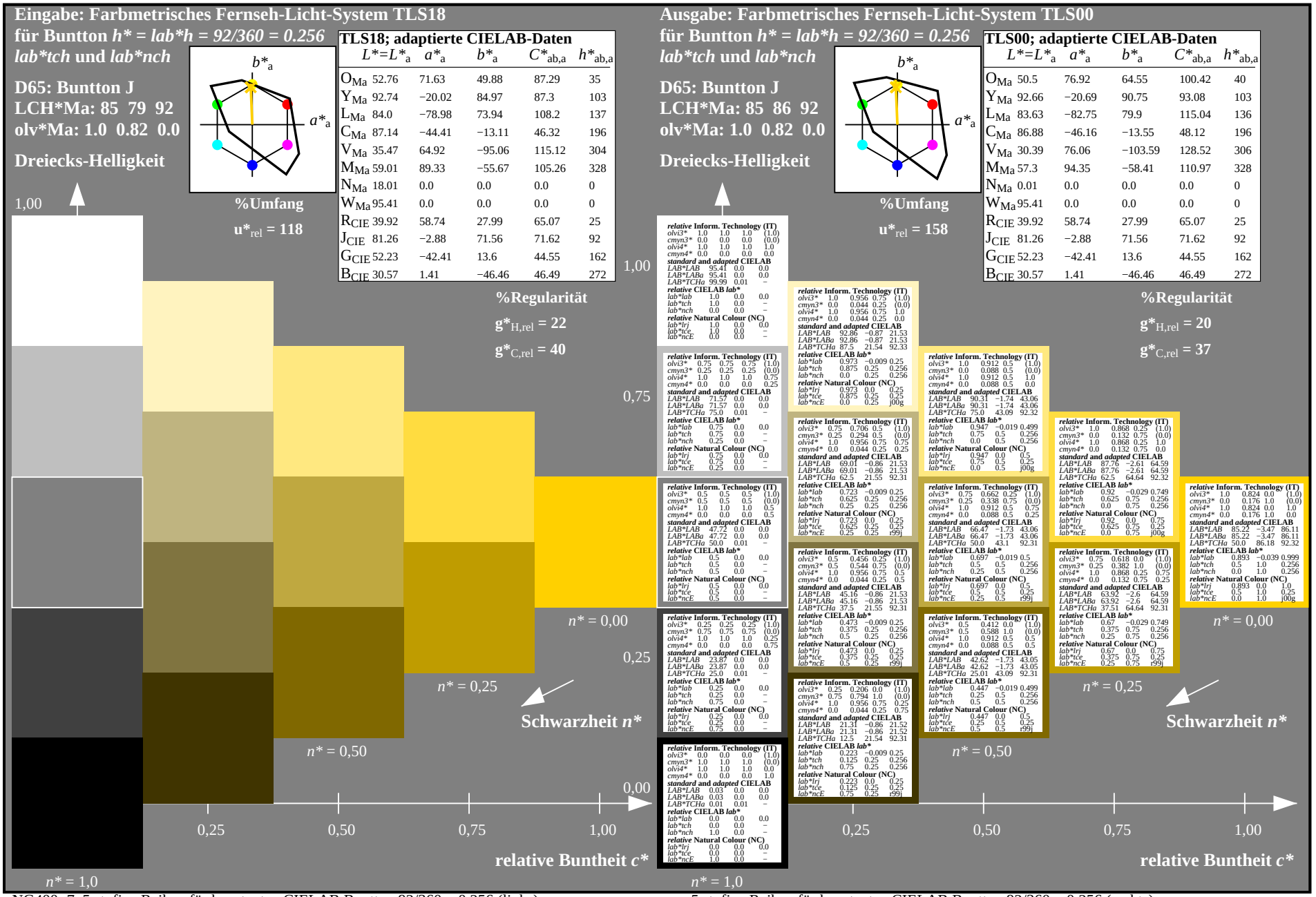
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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



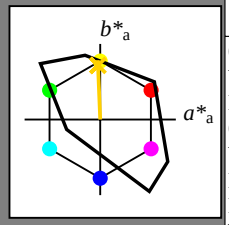
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

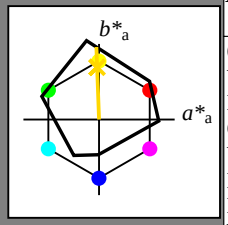
%Regularität
g*H,rel = 22
g*C,rel = 40

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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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**

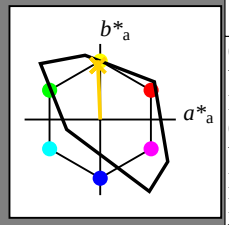
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

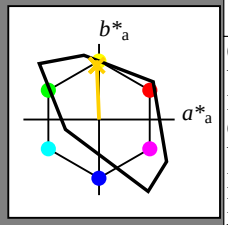
%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

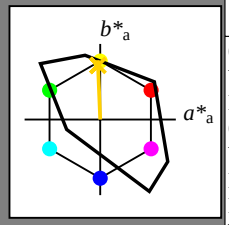
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

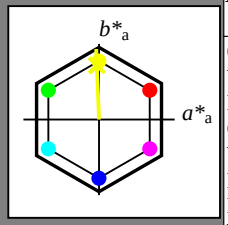
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

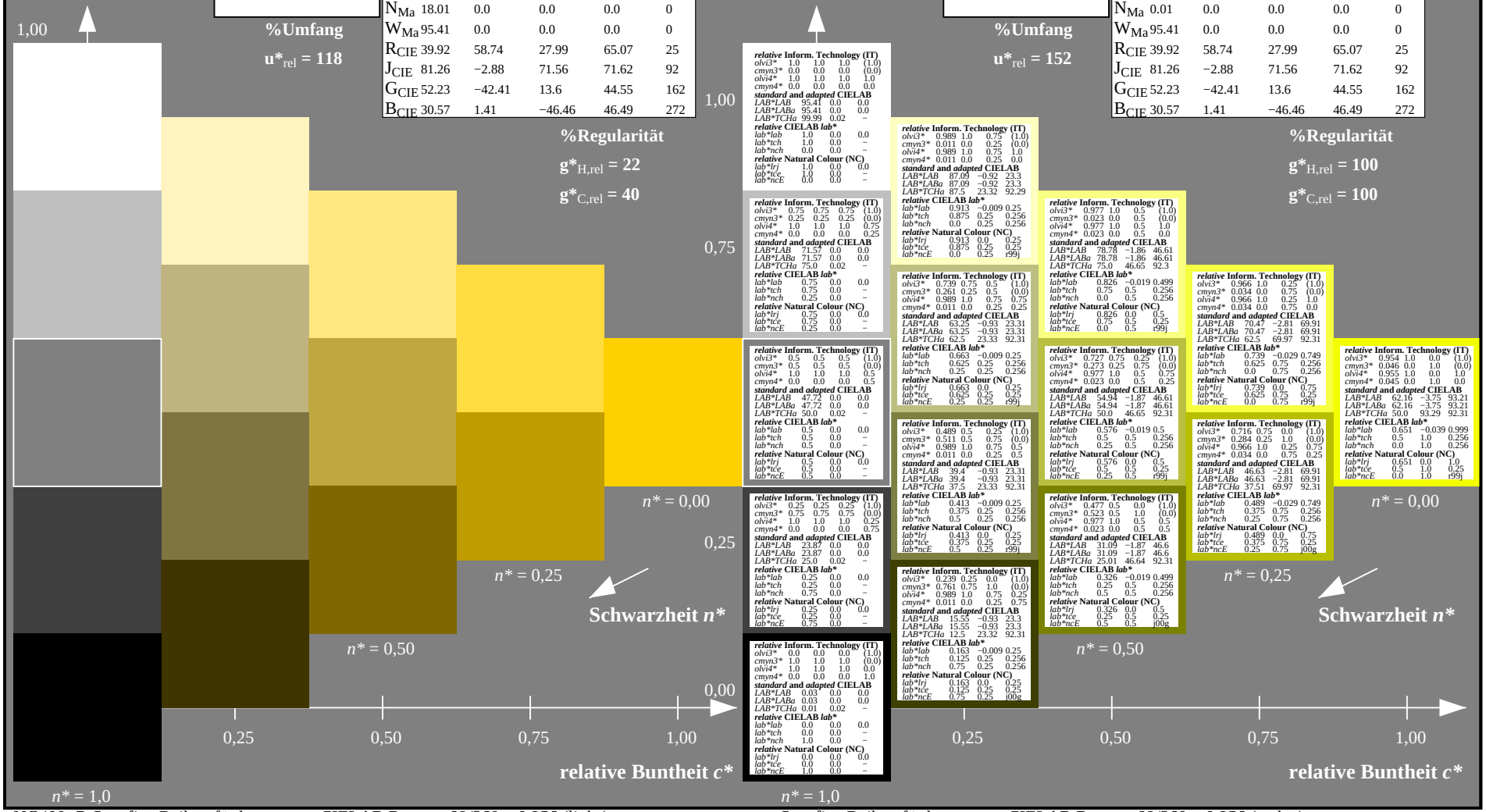


%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

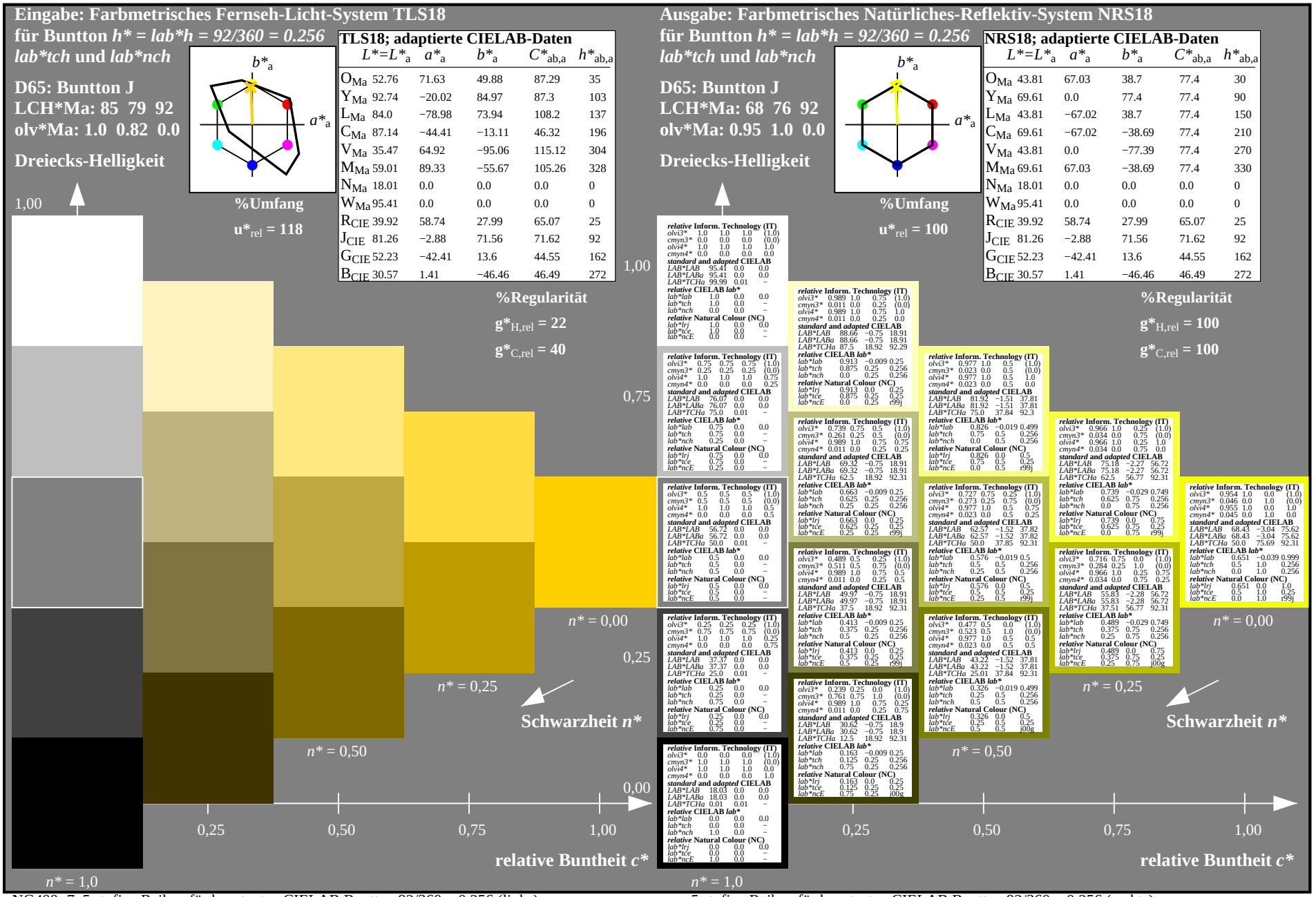
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

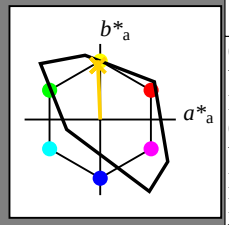
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

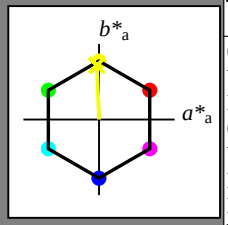
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

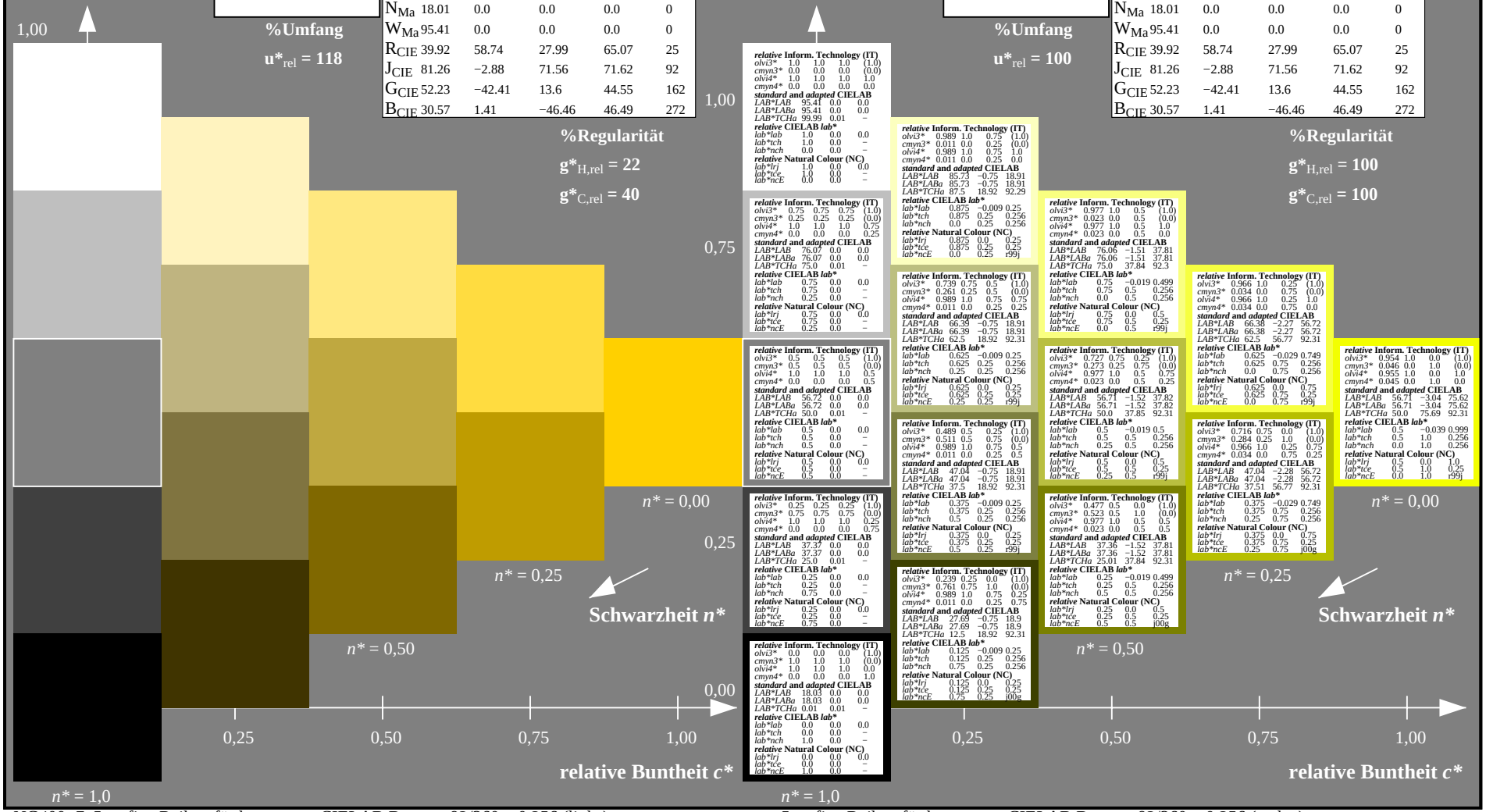


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



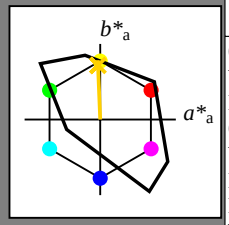
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

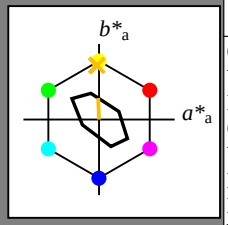
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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^*

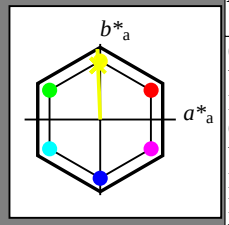
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

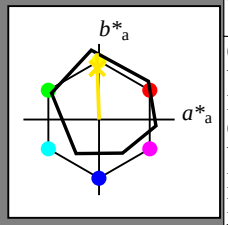
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

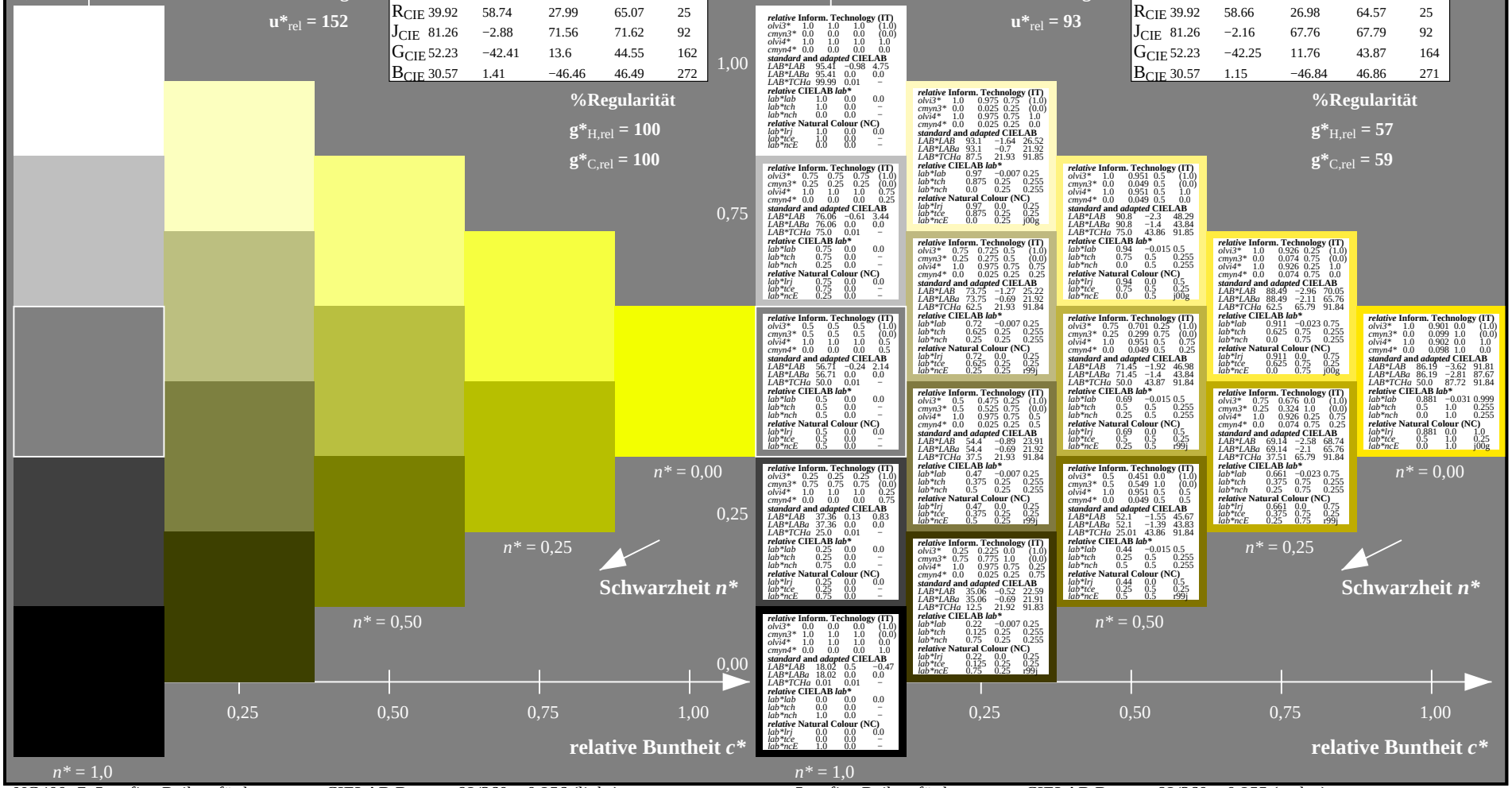


%Umfang
u*$_{rel}$ = 93

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



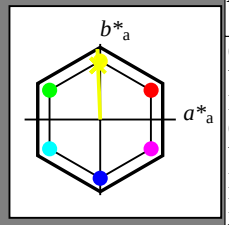
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

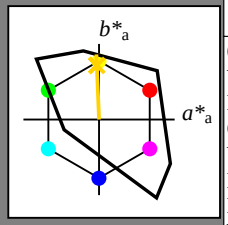
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

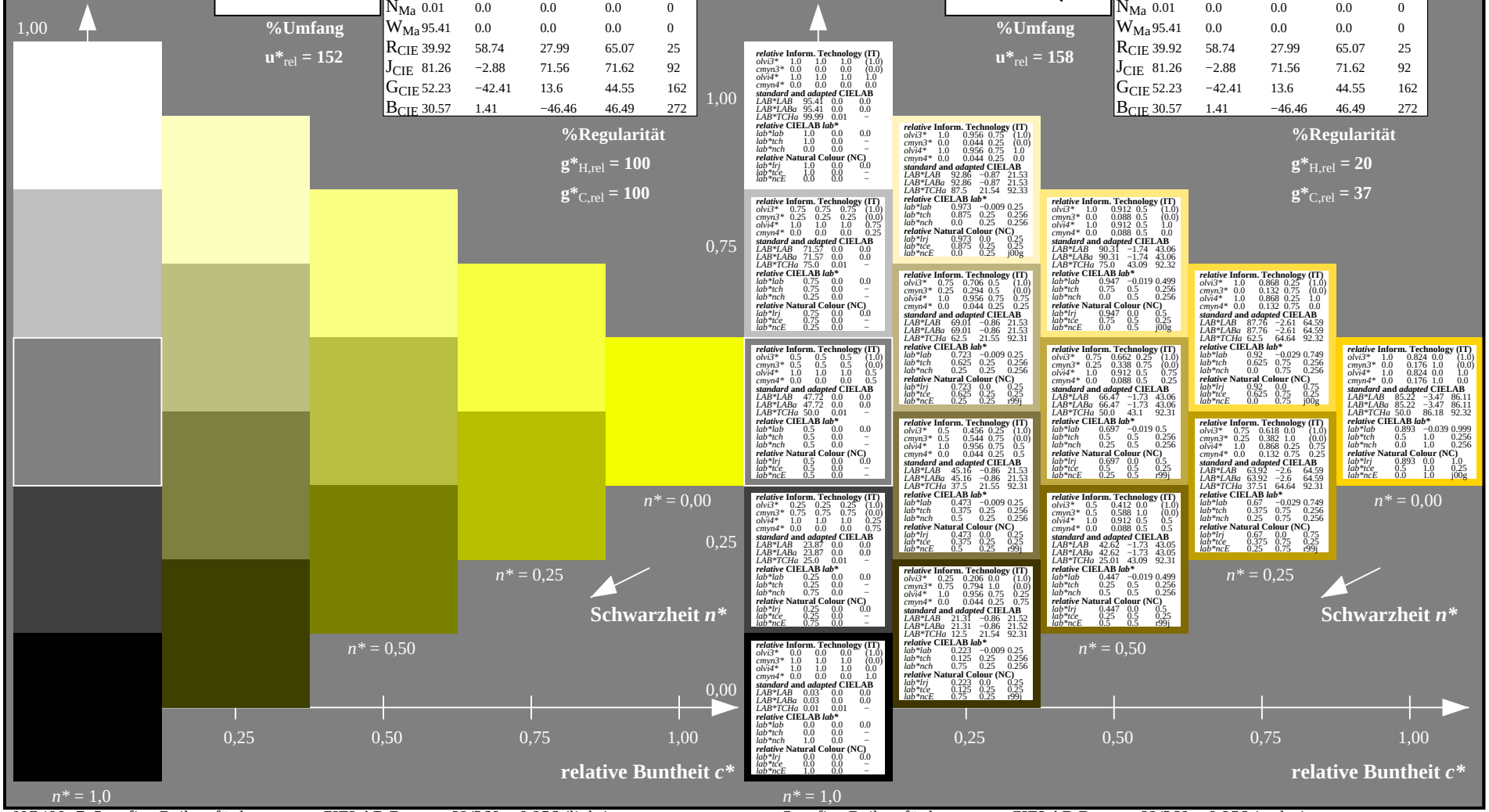


%Umfang
u^*_{rel} = 158

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



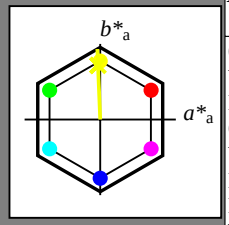
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

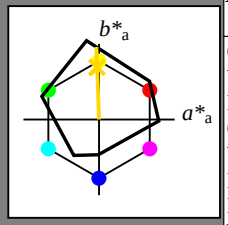
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit

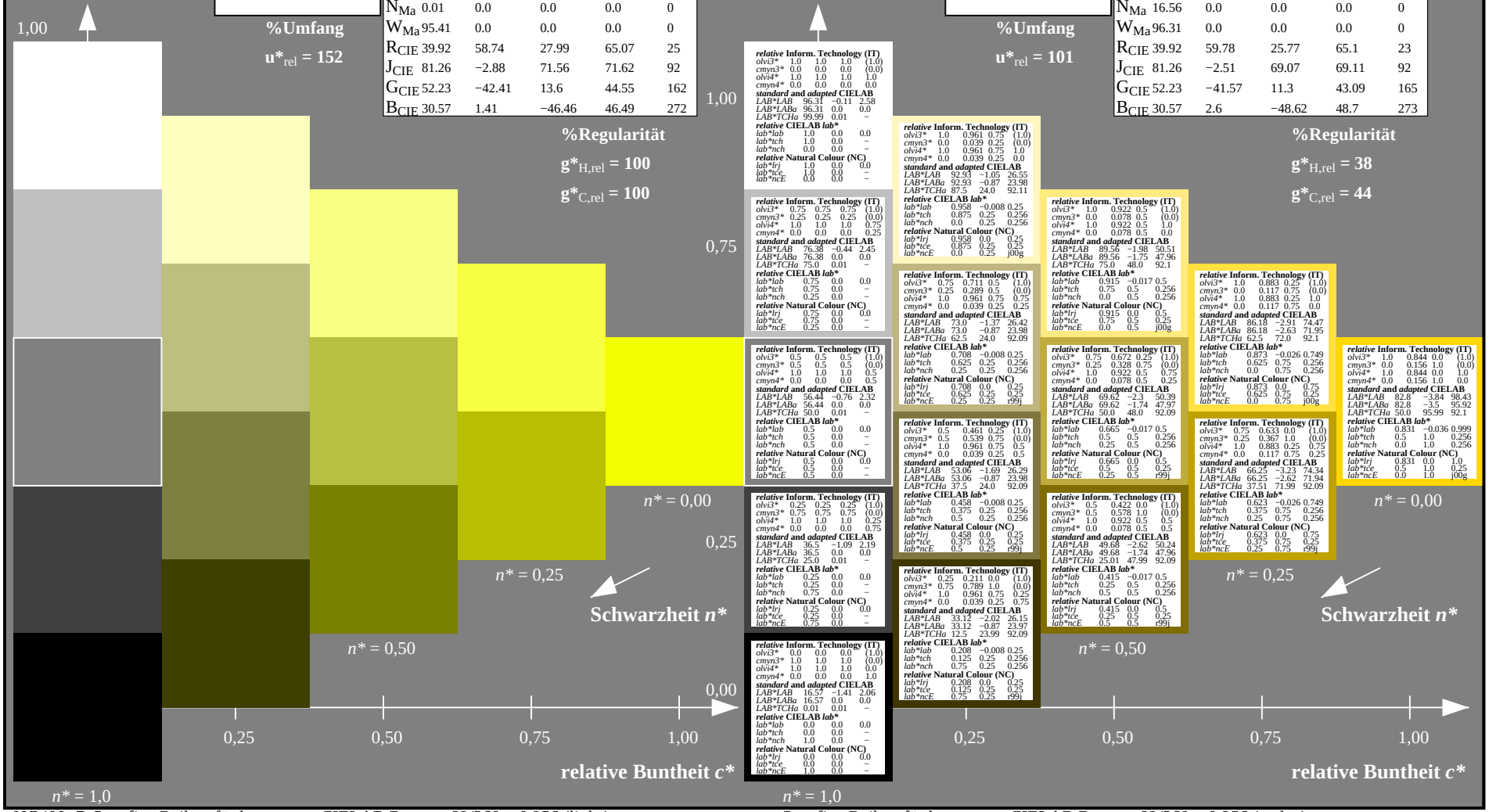


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



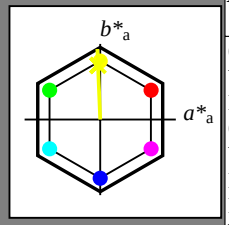
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

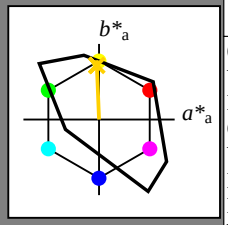
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit

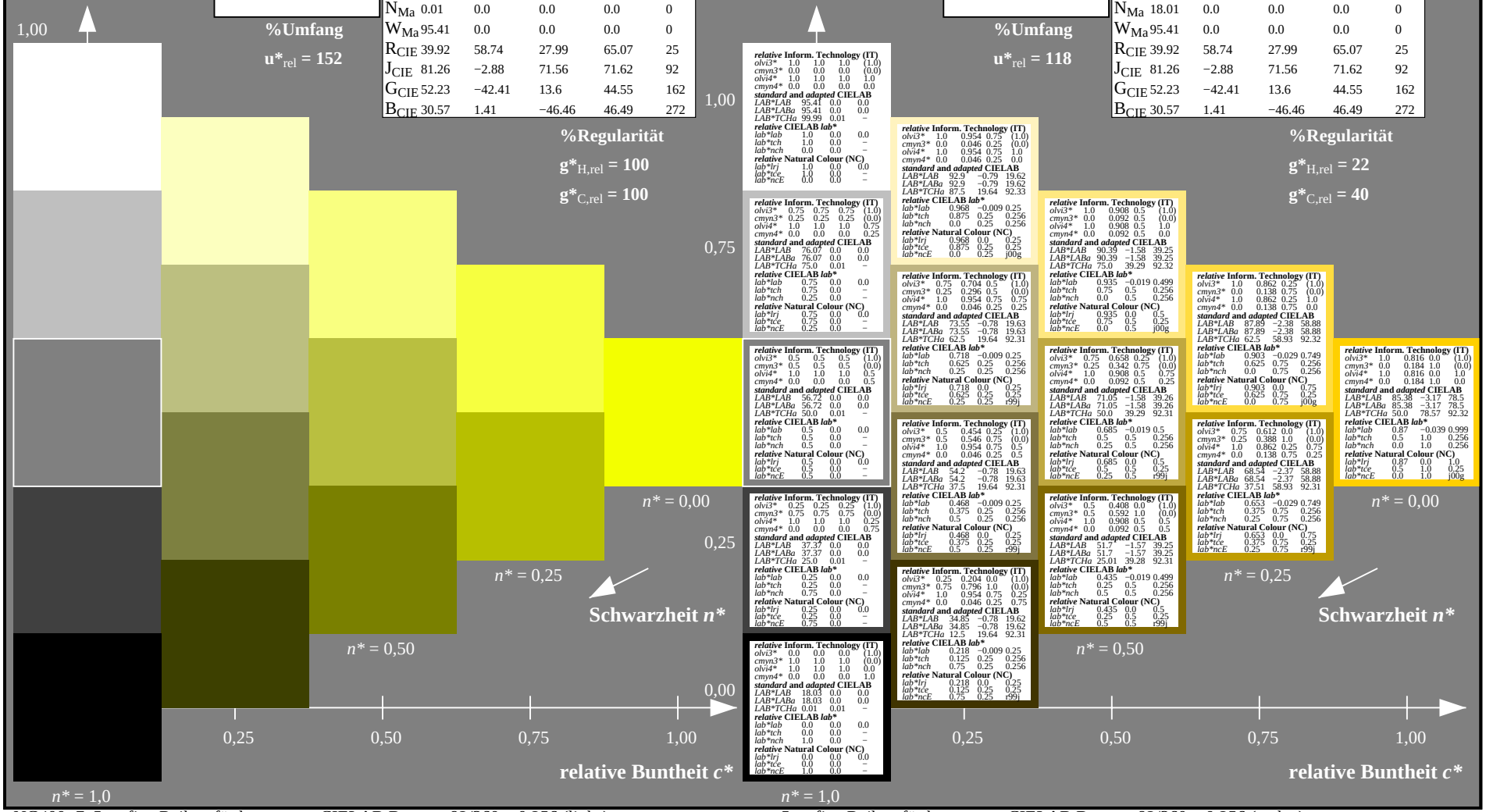


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

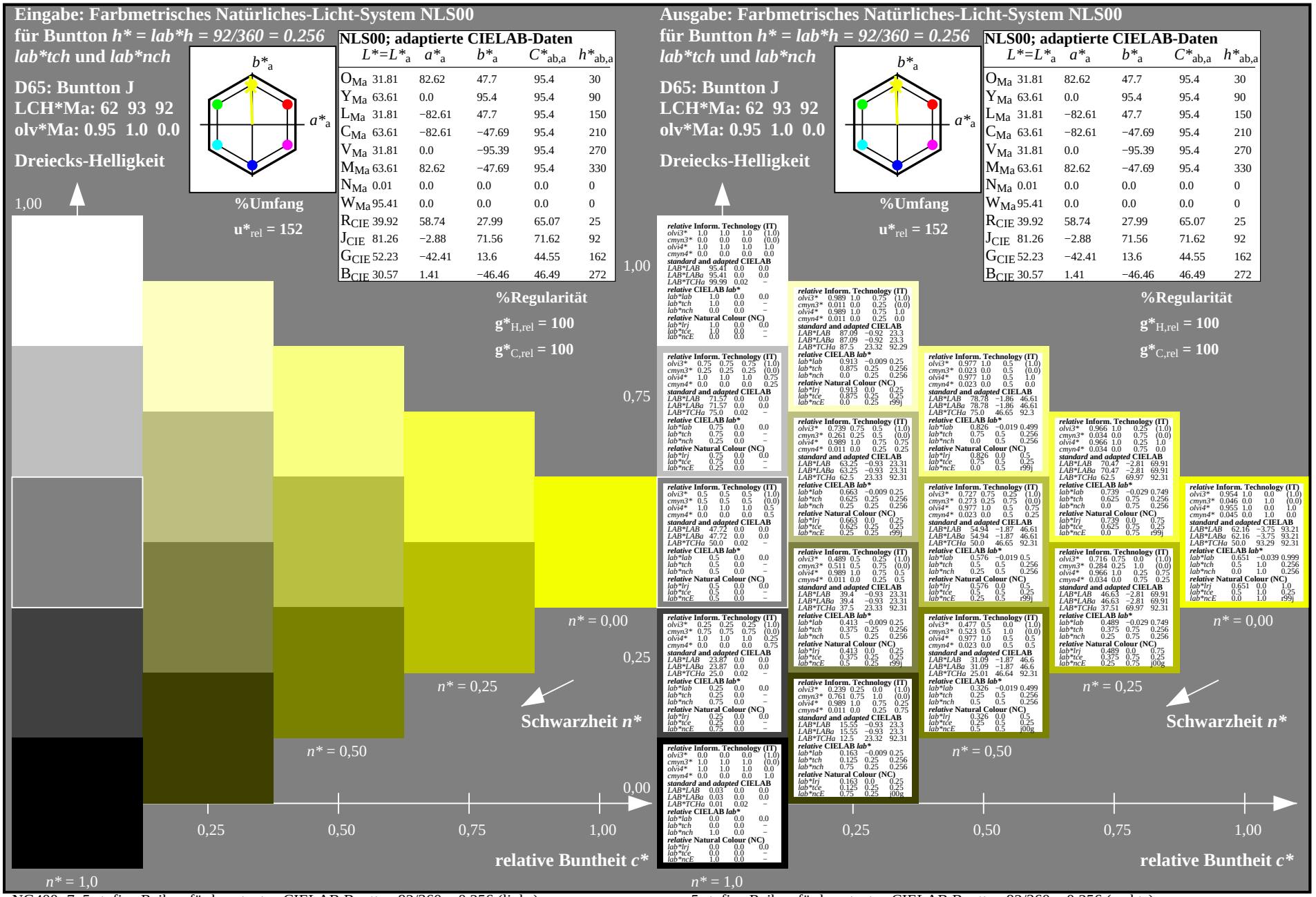
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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



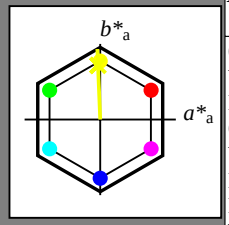
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

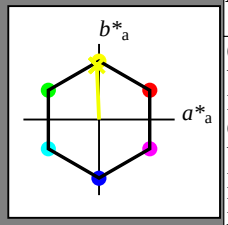
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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**

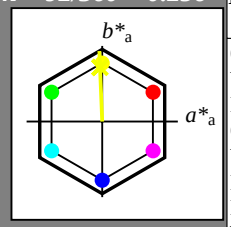
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

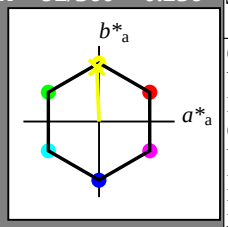
%Regularität
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

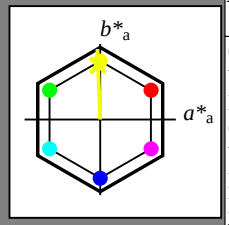
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

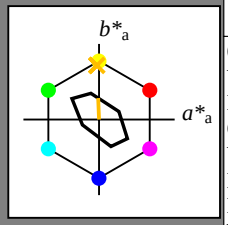
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit

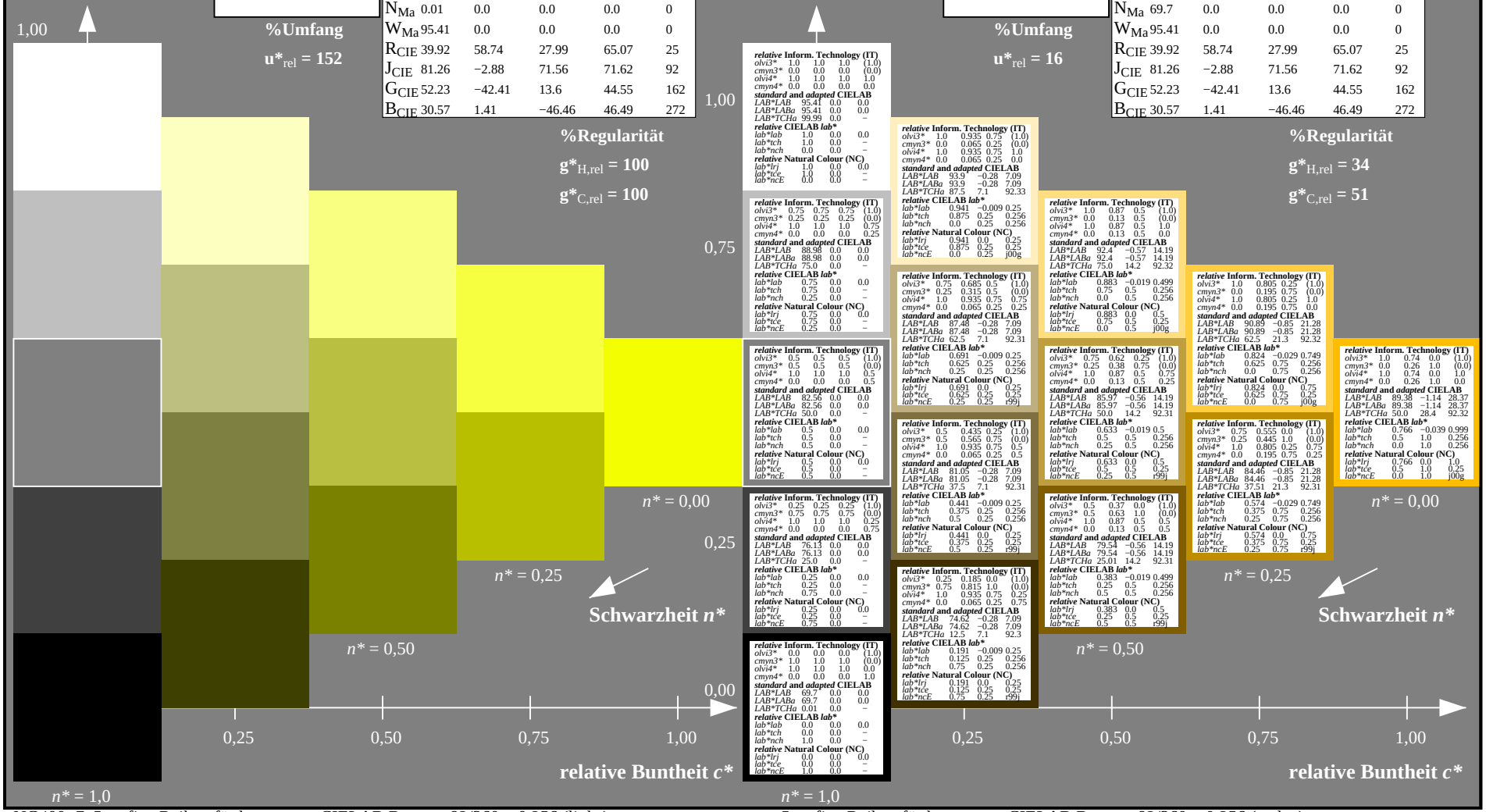


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



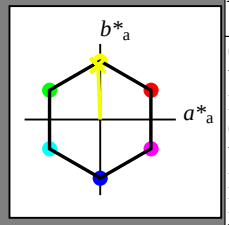
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

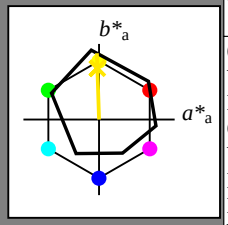
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



%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

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

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

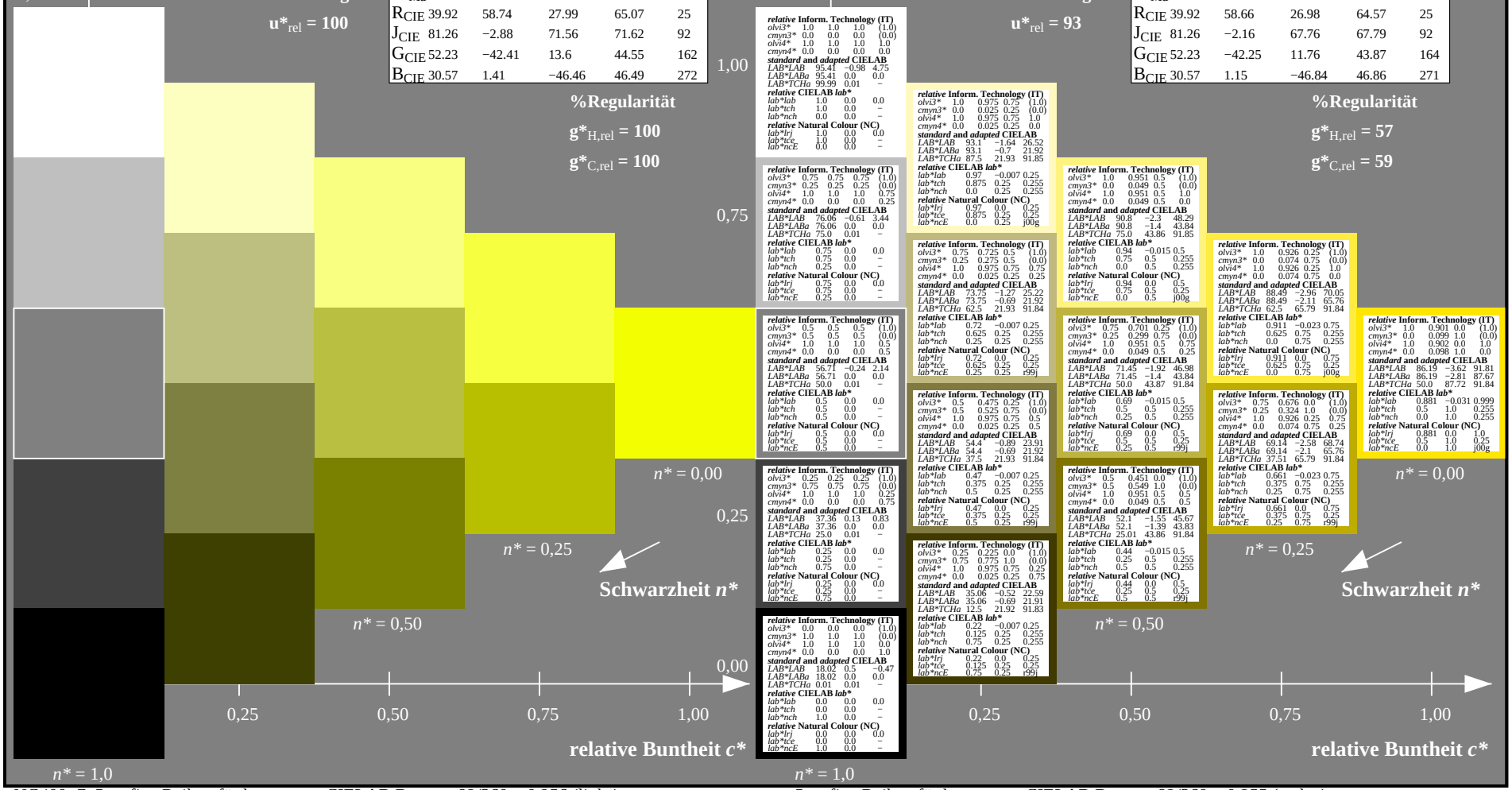
%Regularität
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

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^*



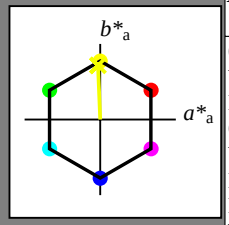
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

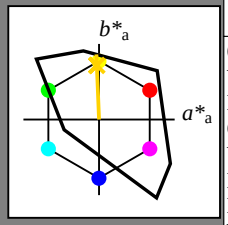
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

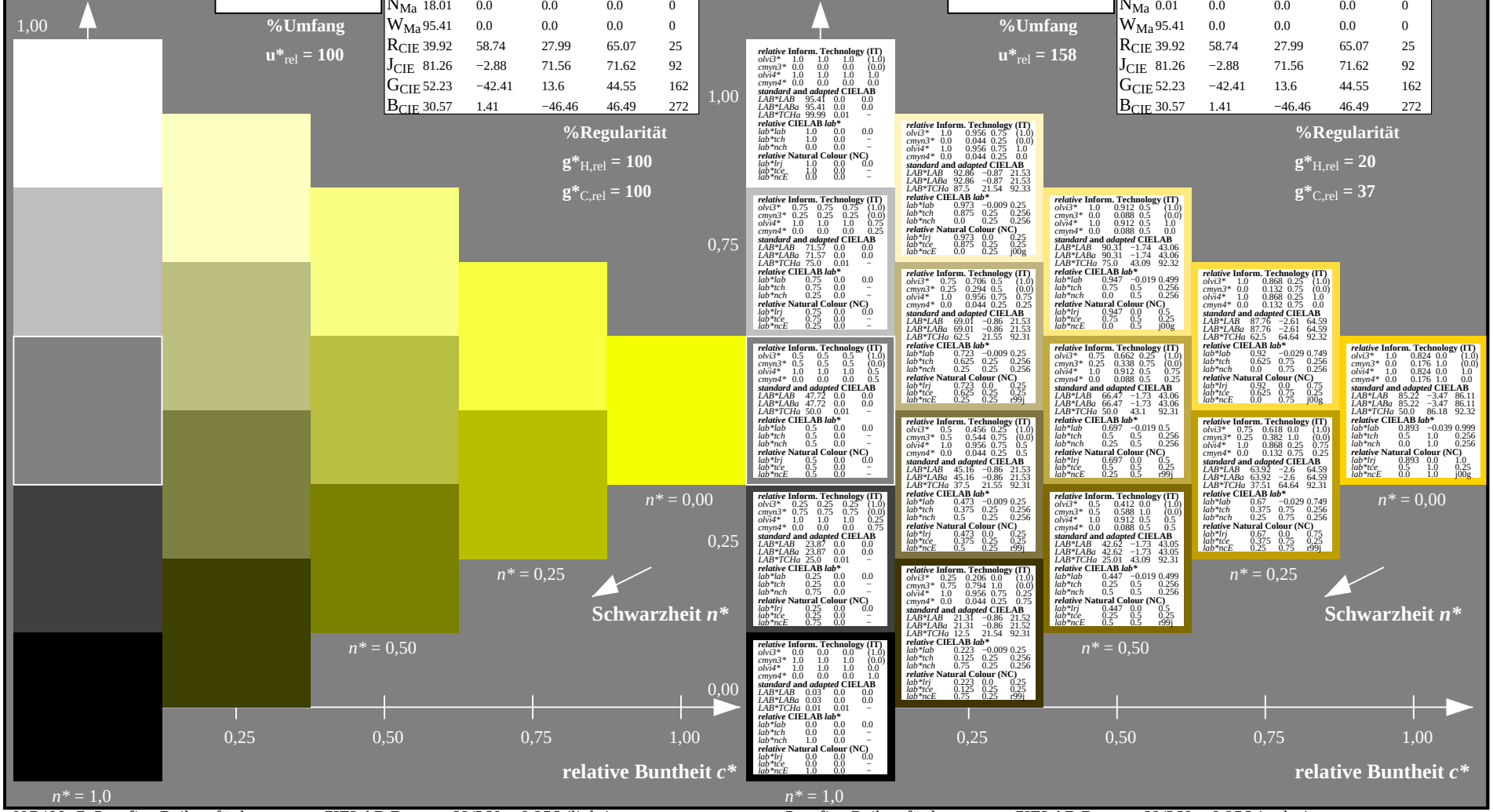


%Umfang
u^*_{rel} = 158

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



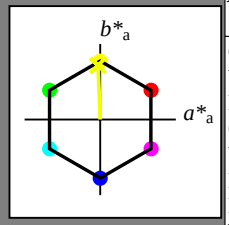
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

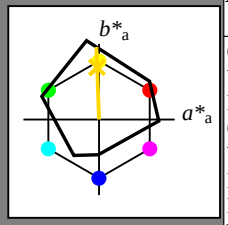
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit

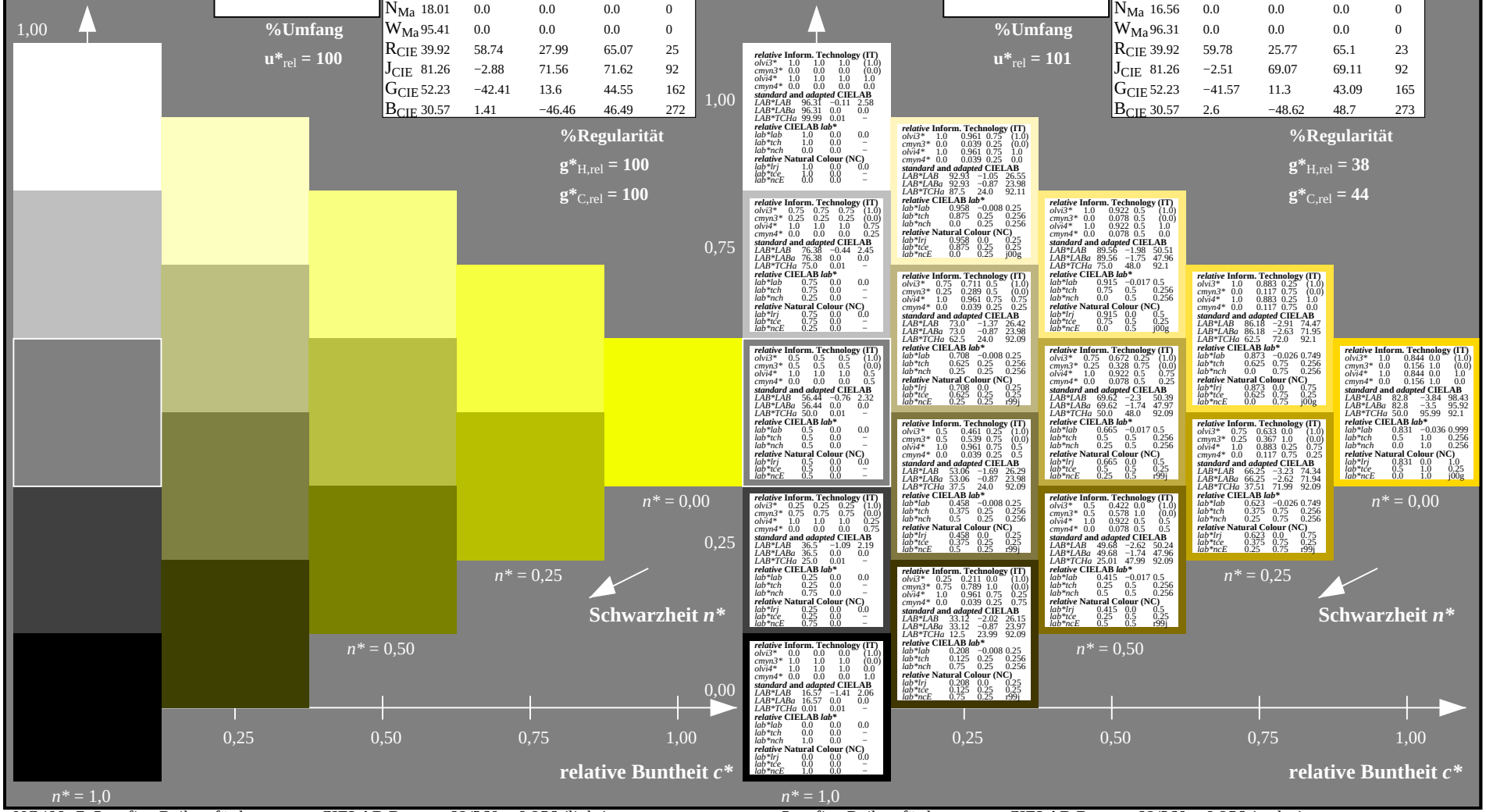


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



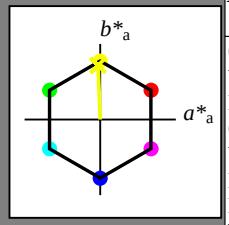
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

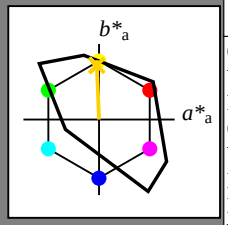
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit

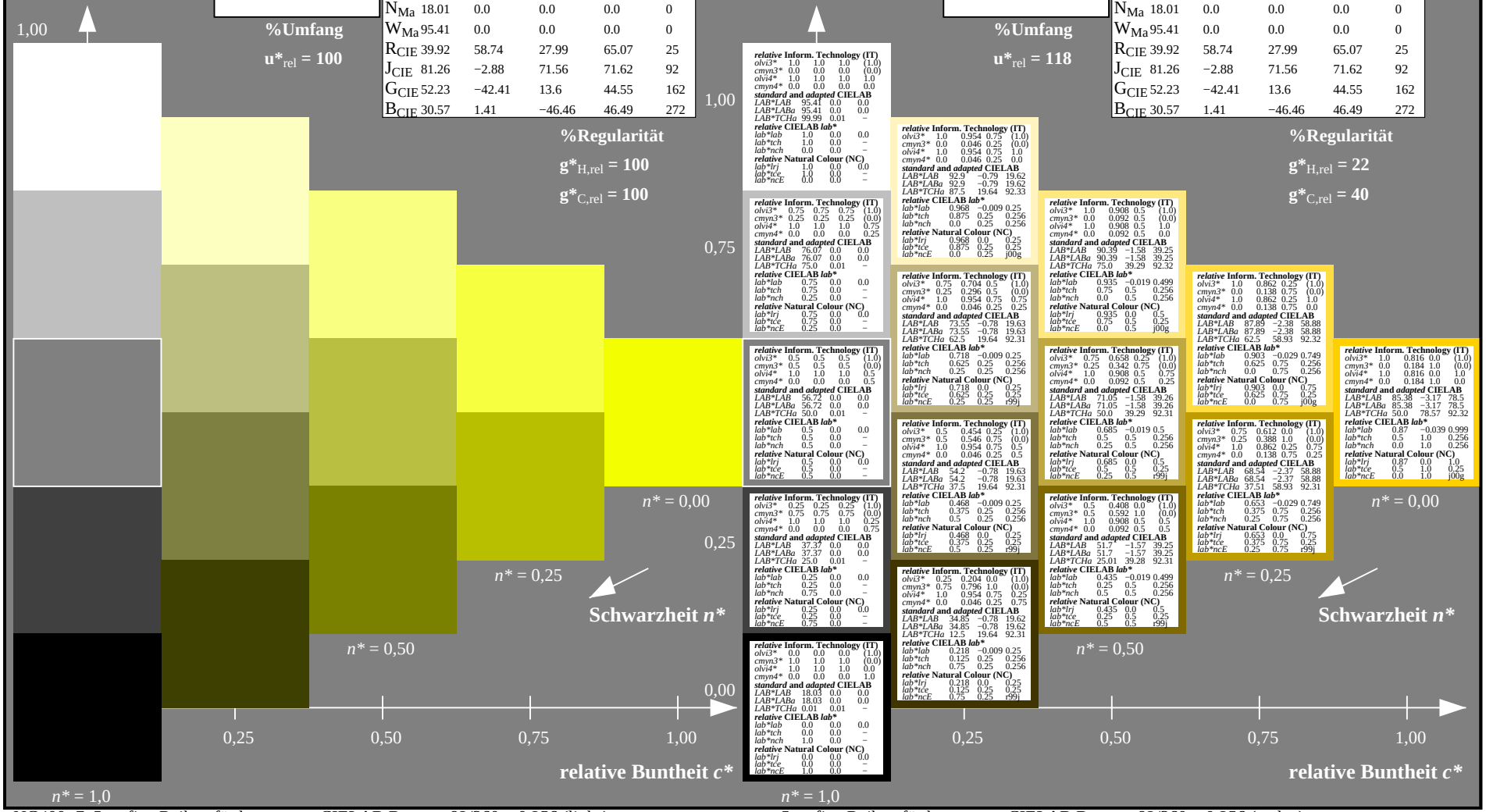


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

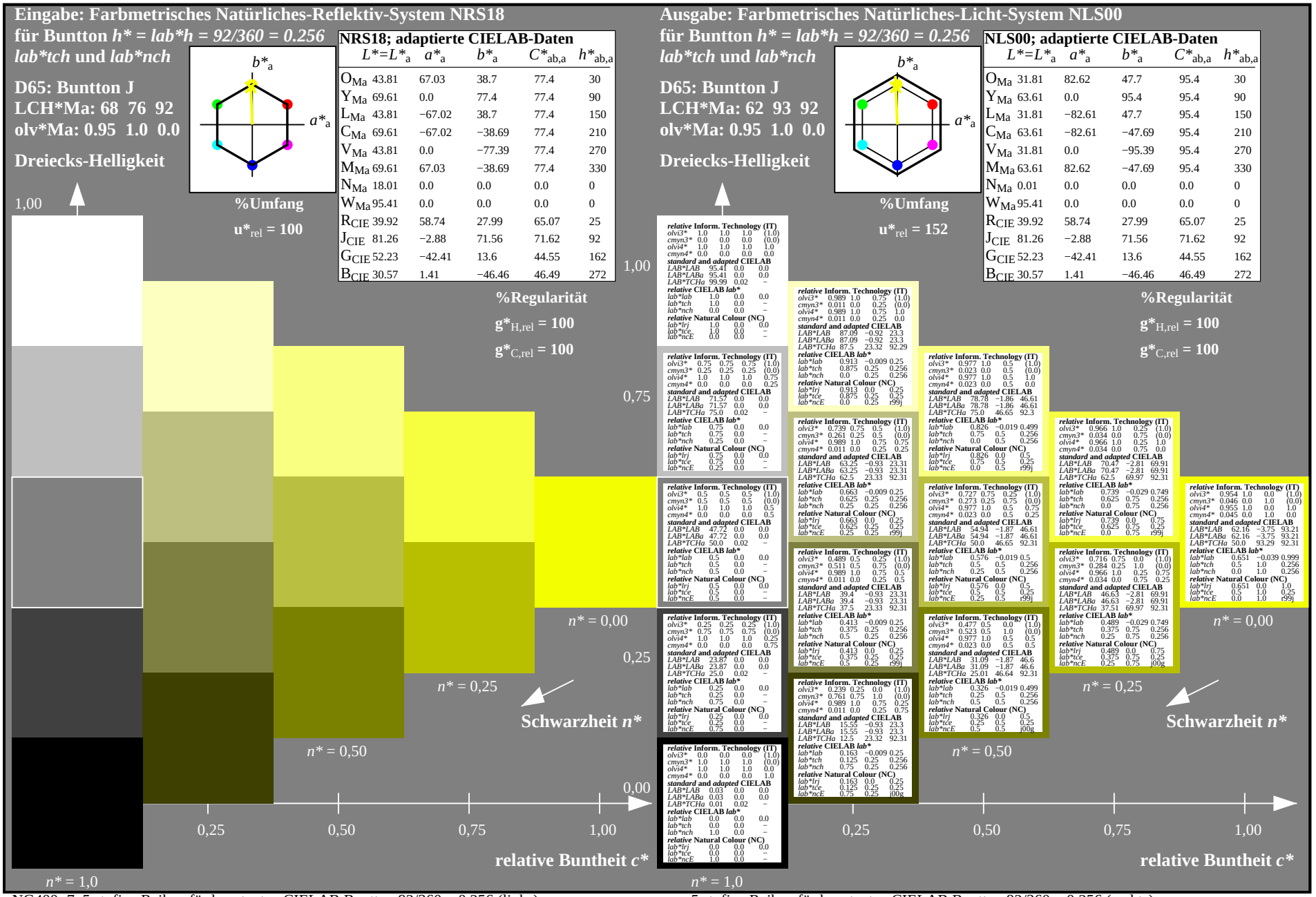
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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



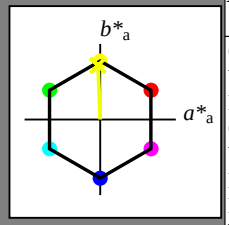
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

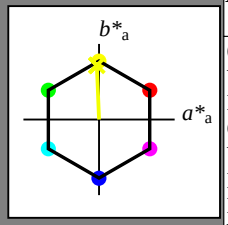
%Regularität
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

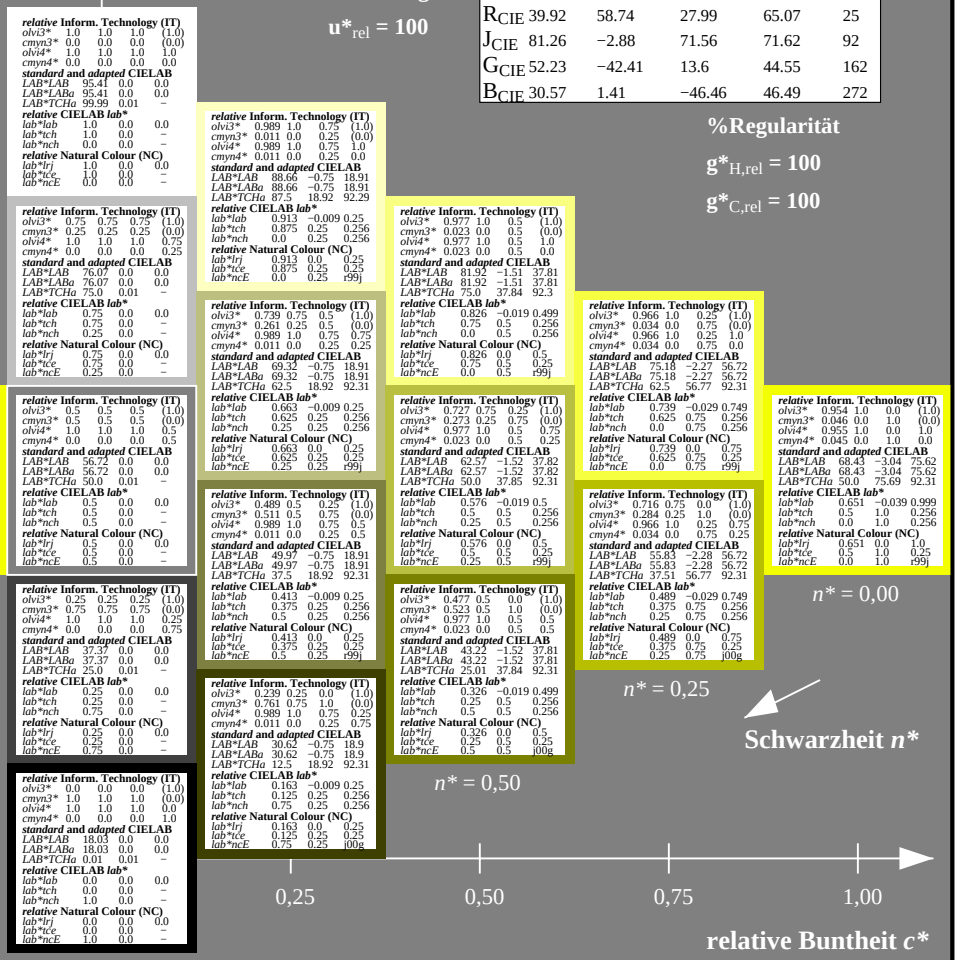


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

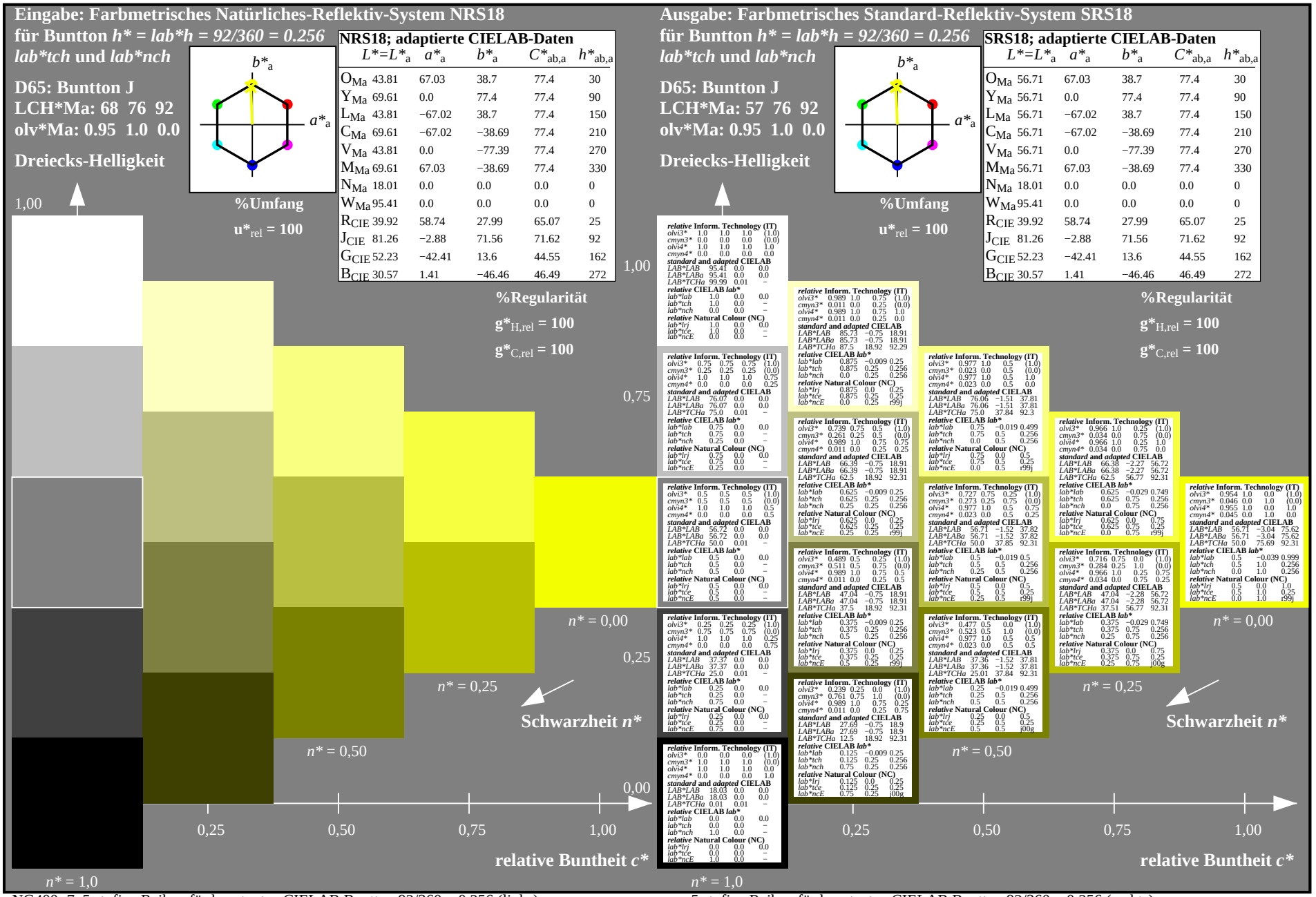
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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



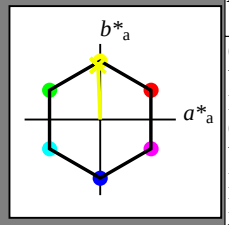
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

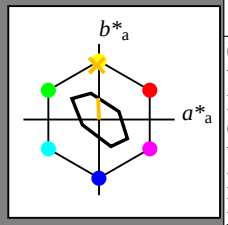
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit

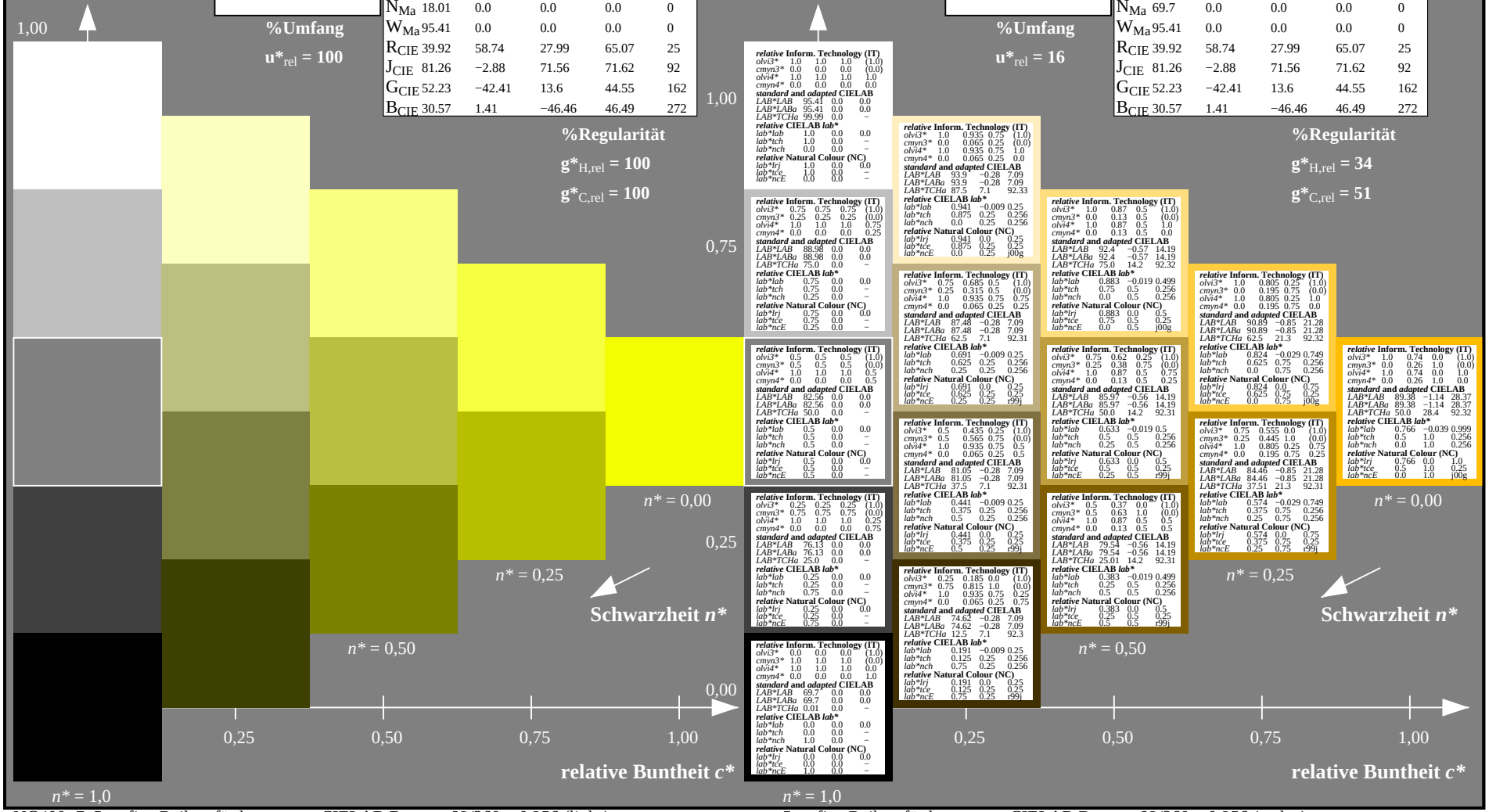


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



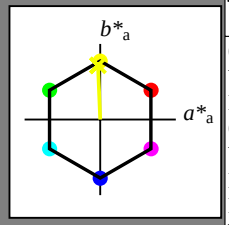
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18

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

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

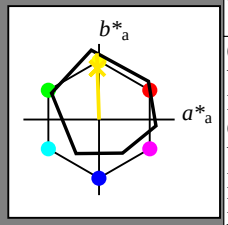
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

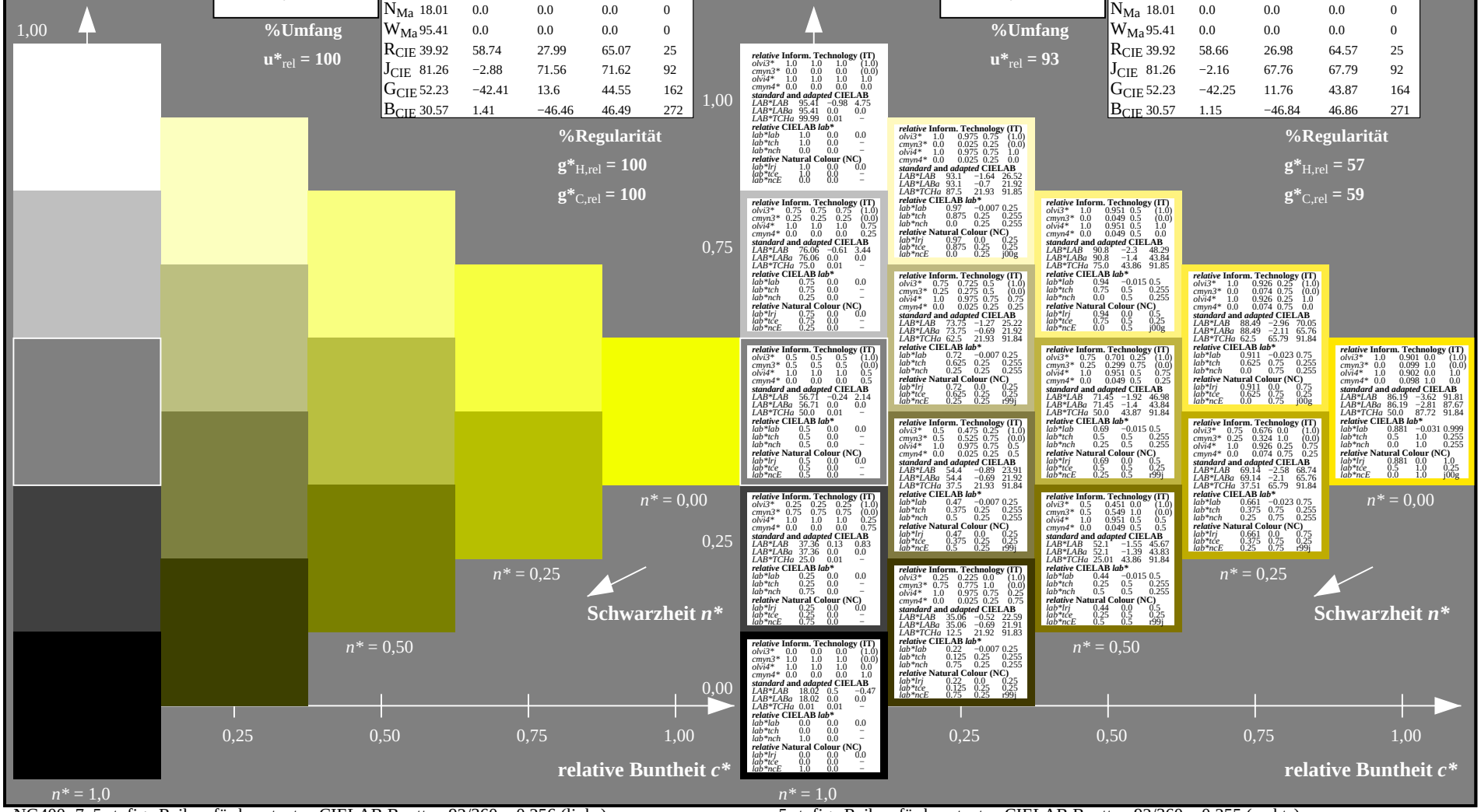


%Umfang
u^*_{rel} = 93

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



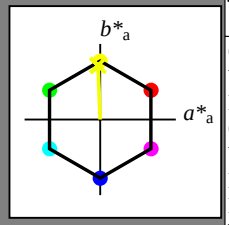
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

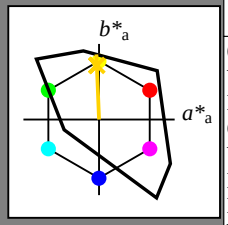
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: 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

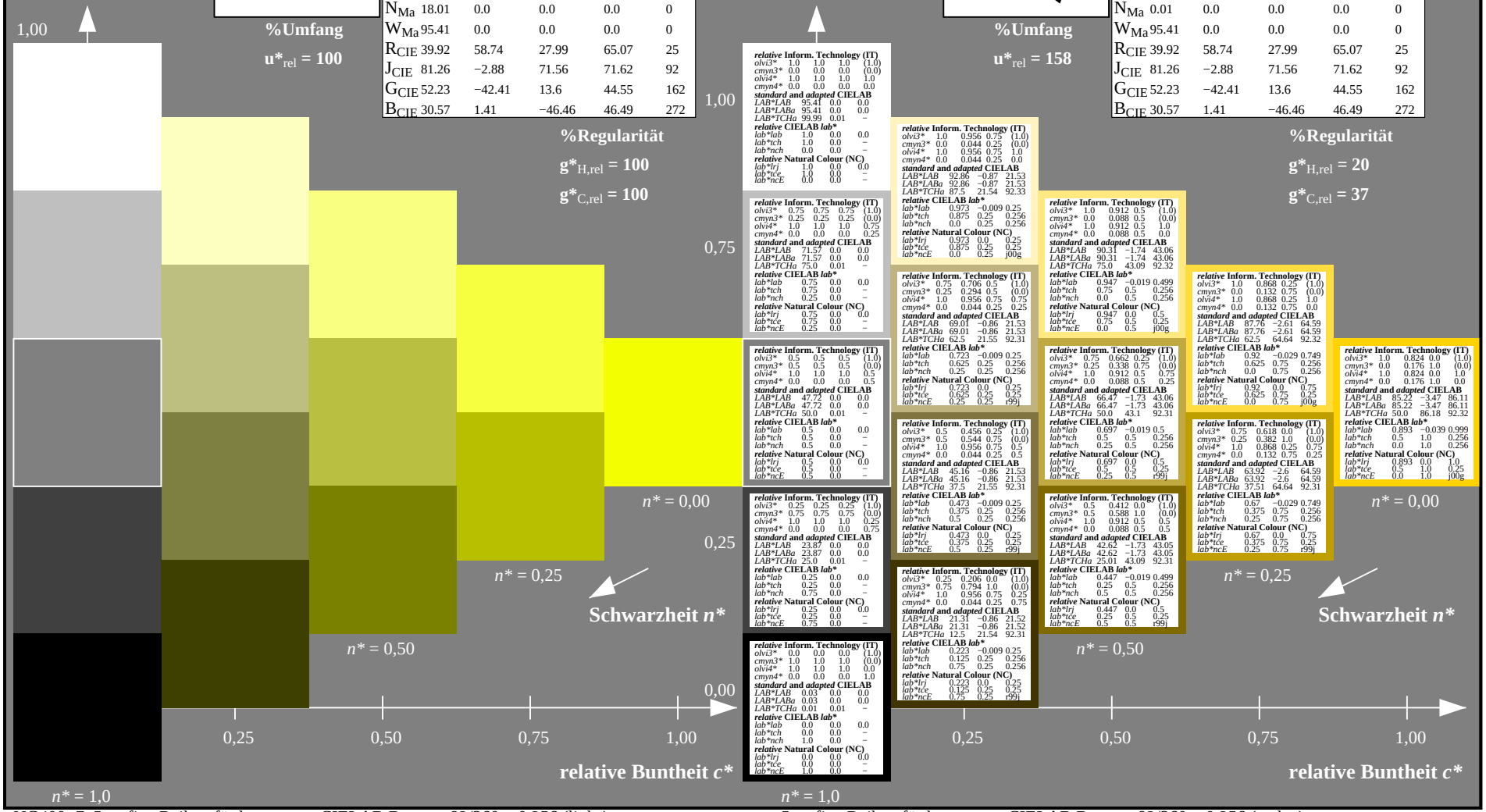


%Umfang
u^*_{rel} = 158

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



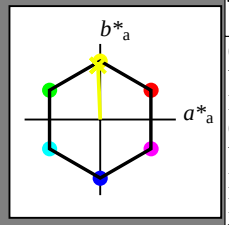
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

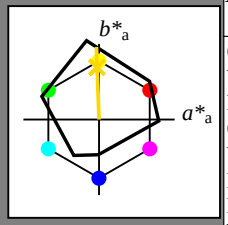
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

Dreiecks-Helligkeit

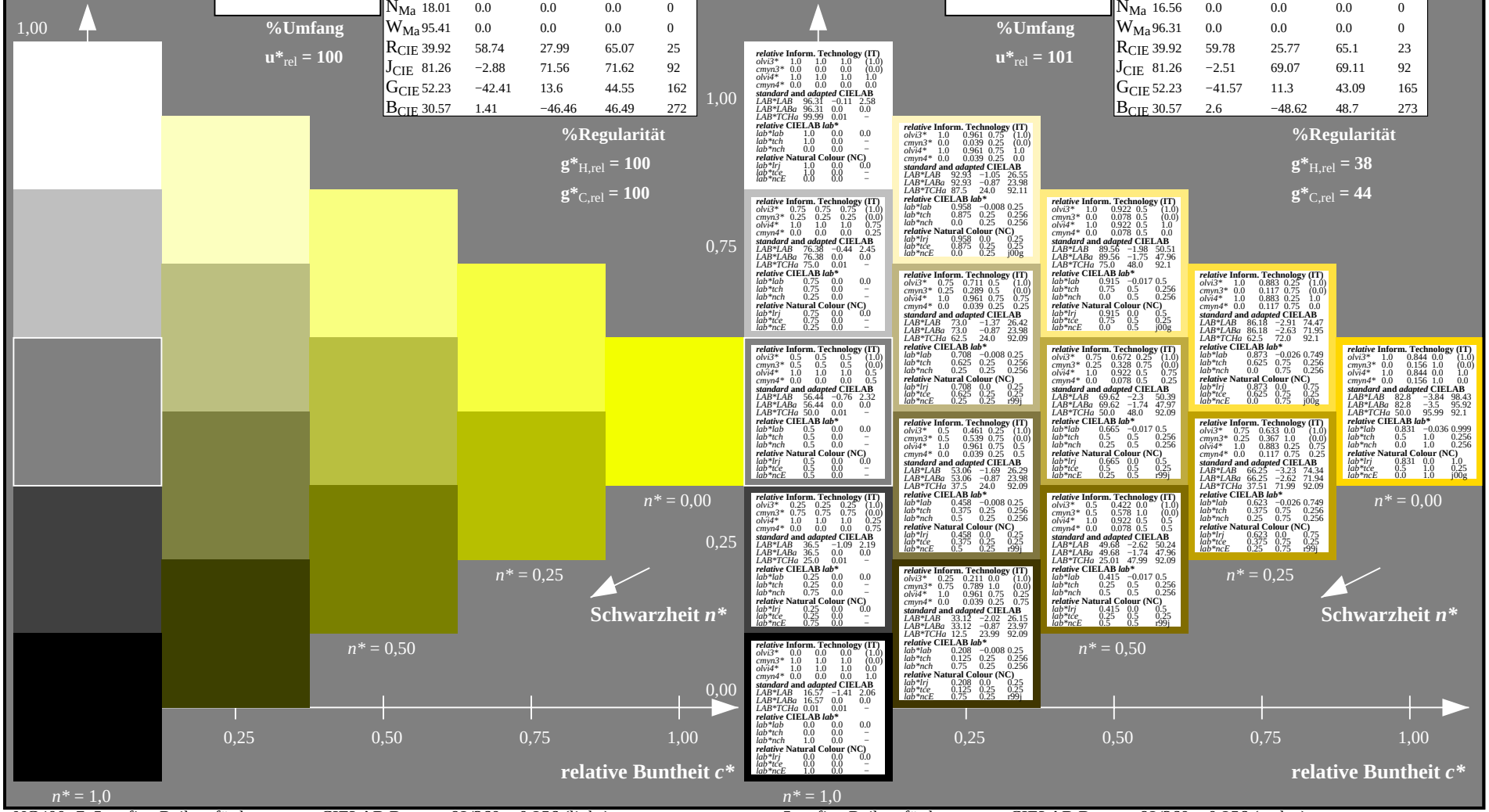


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



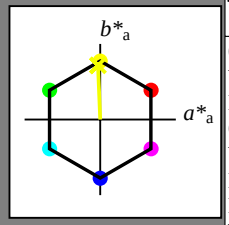
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

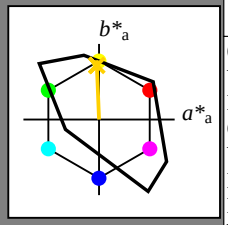
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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

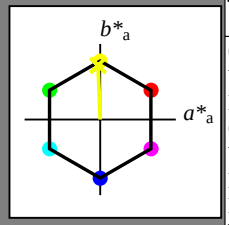
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

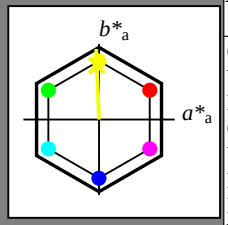
g*H,rel = 100

g*C,rel = 100

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 152

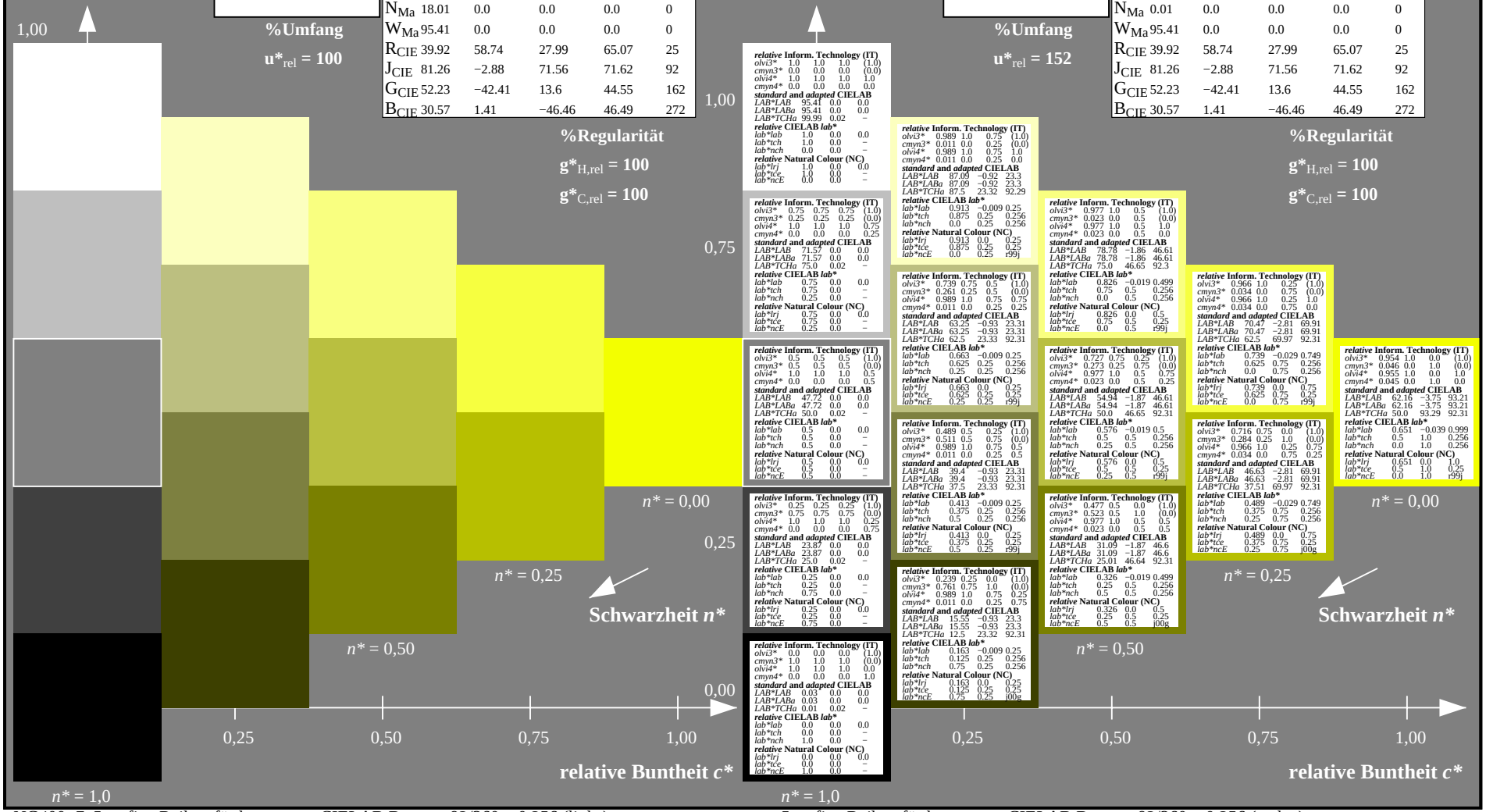
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100



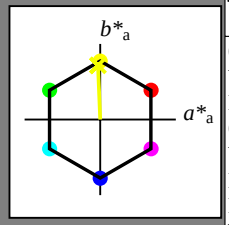
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

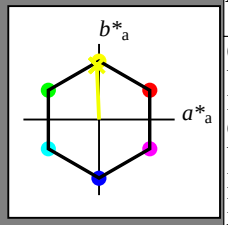
%Regularität
g*H,rel = 100
g*C,rel = 100

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

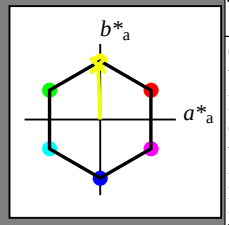
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

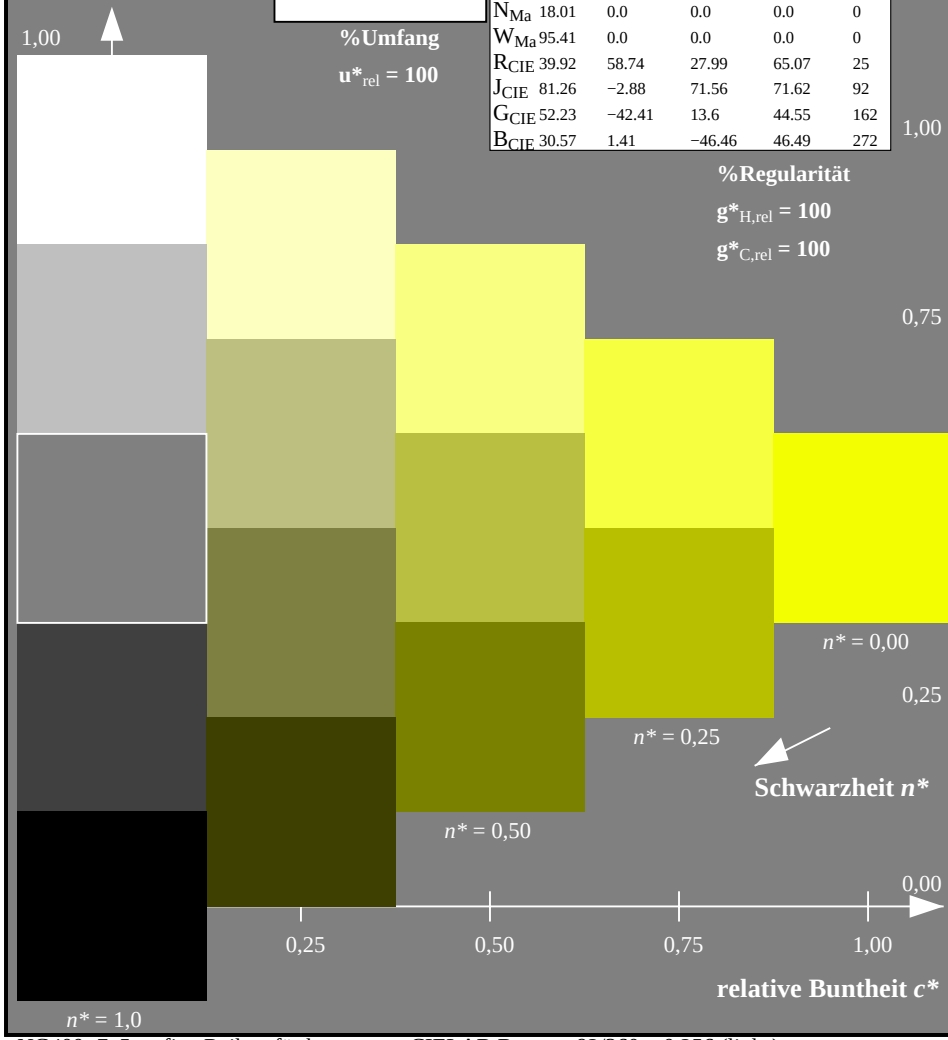
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

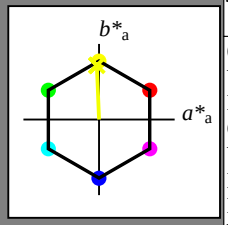


%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

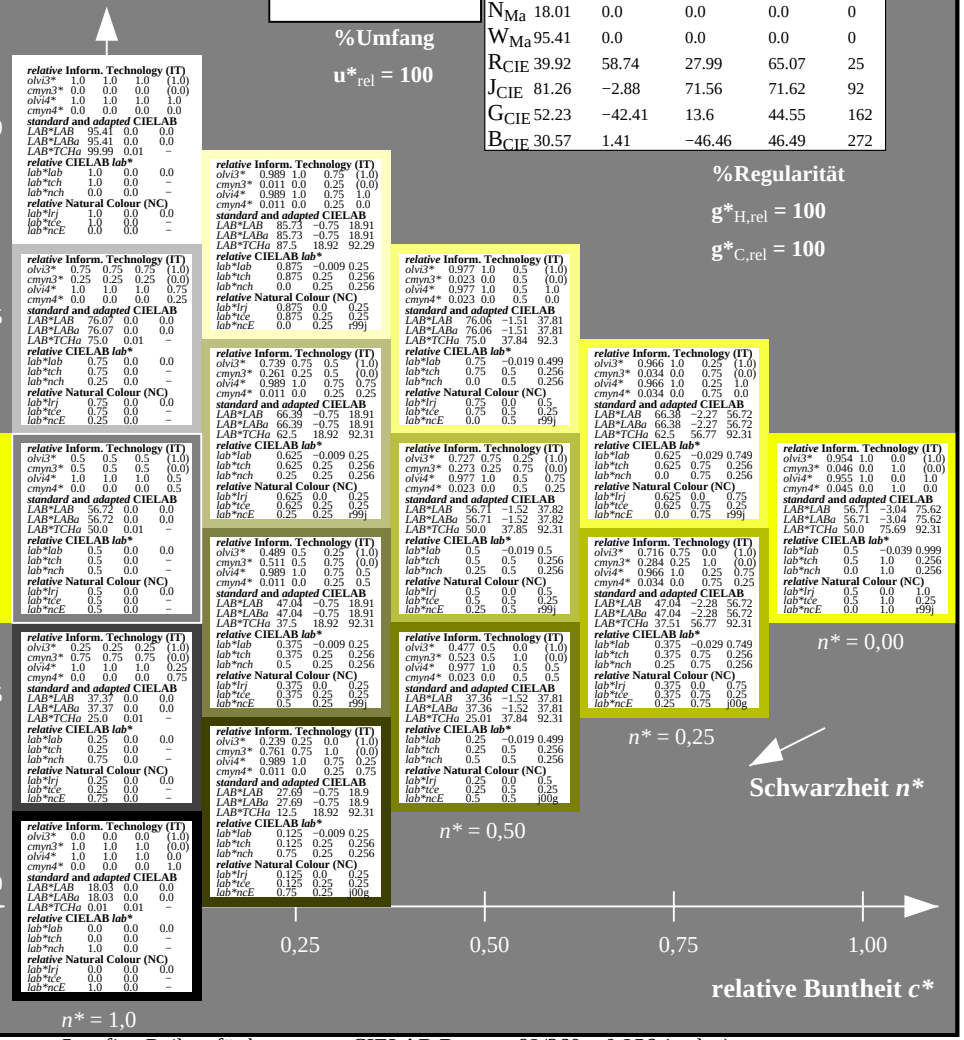
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



%Regularität
g*H,rel = 100
g*C,rel = 100

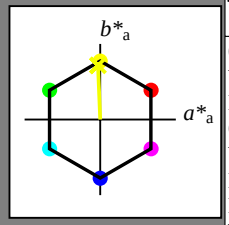
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

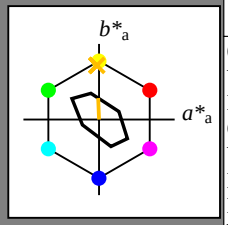
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit

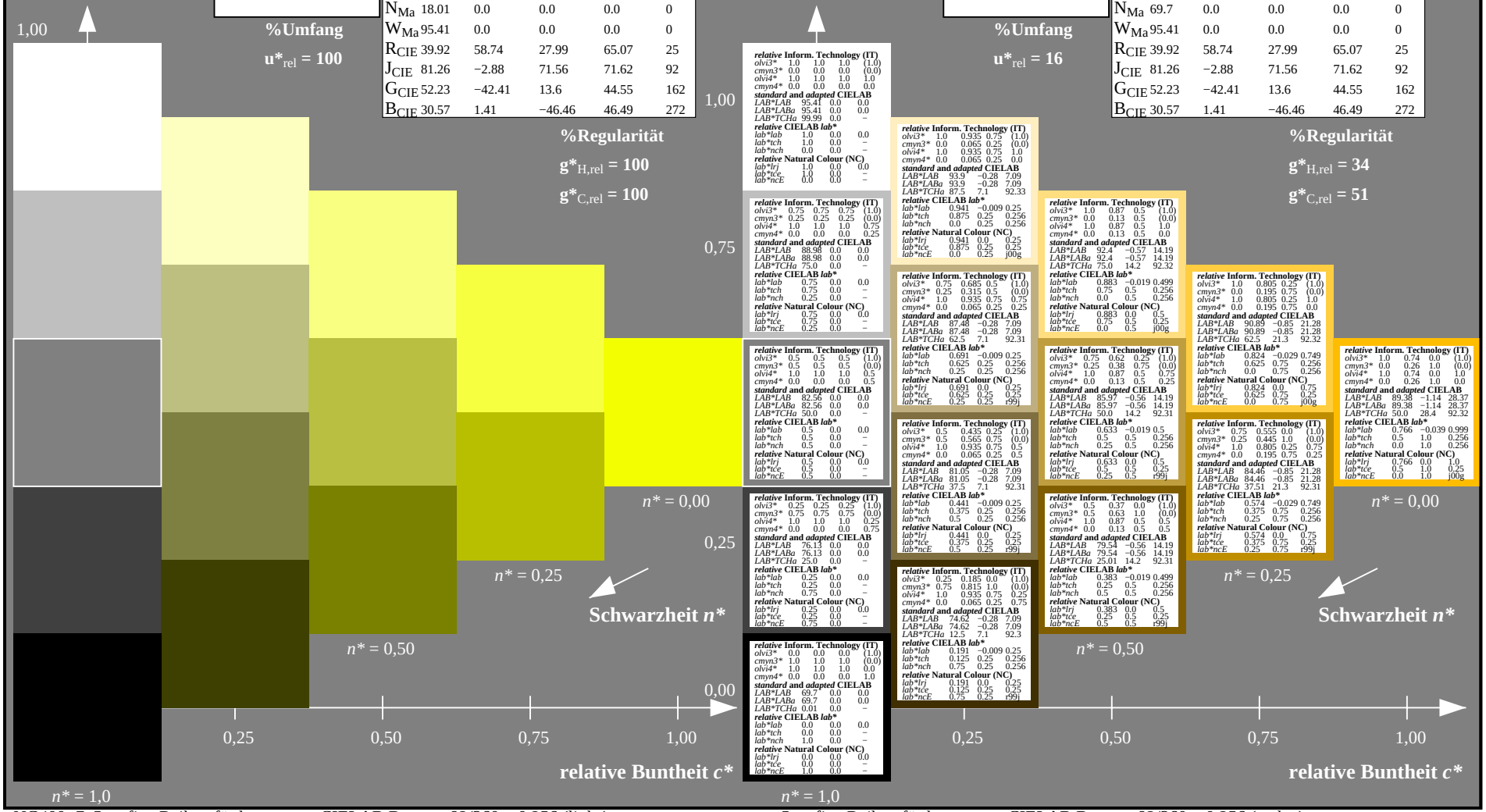


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



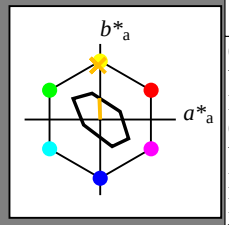
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

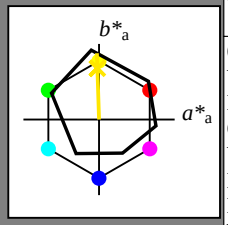
TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

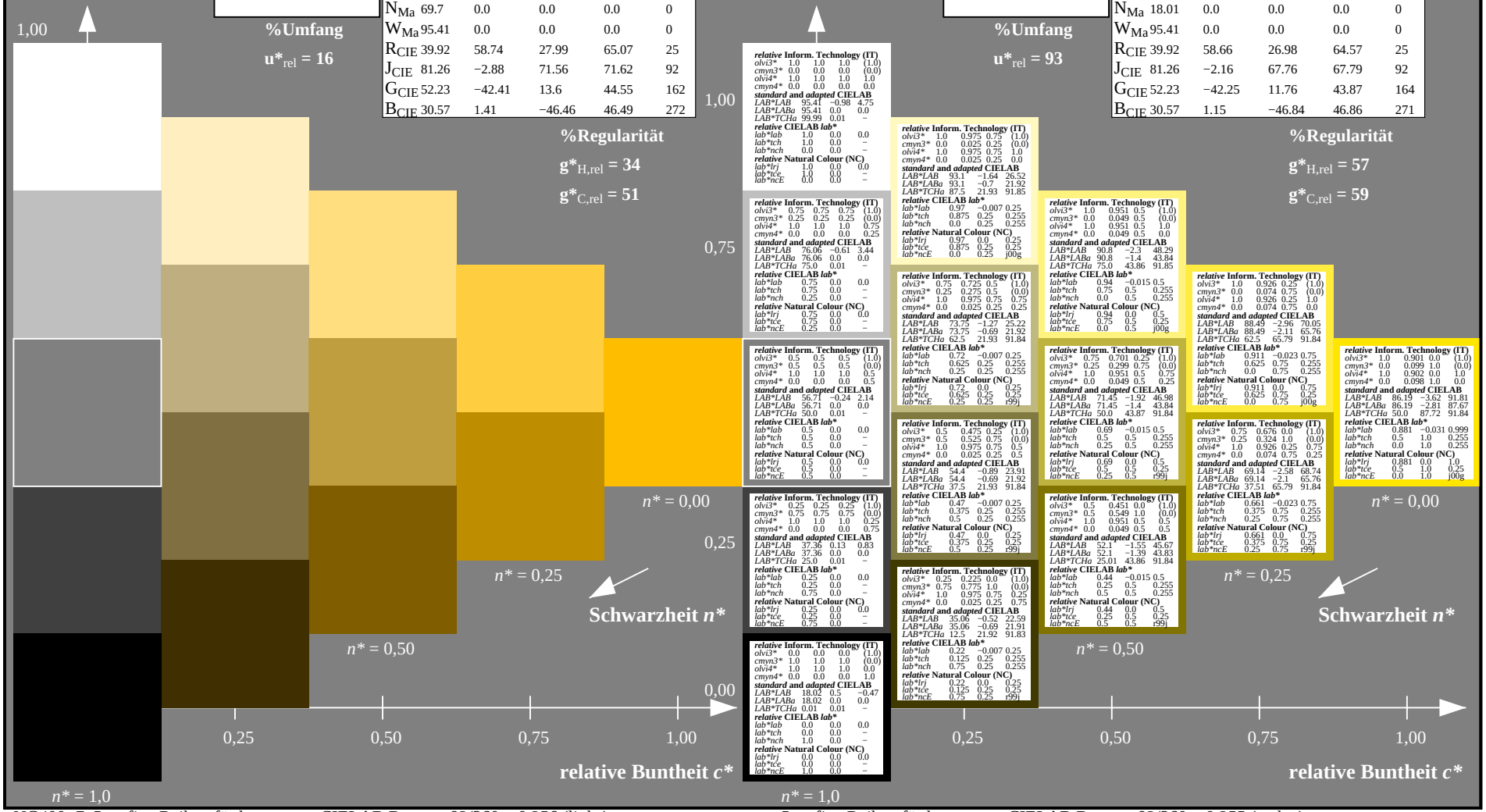


%Umfang

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	10.52	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



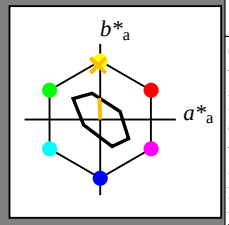
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

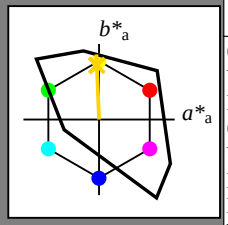
g*C,rel = 51

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

Ausgabe: 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



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

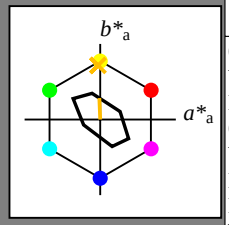
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

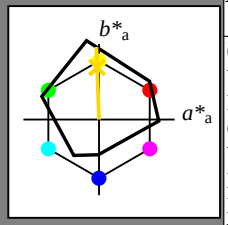
TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 83 96 92
olv*Ma: 1.0 0.84 0.0

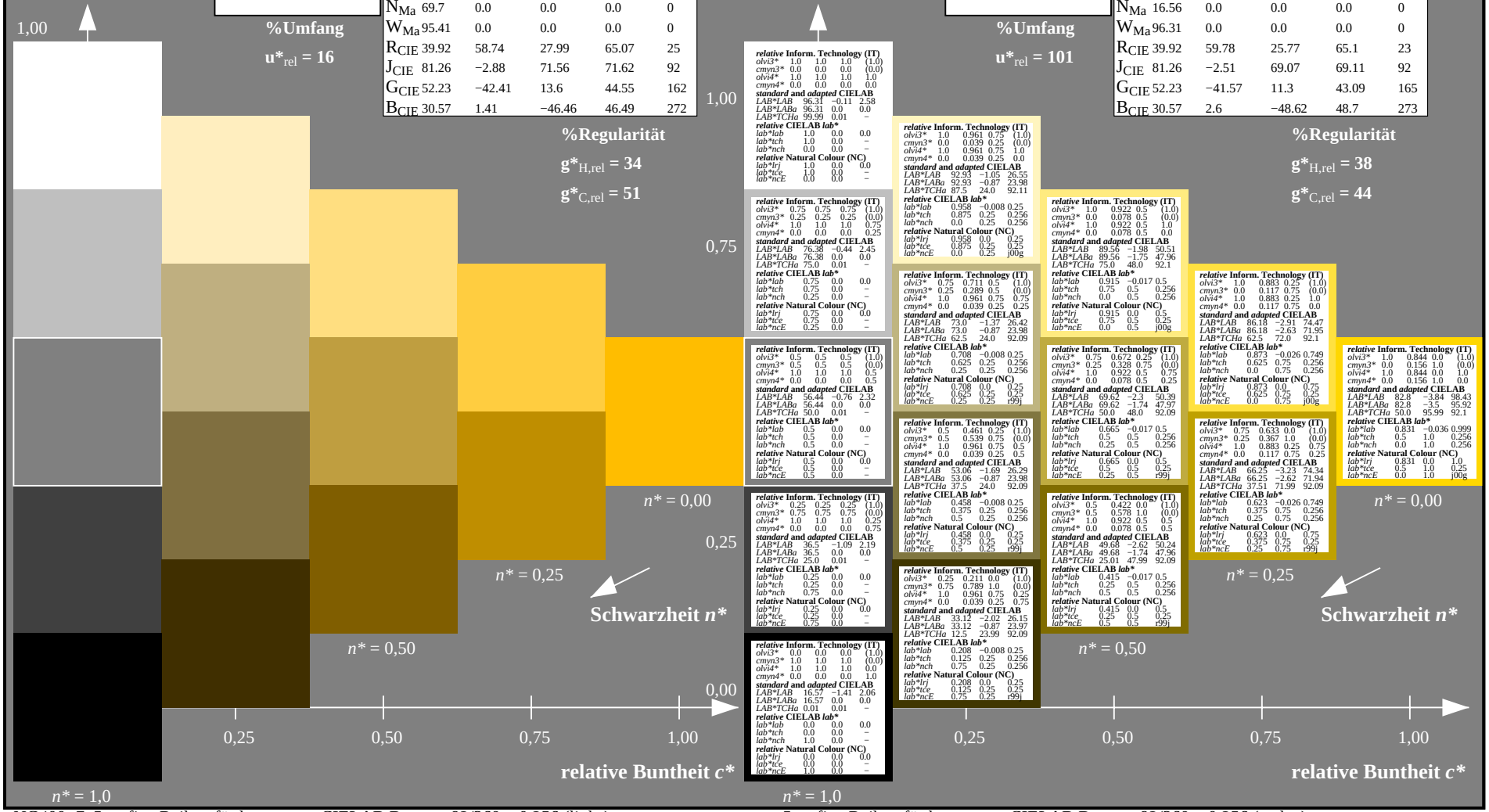
Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



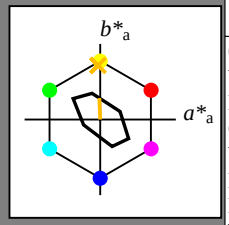
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

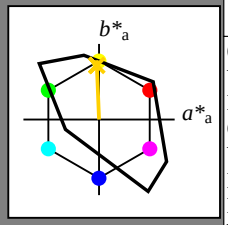
g*H,rel = 34

g*C,rel = 51

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang

u*rel = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

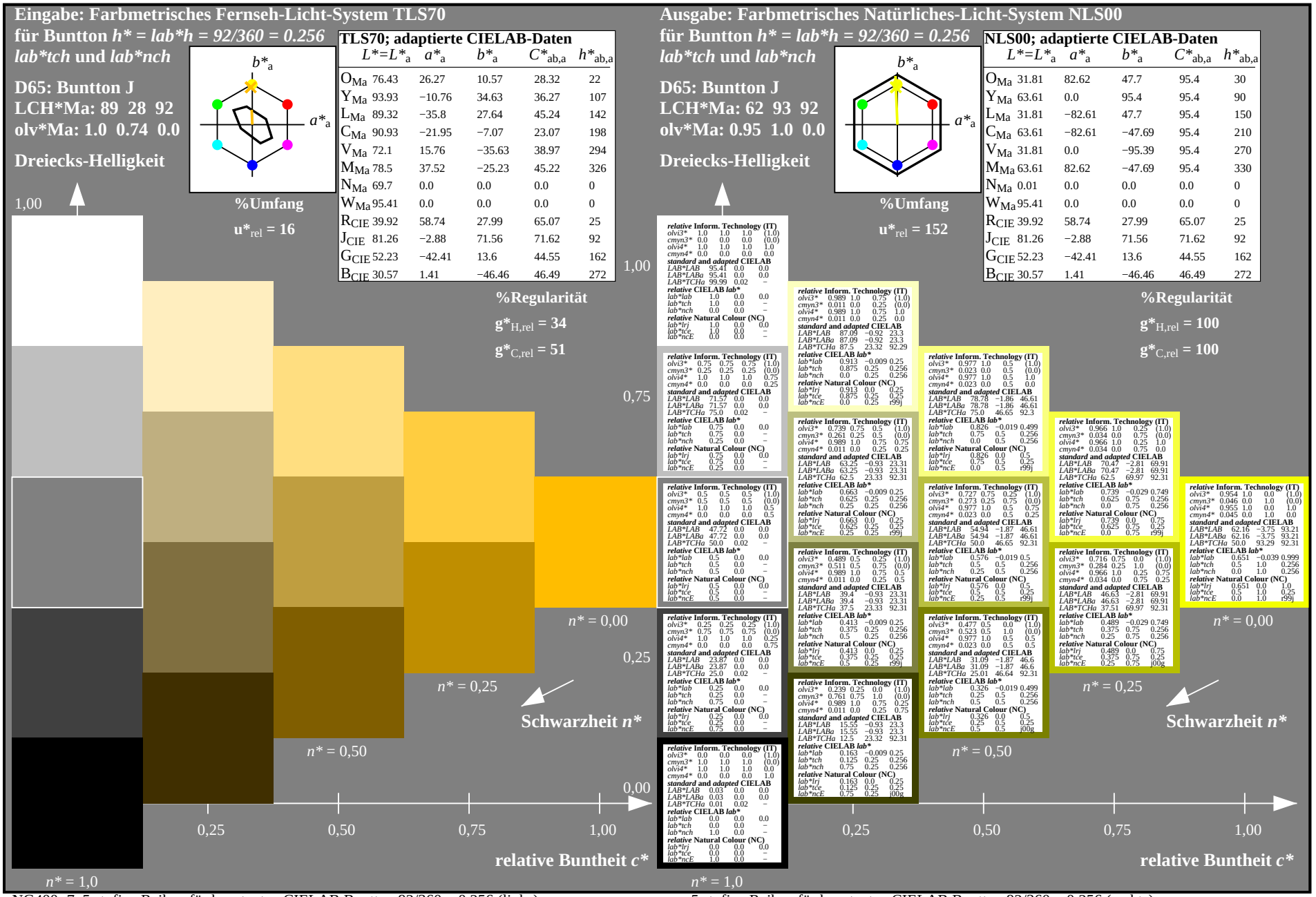
g*H,rel = 22

g*C,rel = 40

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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



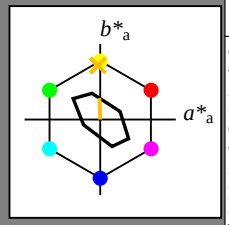
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

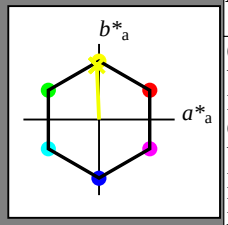
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 68 76 92
olv*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit

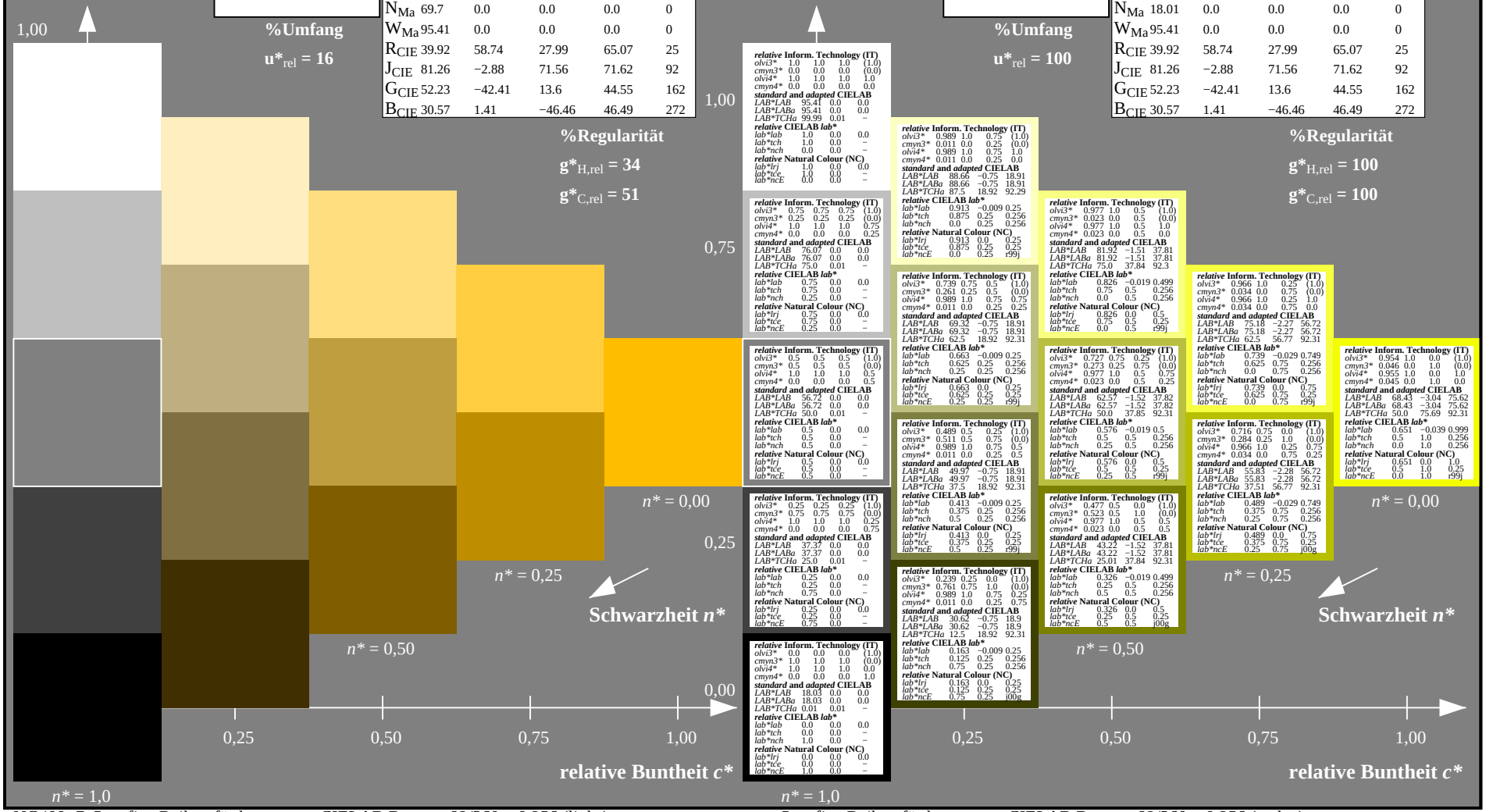


%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



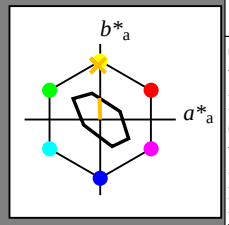
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

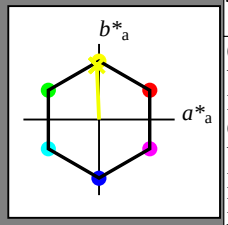
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 92/360 = 0.256***
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

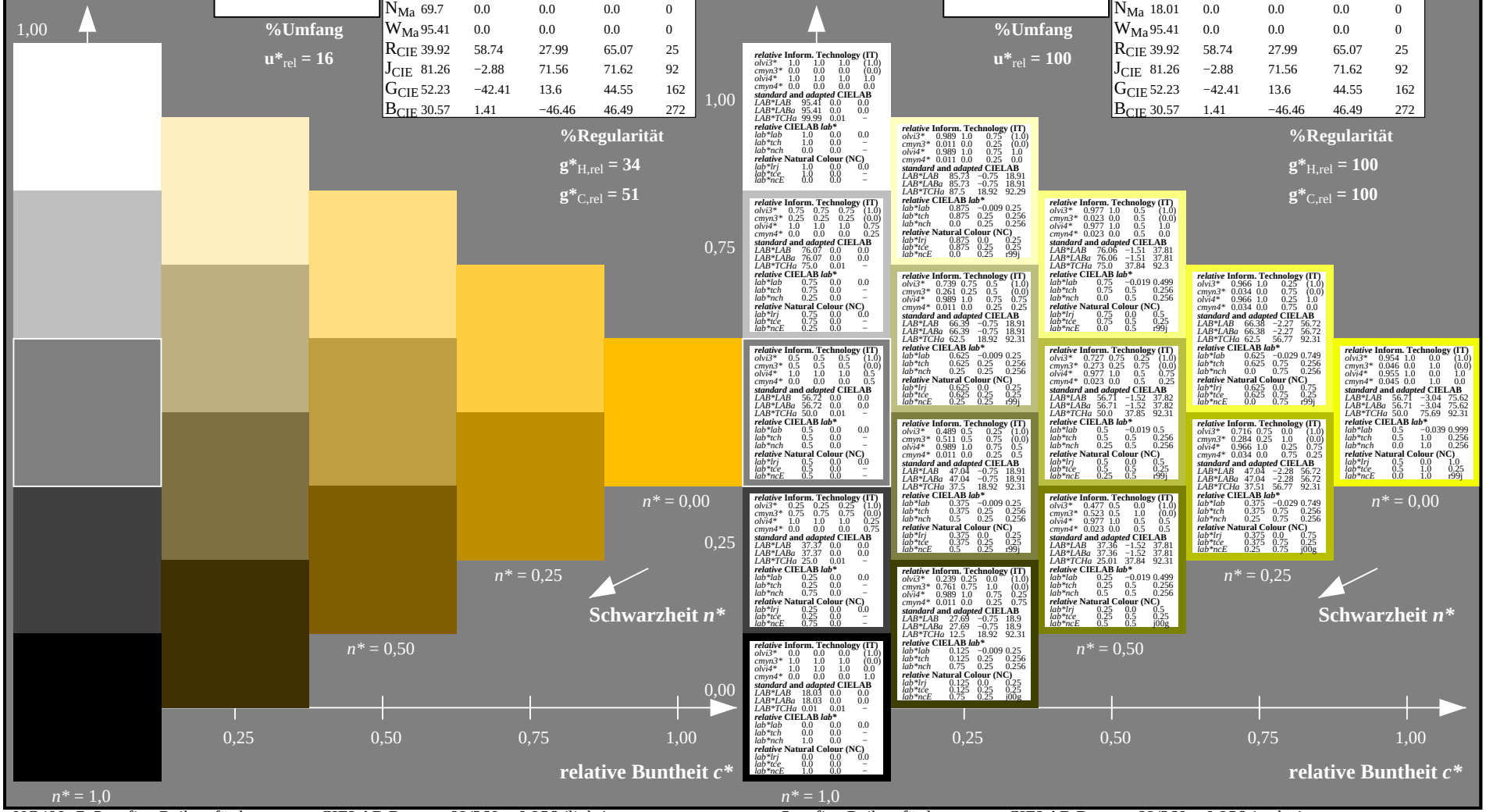
Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



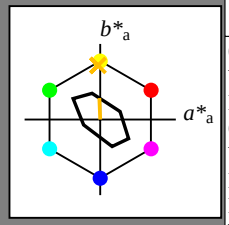
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 92/360 = 0.256*
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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

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

Schwarzheit *n**

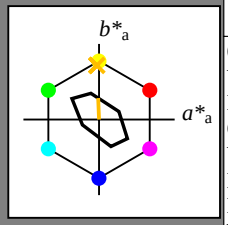
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 92/360 = 0.256*
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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

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

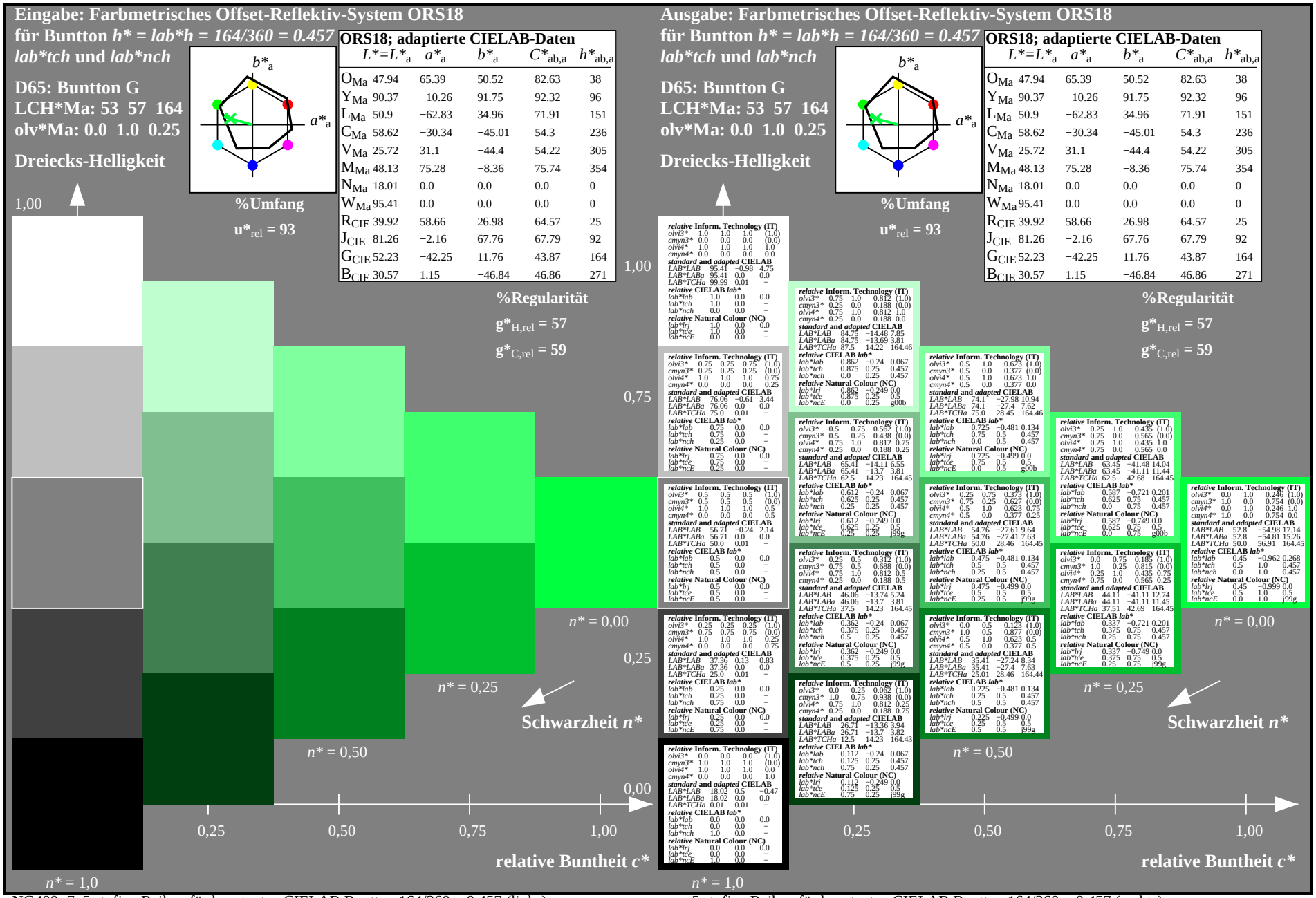
Schwarzheit *n**

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

relative Buntheit *c**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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



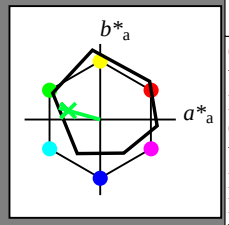
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

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

Eingabe: 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



%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

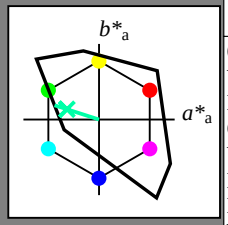
%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

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

Ausgabe: 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



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

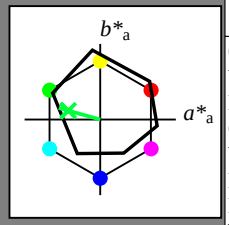
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: 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



%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

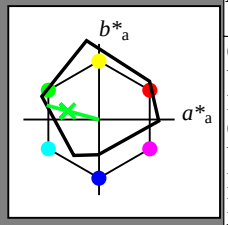
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 165/360 = 0.458***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit

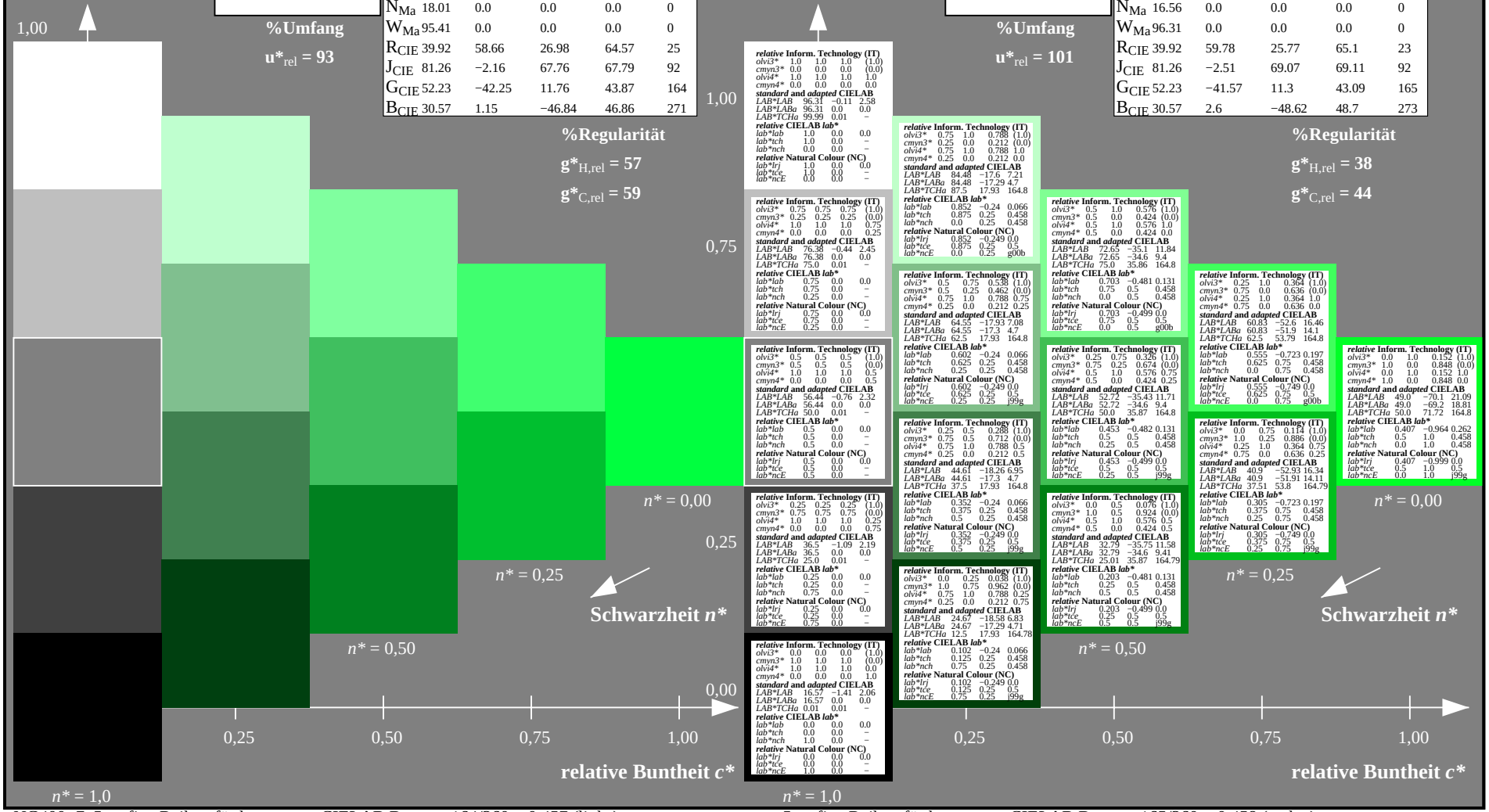


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



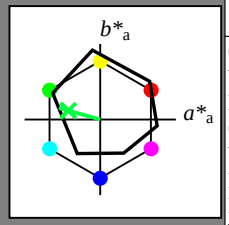
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

Eingabe: 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



%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

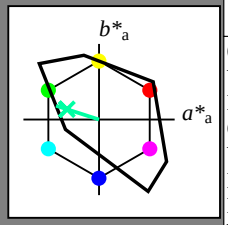
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit

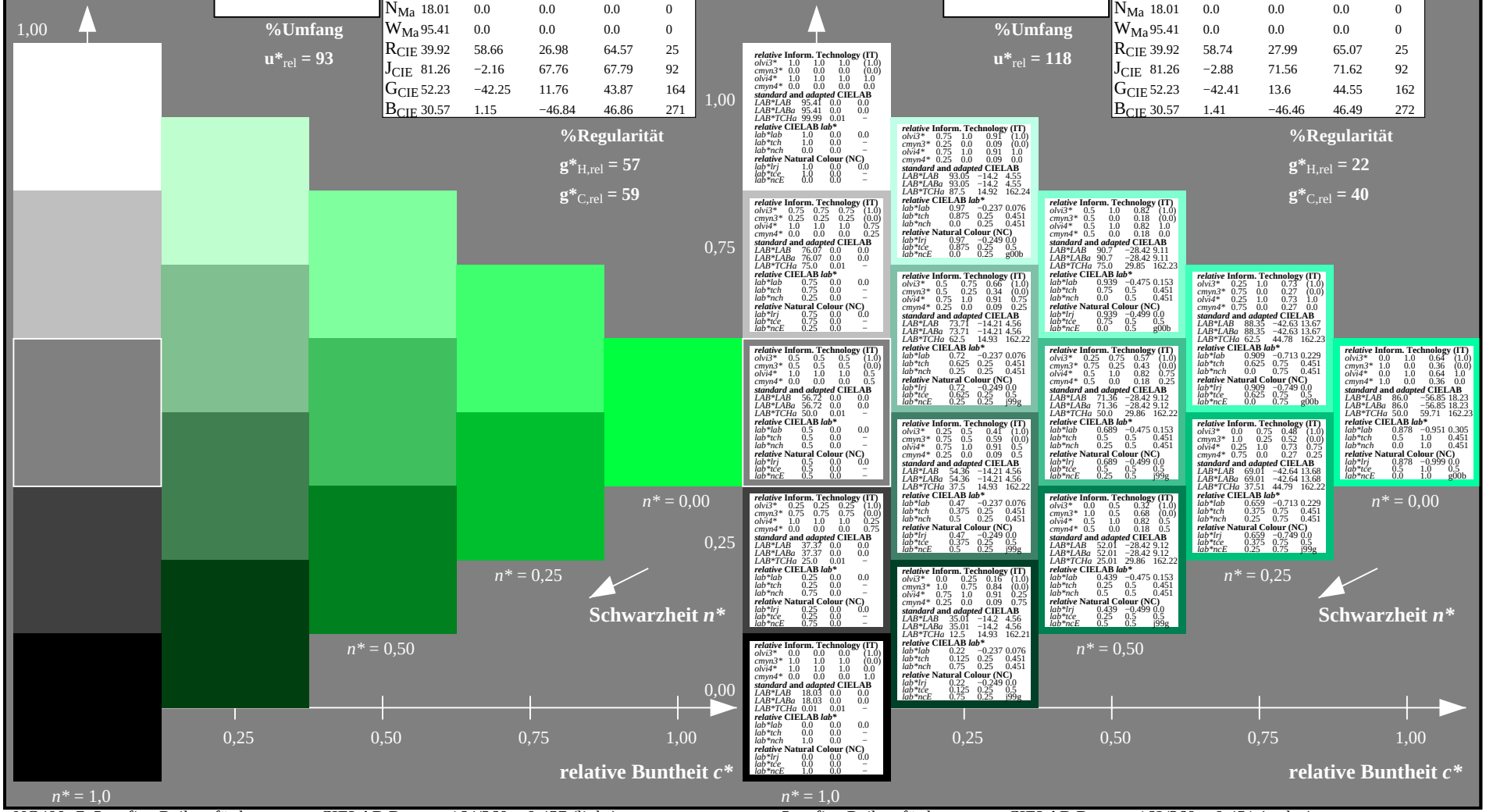


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



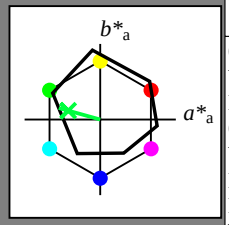
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: 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



%Umfang
u*rel = 93

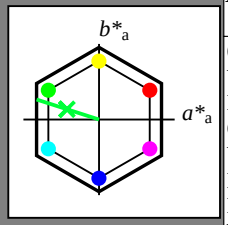
ORS18; adaptierte CIELAB-Daten

	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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

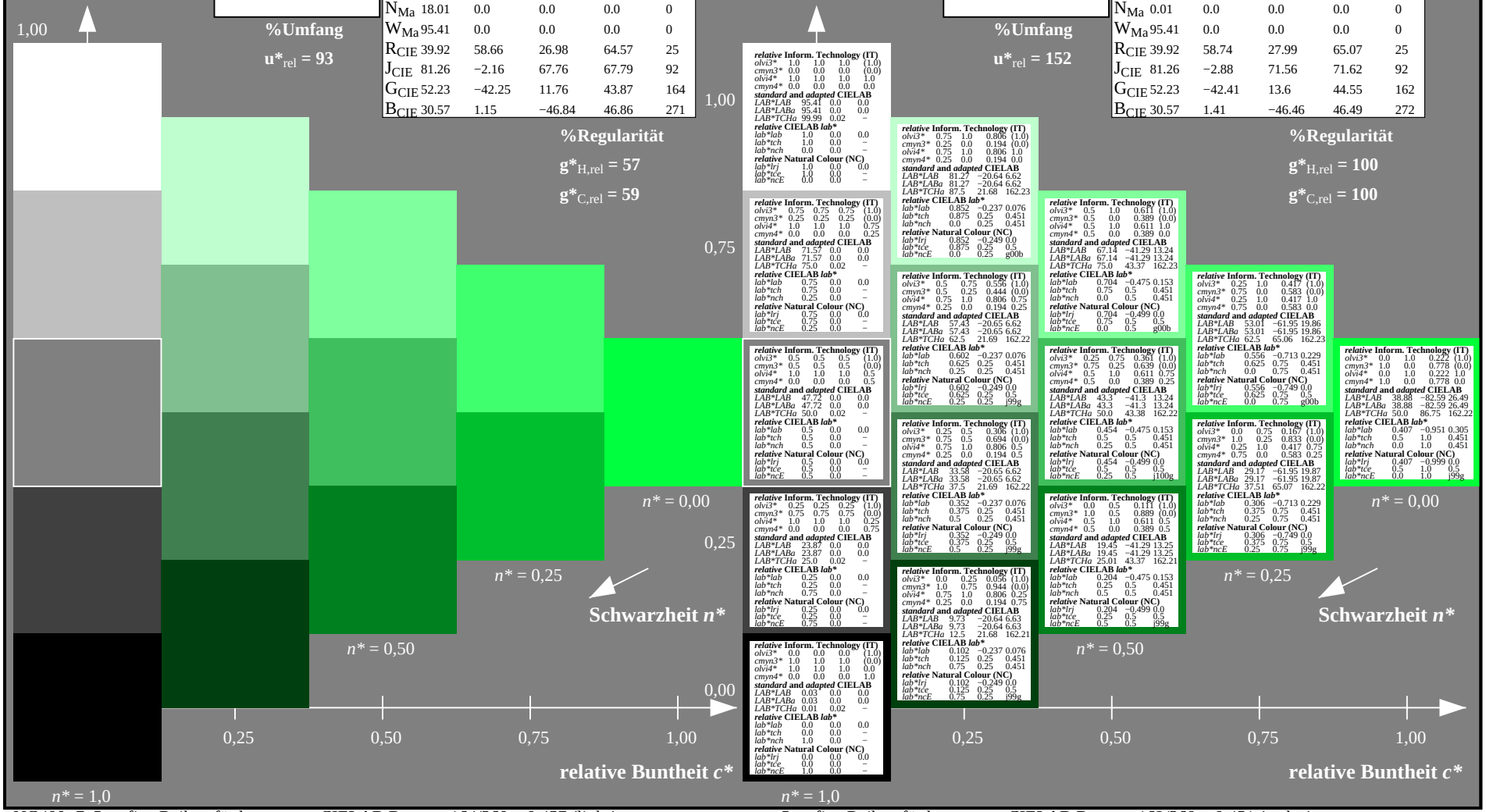
Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



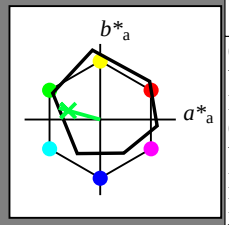
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: 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



%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

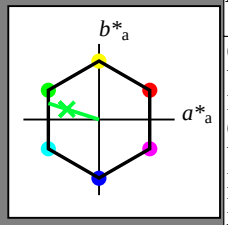
%Regularität
g*H,rel = 57
g*C,rel = 59

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

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

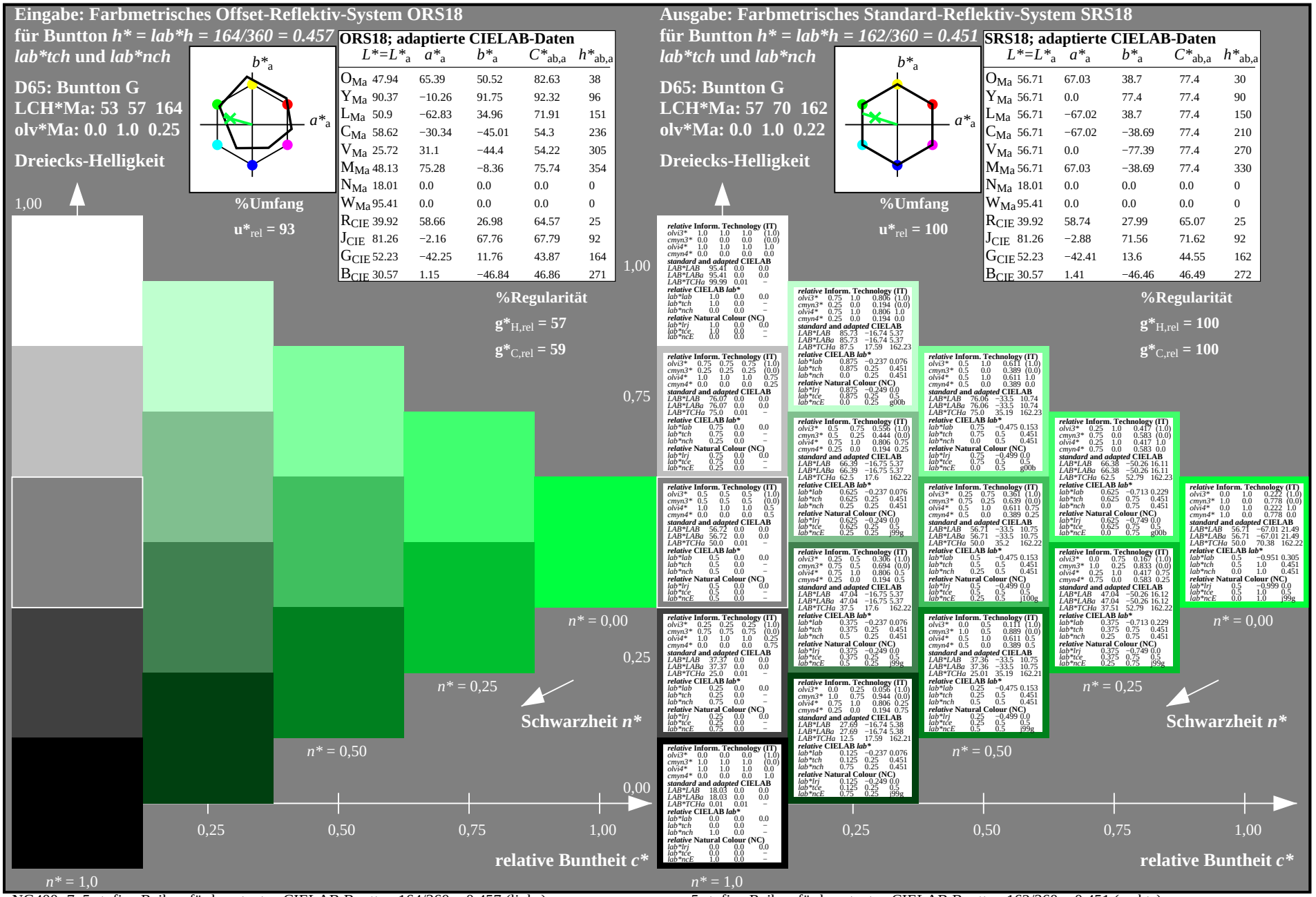
NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)



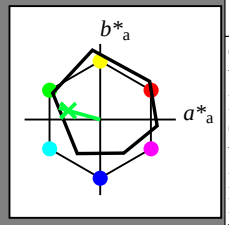
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: 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



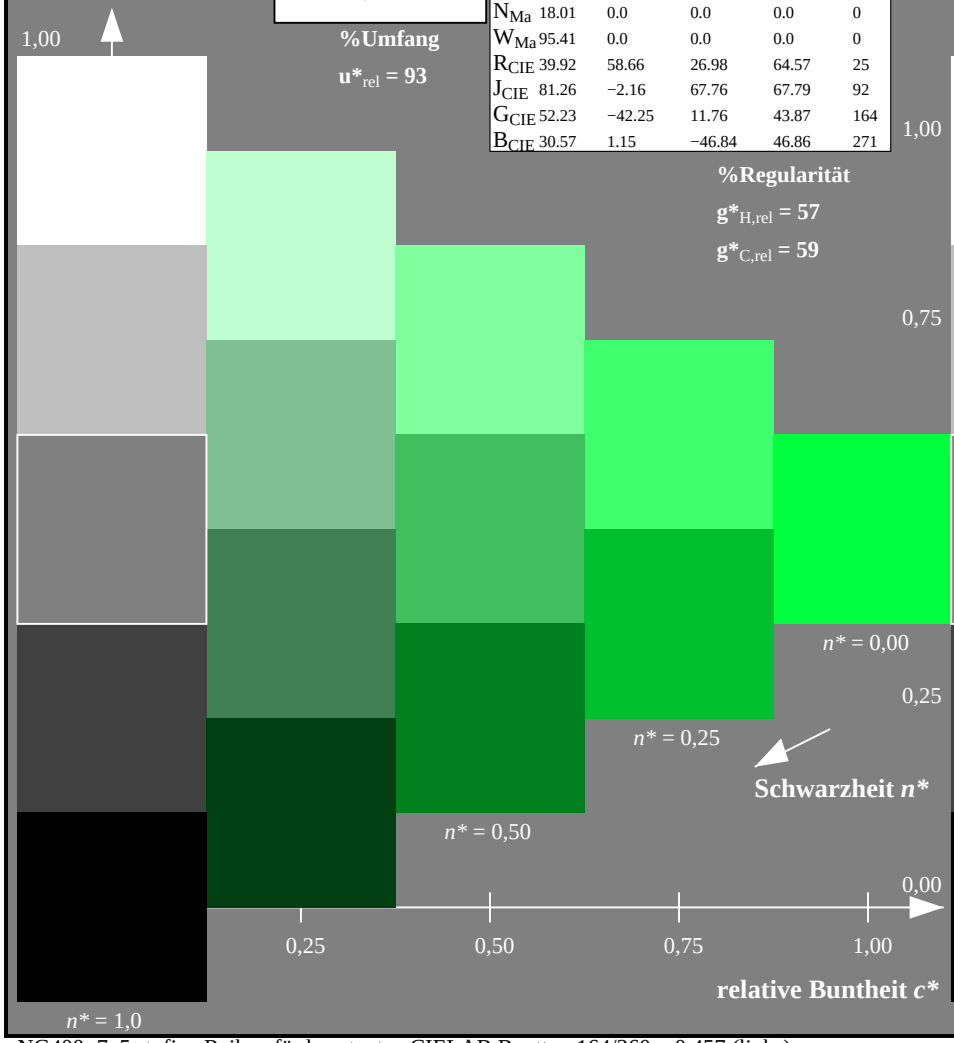
%Umfang
u^*_{rel} = 93

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

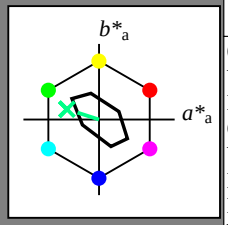
Dreiecks-Helligkeit



Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

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

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53



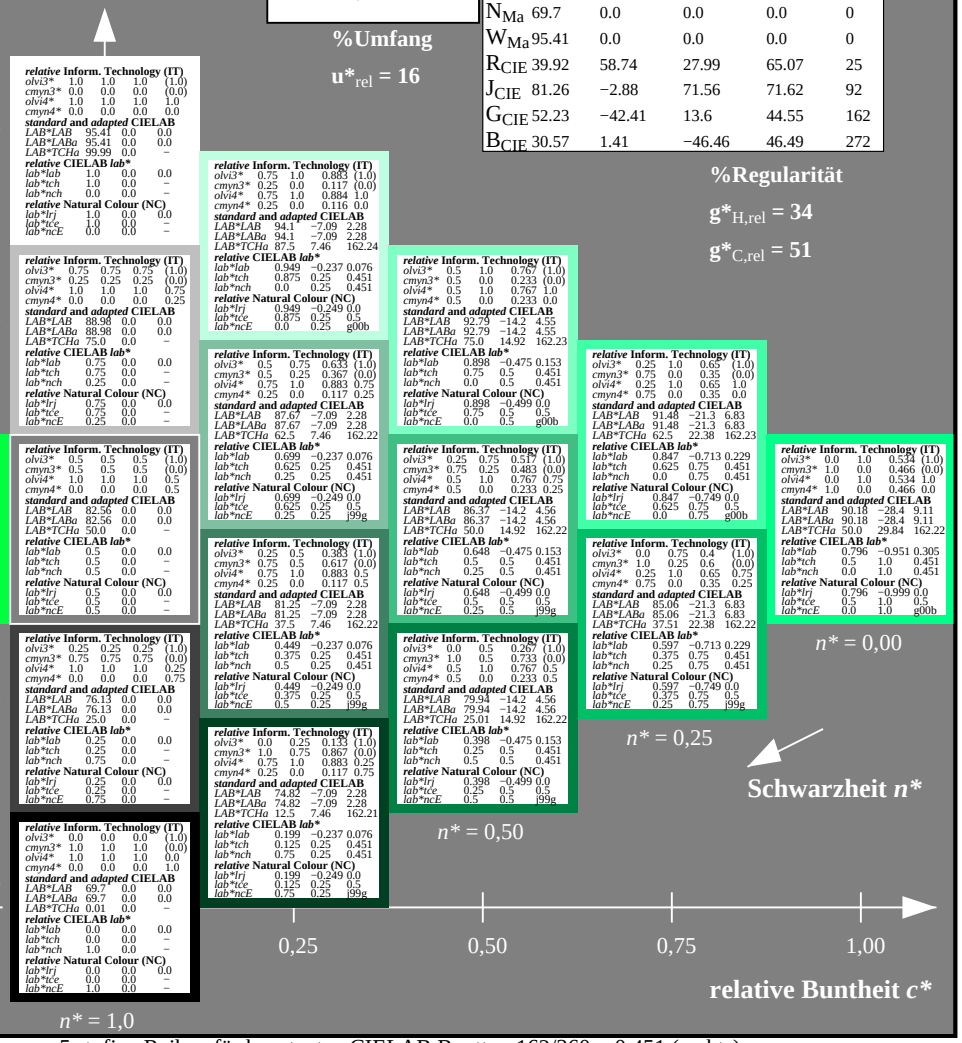
%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Dreiecks-Helligkeit



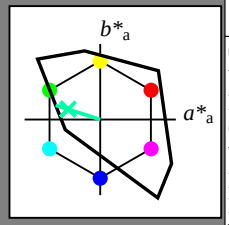
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

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



%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

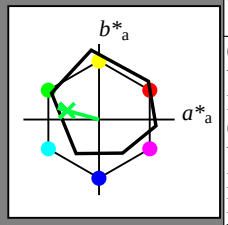
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

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



%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	10.52	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

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

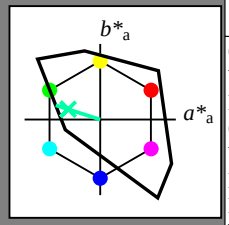
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

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



%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

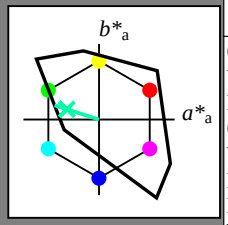
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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 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



%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**

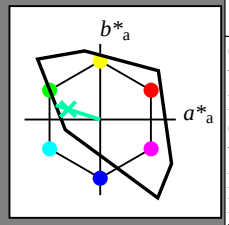
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

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



%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

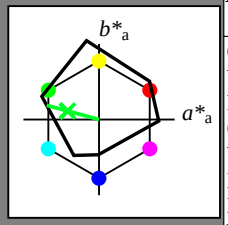
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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

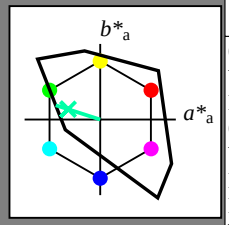
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

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



%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

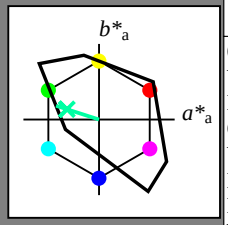
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

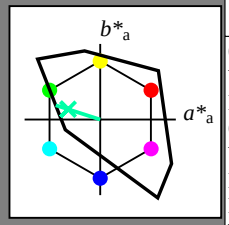
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

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



%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

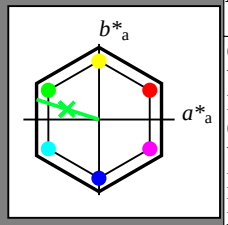
%Regularität
g*$_{H,rel}$ = 20
g*$_{C,rel}$ = 37

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

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

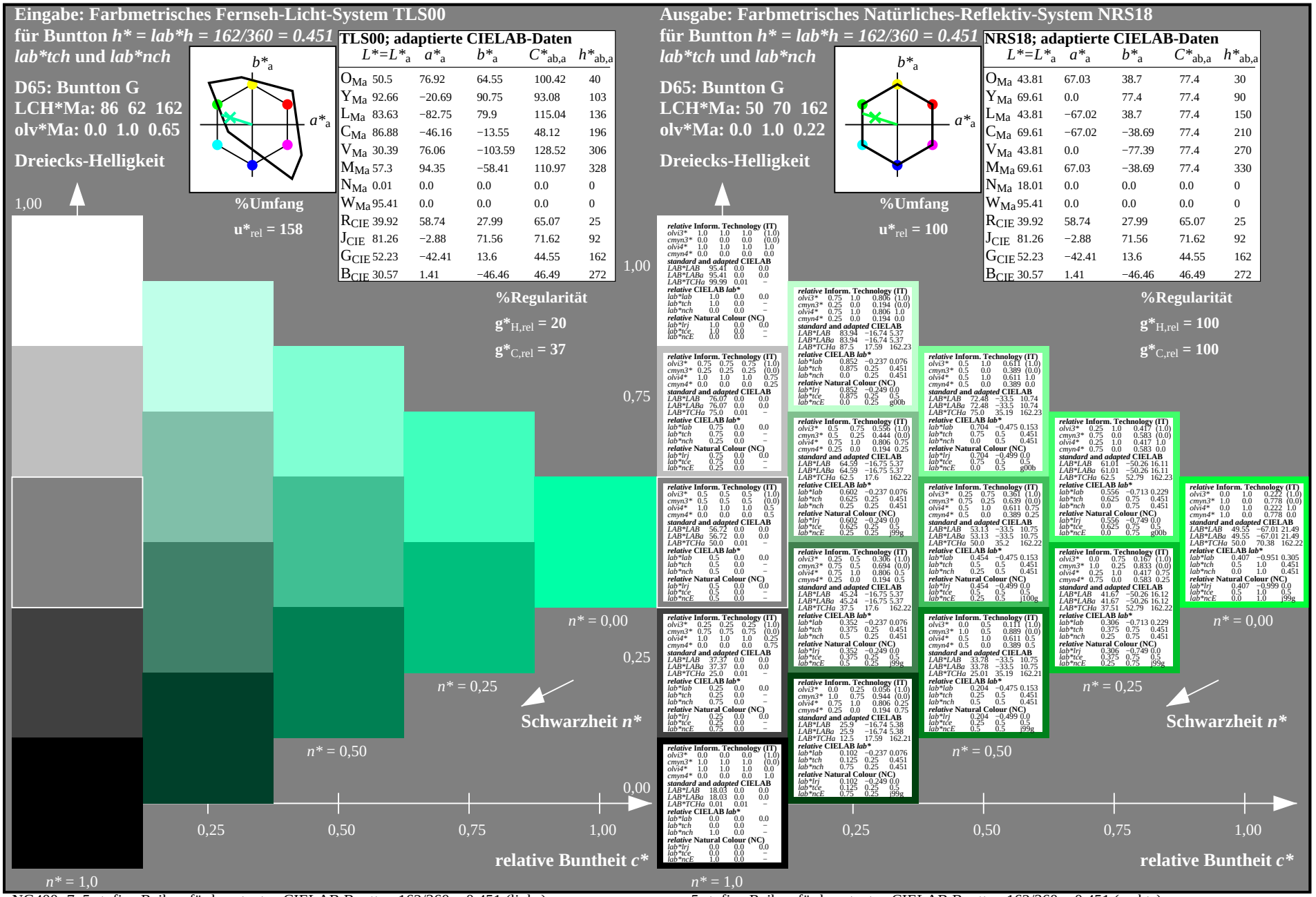
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)



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

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

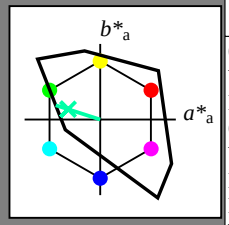
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

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



%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

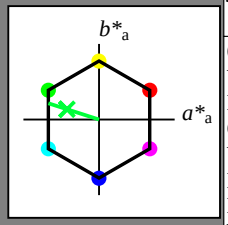
%Regularität
g*H,rel = 20
g*C,rel = 37

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

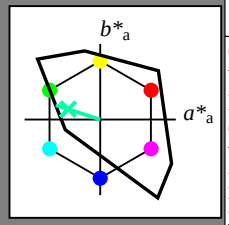
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

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



%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

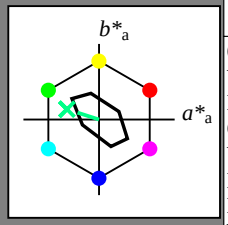
$g^*_{H,rel}$ = 20

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang

u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

$g^*_{H,rel}$ = 34

$g^*_{C,rel}$ = 51

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

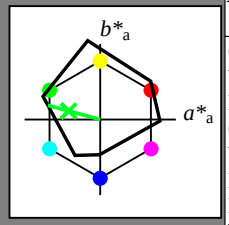
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

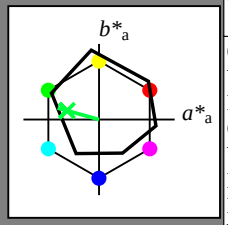
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

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



%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

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**

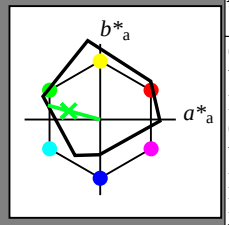
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

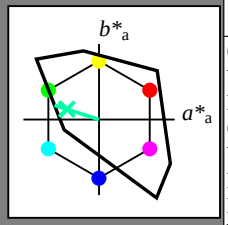
g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44

Ausgabe: 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



%Umfang

u*$_{rel}$ = 158

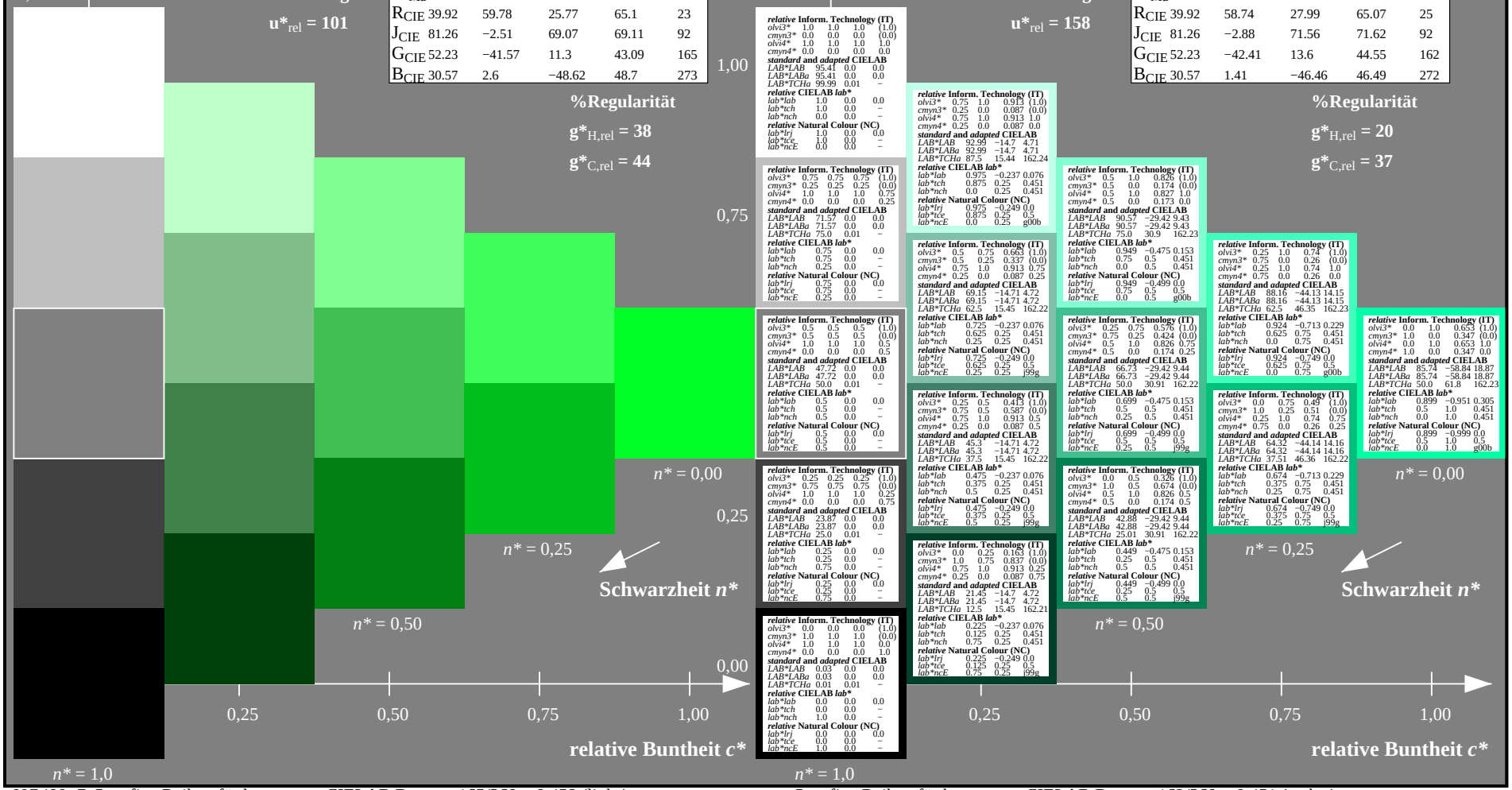
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



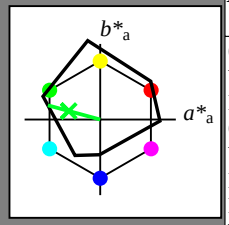
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit

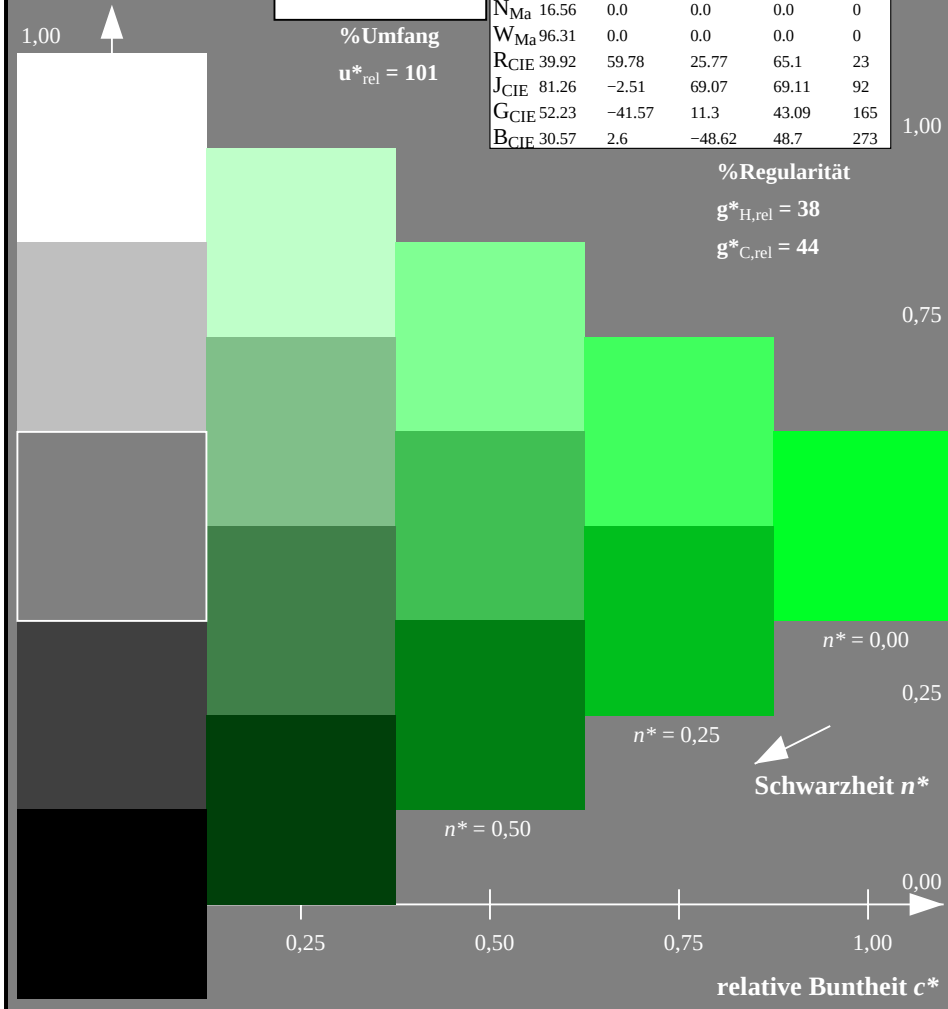


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

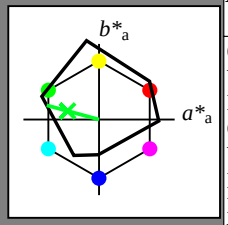
%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit

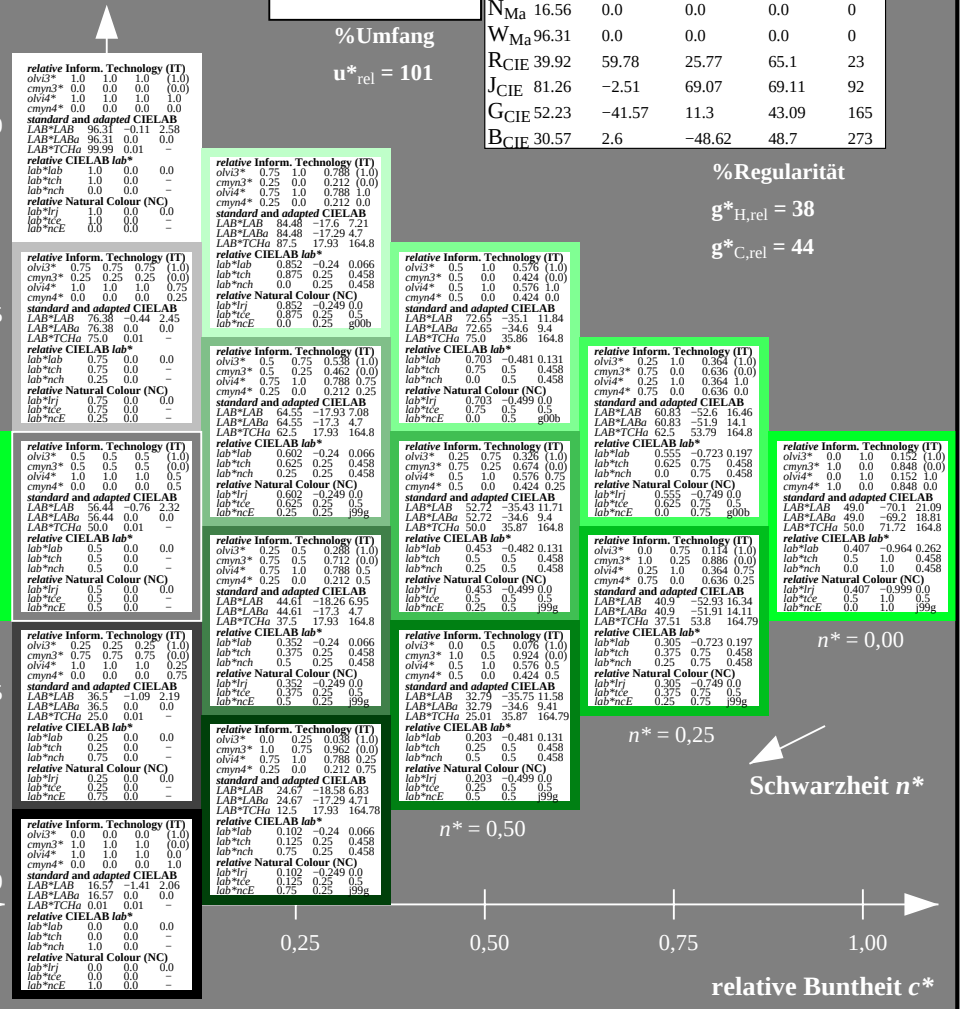


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



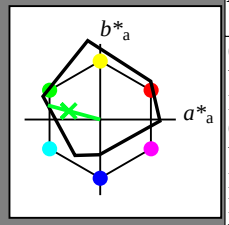
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

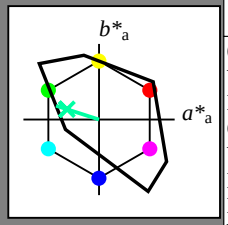
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit

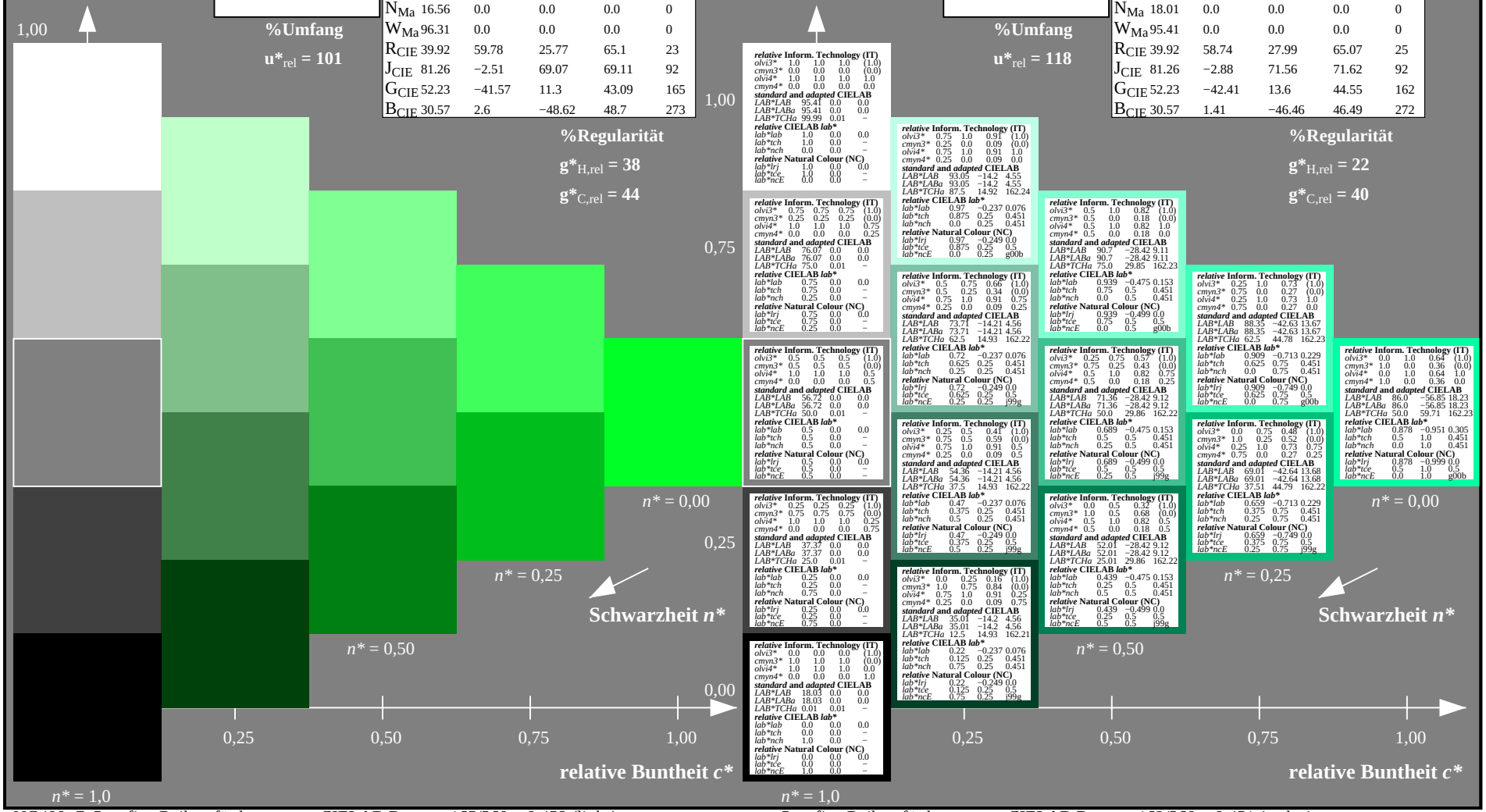


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



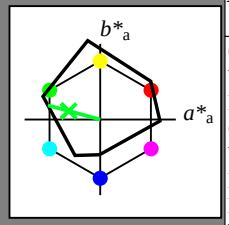
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

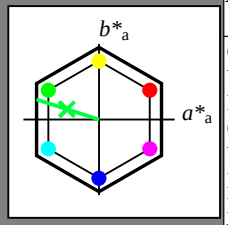
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit

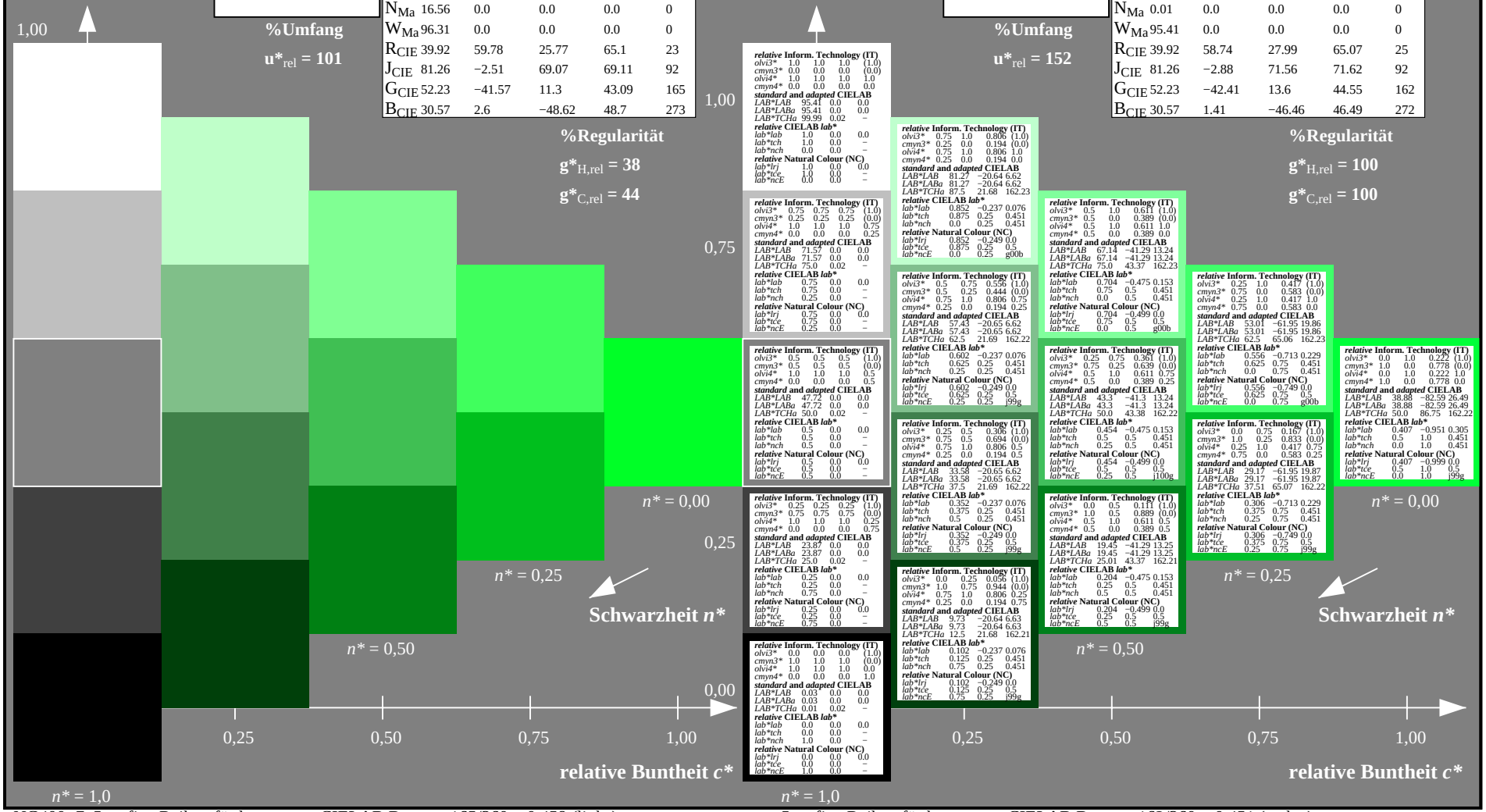


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



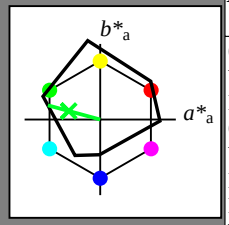
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

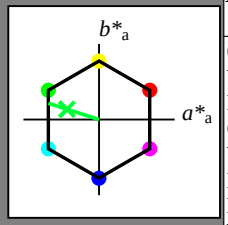
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit

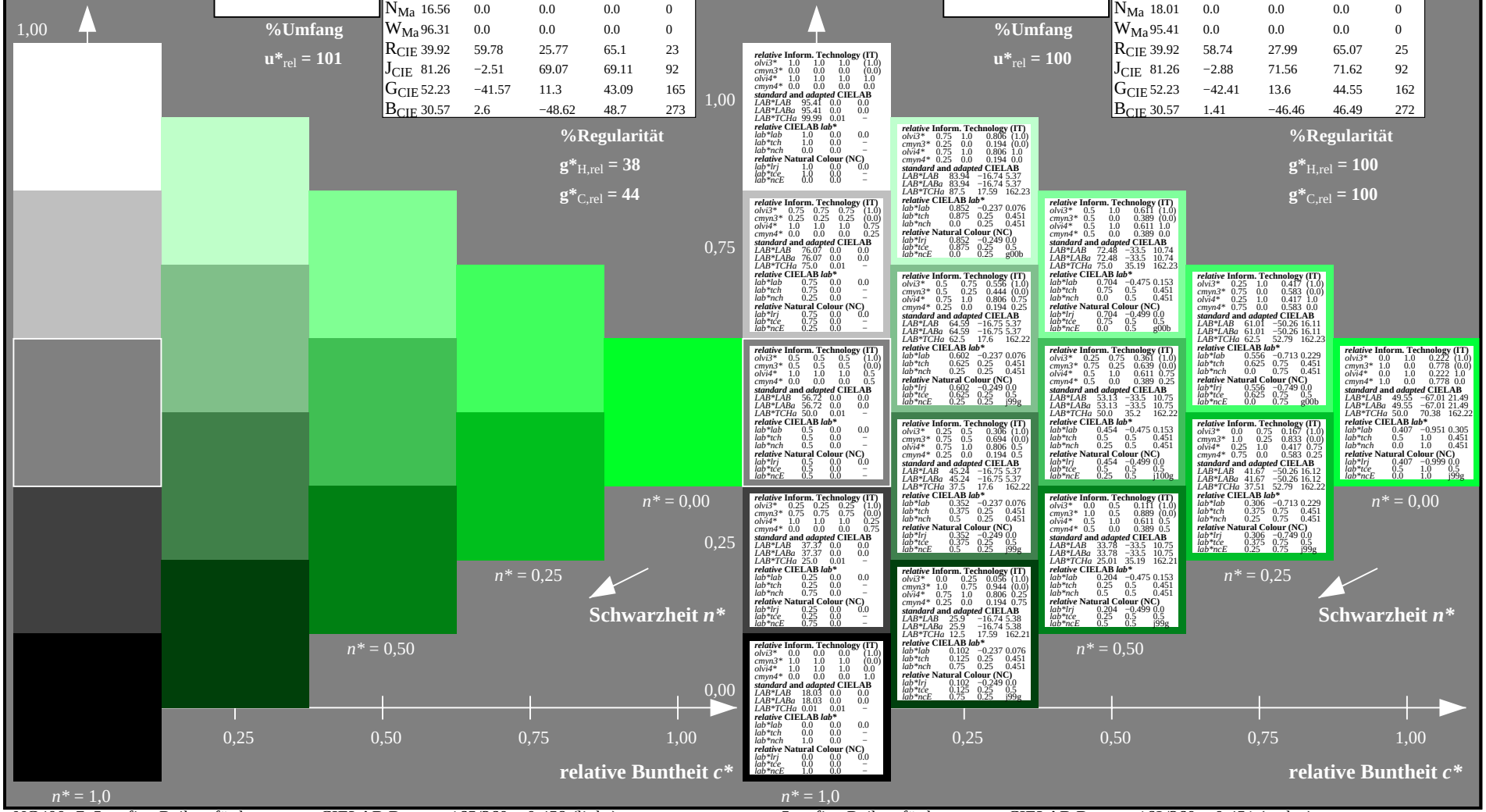


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



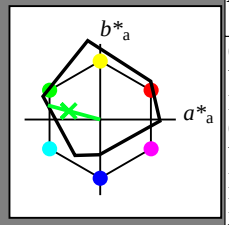
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

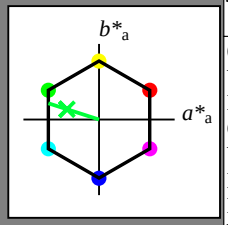
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit

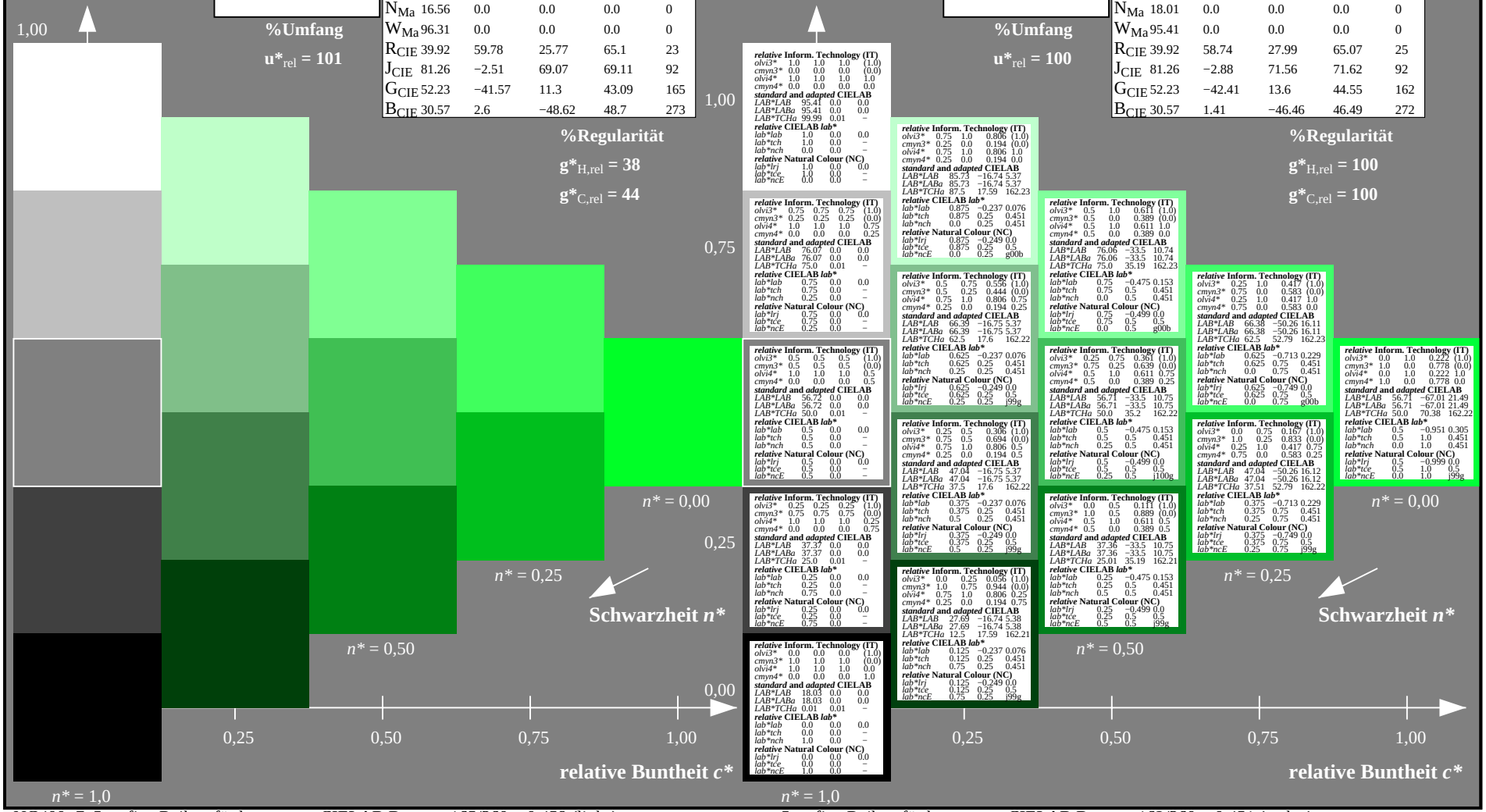


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



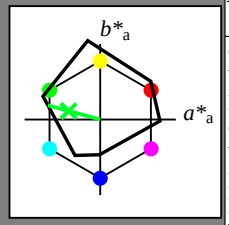
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität

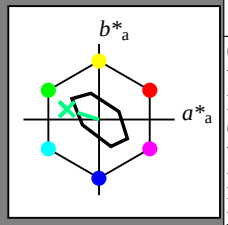
g*$_{H,rel}$ = 38

g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

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**

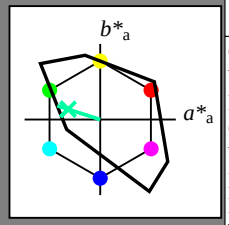
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

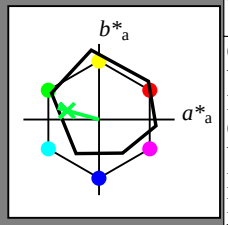
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

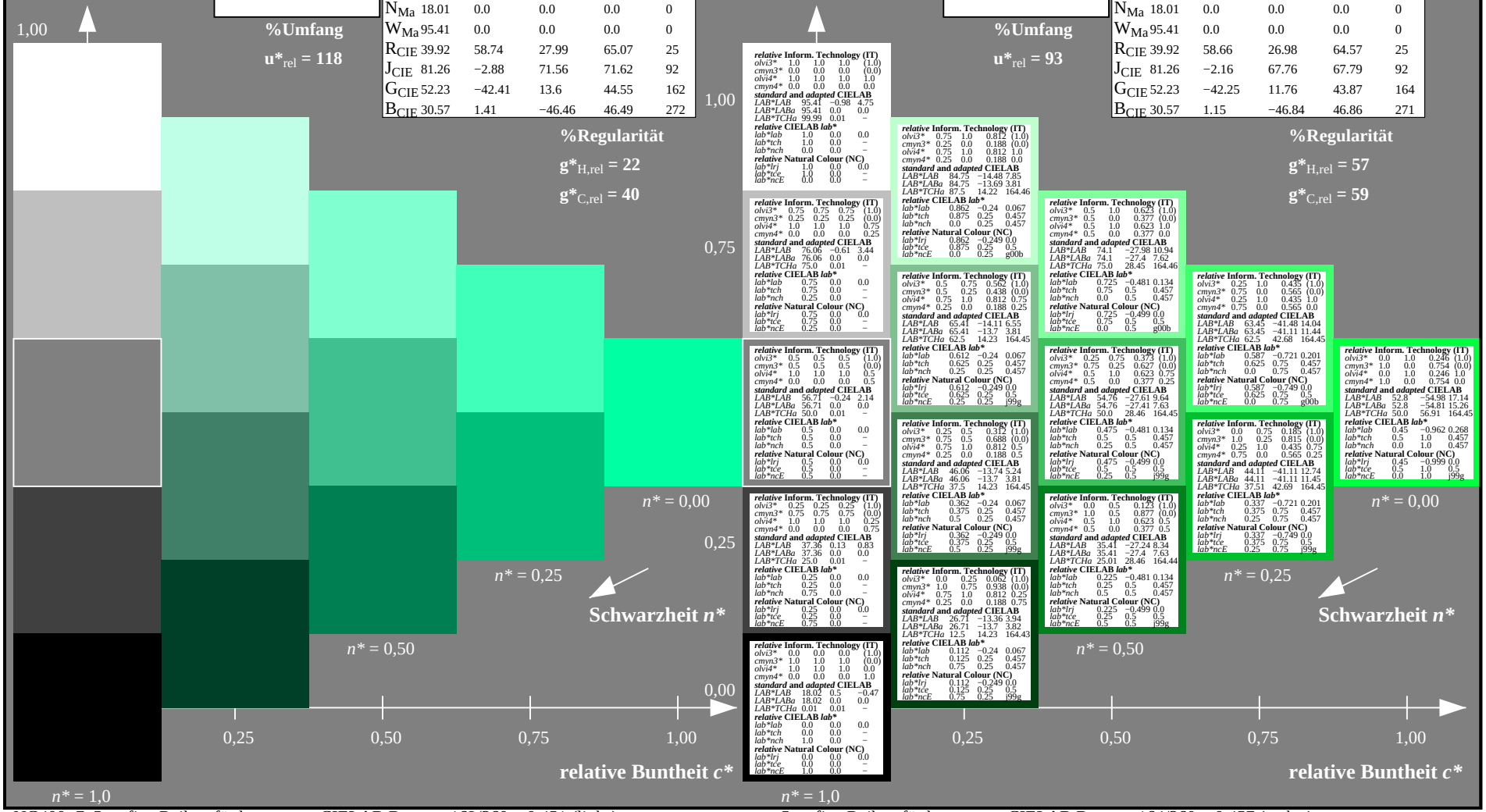


%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

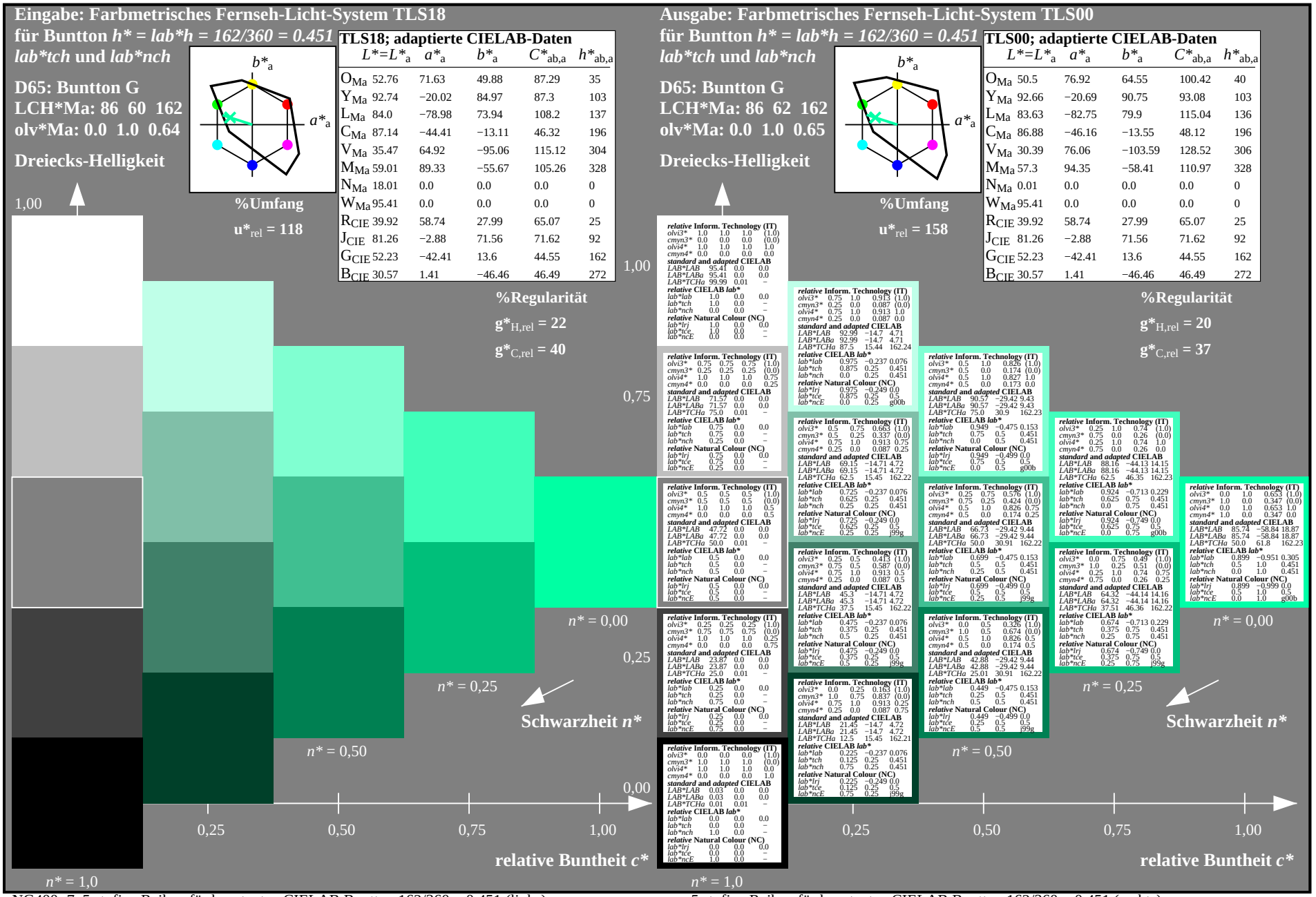
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

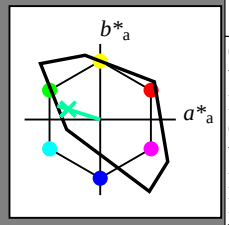
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

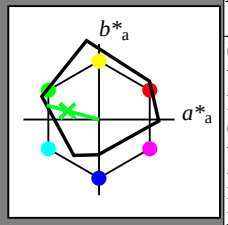
Schwarzheit *n**

relative Buntheit *c**

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 165/360 = 0.458***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

Schwarzheit *n**

relative Buntheit *c**

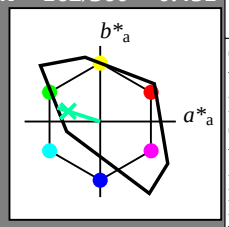
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

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

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

Schwarzheit *n**

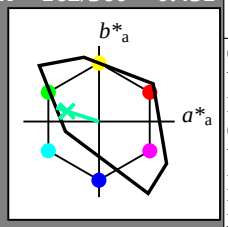
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

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**

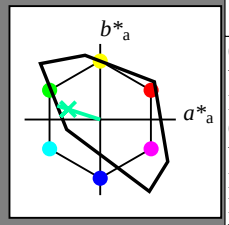
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*rel = 118

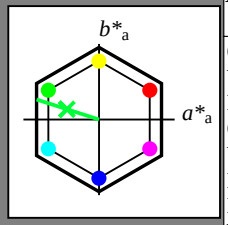
TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

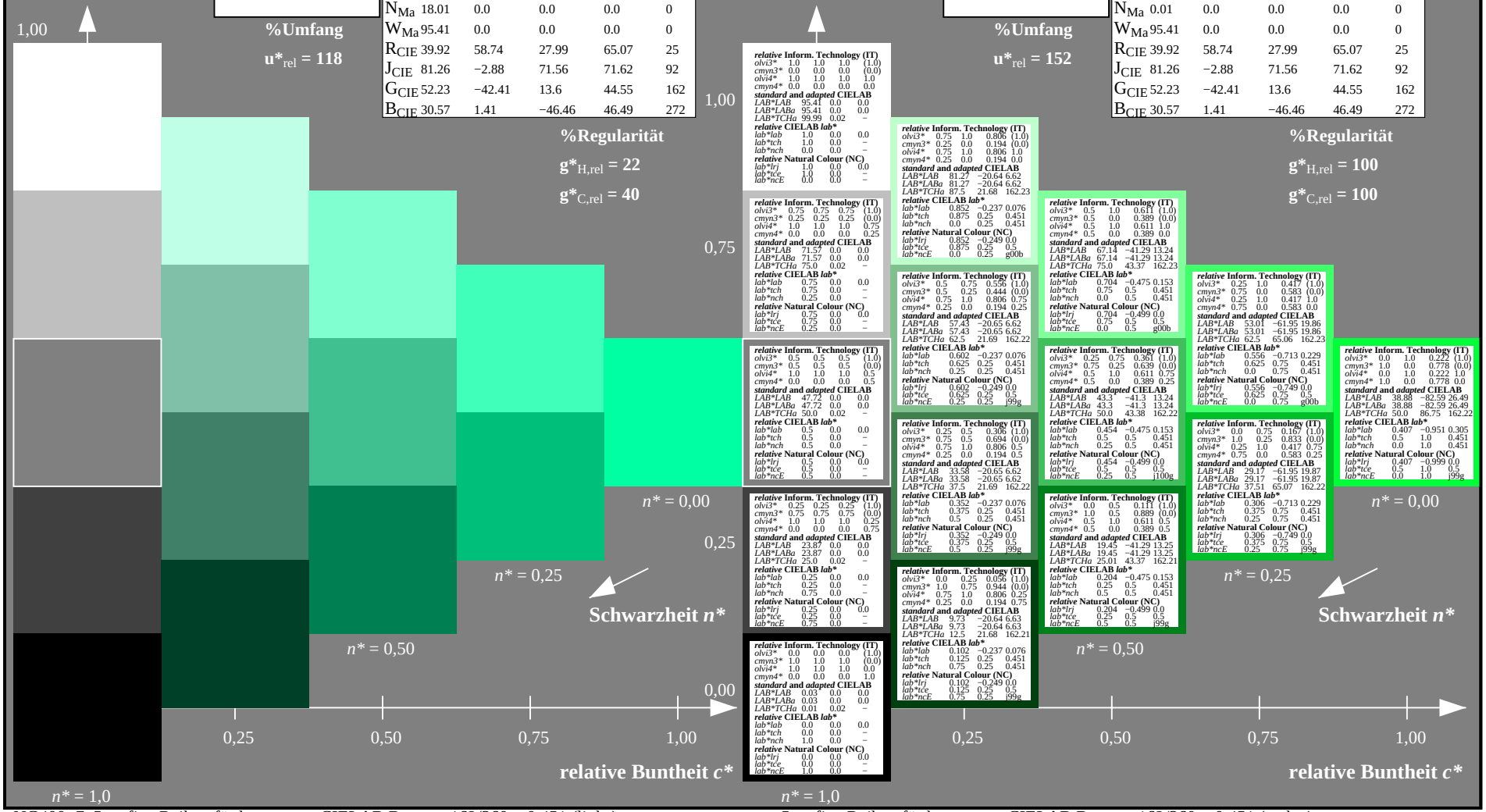
Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



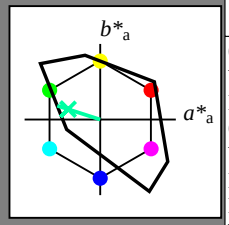
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang

u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 22

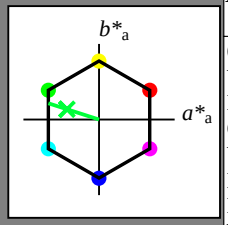
g*C,rel = 40

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang

u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

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**

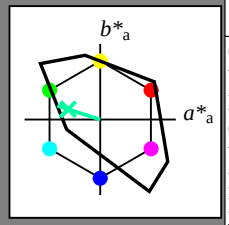
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

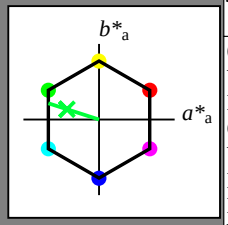
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit

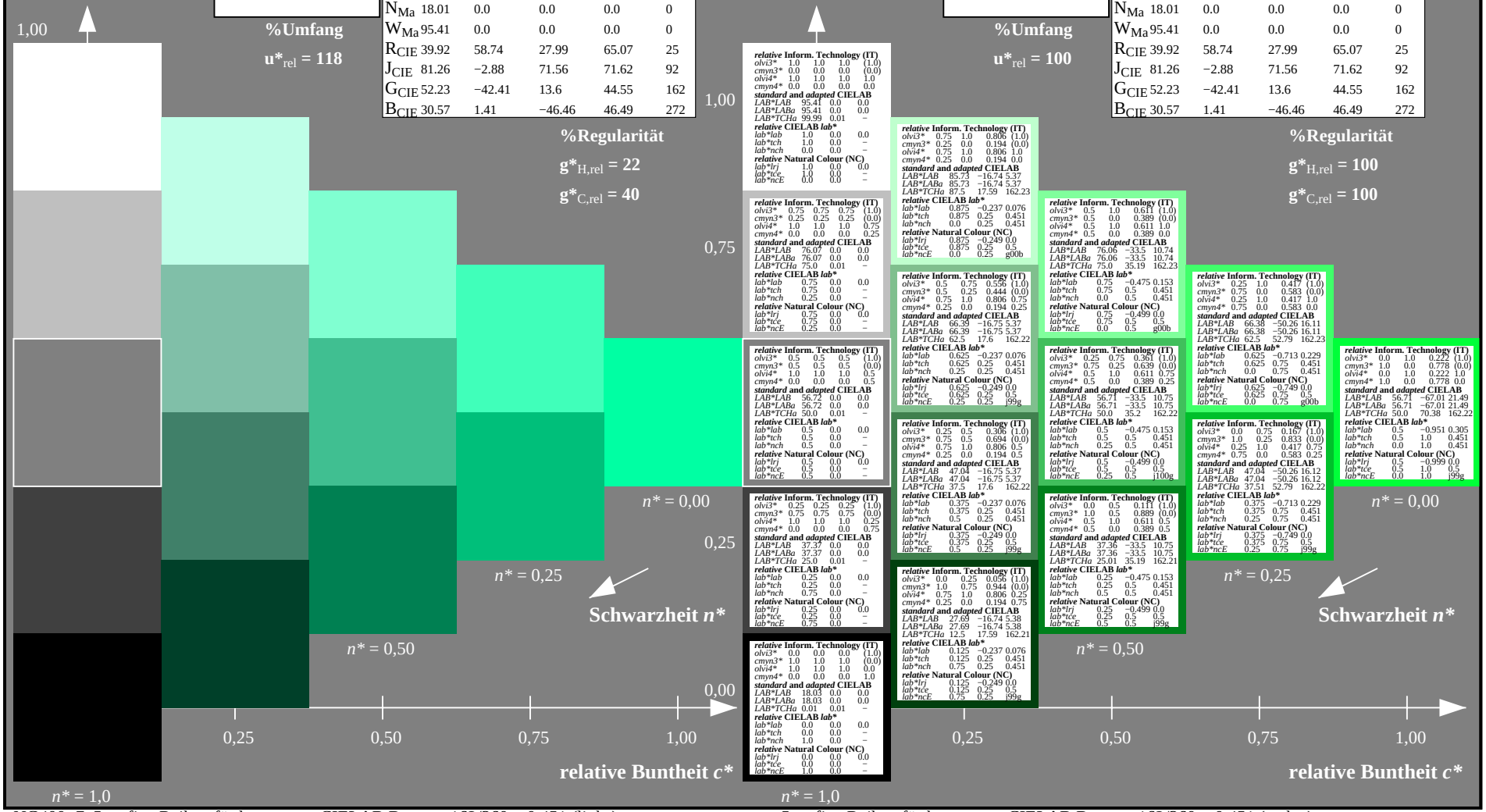


%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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



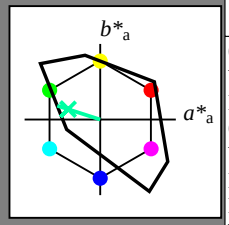
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64



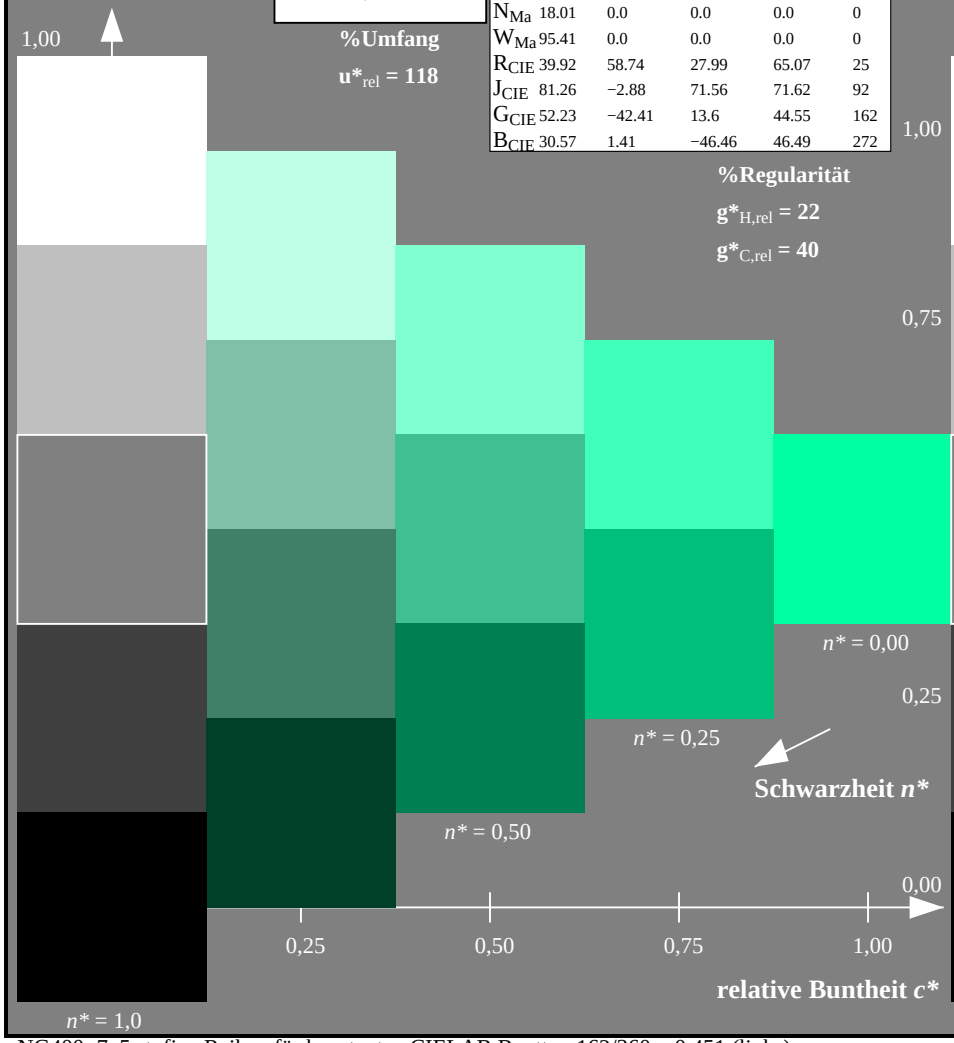
%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

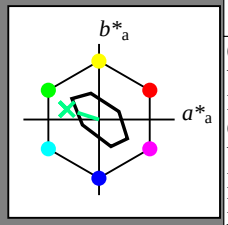
Dreiecks-Helligkeit



Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

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

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53



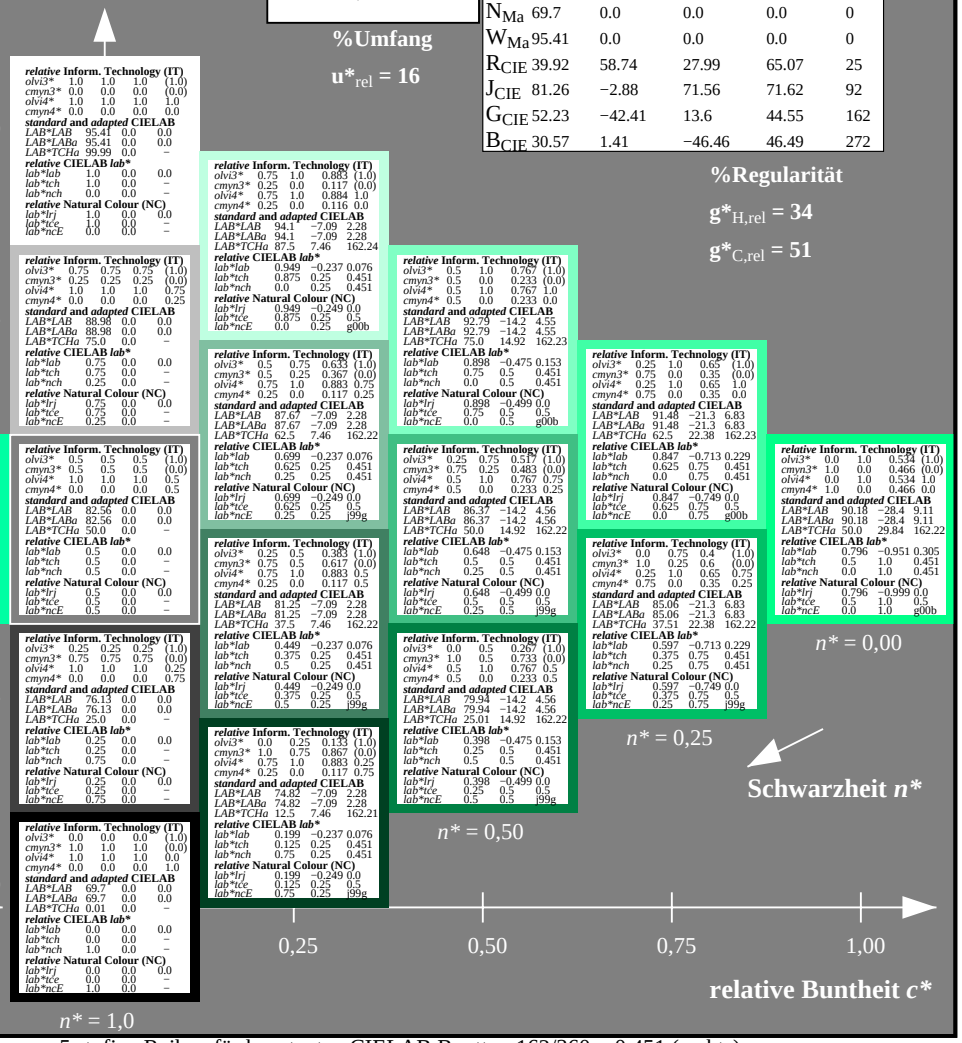
%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Dreiecks-Helligkeit



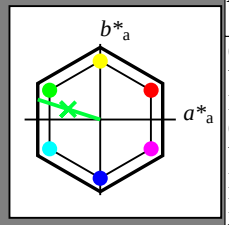
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

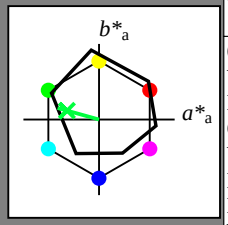
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

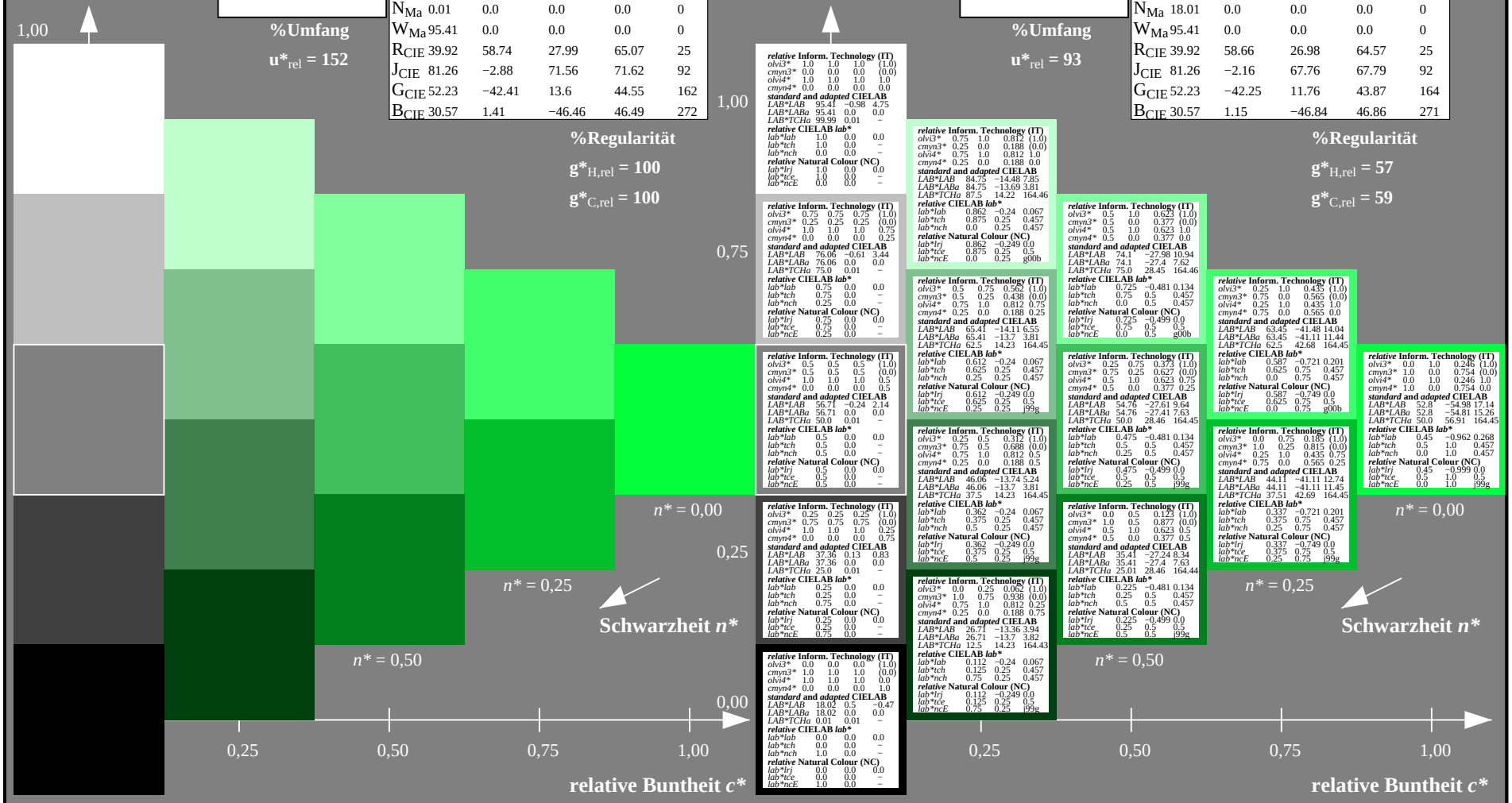


%Umfang
u*rel = 93

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



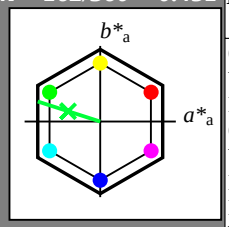
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

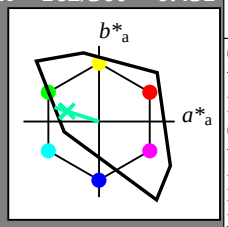
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: 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

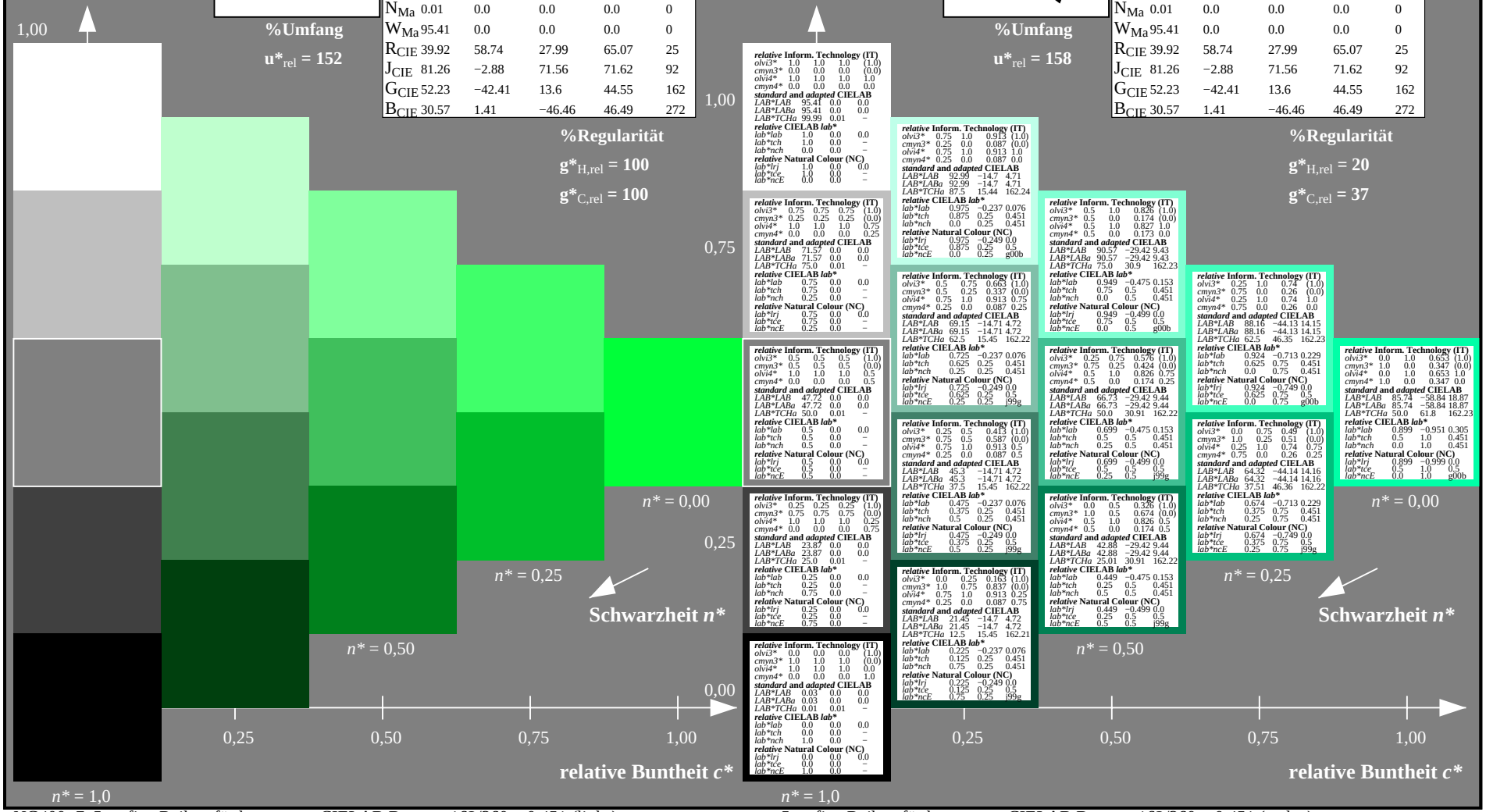


%Umfang
u*$_{rel}$ = 158

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



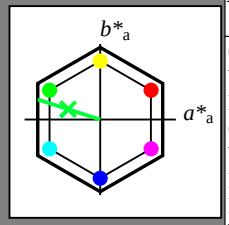
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

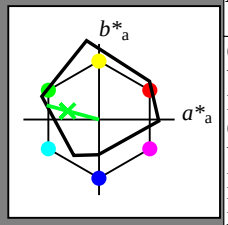
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 165/360 = 0.458***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit

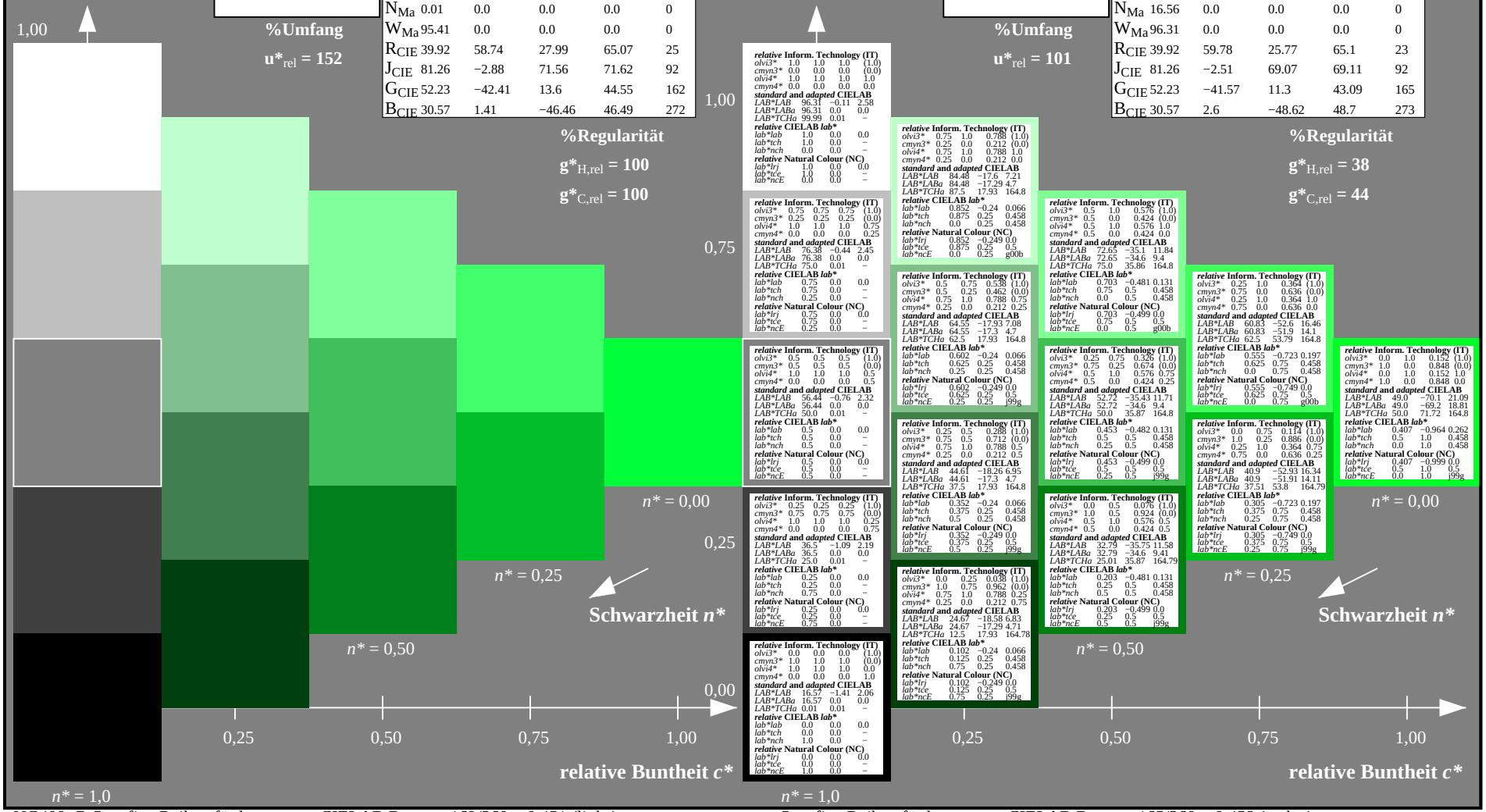


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



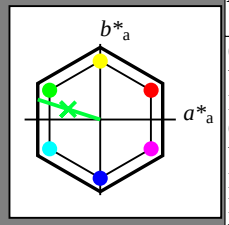
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

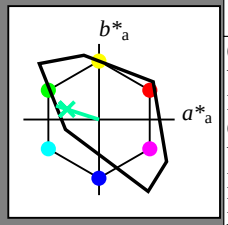
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

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

Schwarzheit *n**

relative Buntheit *c**

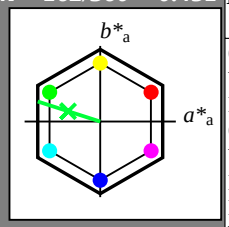
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

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

Schwarzheit *n**

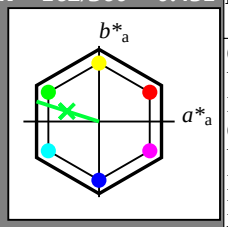
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit

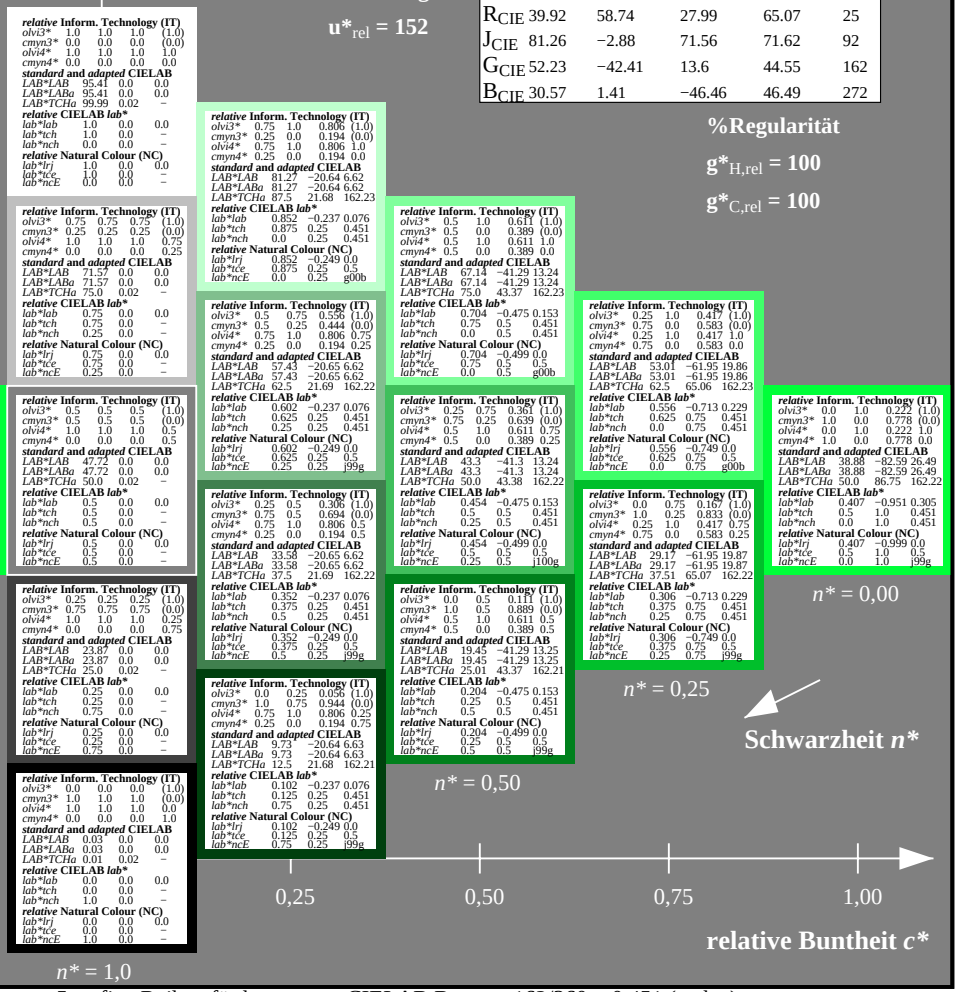


%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



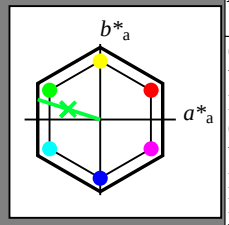
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

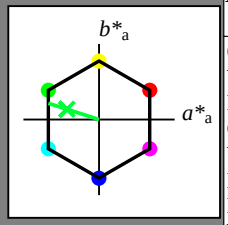
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit

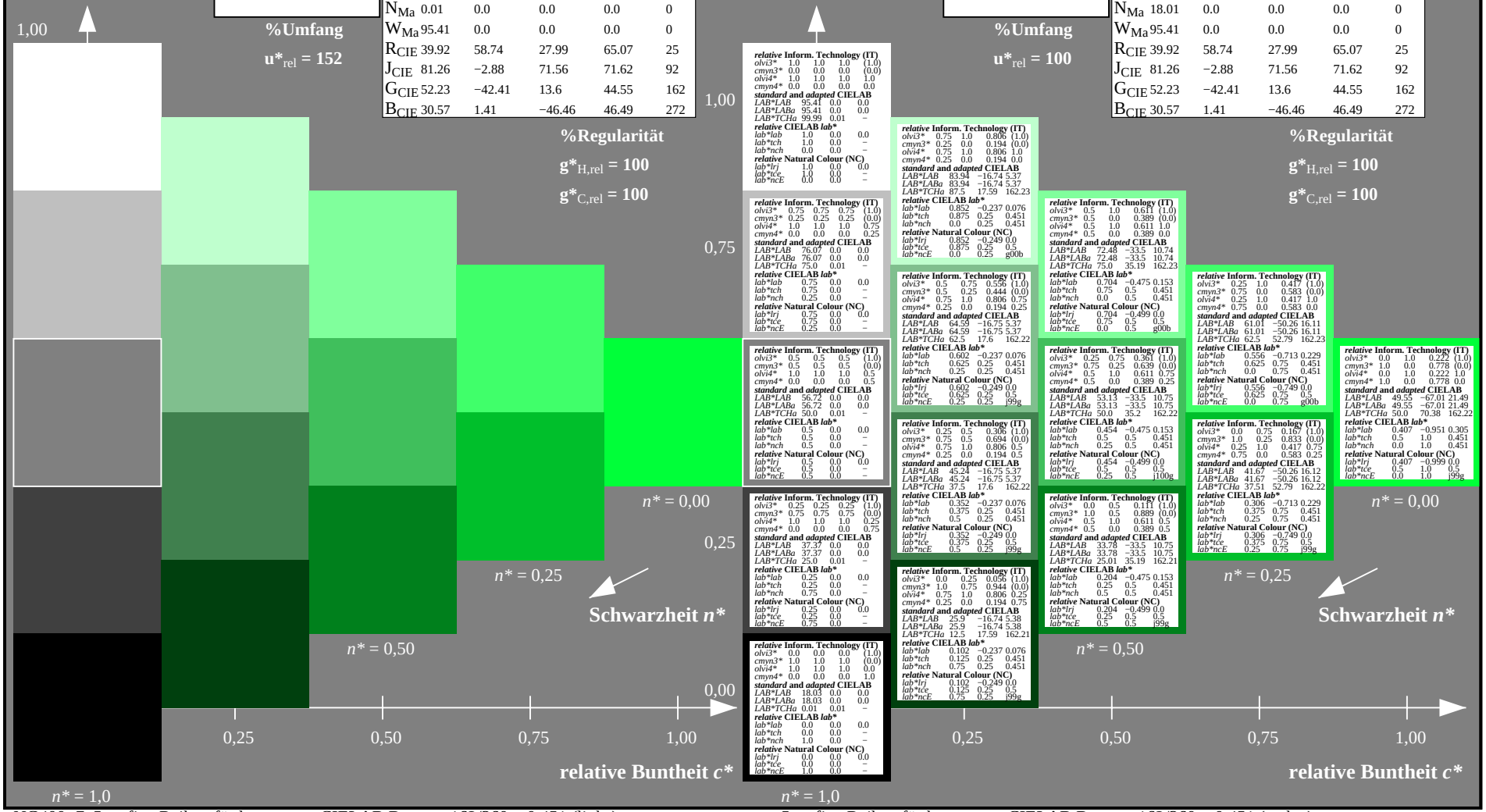


%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



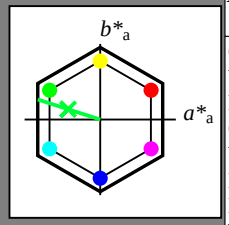
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

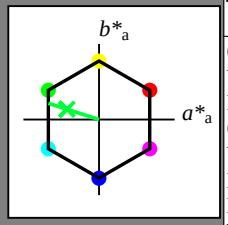
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit

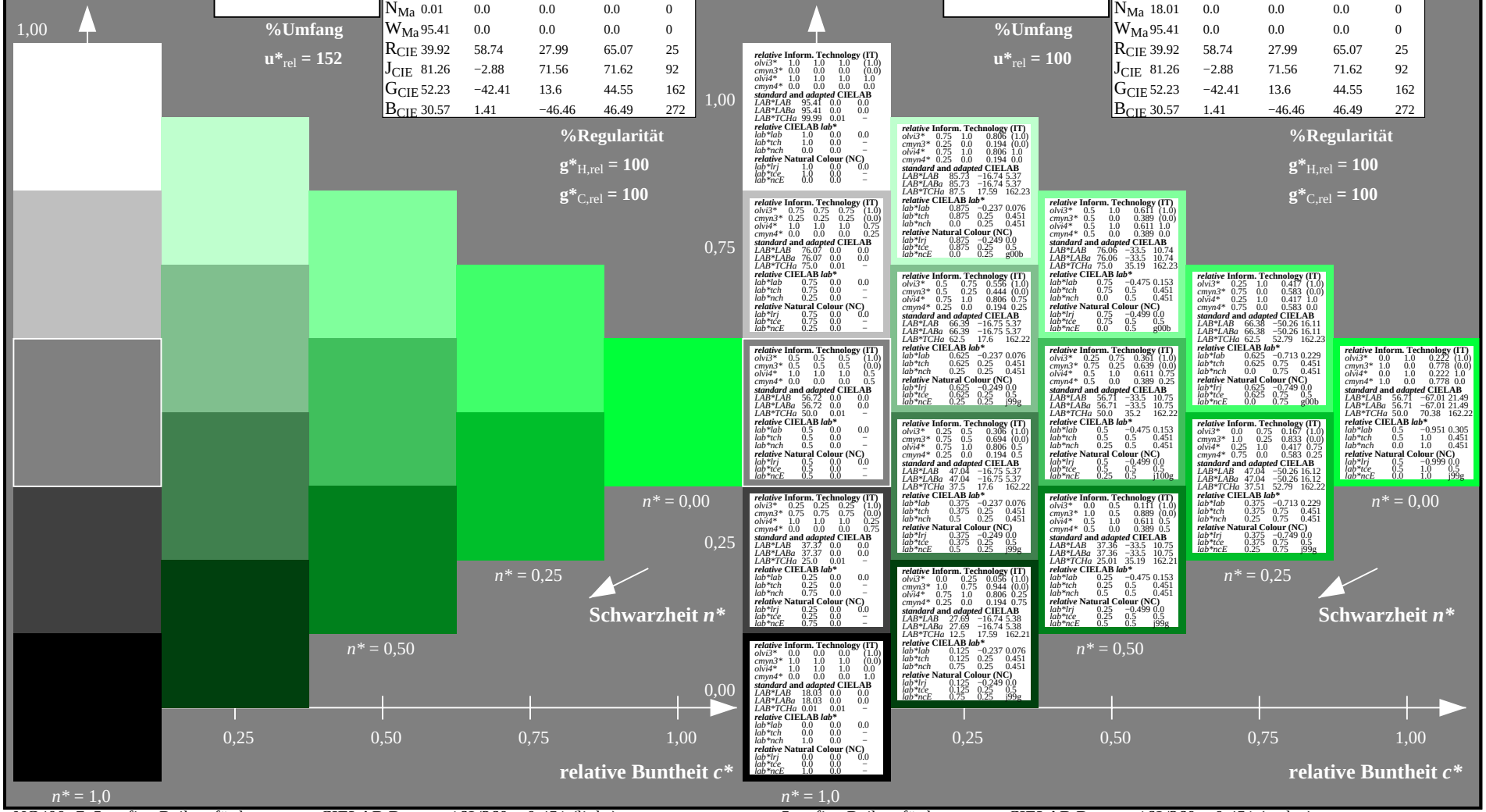


%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100



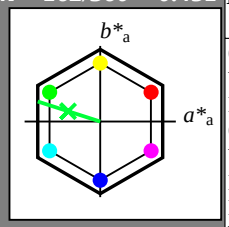
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 152

NLS00; adaptierte CIELAB-Daten

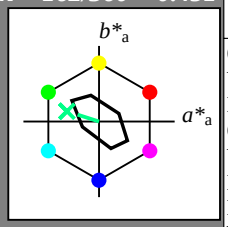
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit

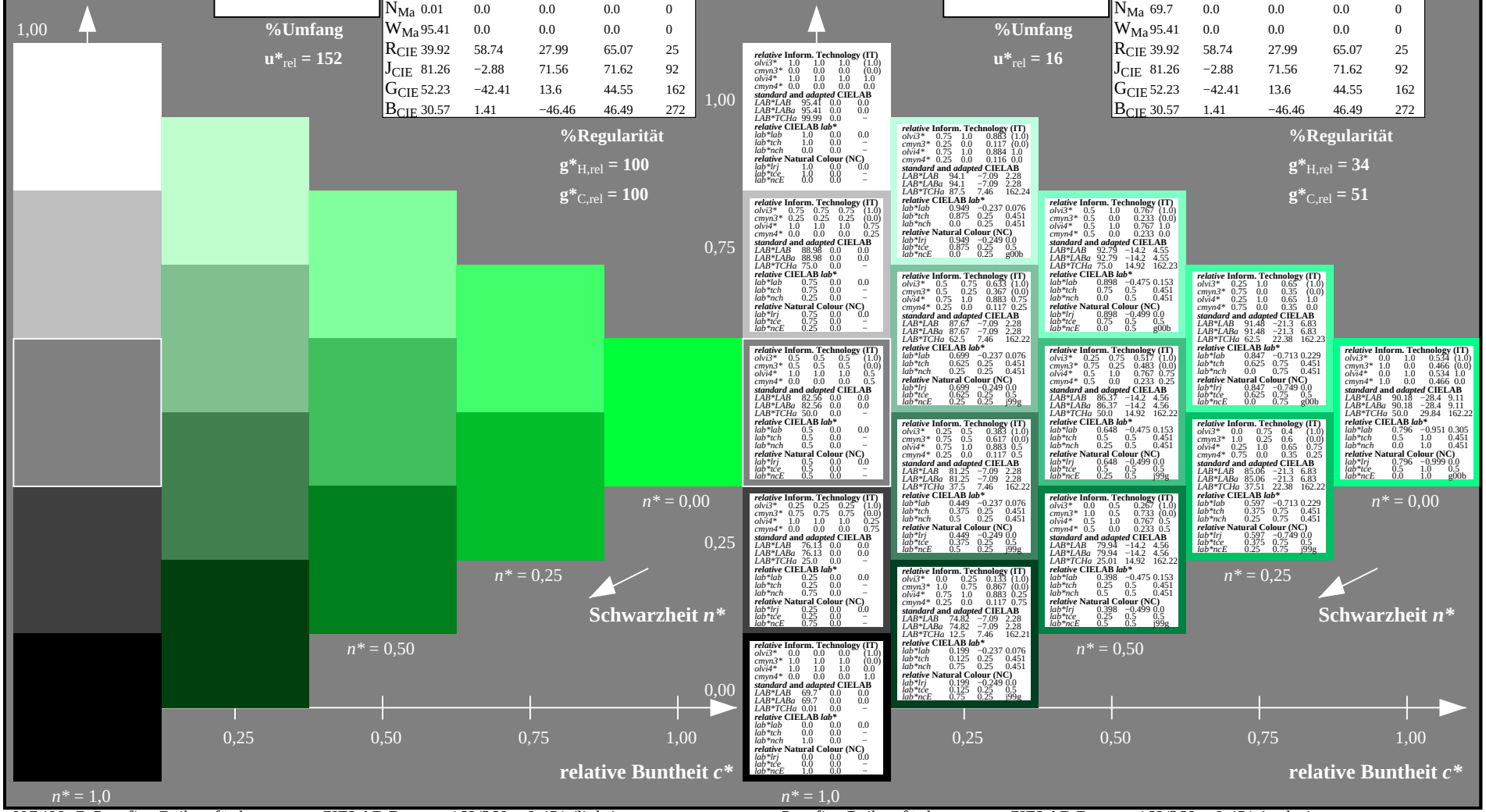


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



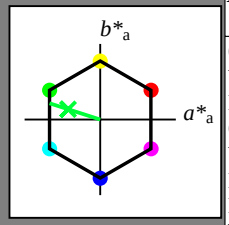
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

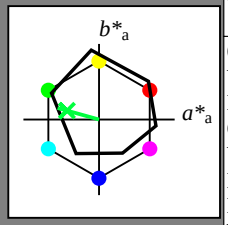
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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

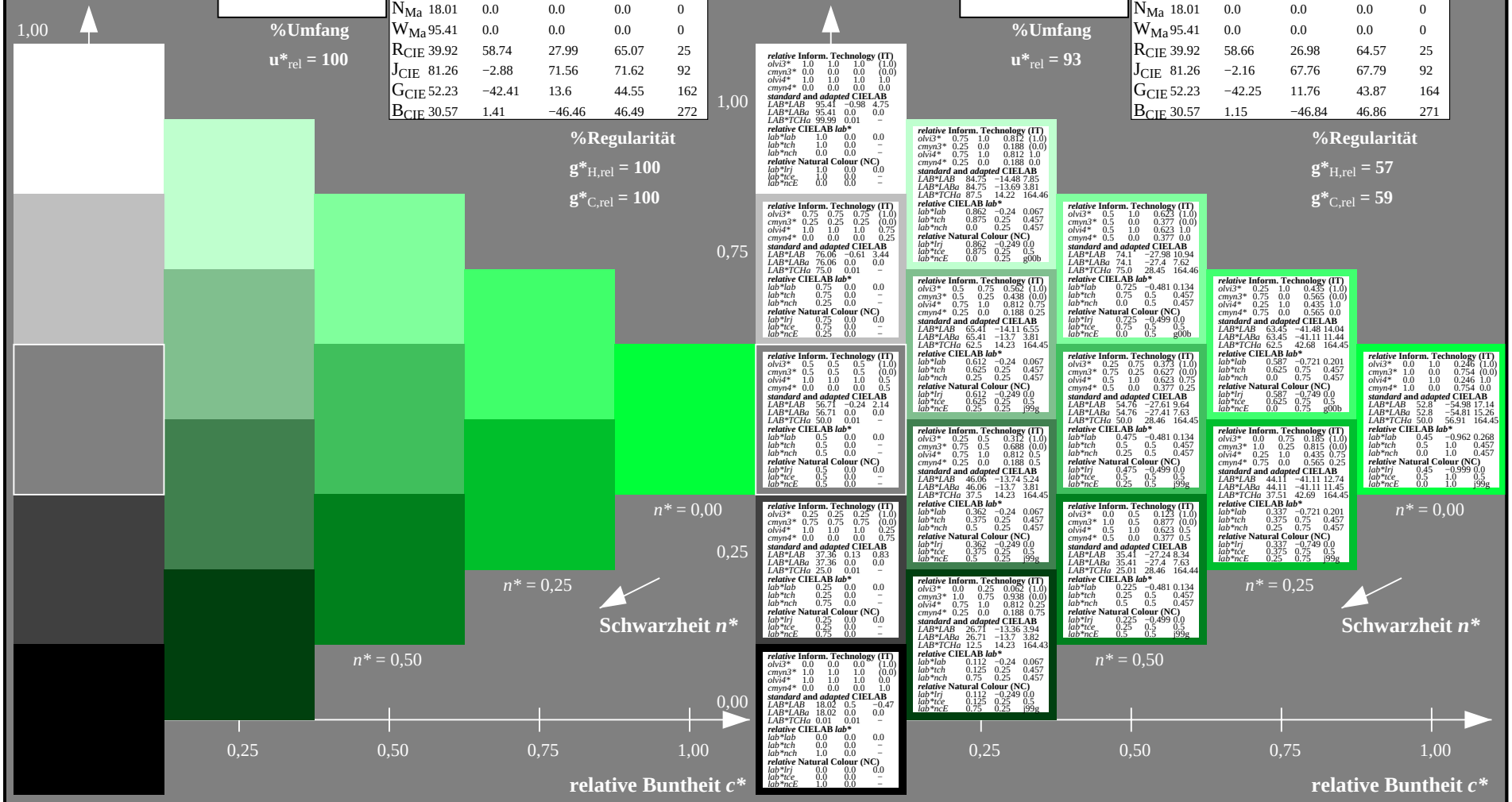


%Umfang
u^*_{rel} = 93

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



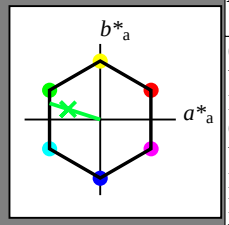
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

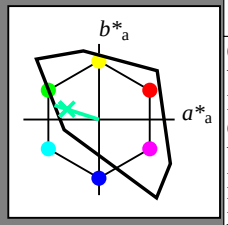
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: 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

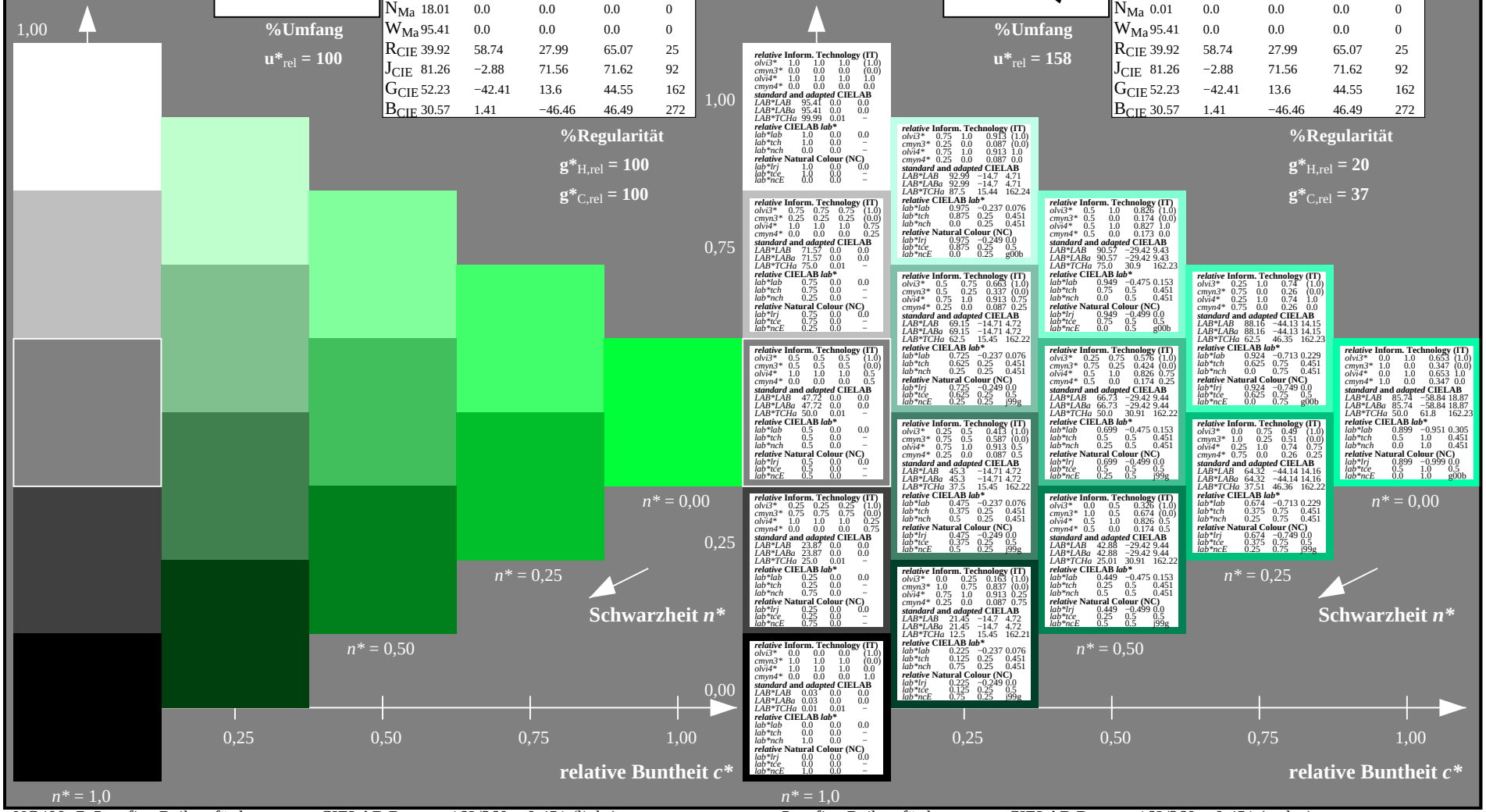


%Umfang
u*$_{rel}$ = 158

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



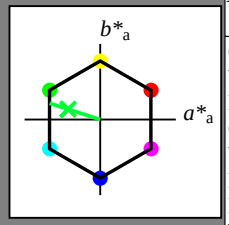
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

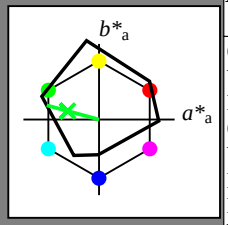
NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 165/360 = 0.458***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

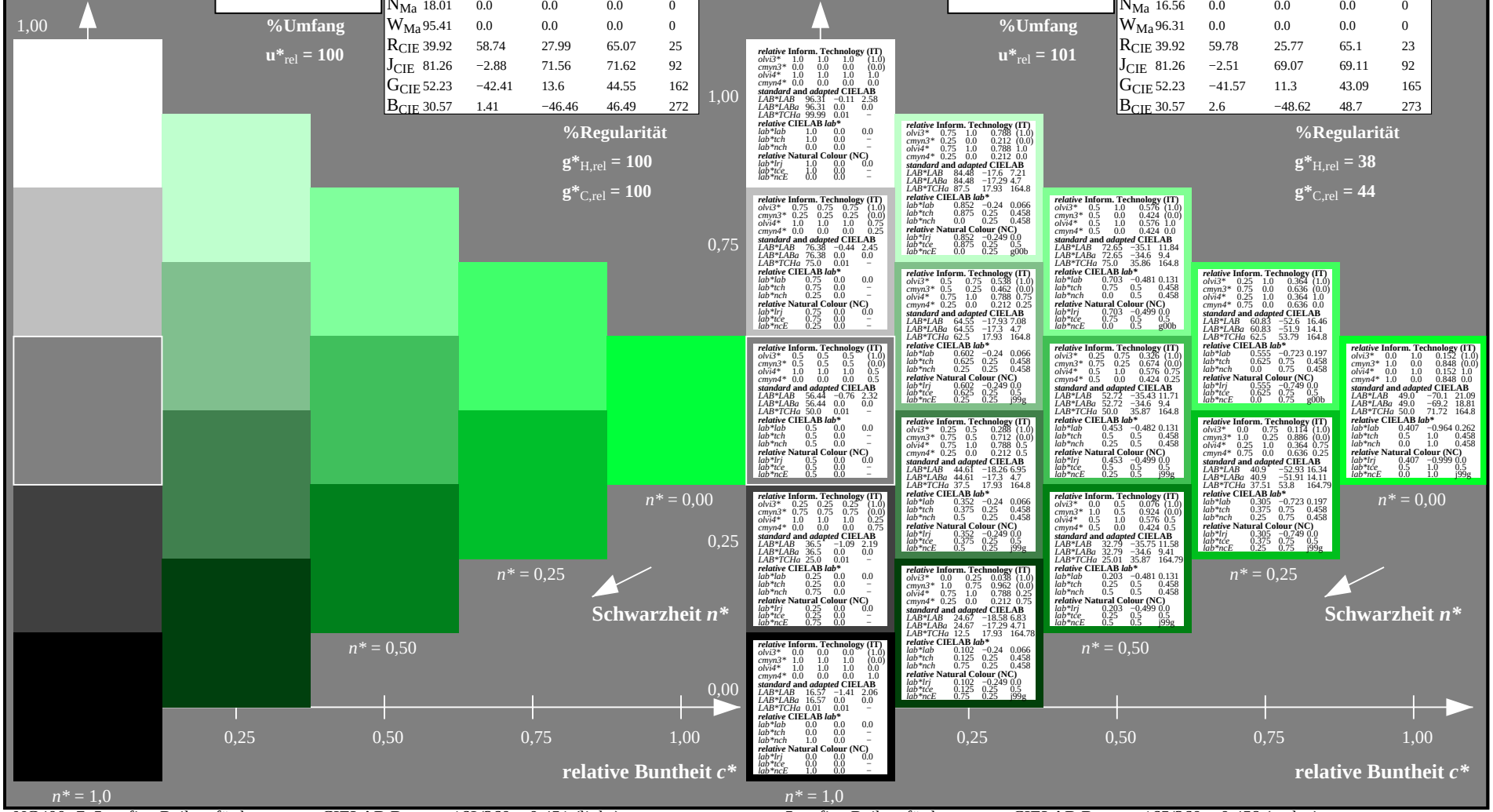
Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



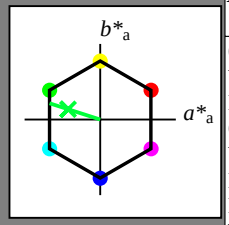
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

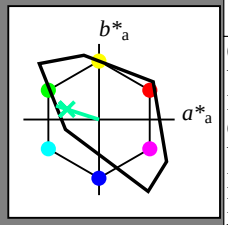
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit

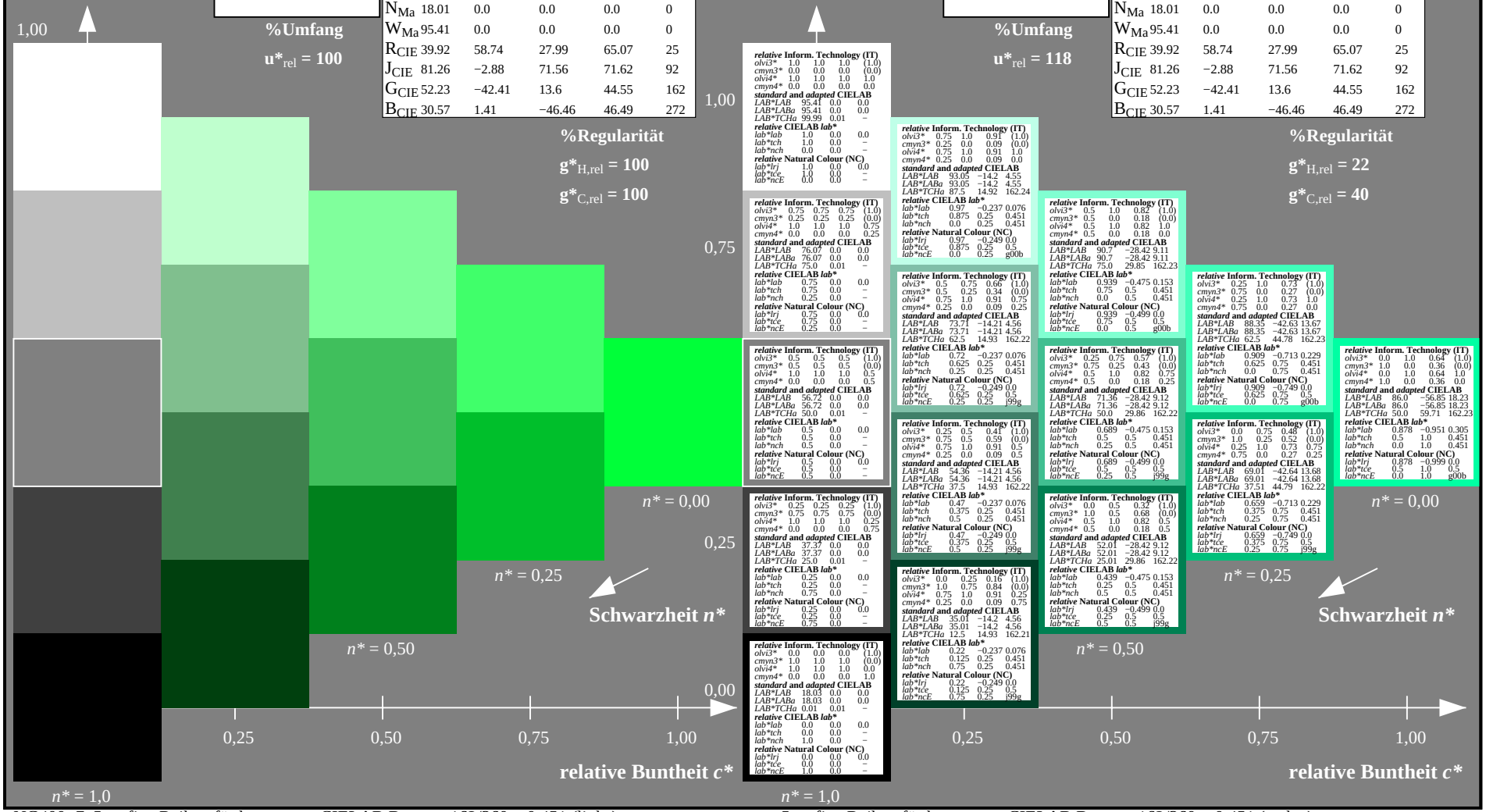


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40



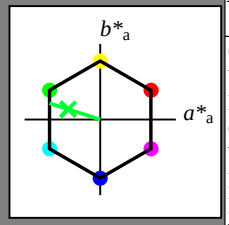
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

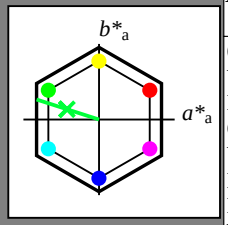
NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

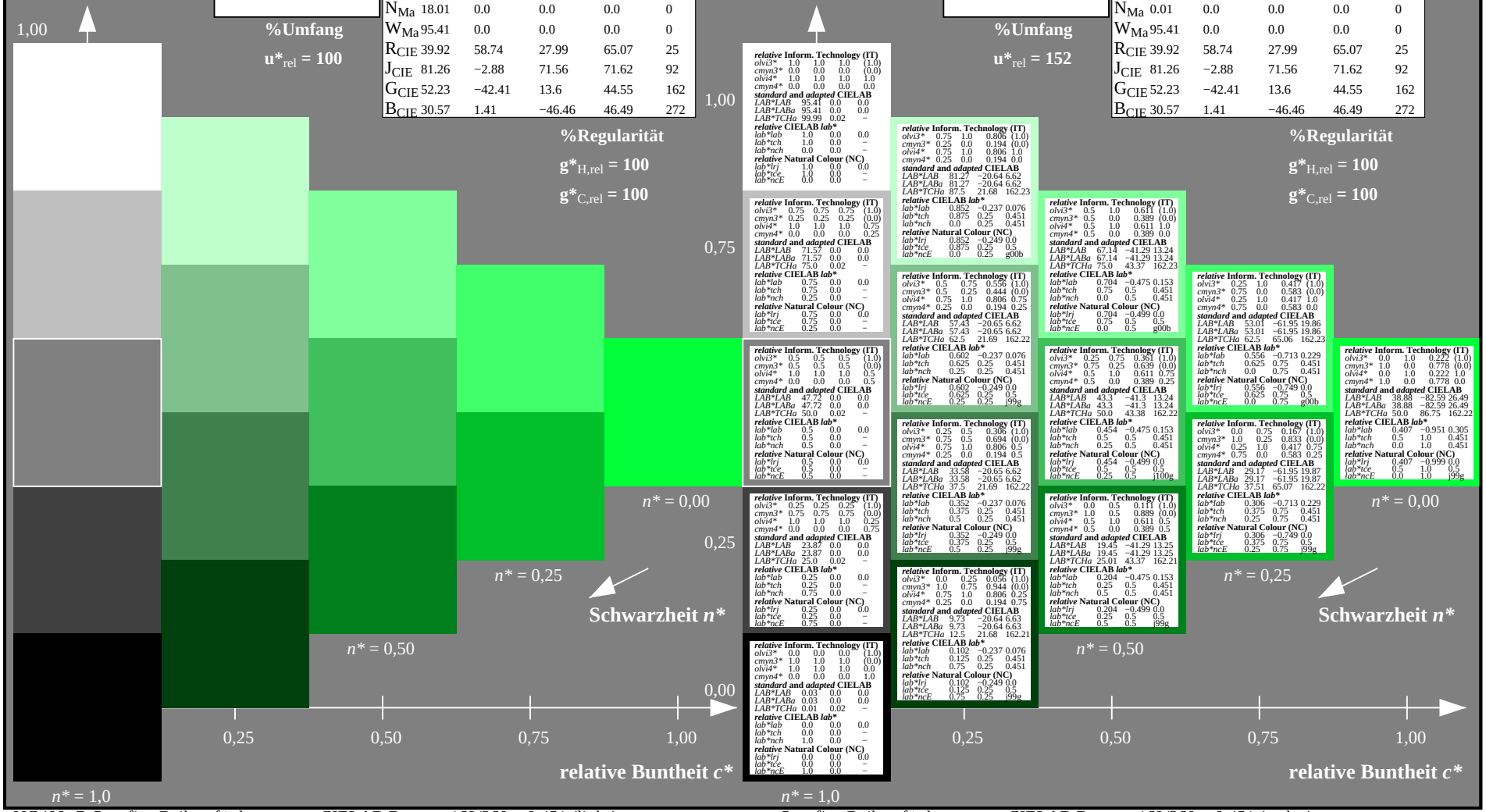
Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



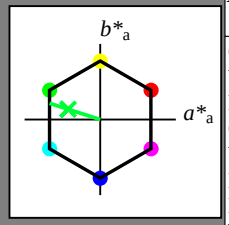
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

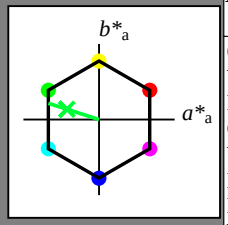
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

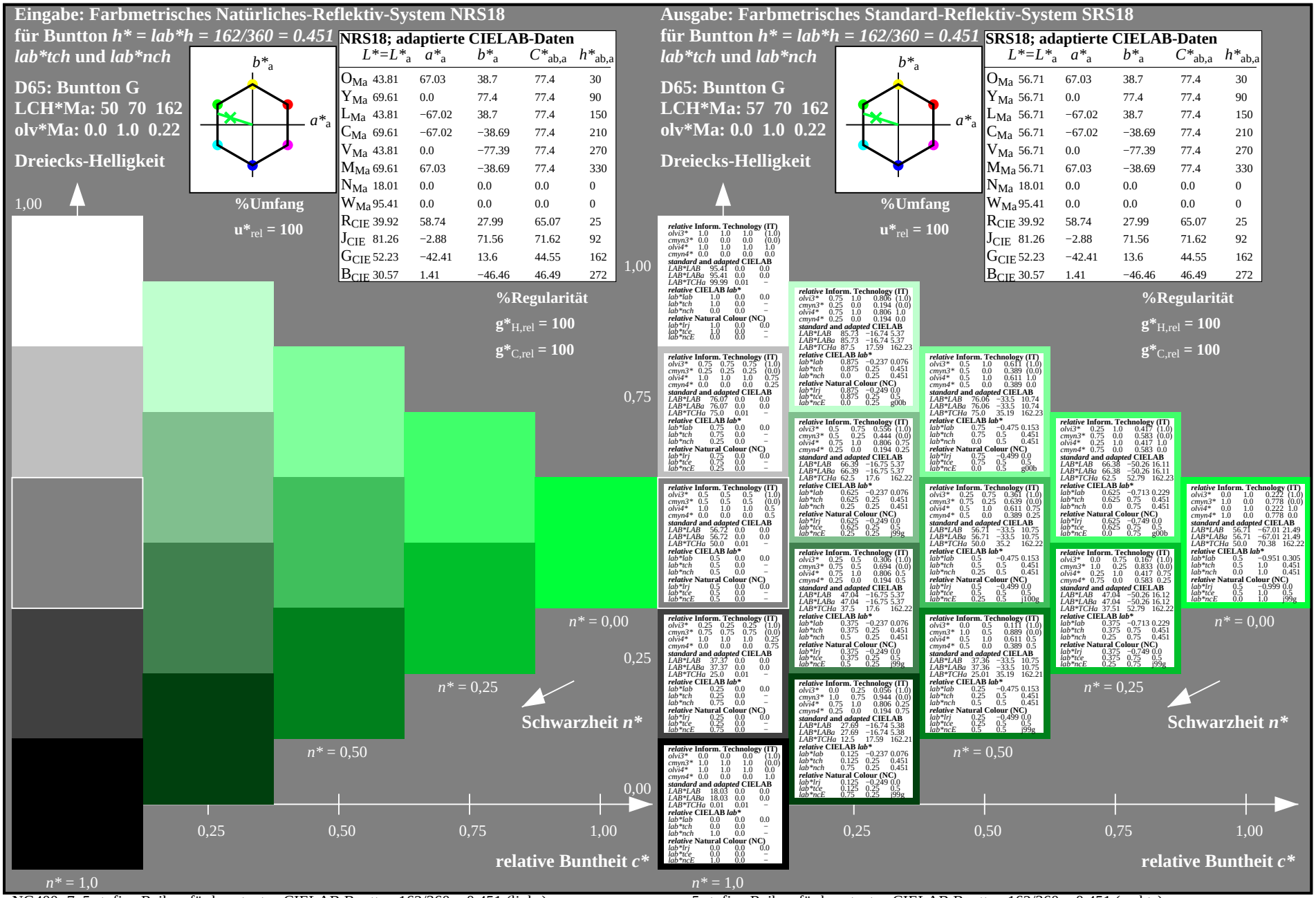
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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*

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)



NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

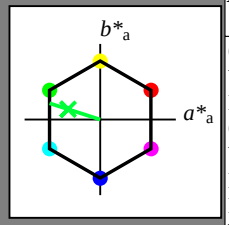
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

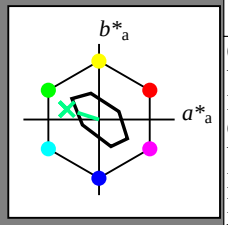
%Regularität
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

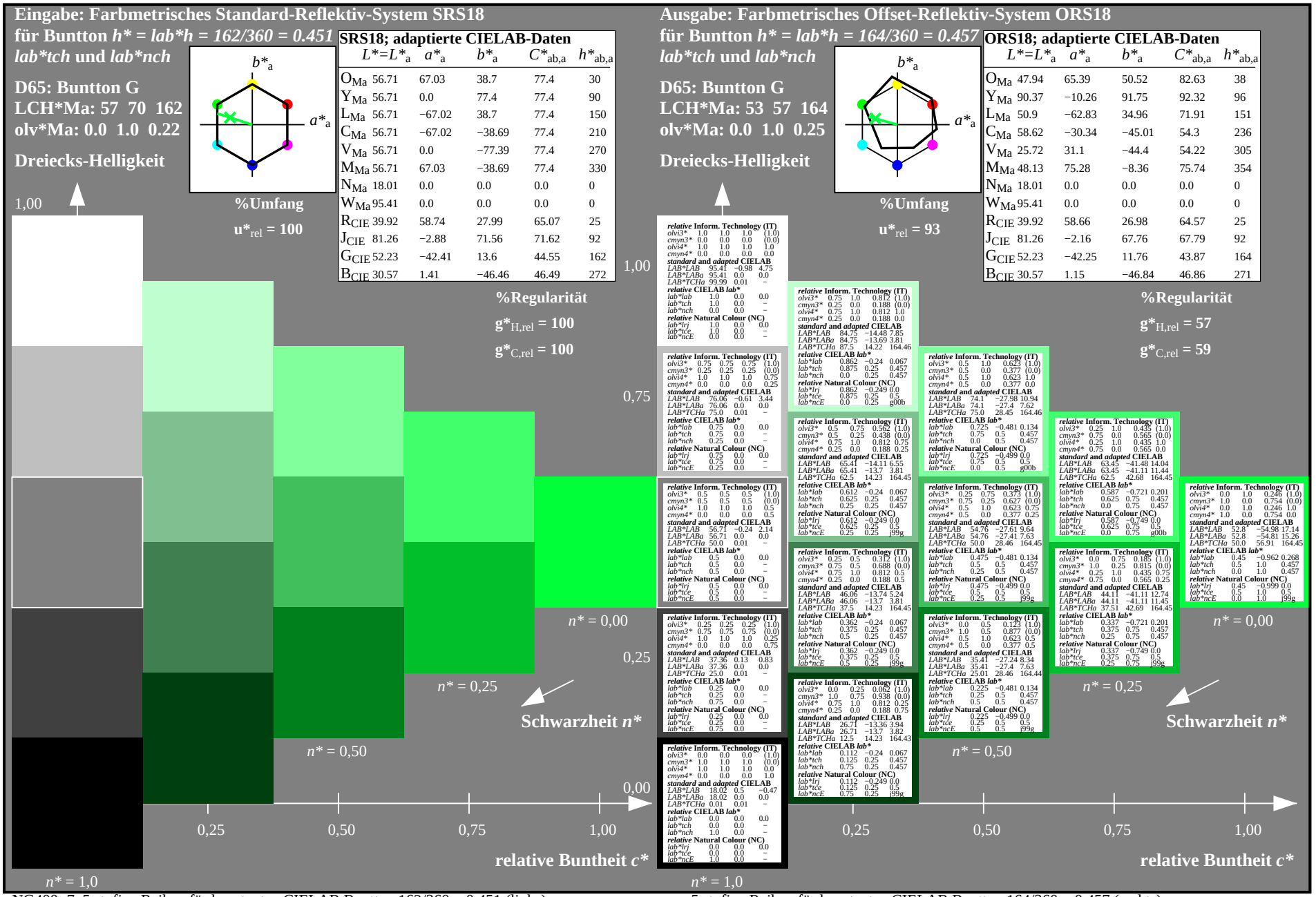
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)



SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

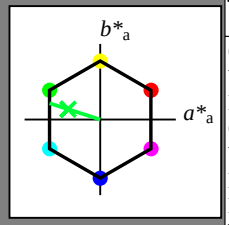
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

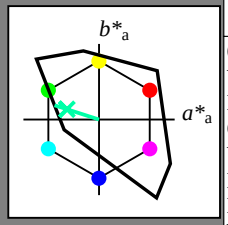
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: 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

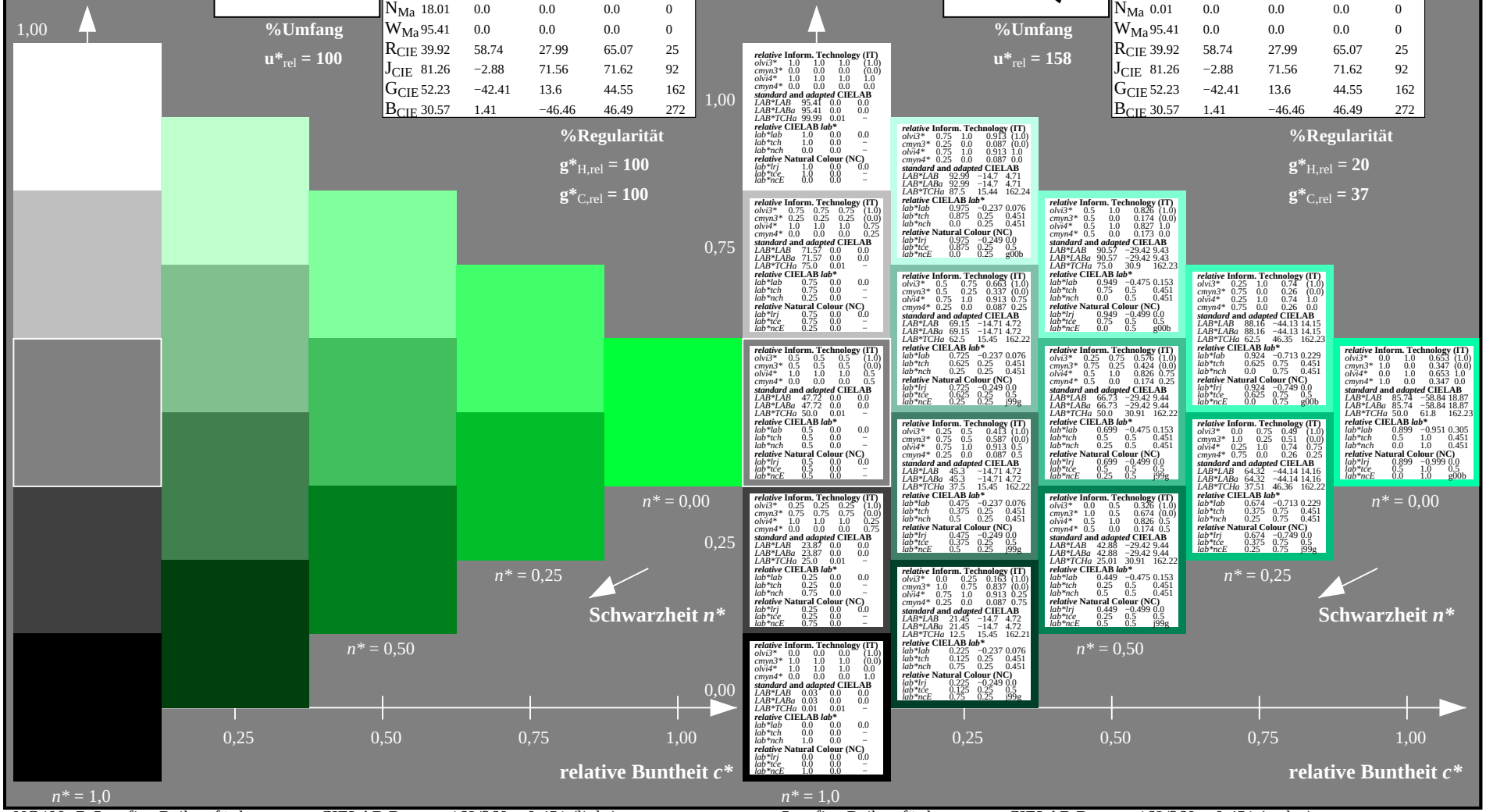


%Umfang
u*$_{rel}$ = 158

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



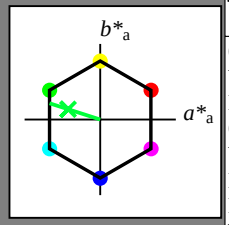
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

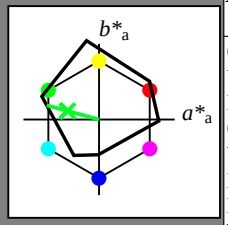
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 165/360 = 0.458***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit

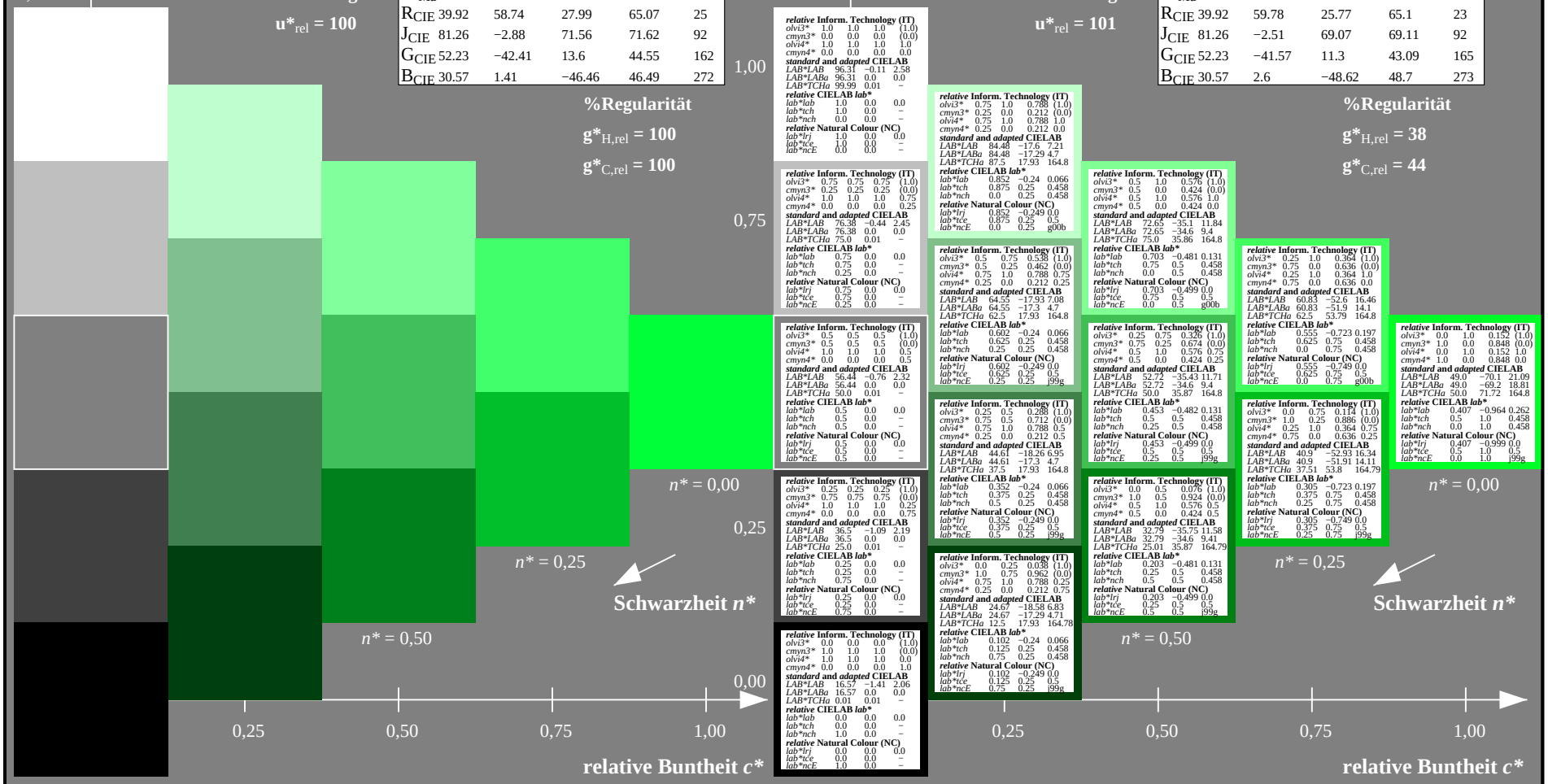


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



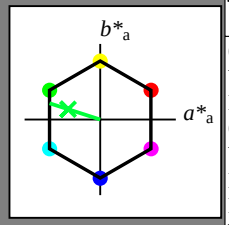
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

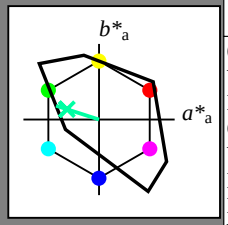
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

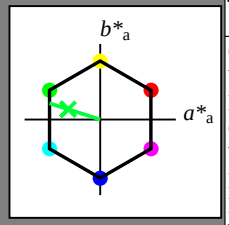
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

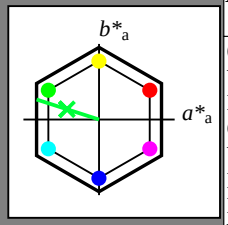
SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

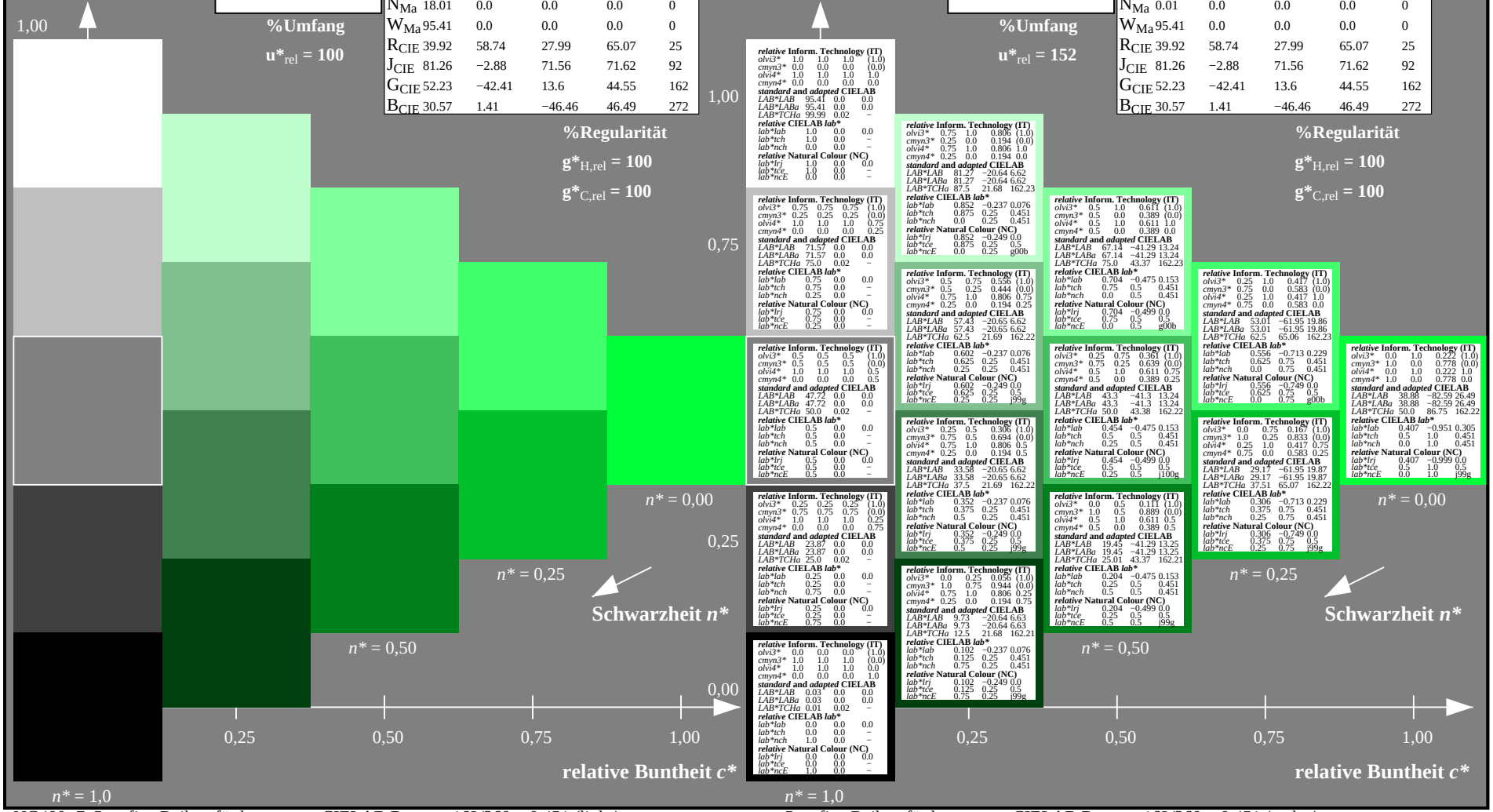
Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



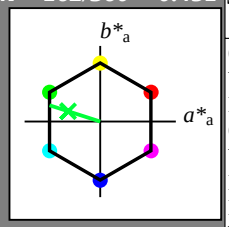
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

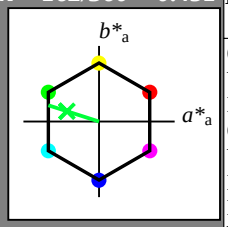
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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*

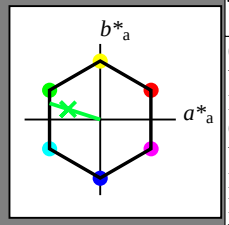
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

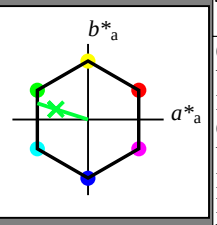
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

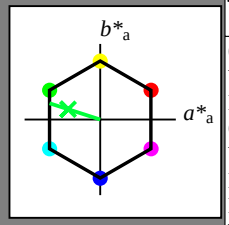
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

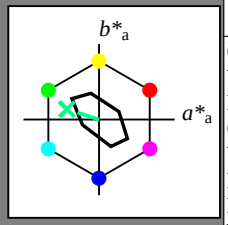
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit

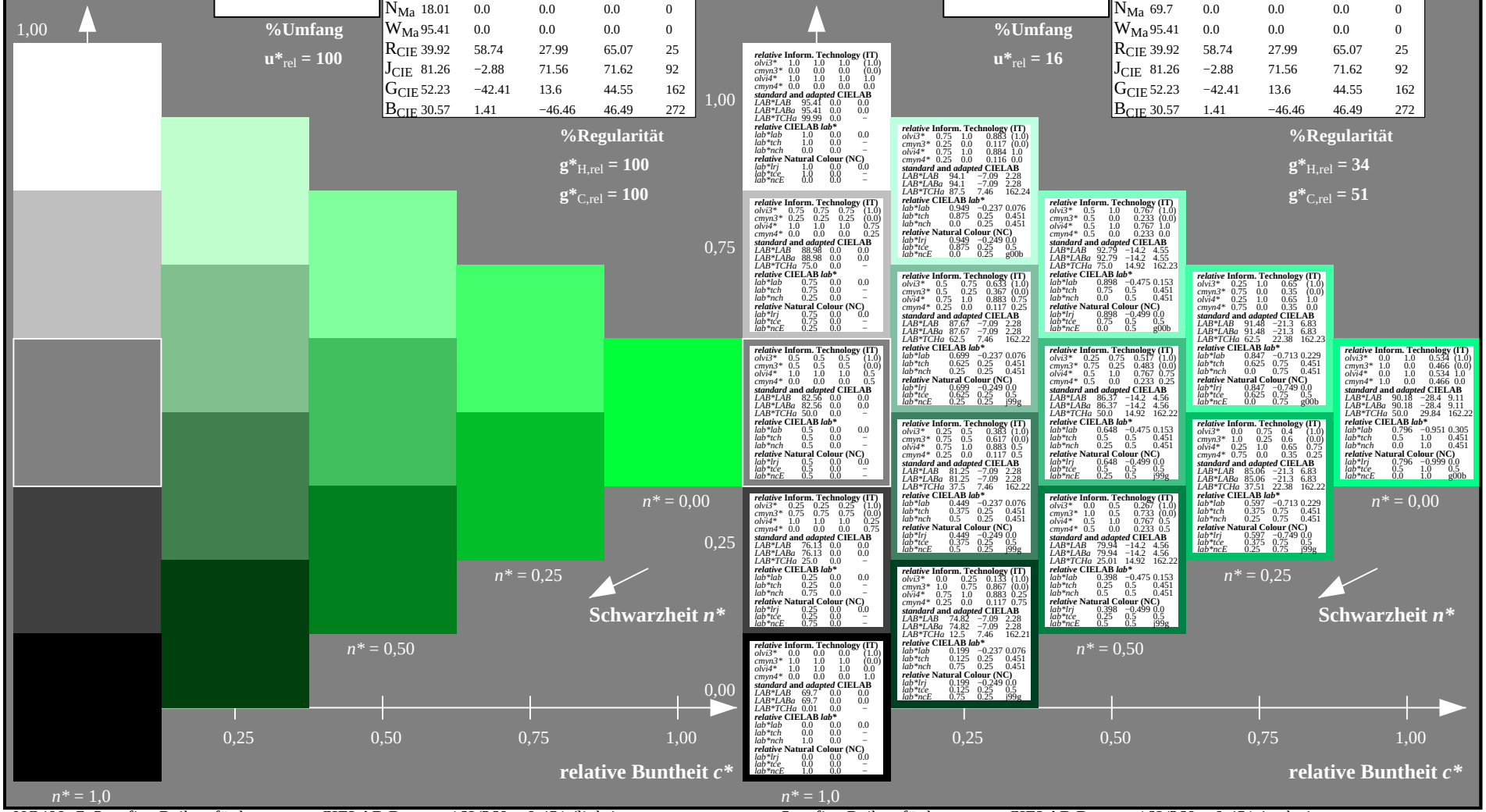


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



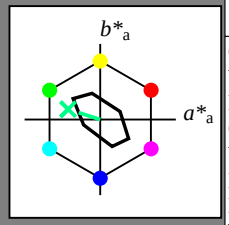
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53



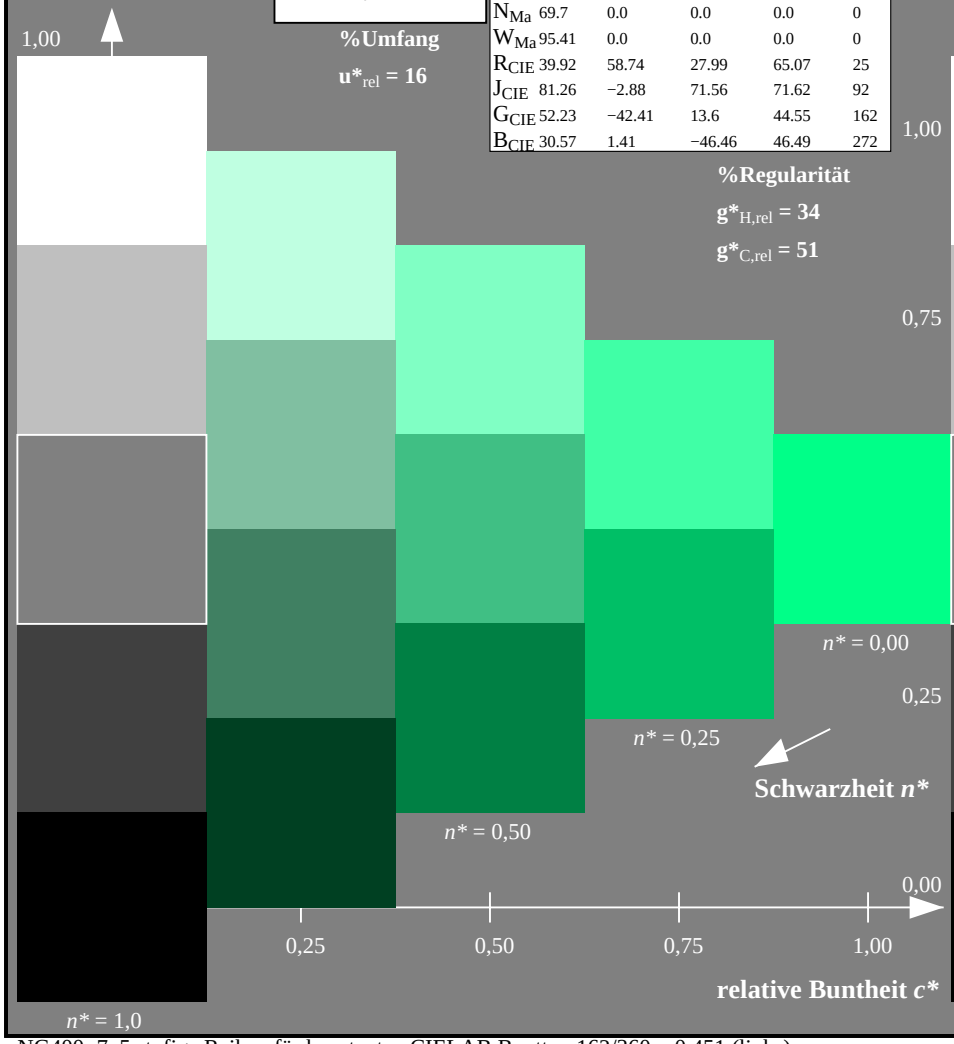
%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

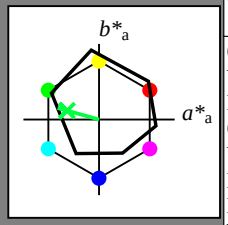
Dreiecks-Helligkeit



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



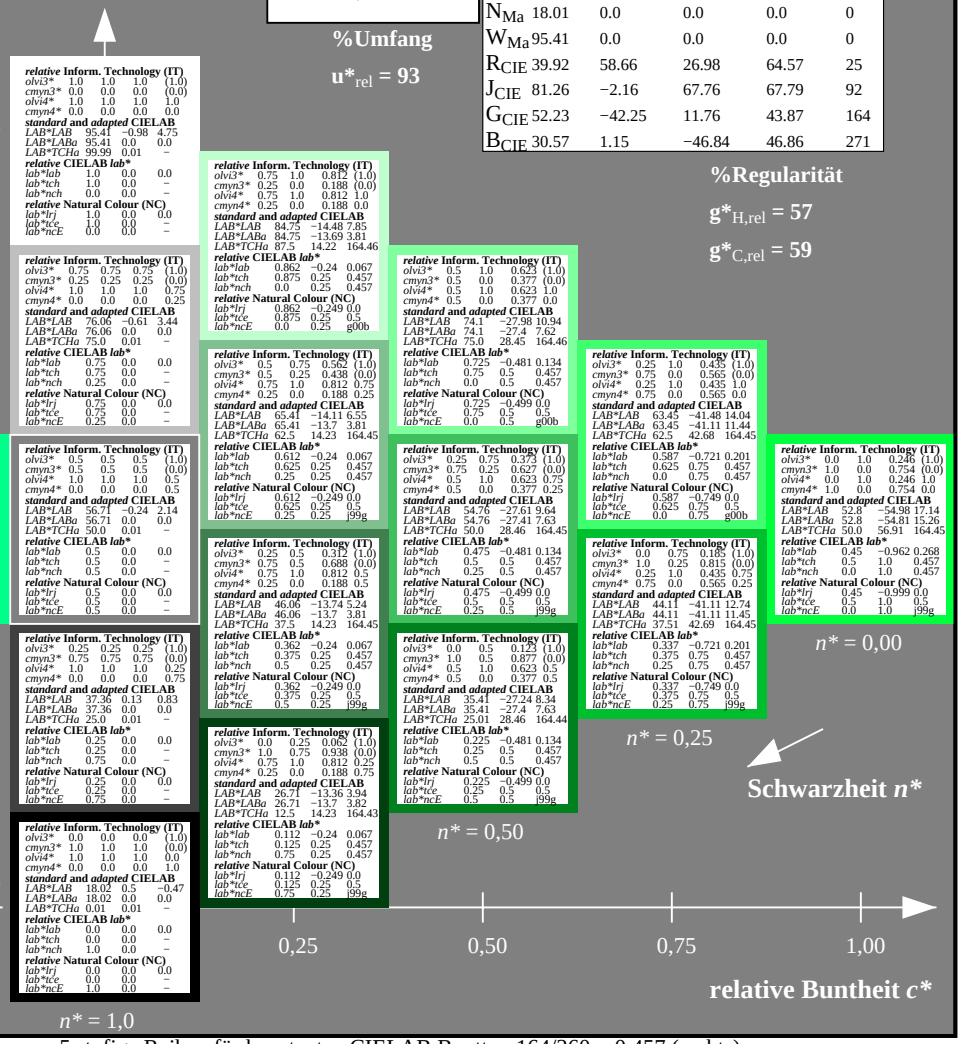
%Umfang
u^*_{rel} = 93

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

Dreiecks-Helligkeit



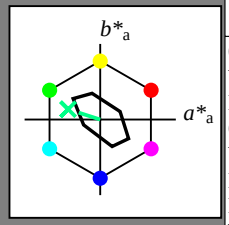
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

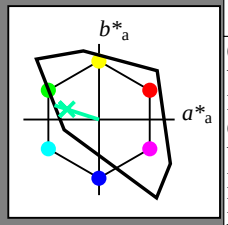
g*H,rel = 34

g*C,rel = 51

Ausgabe: 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



%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**

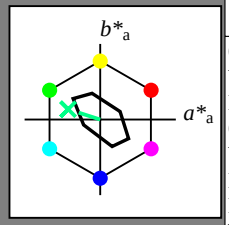
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h* = lab*h = 162/360 = 0.451*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

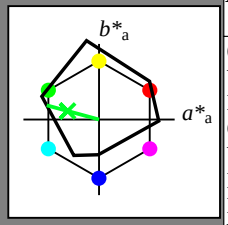
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 165/360 = 0.458*
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 49 72 165
olv*Ma: 0.0 1.0 0.15

Dreiecks-Helligkeit

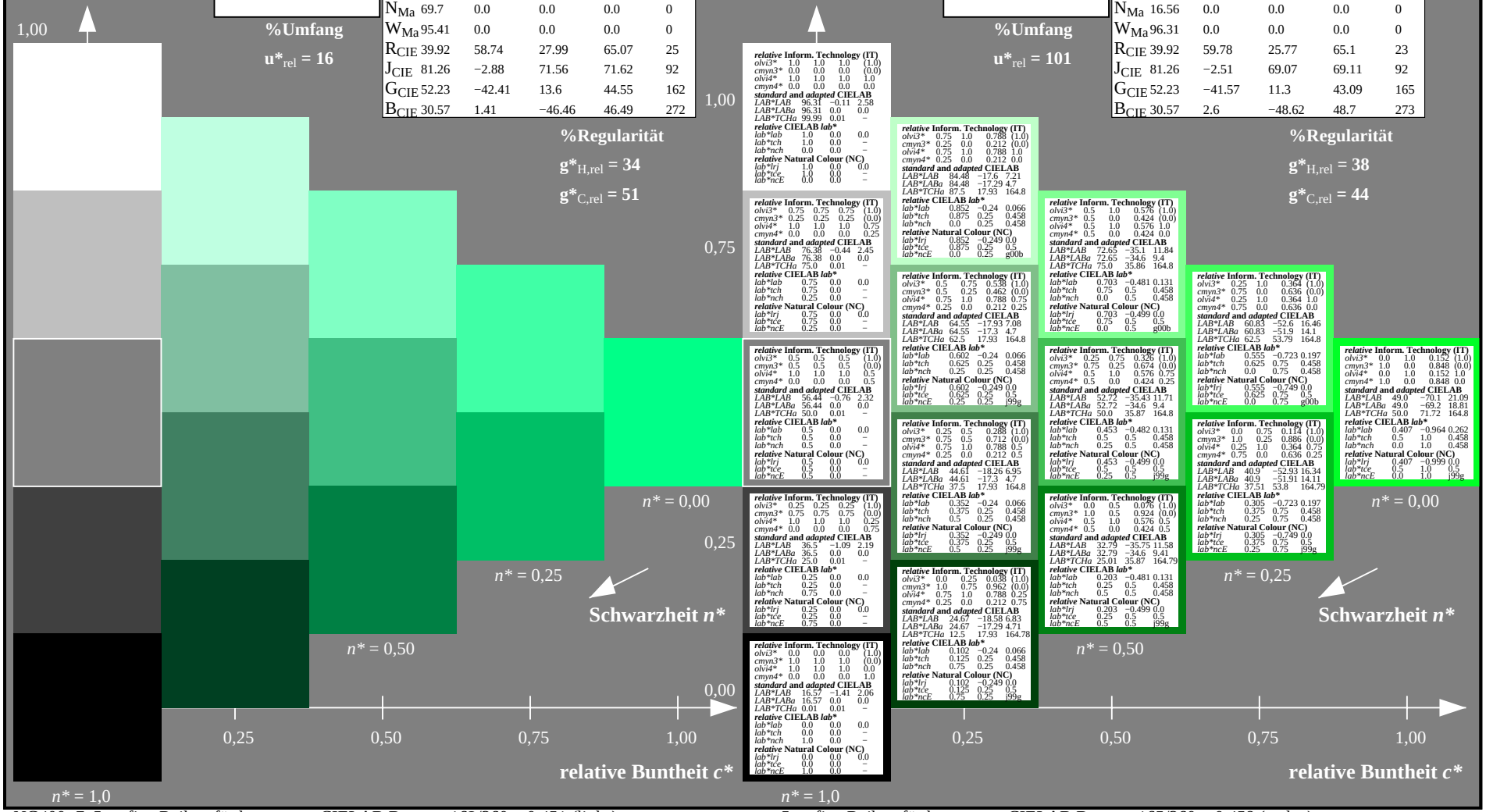


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



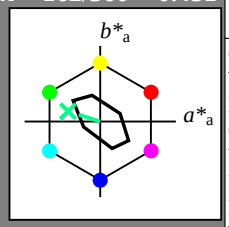
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 165/360 = 0.458 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

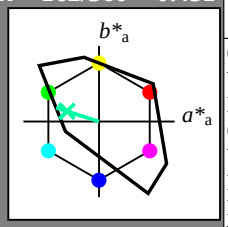
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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^*

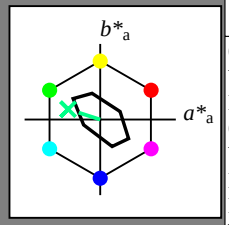
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

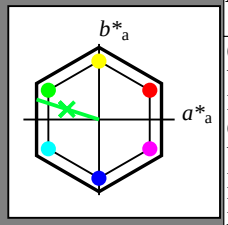
g*H,rel = 34

g*C,rel = 51

Ausgabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 39 87 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang

u*rel = 152

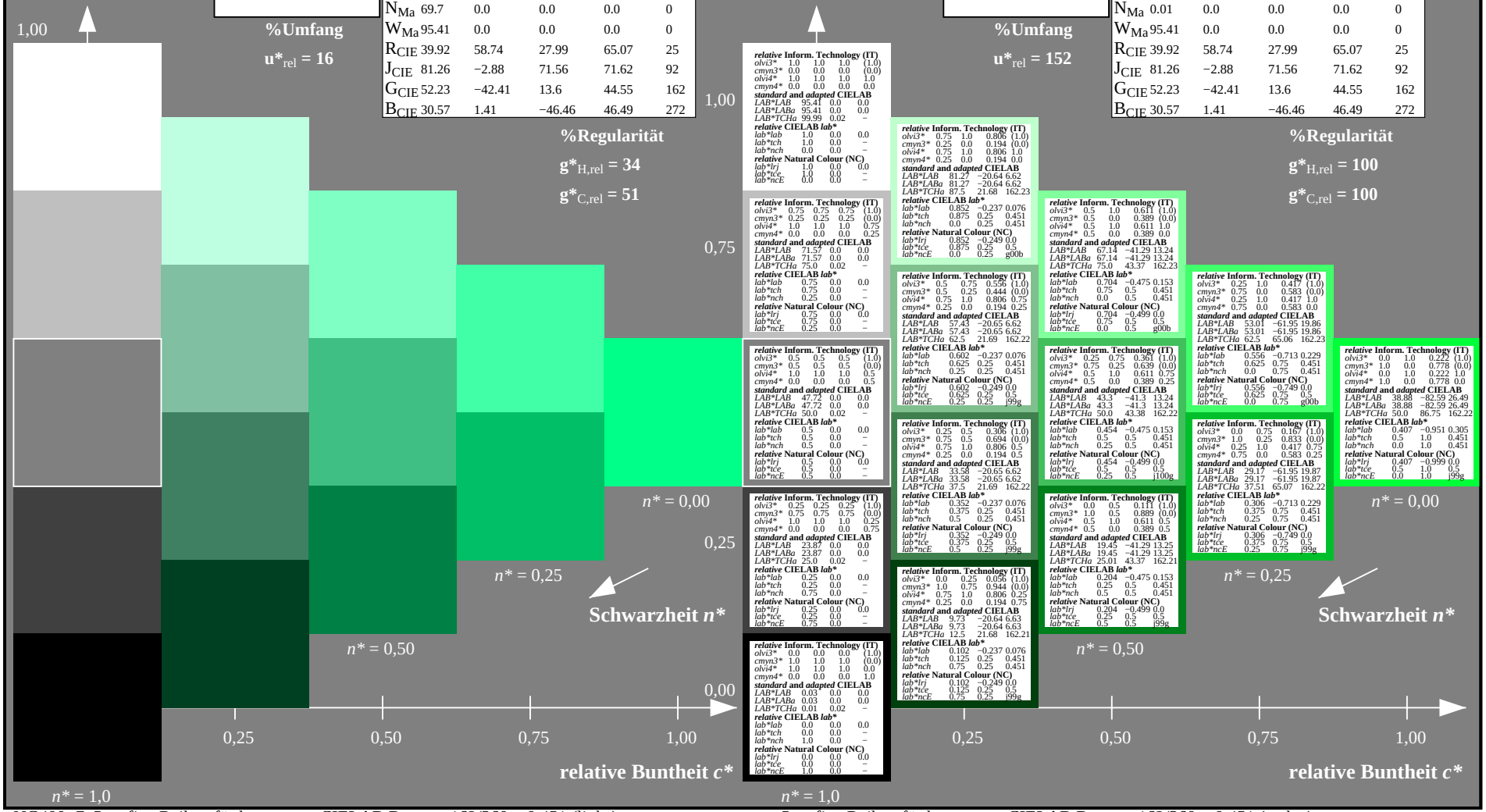
NLS00; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100



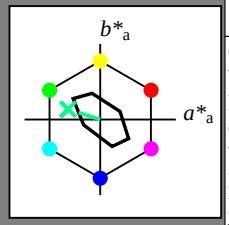
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

1,00

0,75

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 1,0*

Schwarzheit *n**

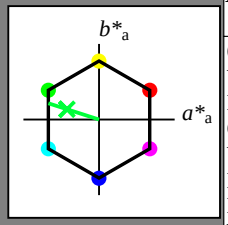
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 50 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang

u*rel = 100

NRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 100

g*C,rel = 100

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**

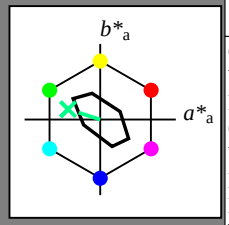
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

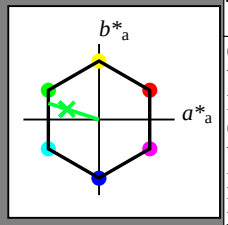
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

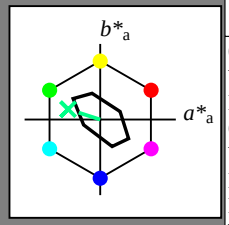
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

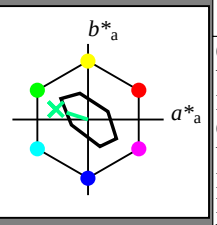
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 162/360 = 0.451***
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit

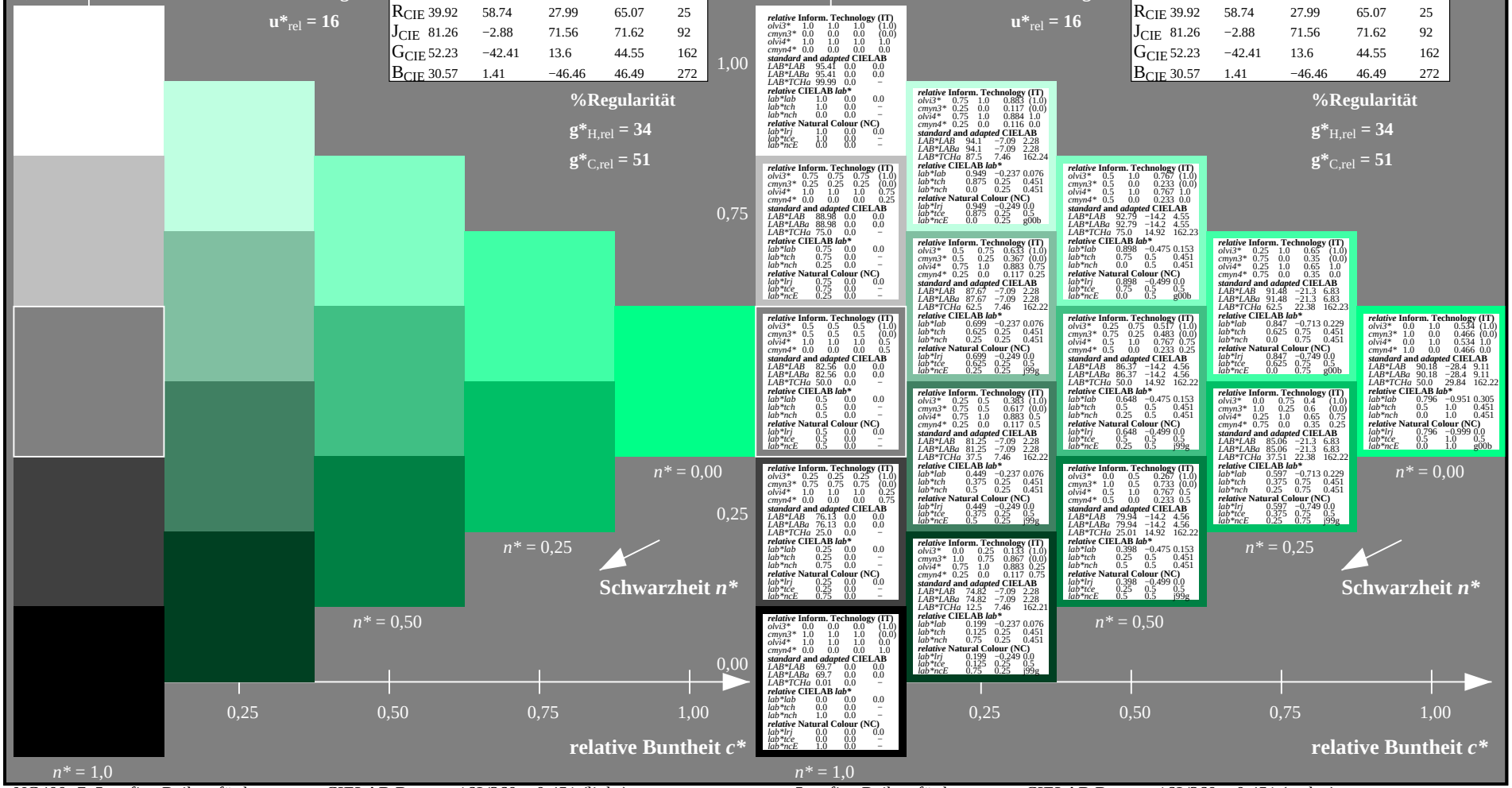


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



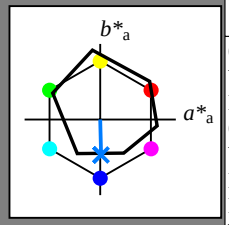
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: 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

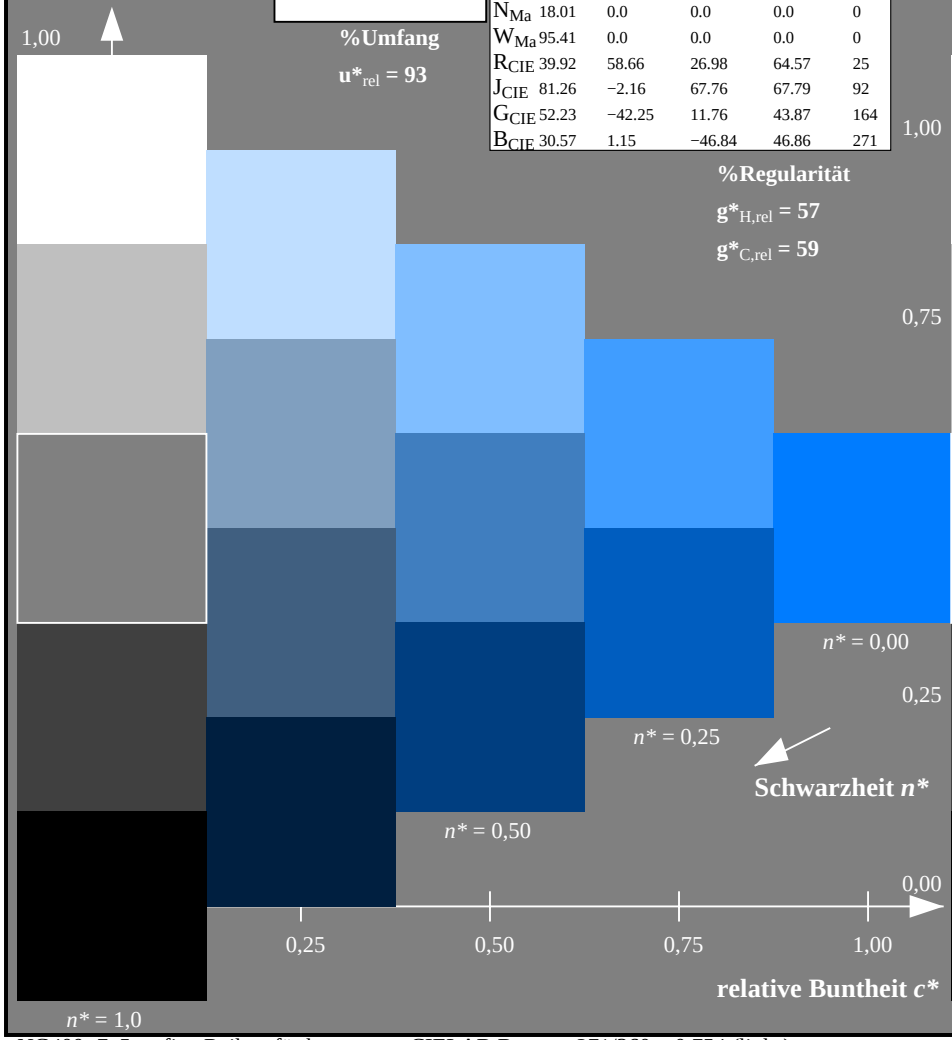
Dreiecks-Helligkeit



%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

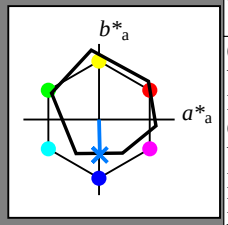


%Regularität
g*H,rel = 57
g*C,rel = 59

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

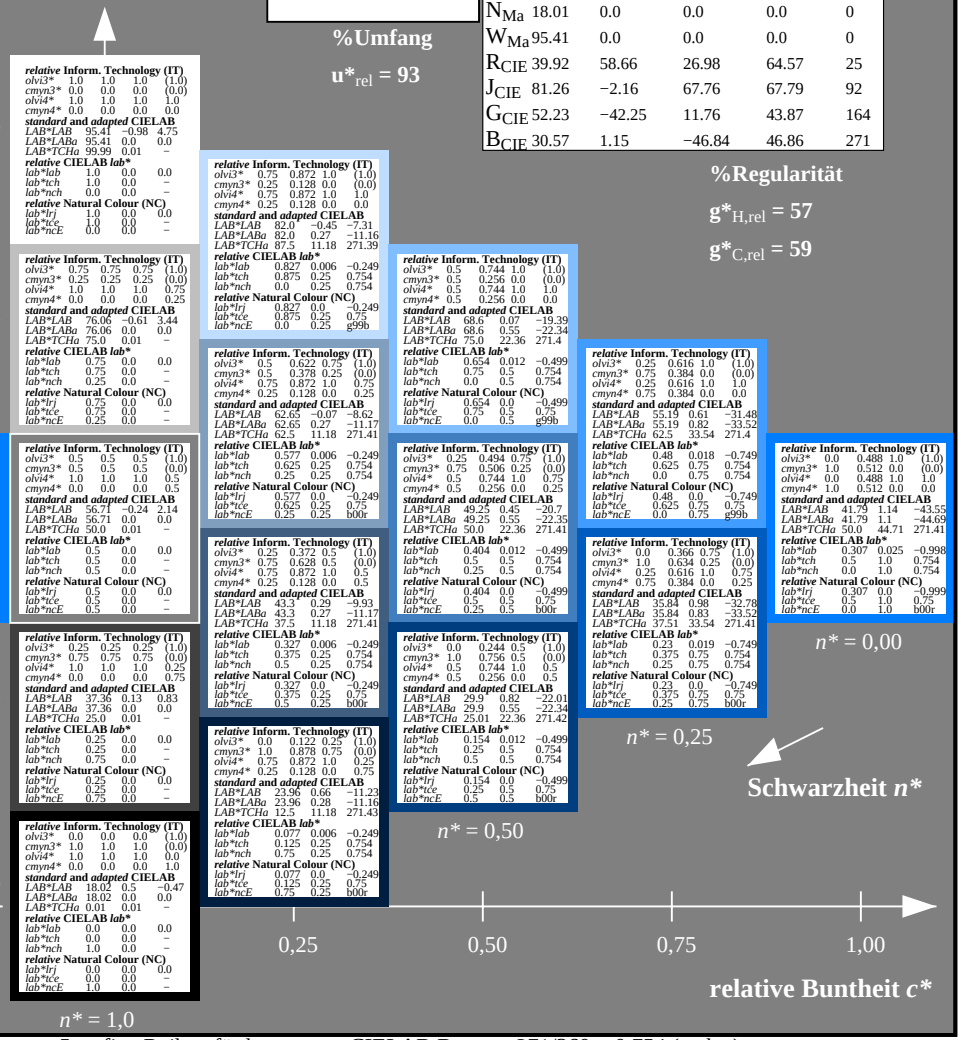
Dreiecks-Helligkeit



%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

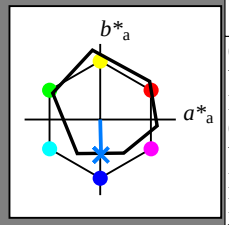
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

Eingabe: 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



%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

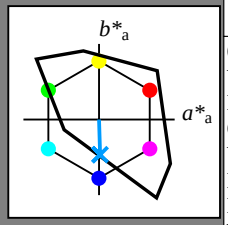
%Regularität
g*H,rel = 57
g*C,rel = 59

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 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



%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**

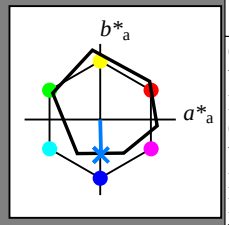
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

Eingabe: 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



%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

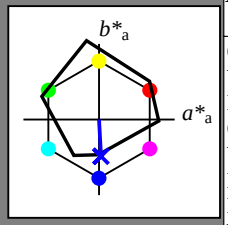
%Regularität
g*H,rel = 57
g*C,rel = 59

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 273/360 = 0.759***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

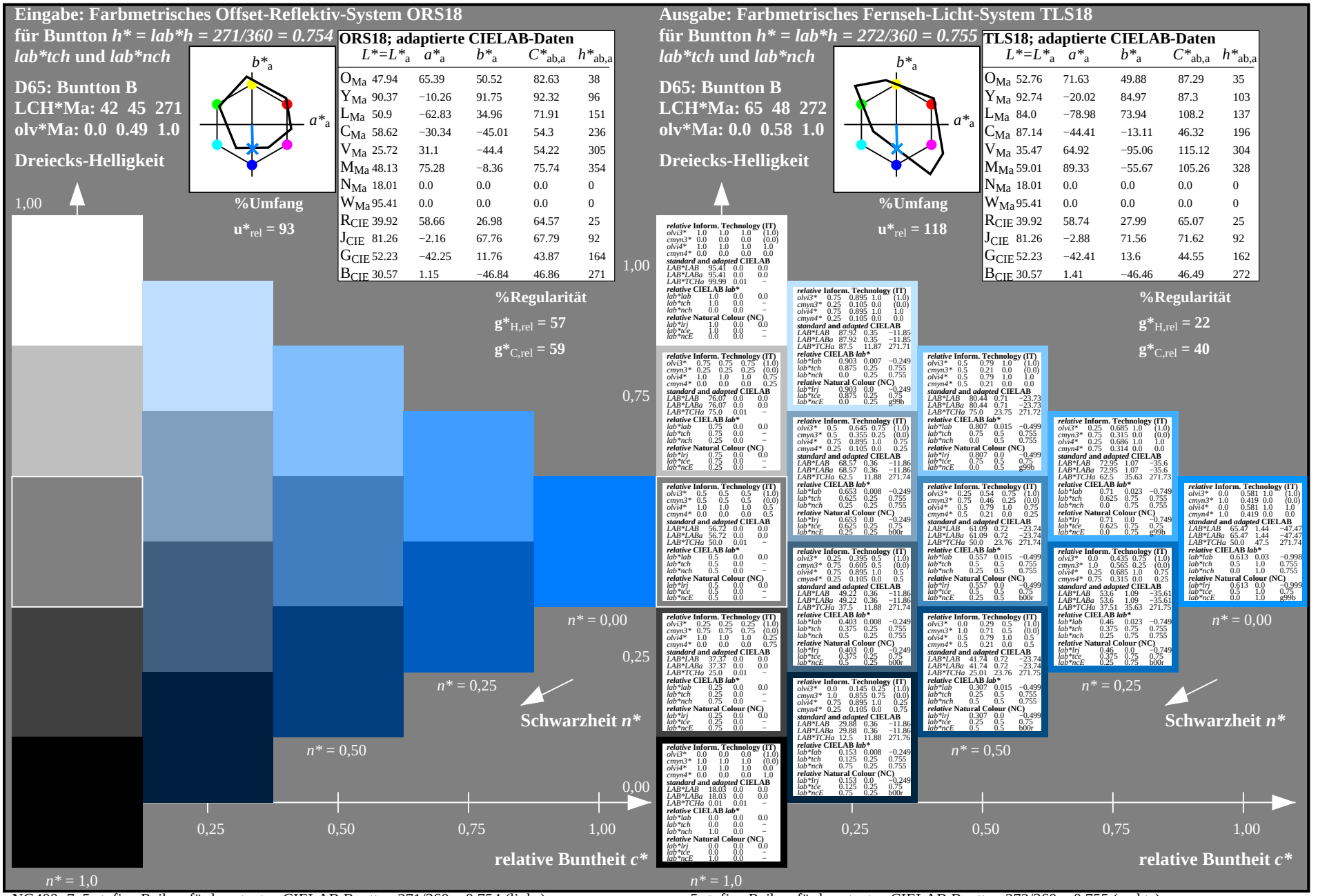
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)



ORS18; adaptierte CIELAB-Daten

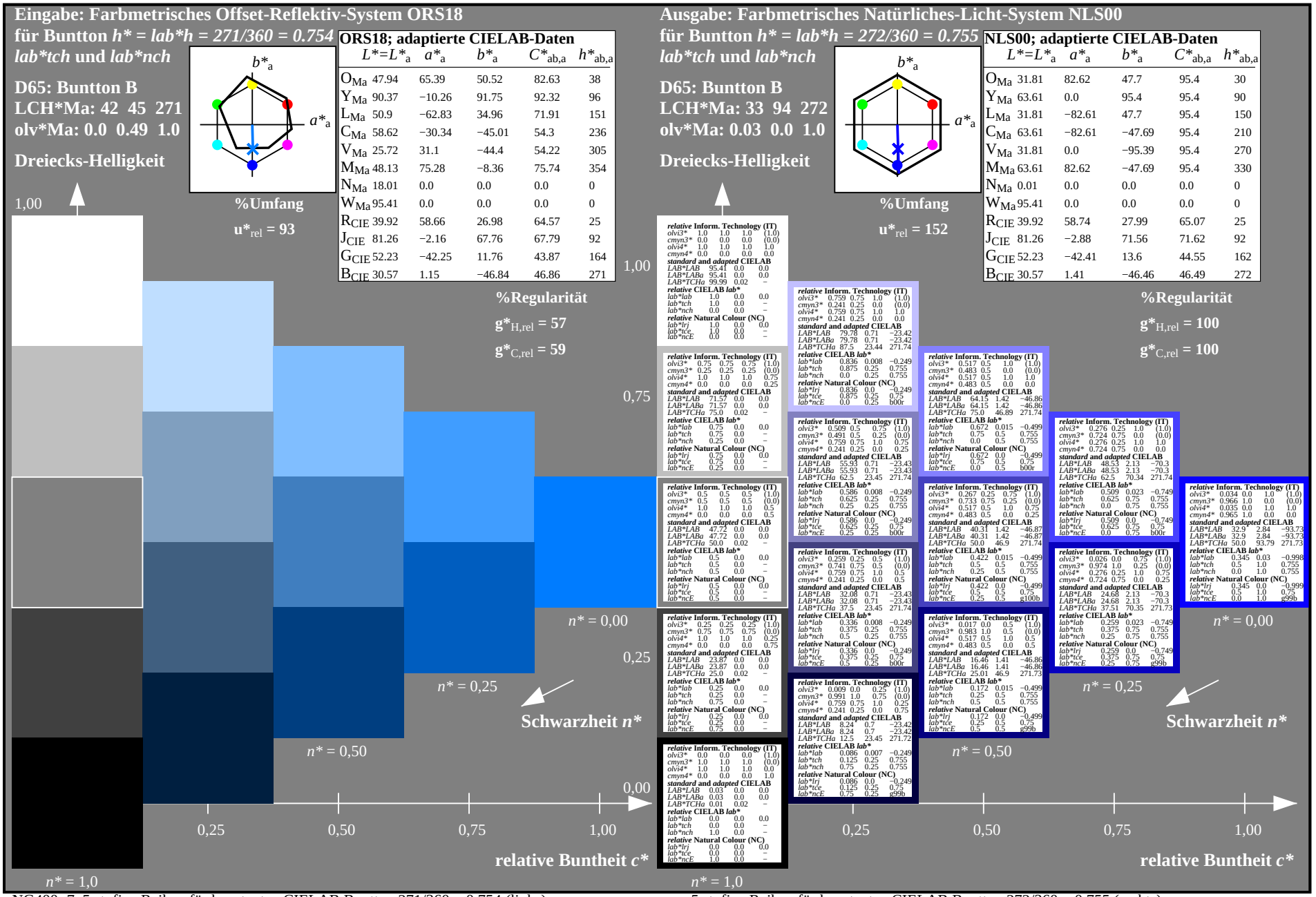
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

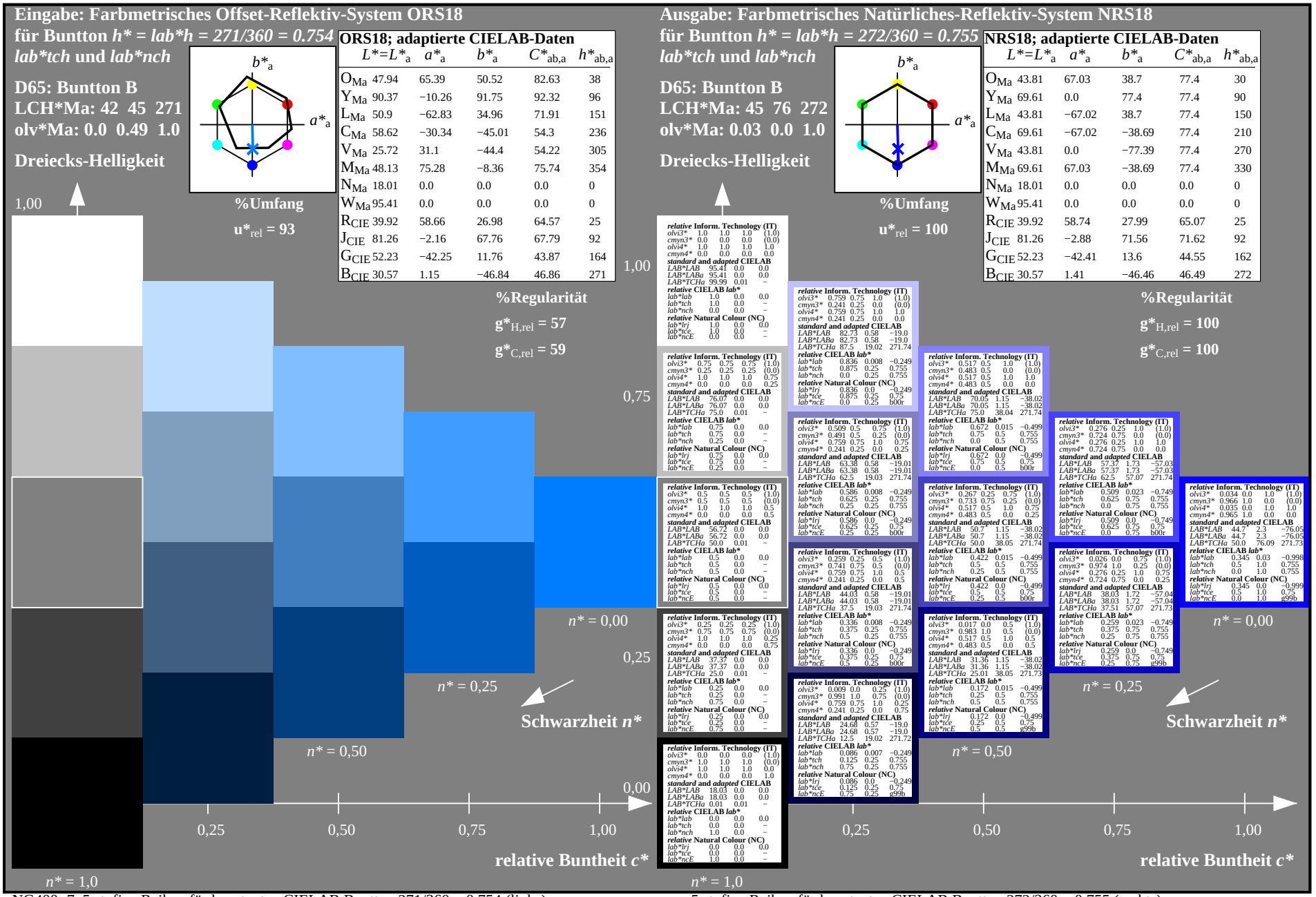
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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



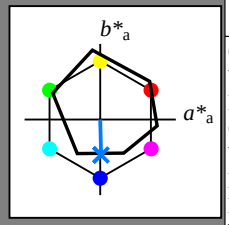
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

Eingabe: 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



%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

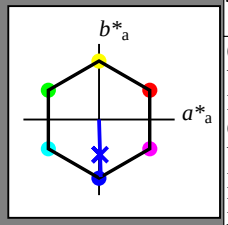
%Regularität
g*H,rel = 57
g*C,rel = 59

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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

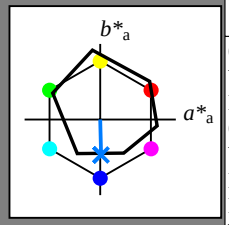
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

Eingabe: 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



%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

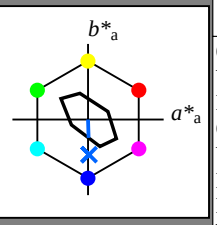
%Regularität
g*H,rel = 57
g*C,rel = 59

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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

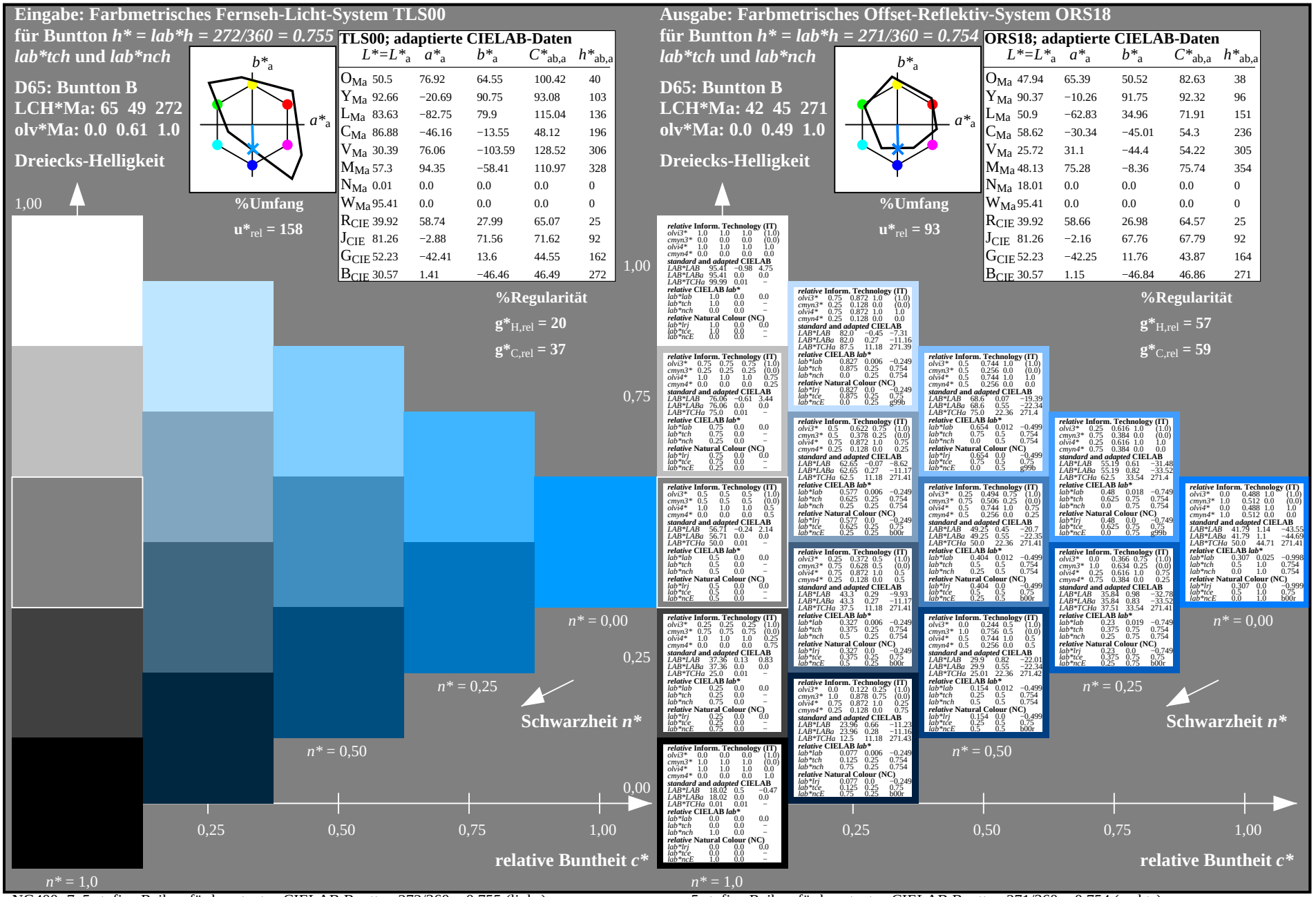
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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



TLS00; adaptierte CIELAB-Daten

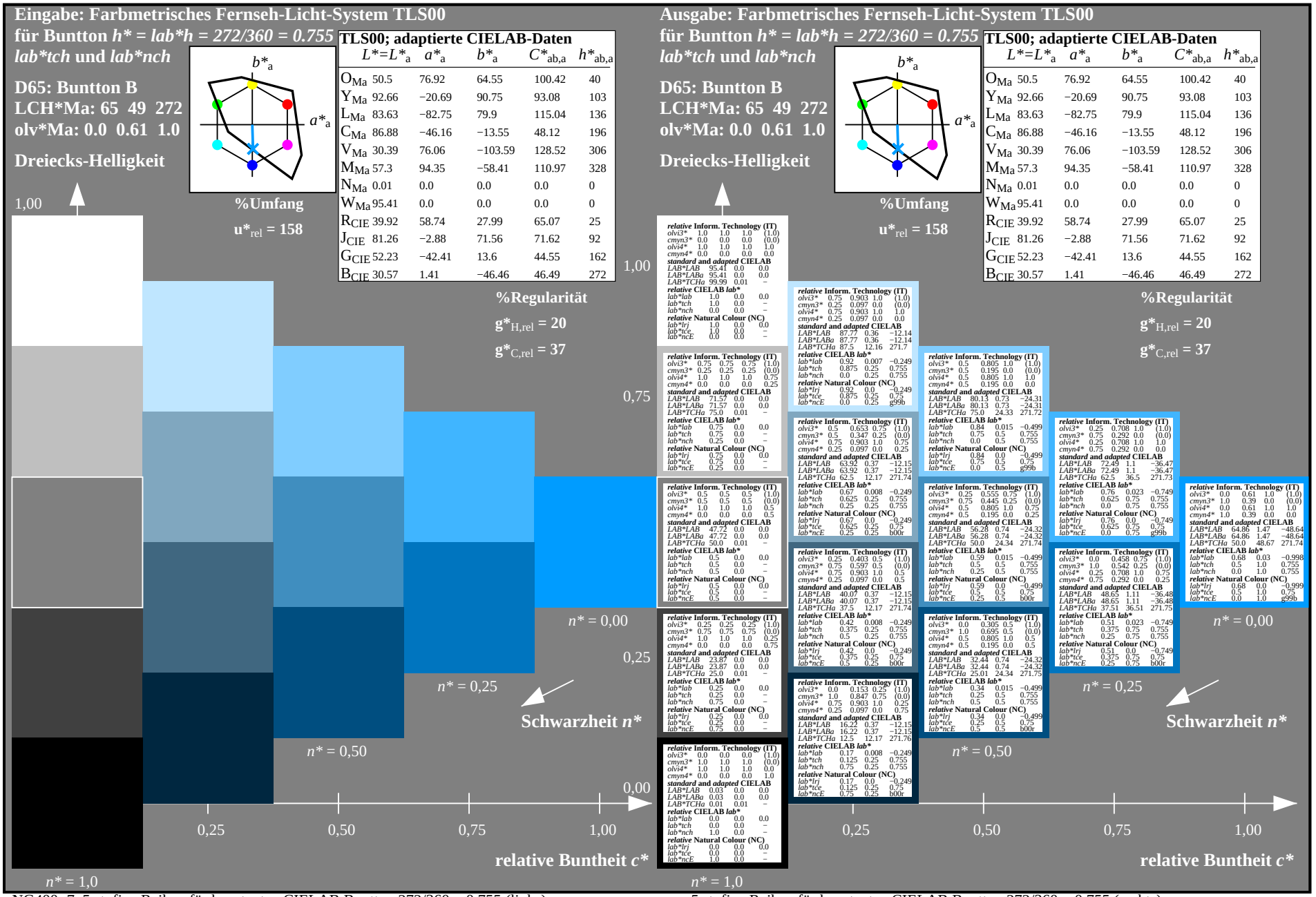
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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

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

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



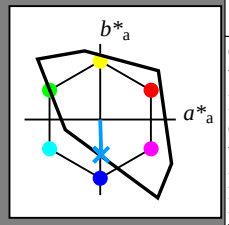
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

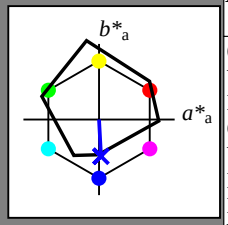
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 273/360 = 0.759***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit

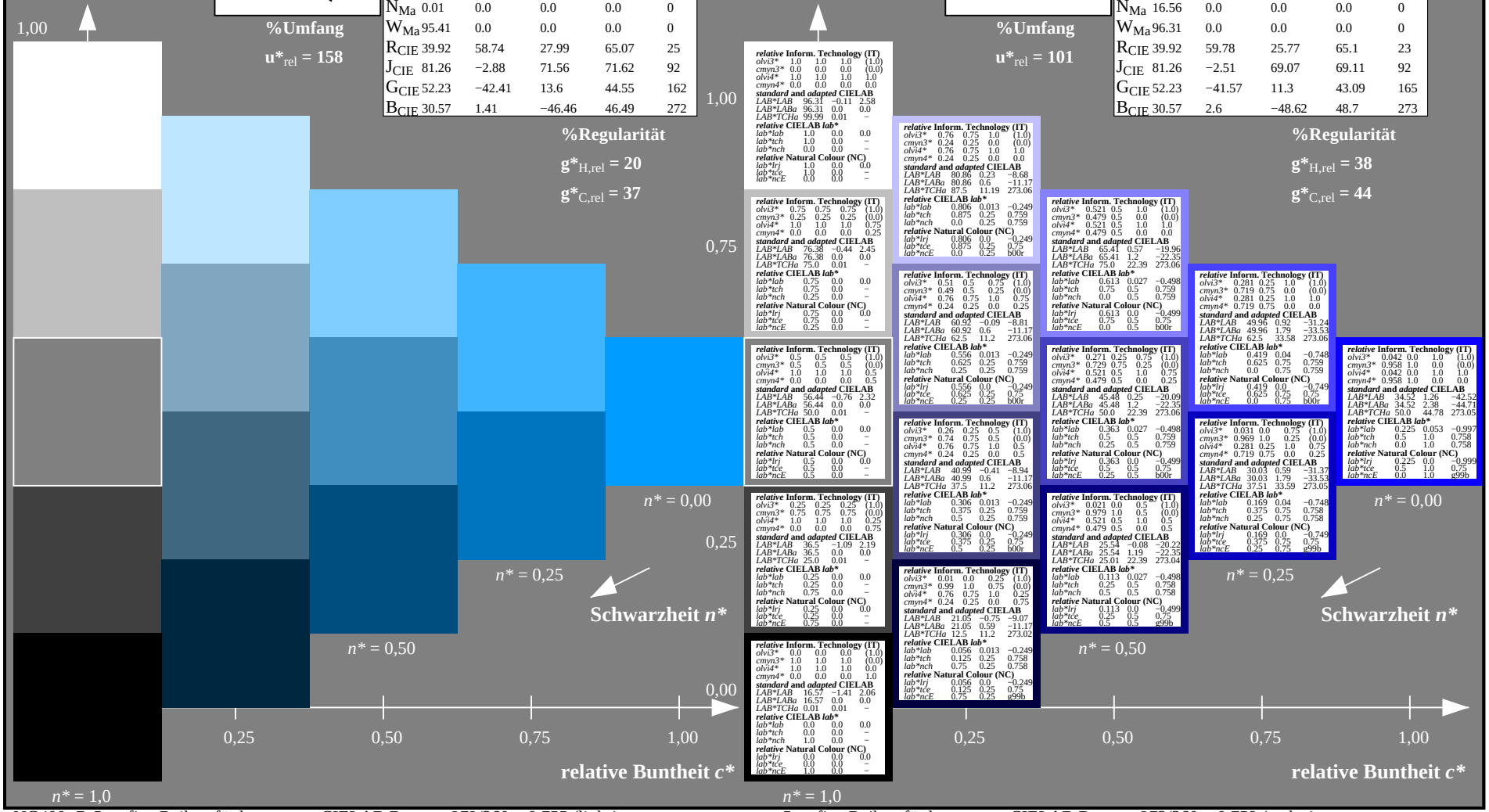


%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44



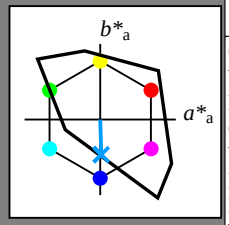
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

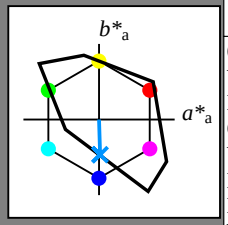
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit

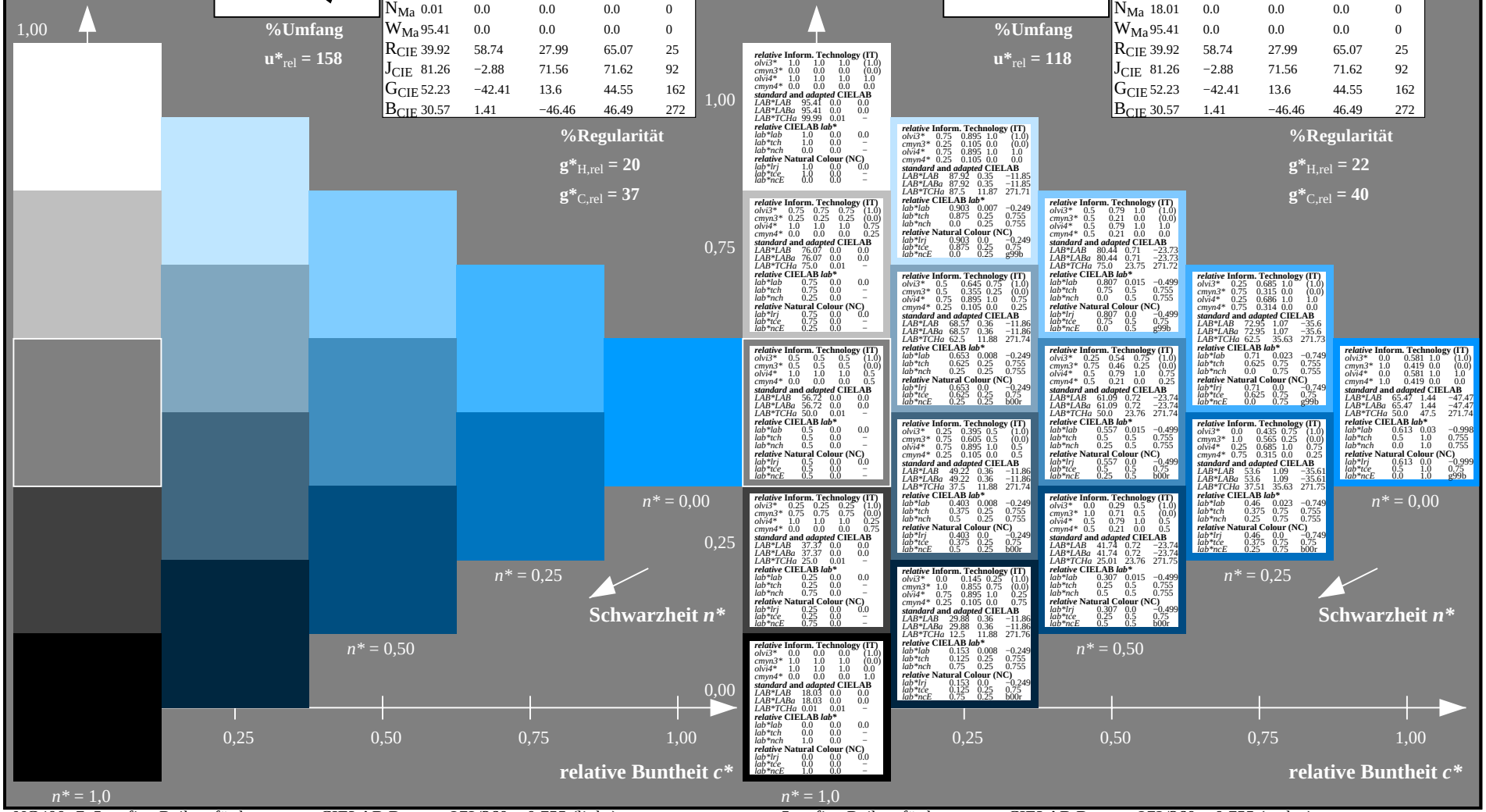


%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

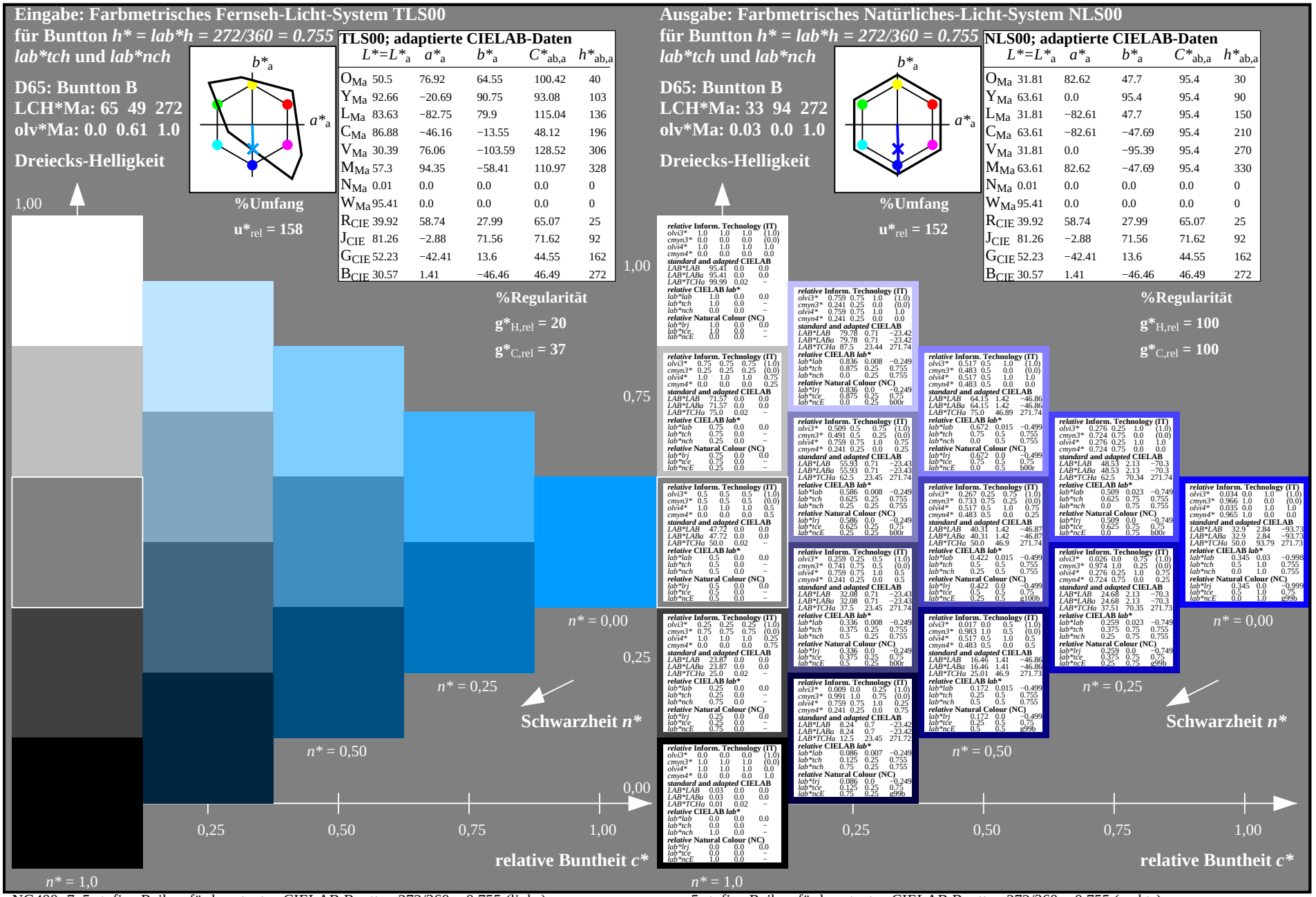
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



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

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

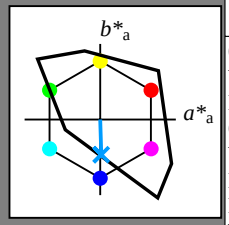
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

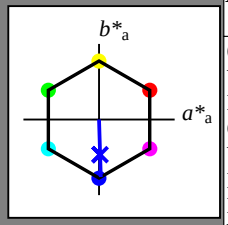
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit

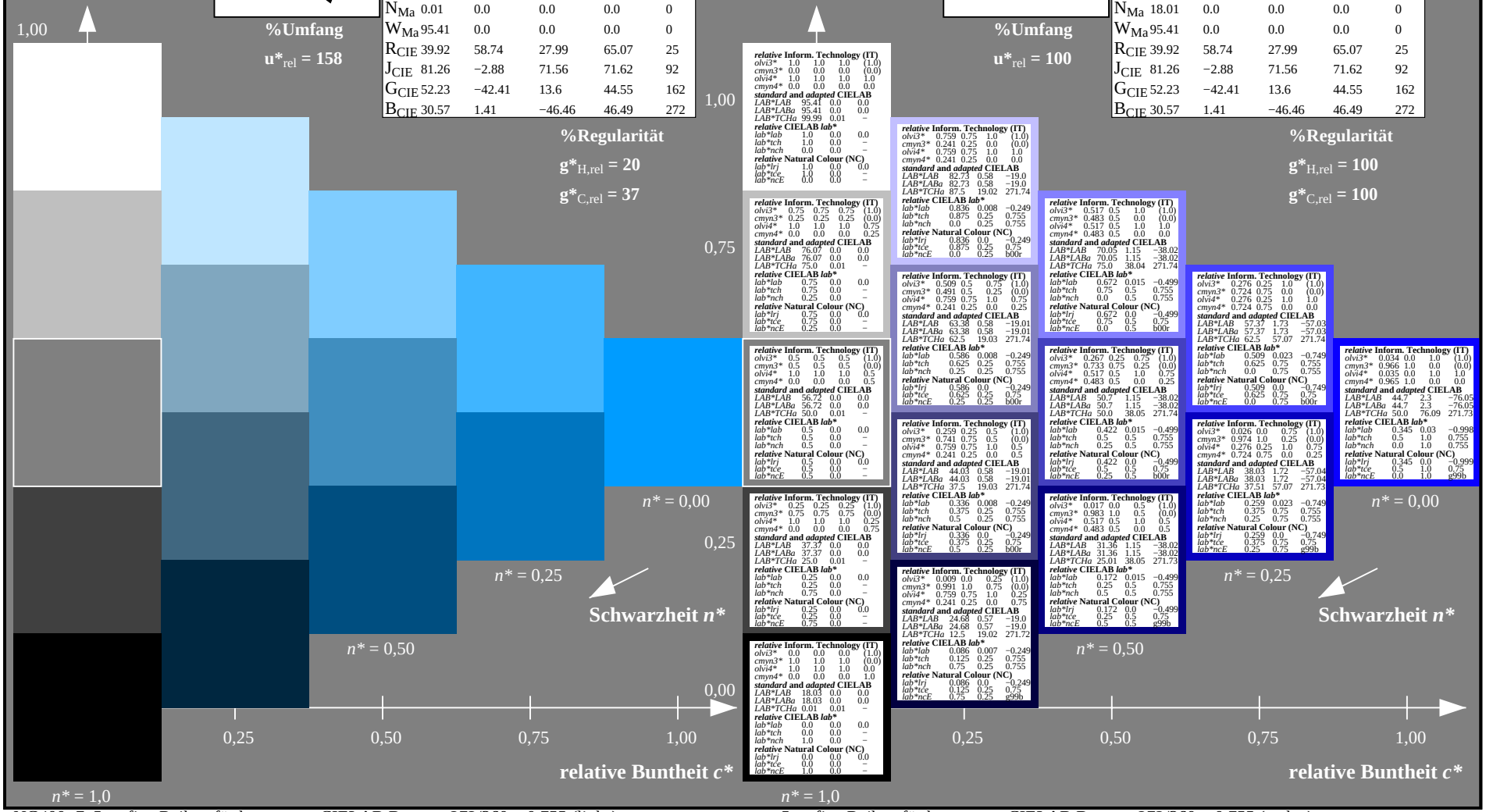


%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

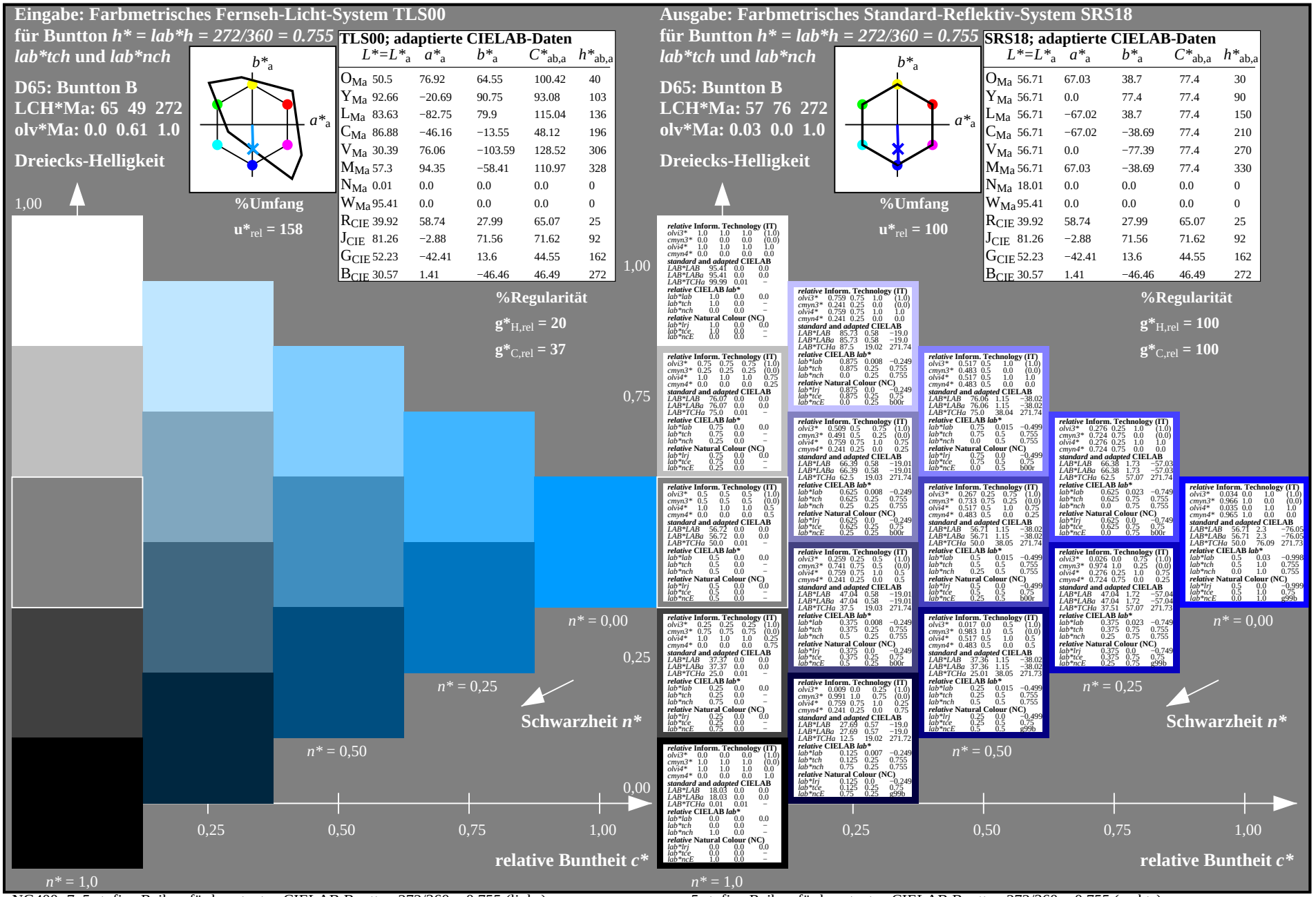
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



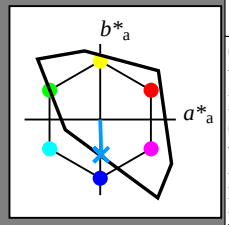
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

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



%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

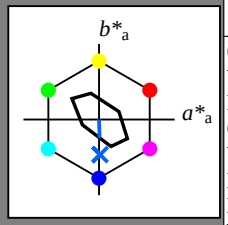
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit

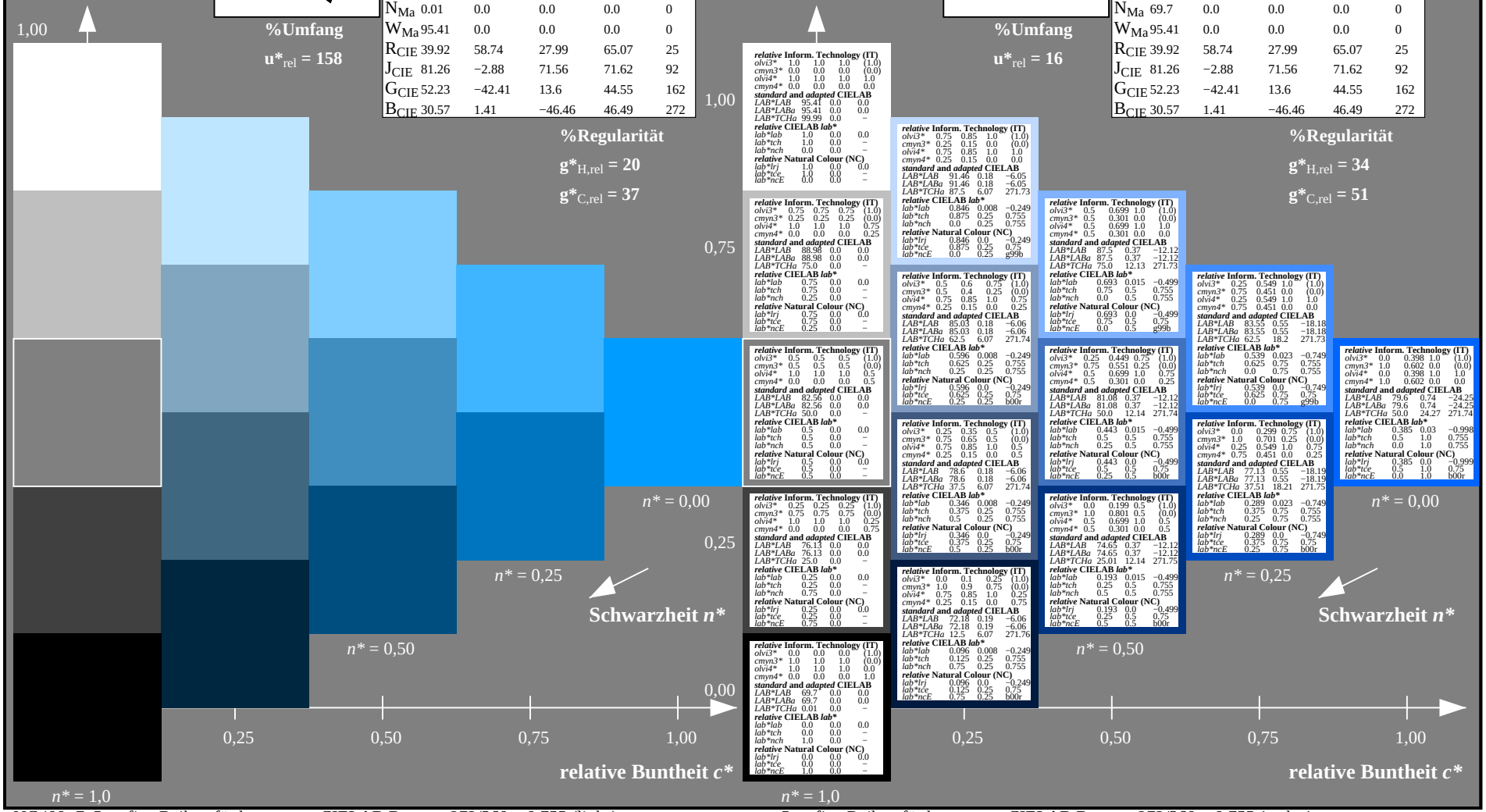


%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51



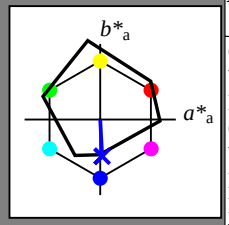
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 273/360 = 0.759*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

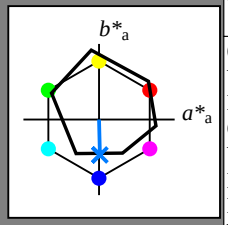
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*H,rel = 38
g*C,rel = 44

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

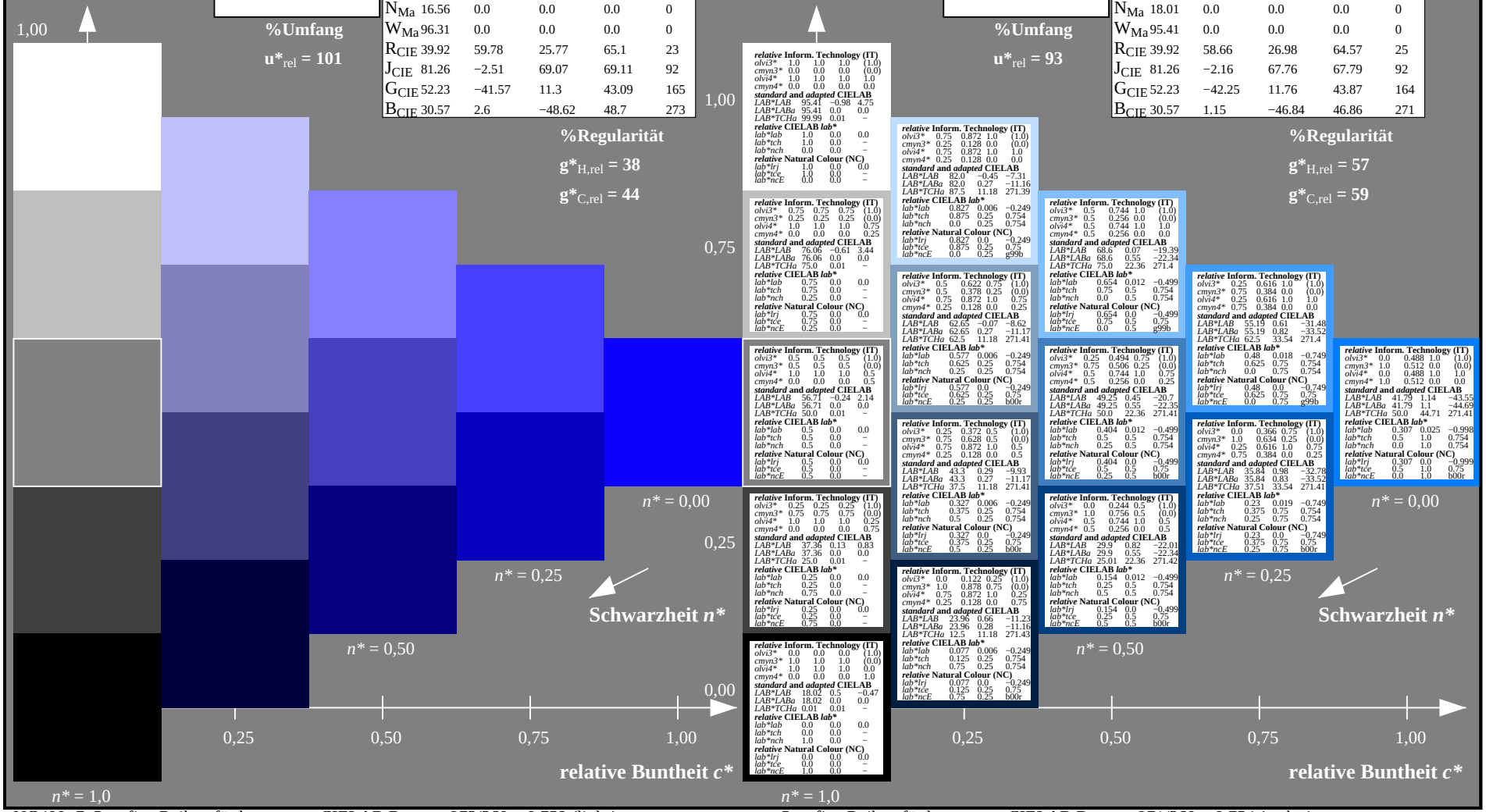


%Umfang
u*rel = 93

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



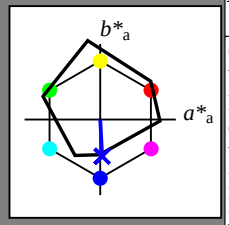
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 273/360 = 0.759*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

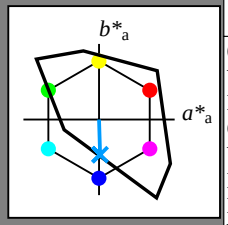
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: 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

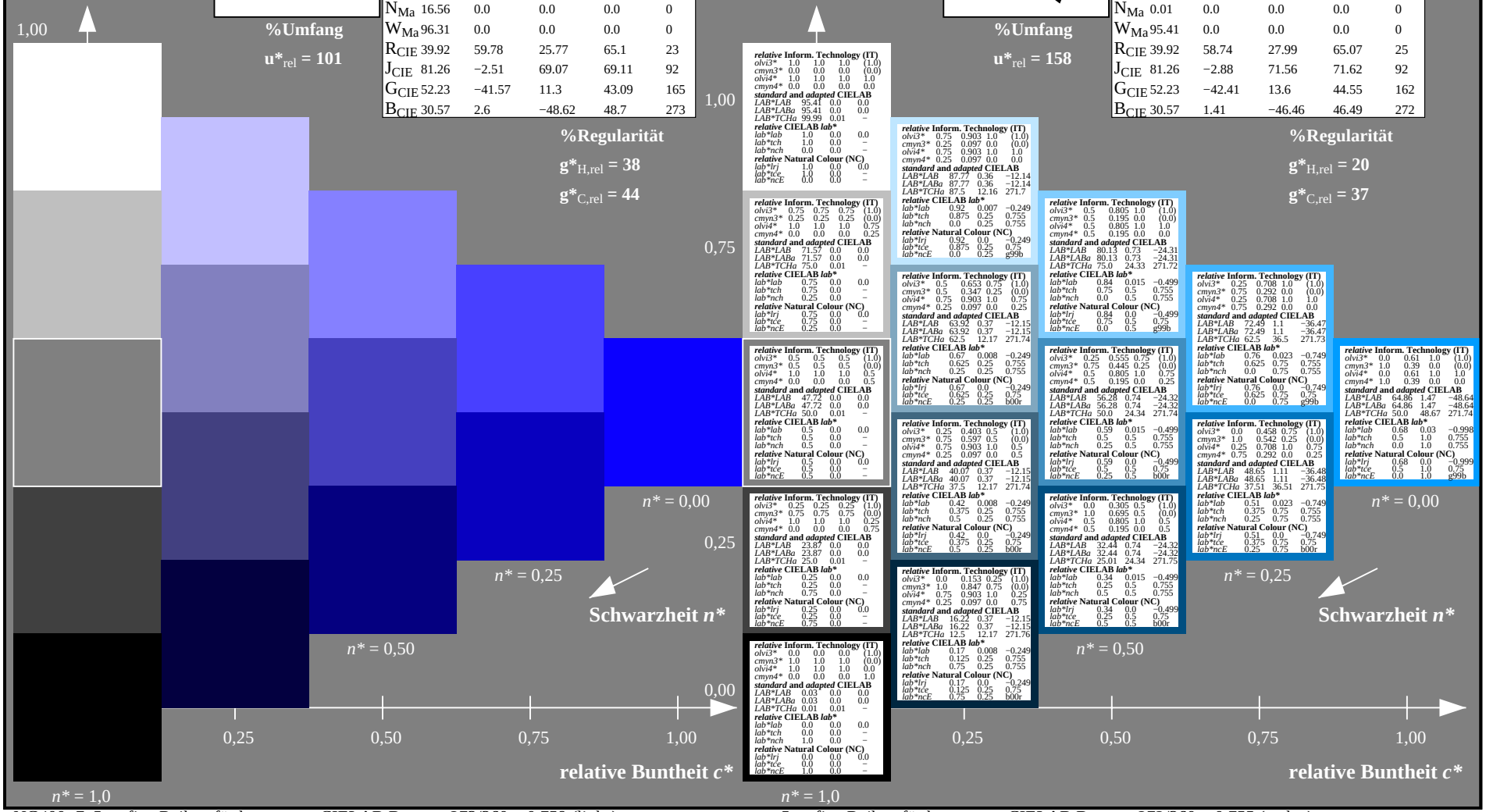


%Umfang
u*$_{rel}$ = 158

TLS00; adaptierte CIELAB-Daten

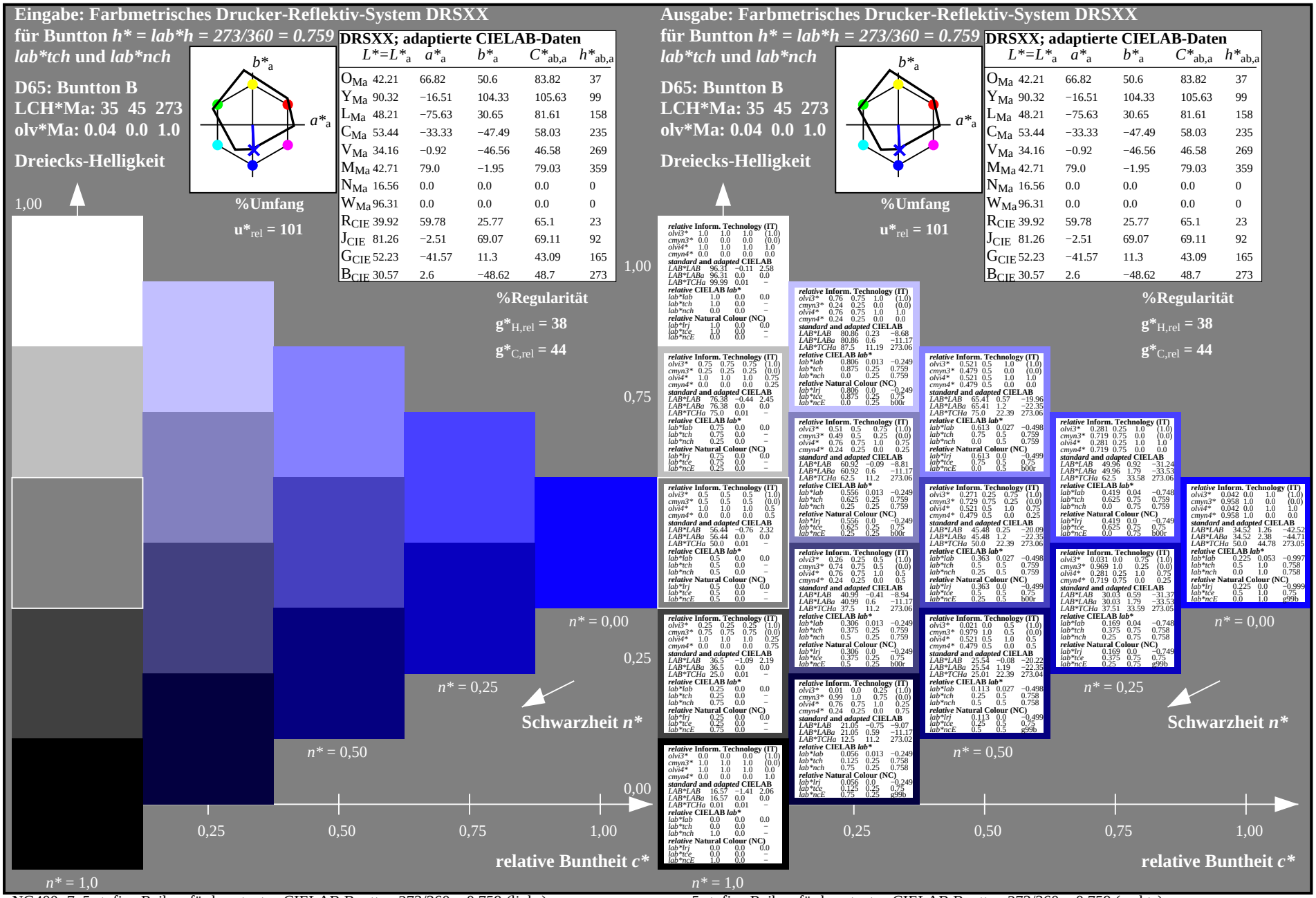
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

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



DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

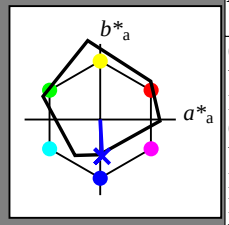
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 273/360 = 0.759*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 101

DRSXX; adaptierte CIELAB-Daten

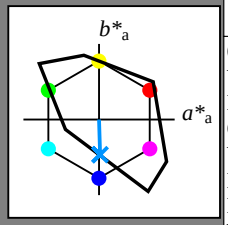
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
g*$_{H,rel}$ = 38
g*$_{C,rel}$ = 44

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 272/360 = 0.755*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

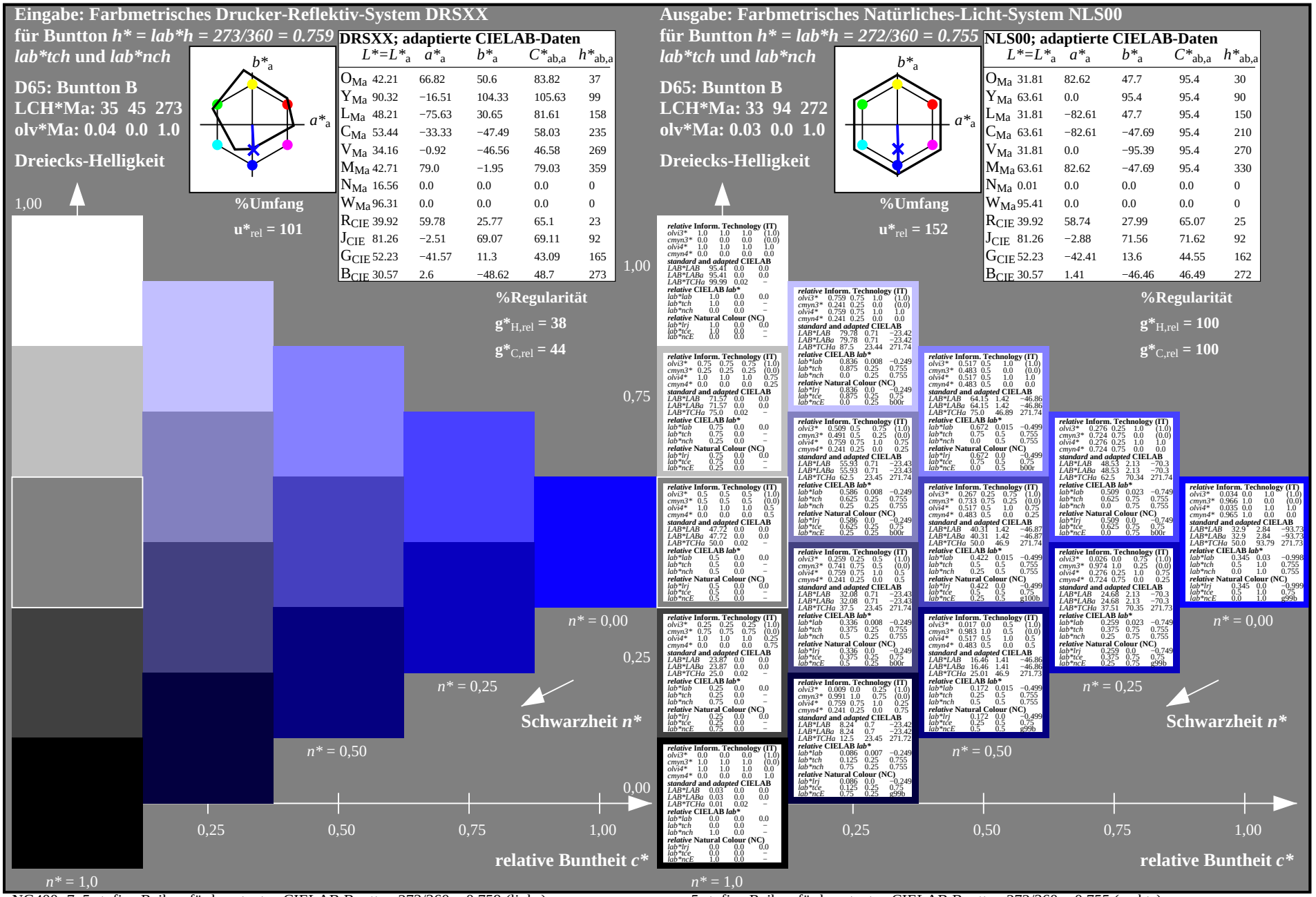
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

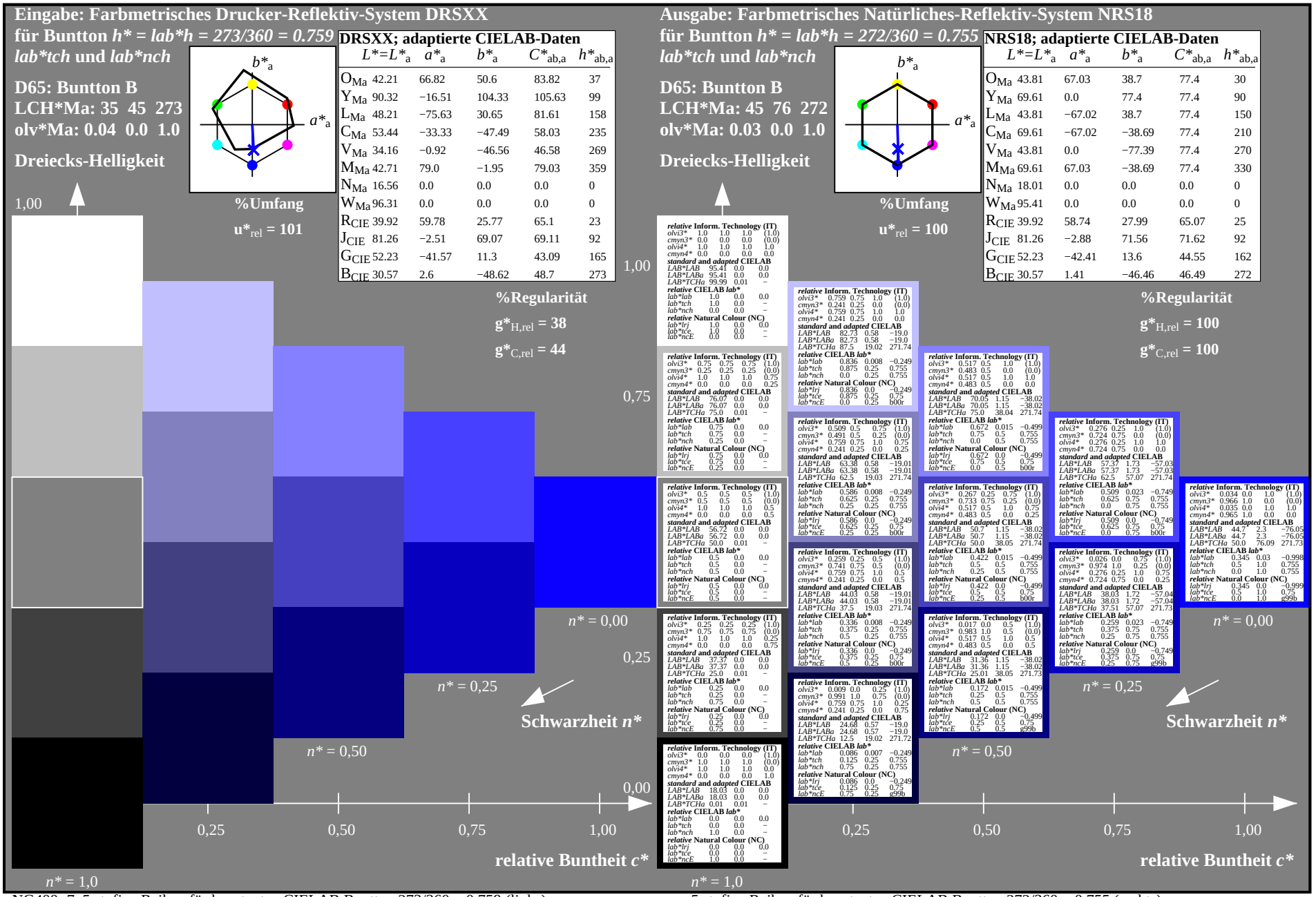
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

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



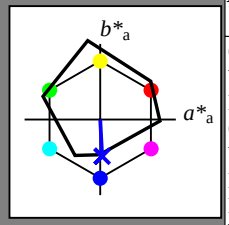
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h* = lab*h = 273/360 = 0.759*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

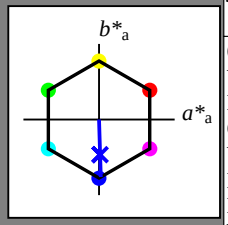
DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h* = lab*h = 272/360 = 0.755*
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

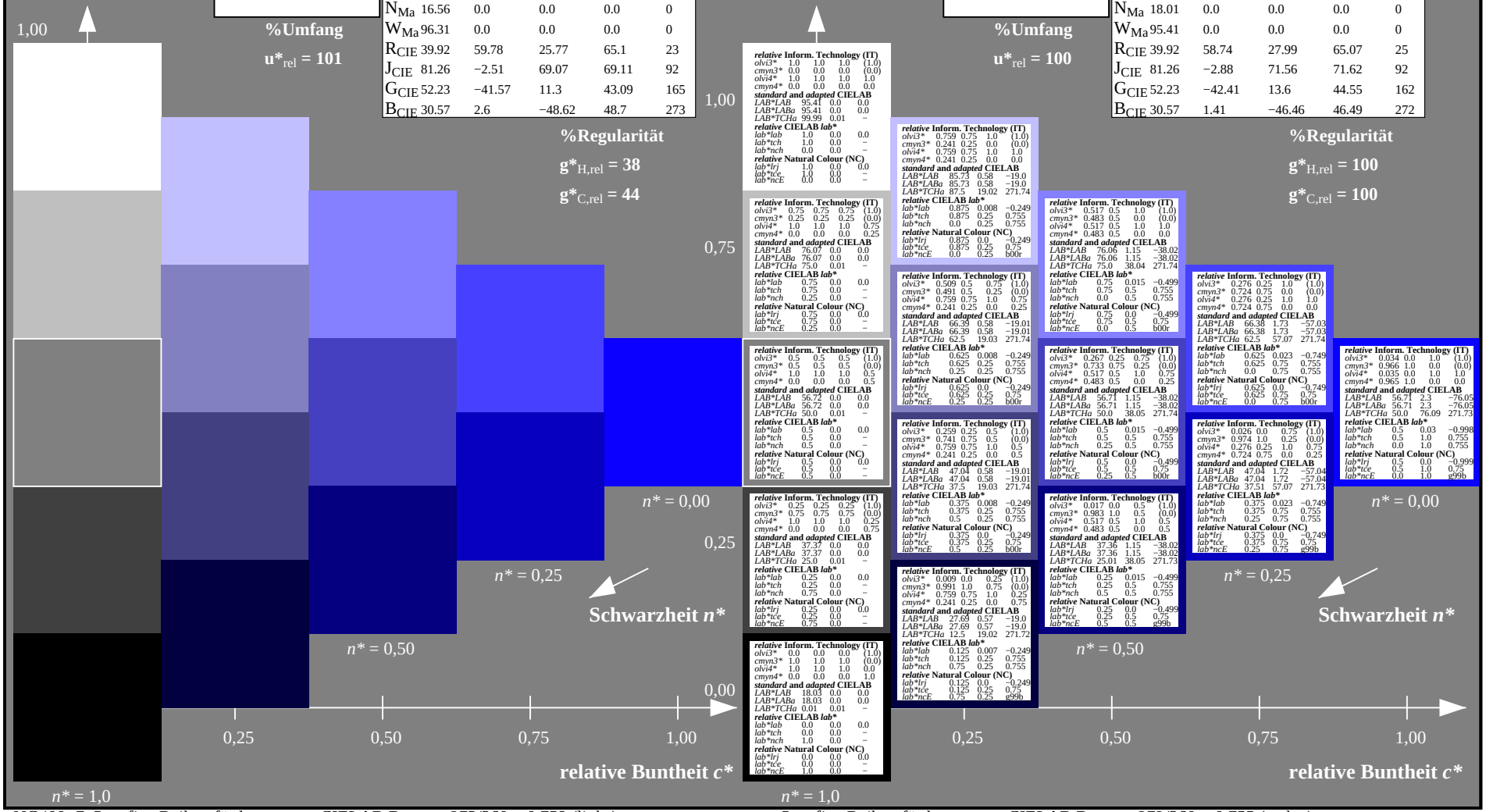
Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



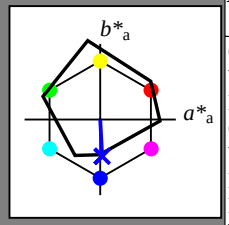
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

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

Eingabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 273/360 = 0.759***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

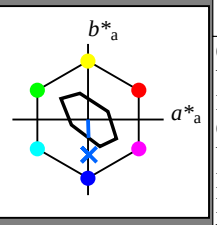
%Regularität
g*H,rel = 38
g*C,rel = 44

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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

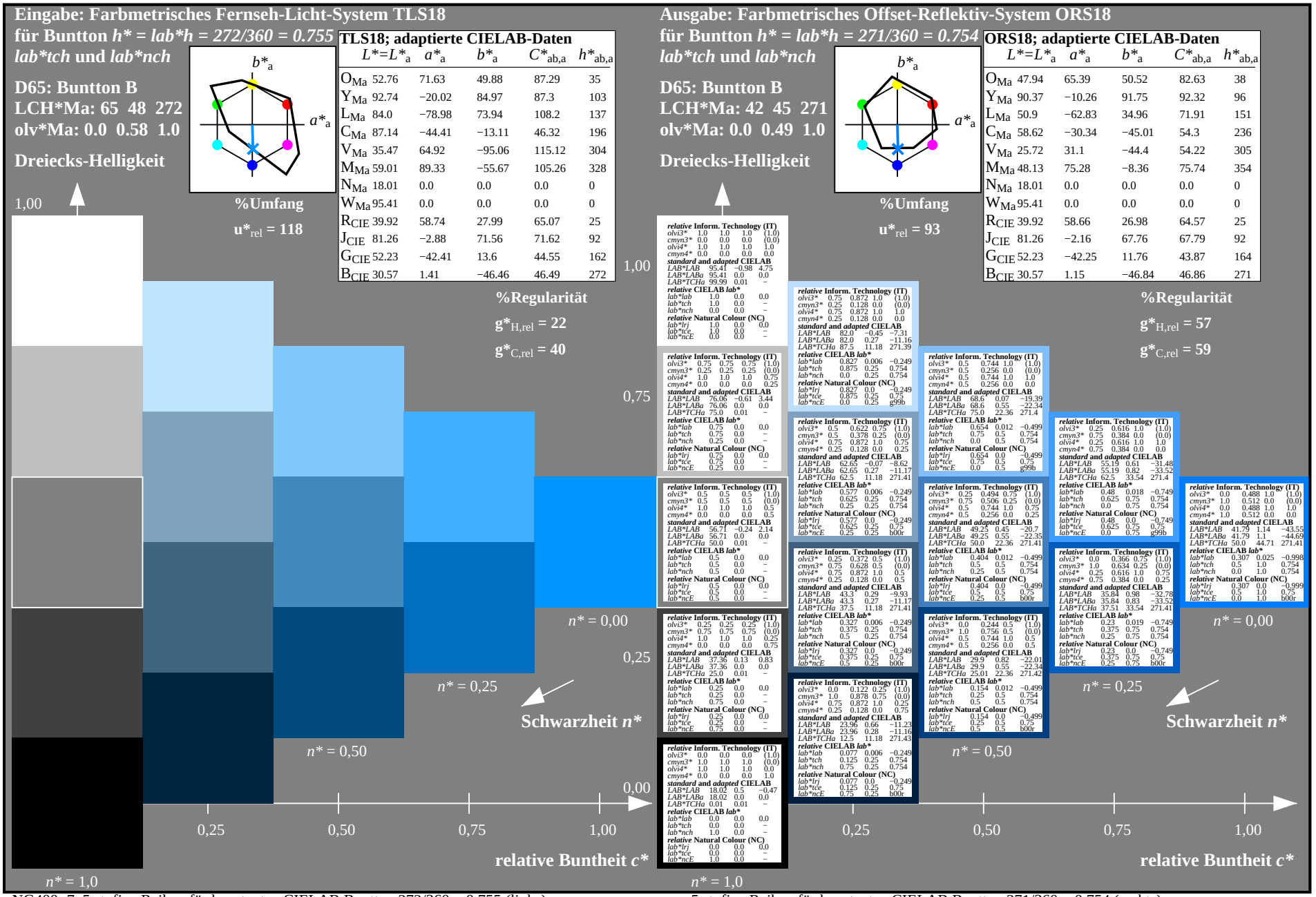
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (links)

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



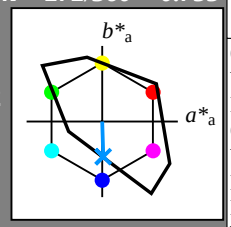
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

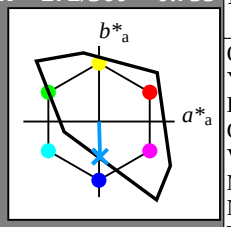
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: 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

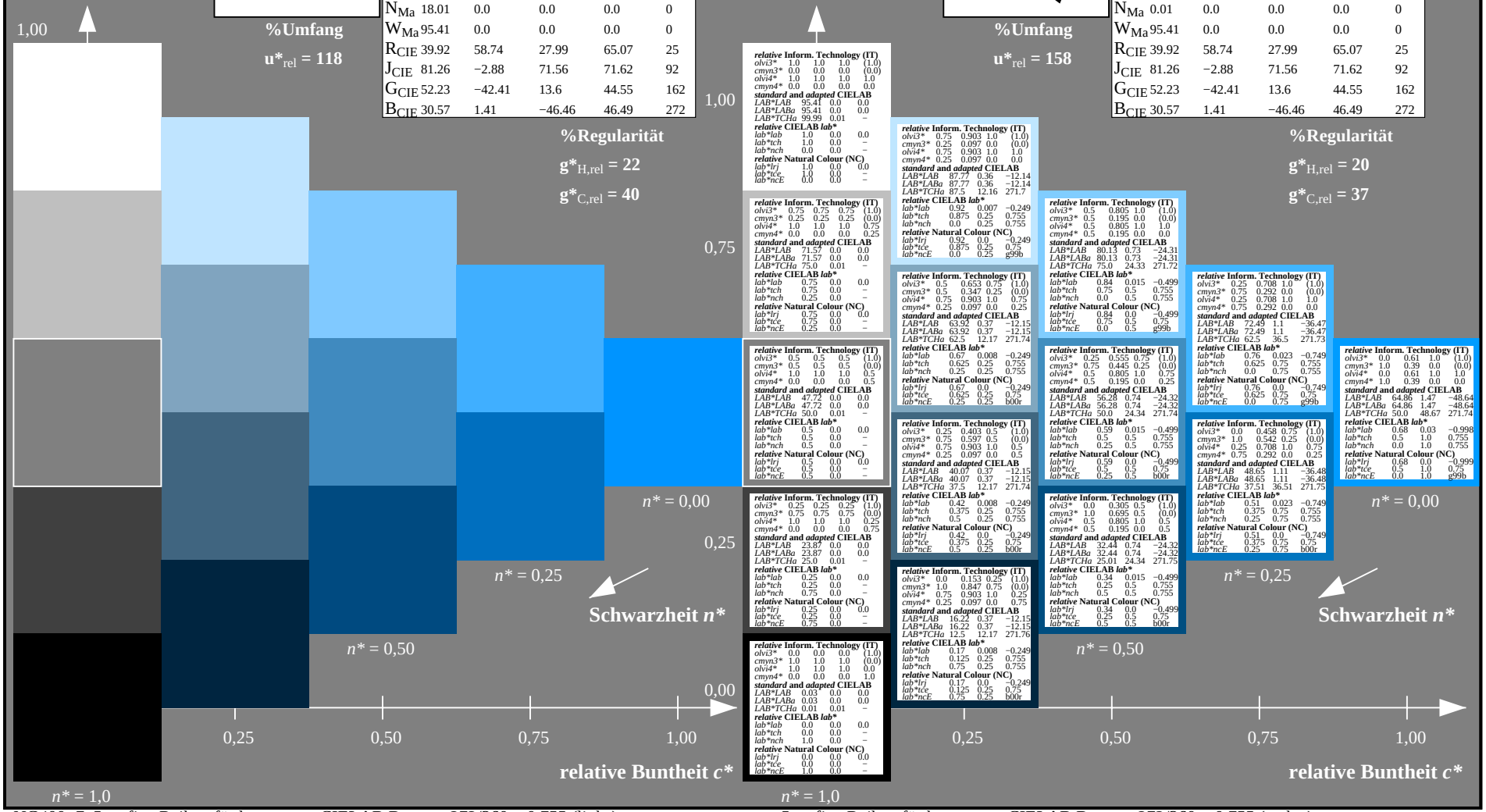


%Umfang
u^*_{rel} = 158

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



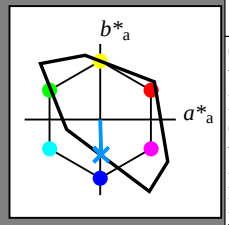
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

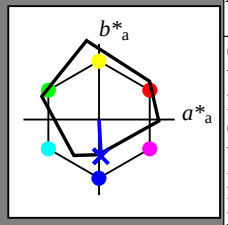
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 273/360 = 0.759***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit

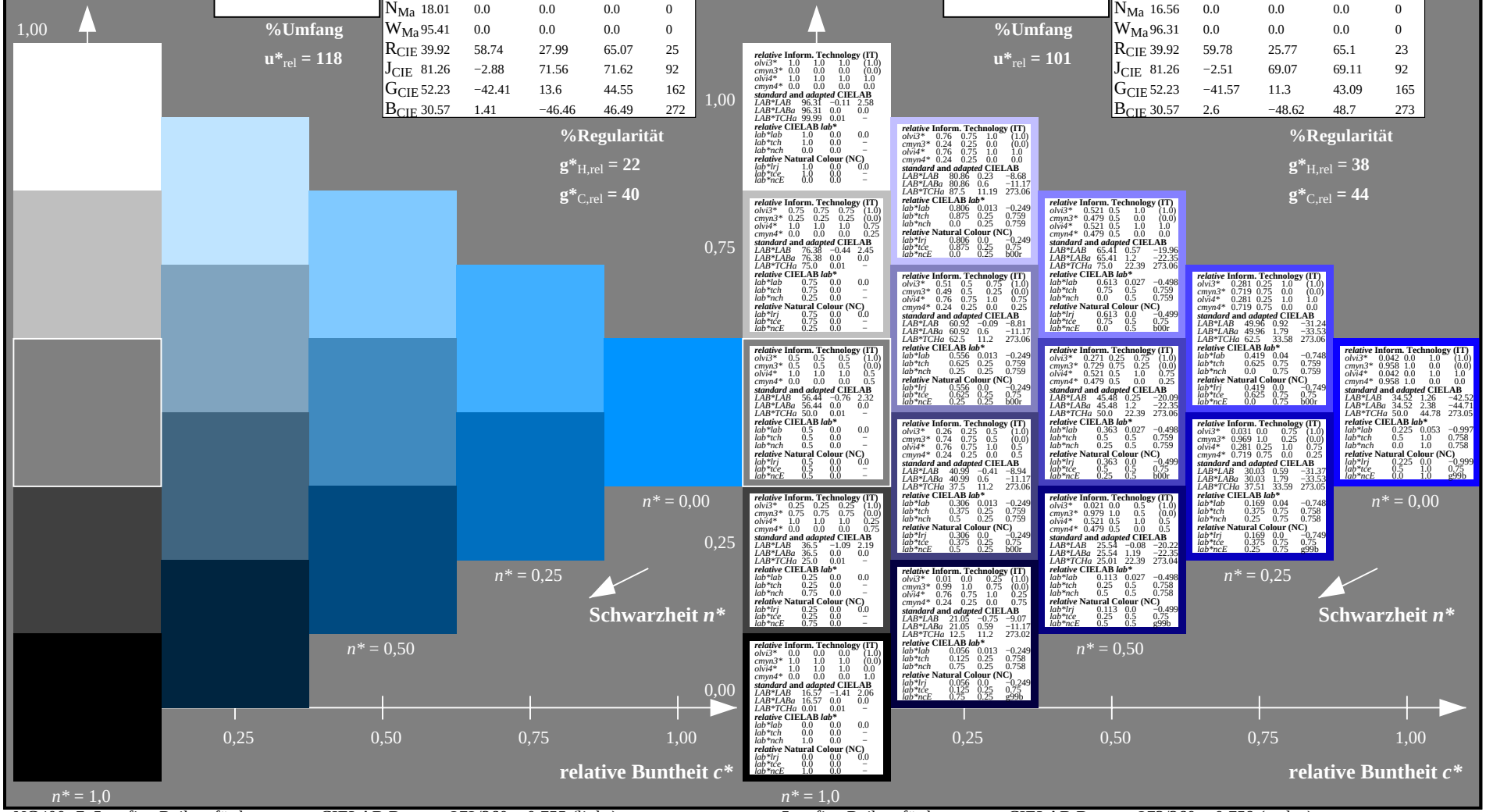


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



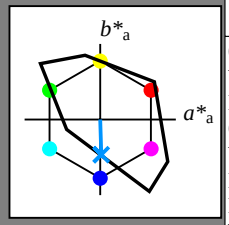
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

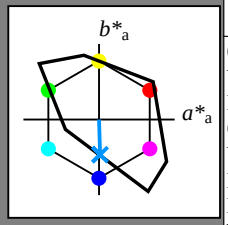
%Regularität
g*H,rel = 22
g*C,rel = 40

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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

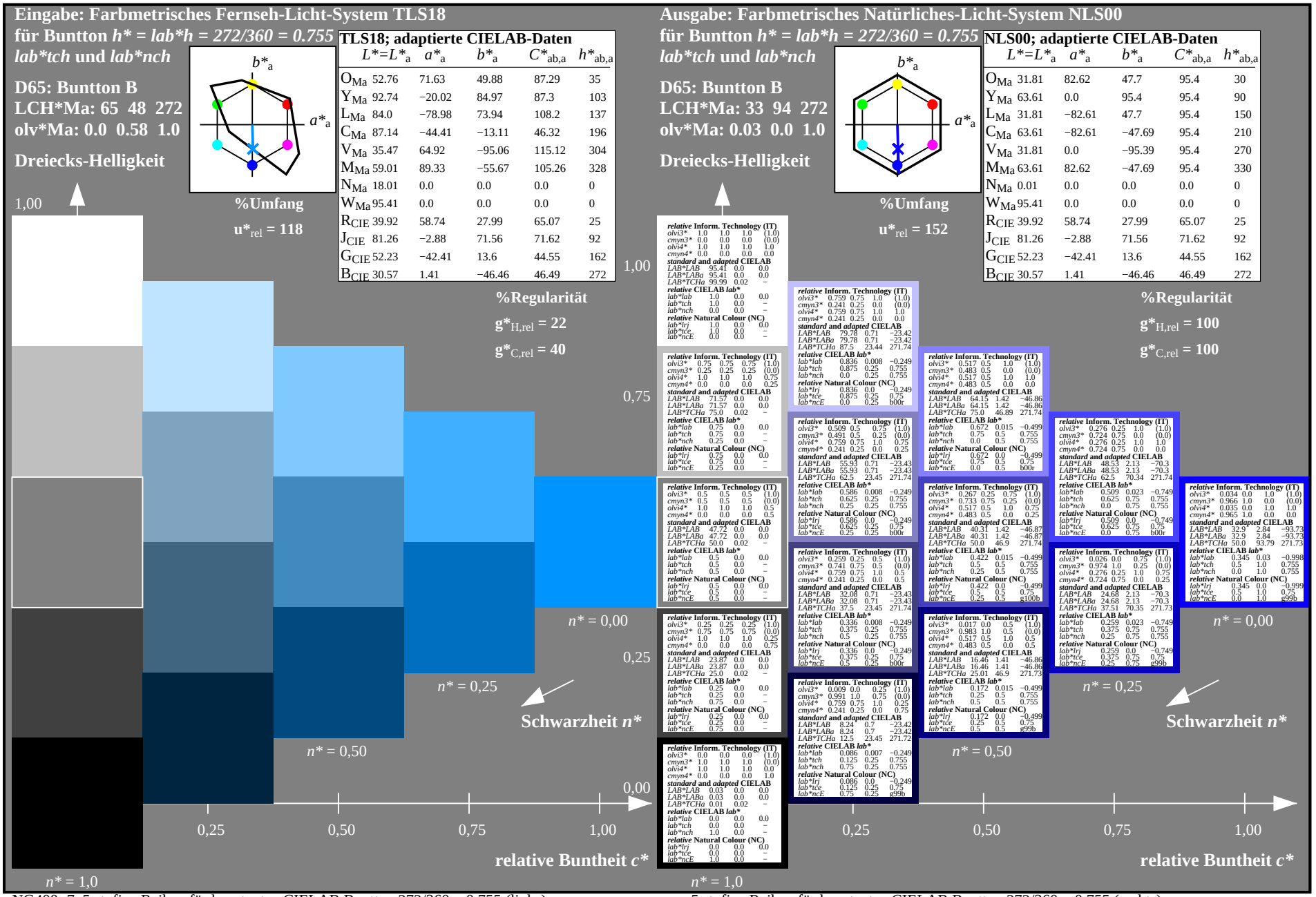
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



TLS18; adaptierte CIELAB-Daten

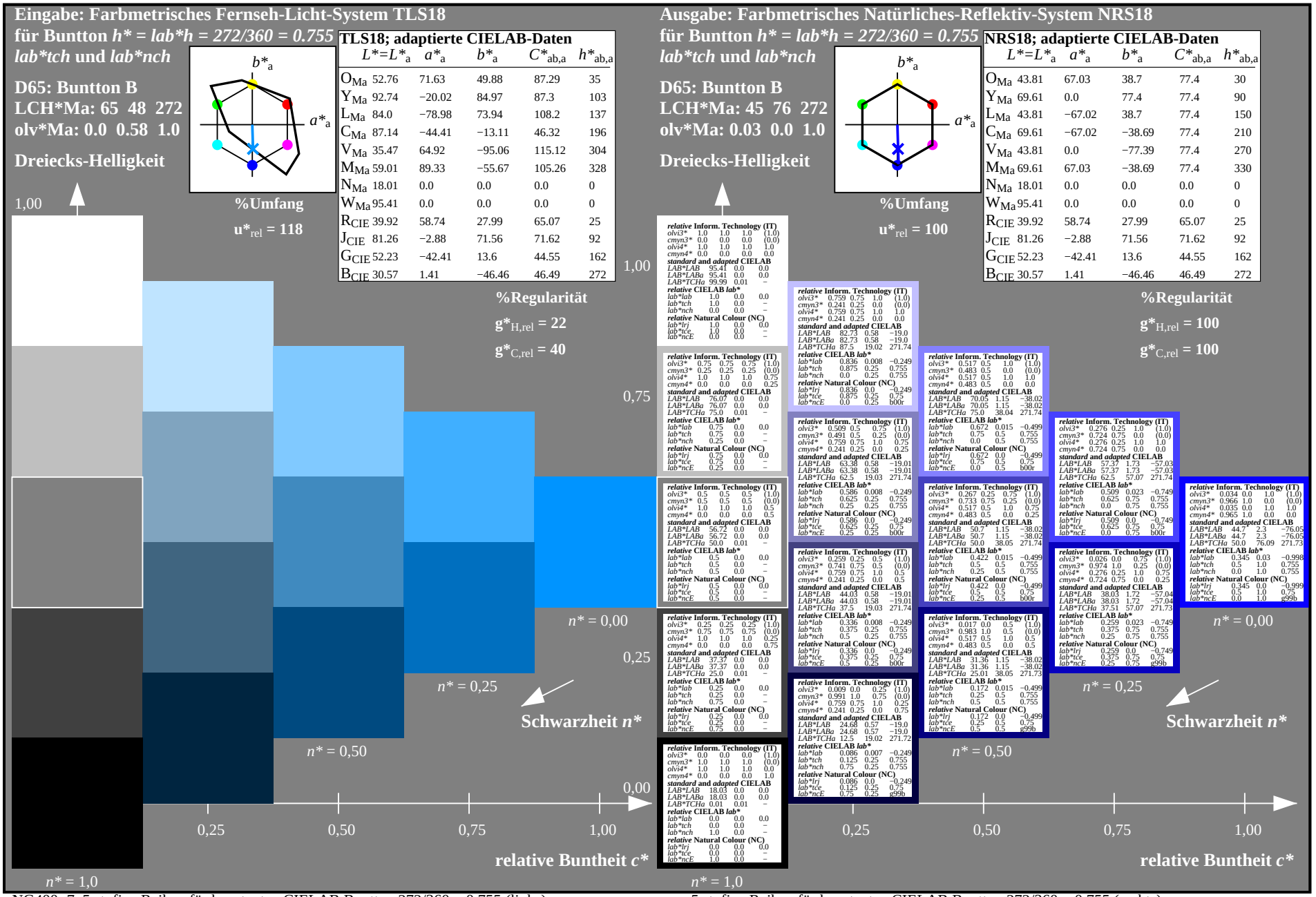
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



TLS18; adaptierte CIELAB-Daten

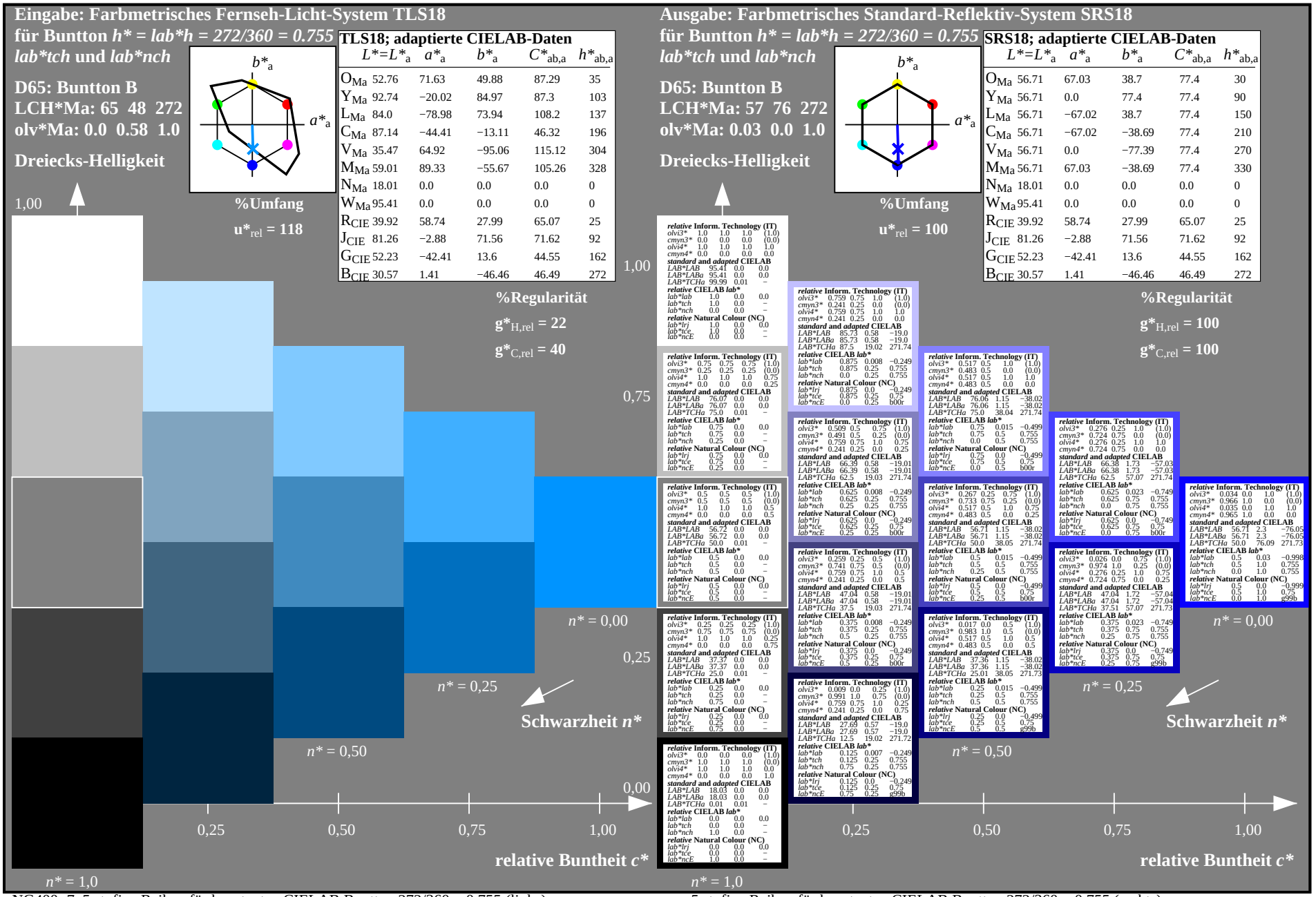
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



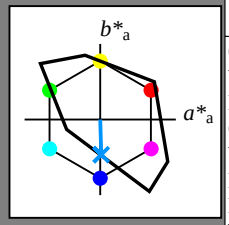
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

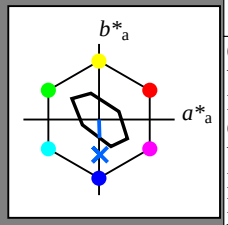
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit

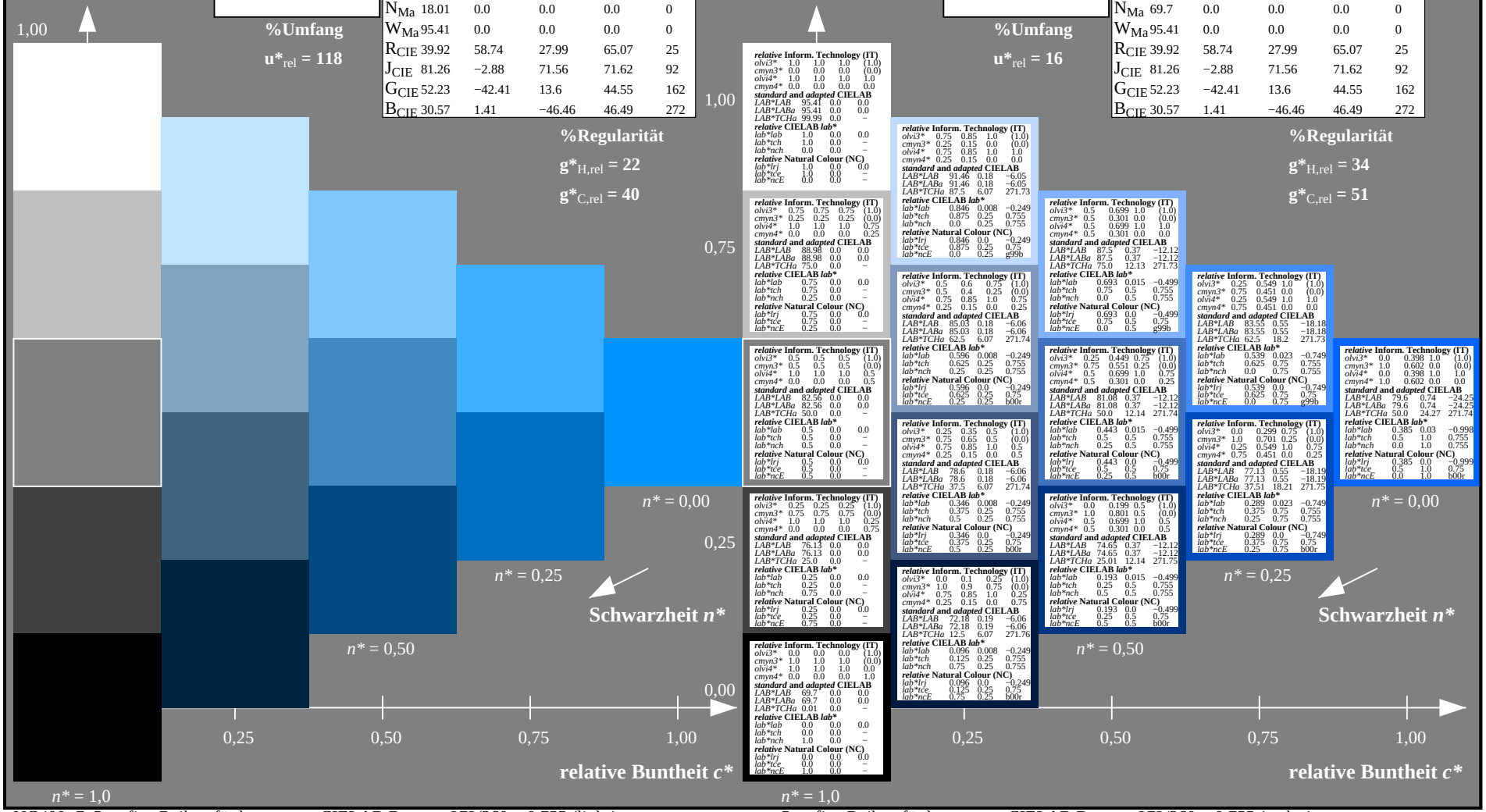


%Umfang
u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 34
g*$_{C,rel}$ = 51



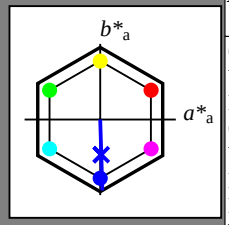
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 33 94 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

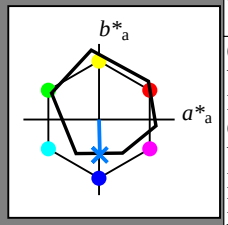
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

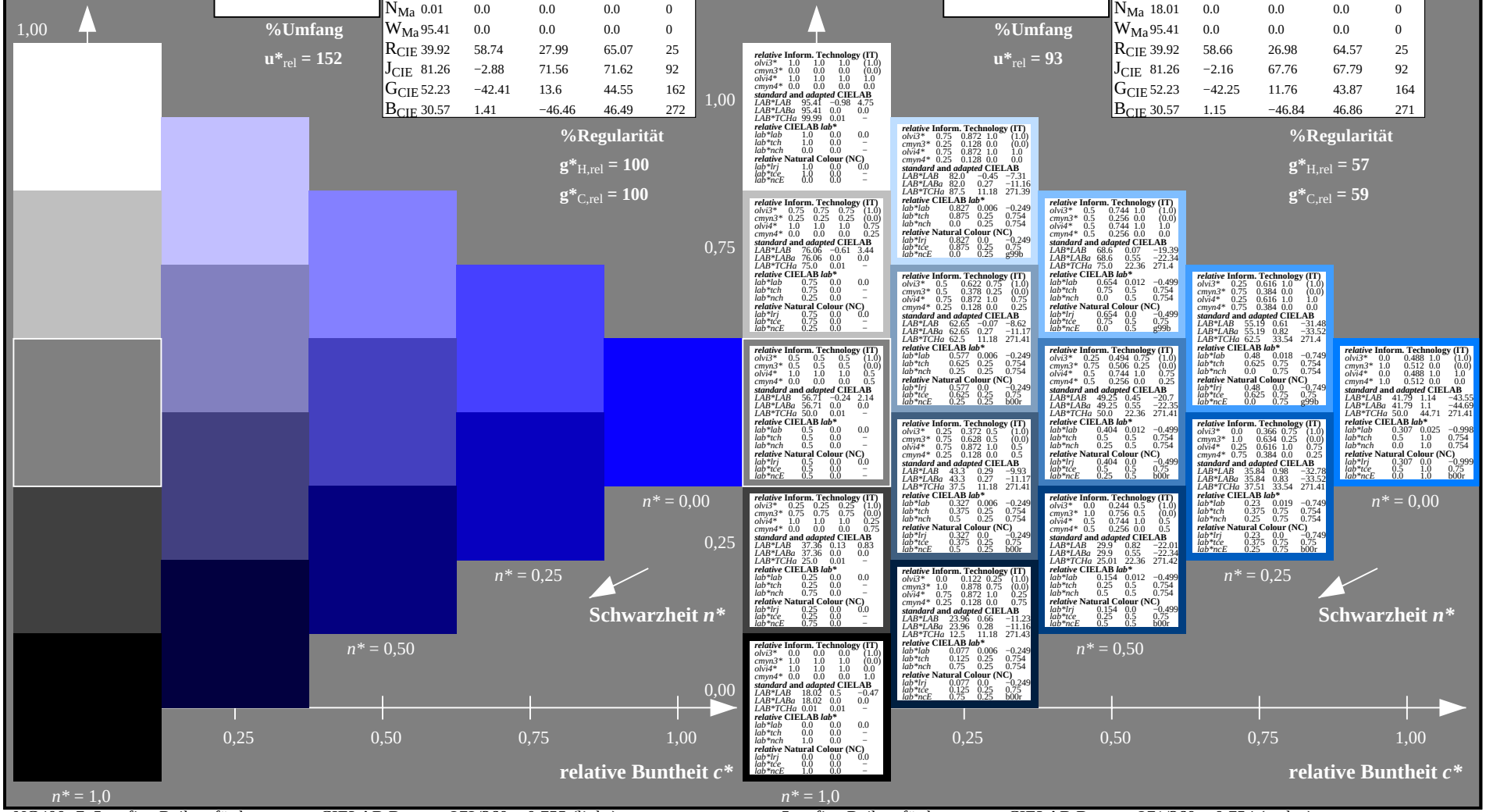


%Umfang
u*rel = 93

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



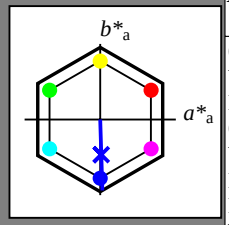
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 33 94 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

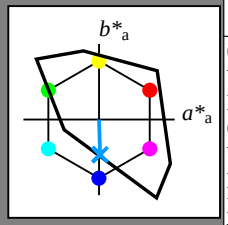
NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: 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

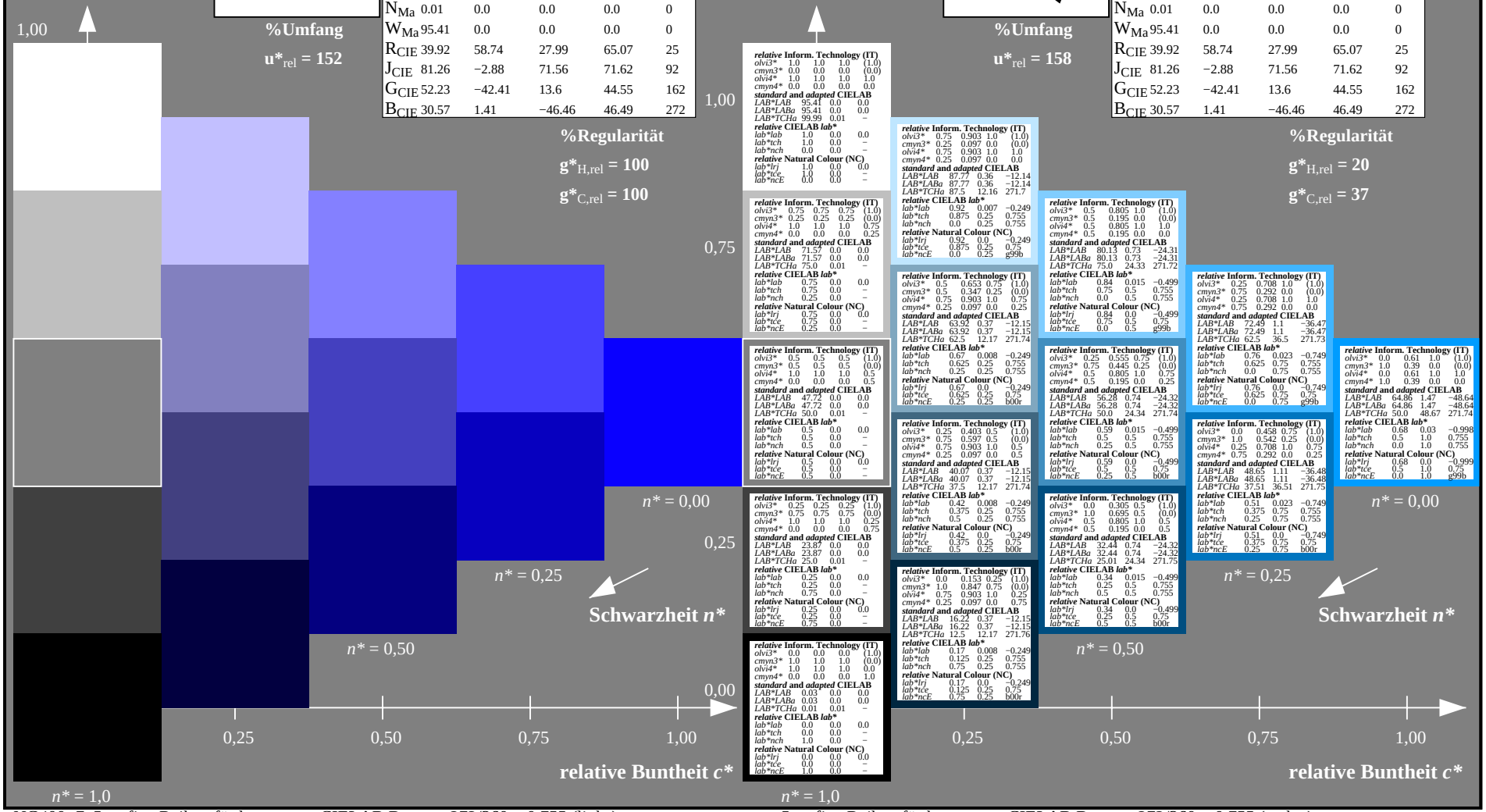
Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 158

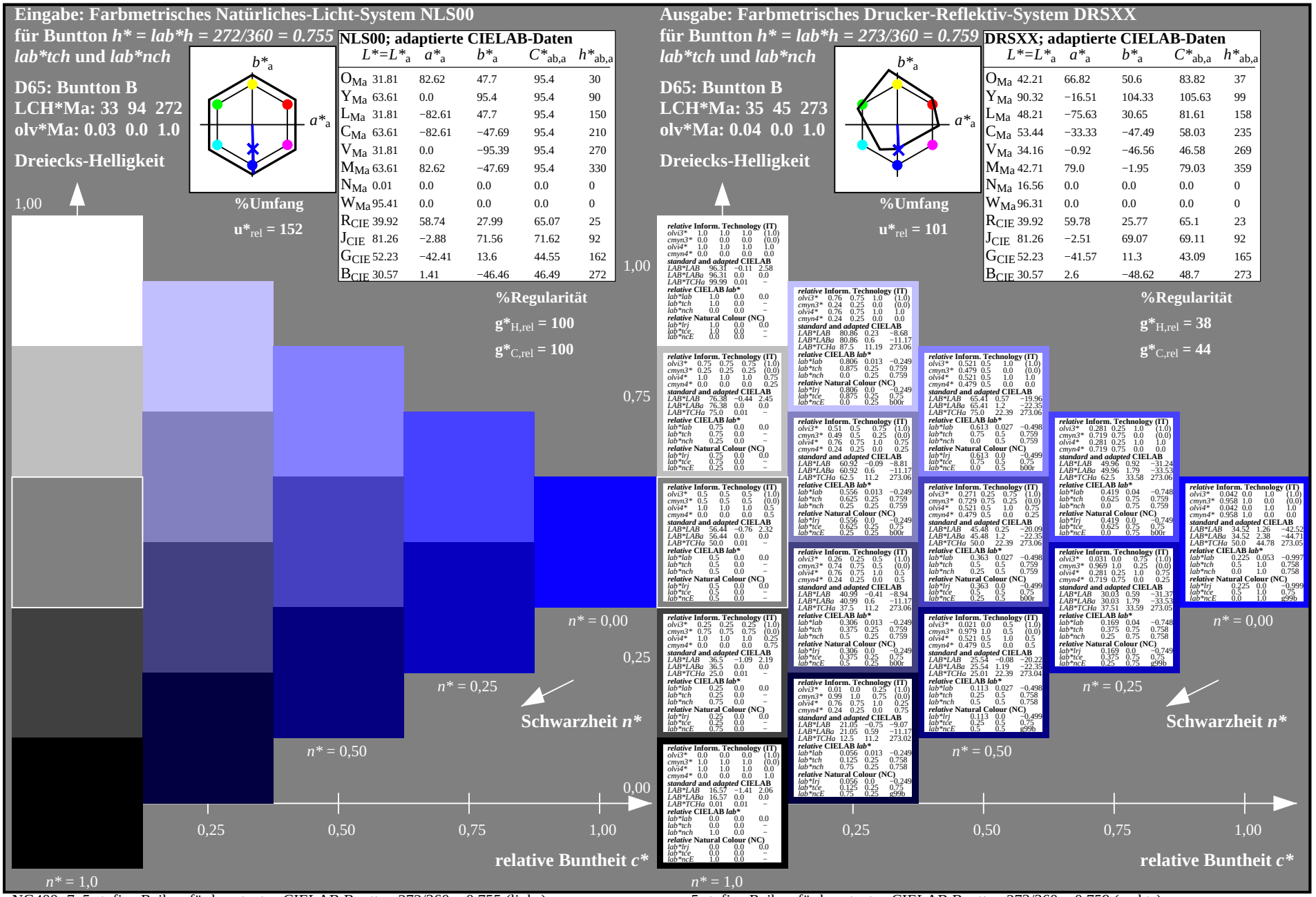
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



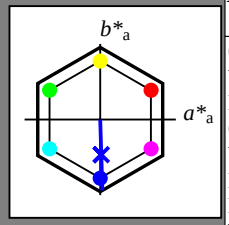
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 33 94 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 152

NLS00; adaptierte CIELAB-Daten

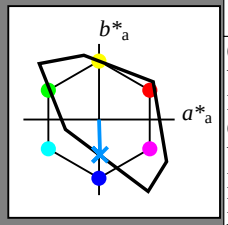
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit

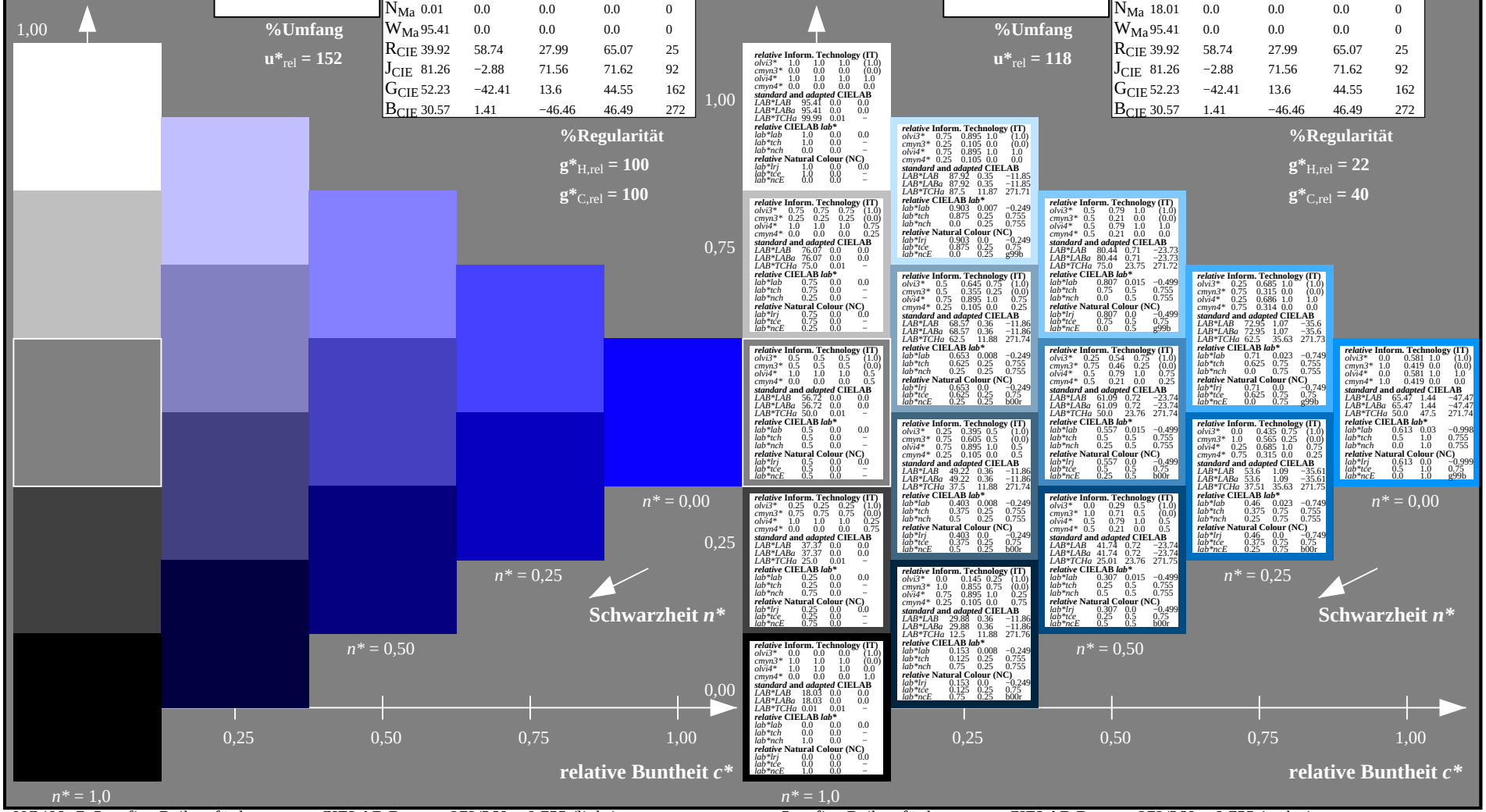


%Umfang
u*rel = 118

TLS18; adaptierte CIELAB-Daten

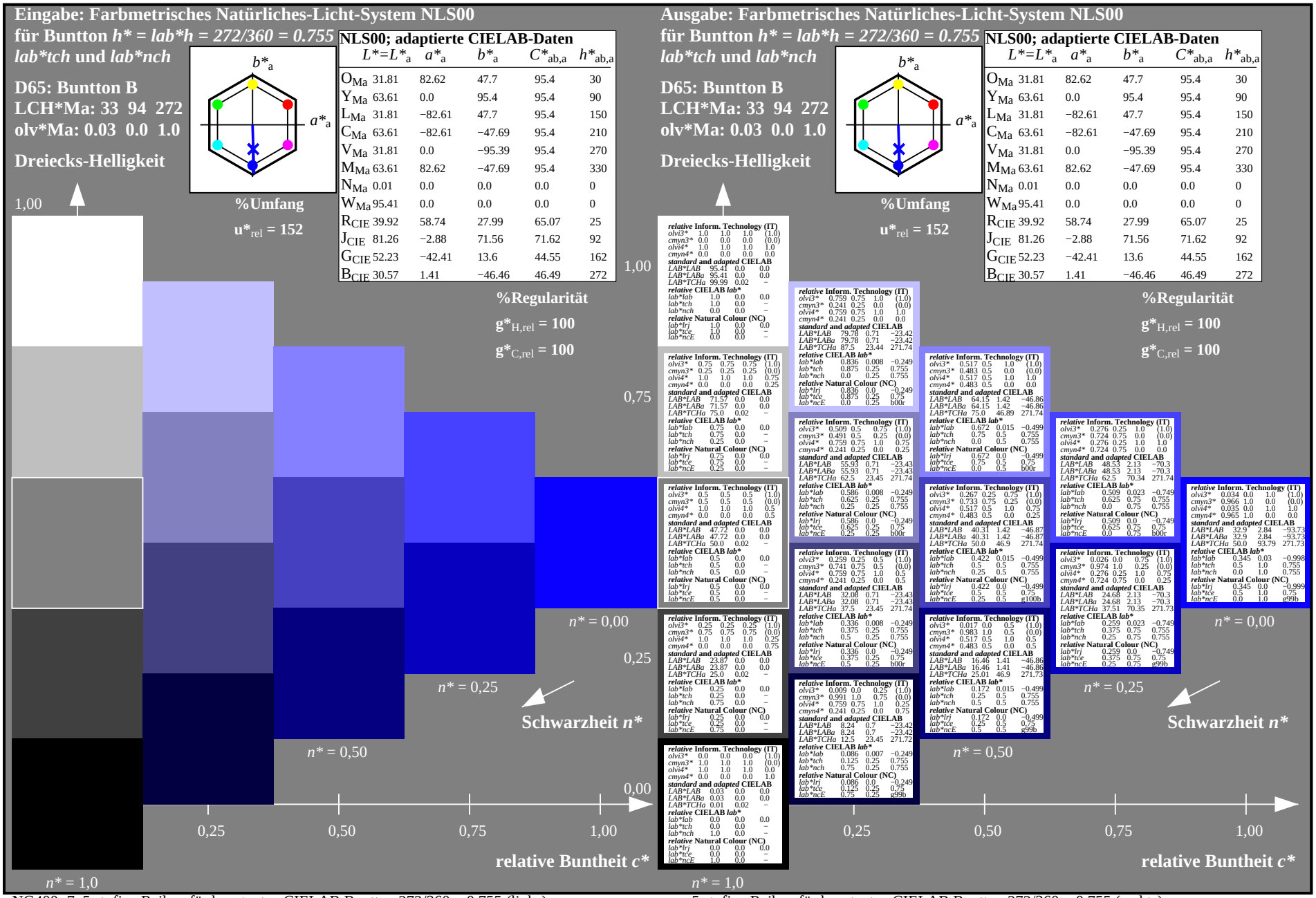
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 22
g*C,rel = 40



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



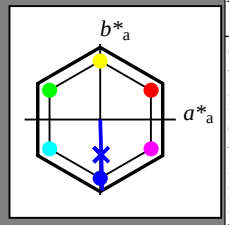
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Natürliches-Licht-System NLS00
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 33 94 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 152

NLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	31.81	82.62	47.7	95.4	30
Y_{Ma}	63.61	0.0	95.4	95.4	90
L_{Ma}	31.81	−82.61	47.7	95.4	150
C_{Ma}	63.61	−82.61	−47.69	95.4	210
V_{Ma}	31.81	0.0	−95.39	95.4	270
M_{Ma}	63.61	82.62	−47.69	95.4	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

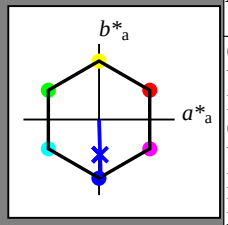
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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 Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

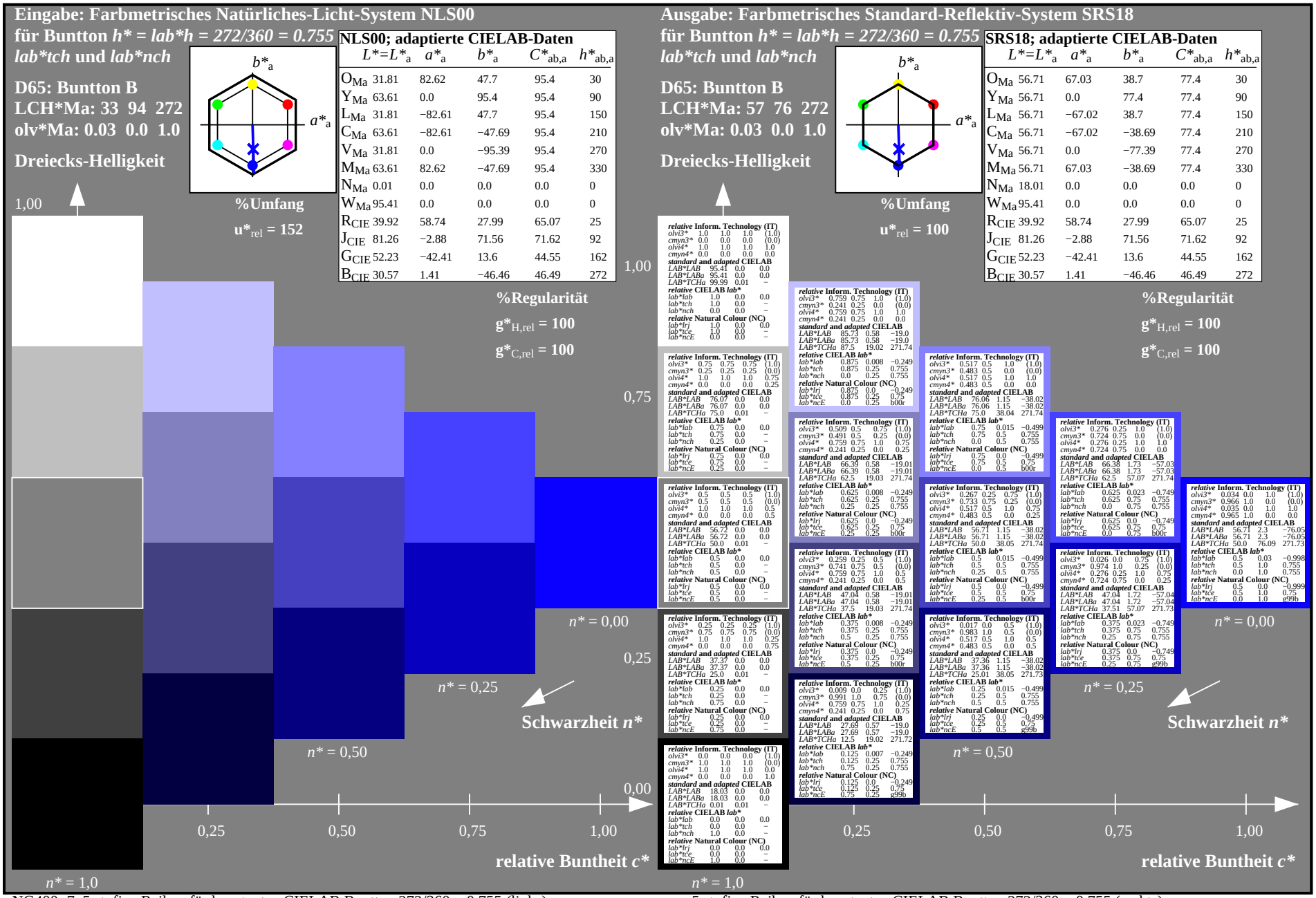
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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**

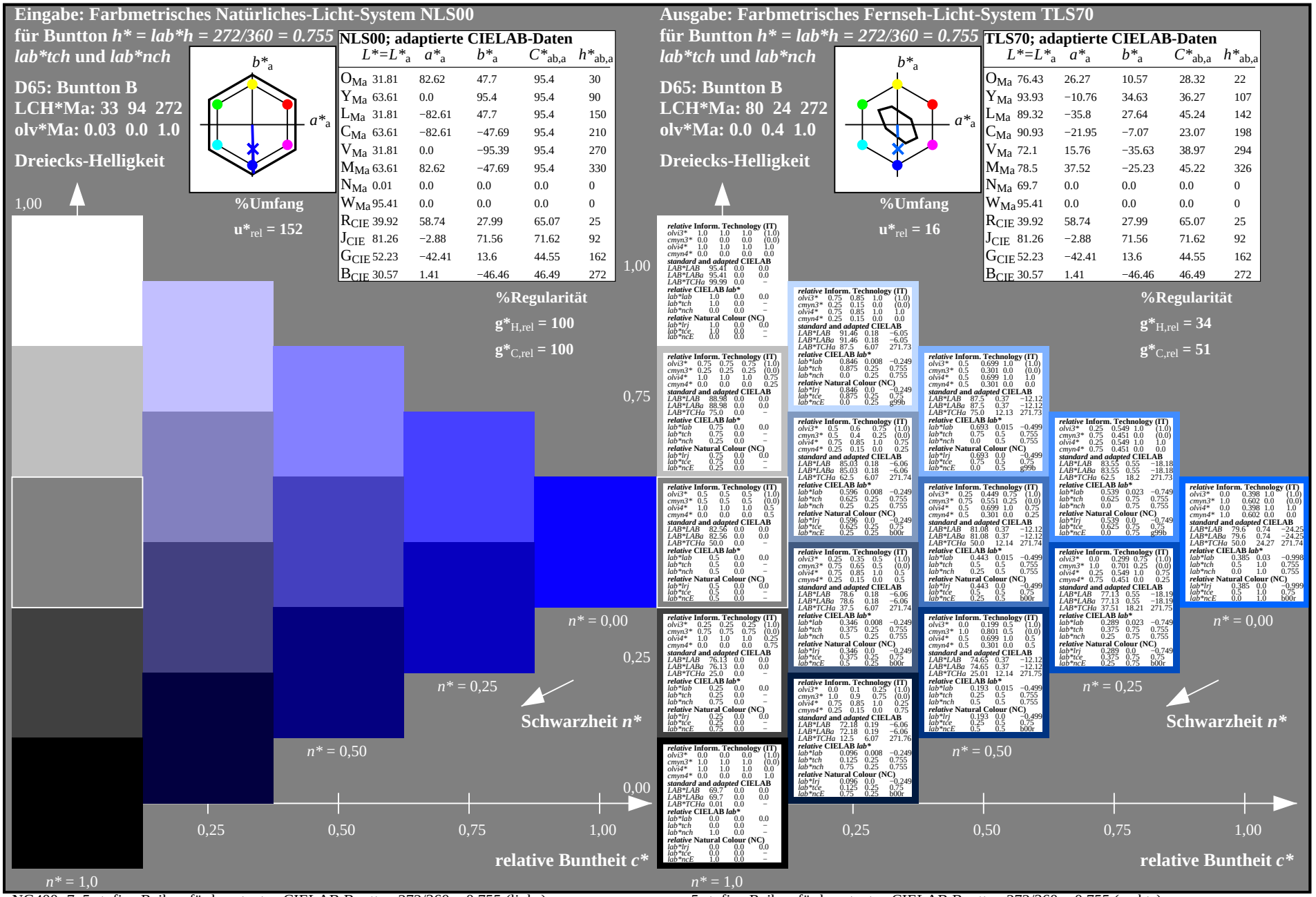
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



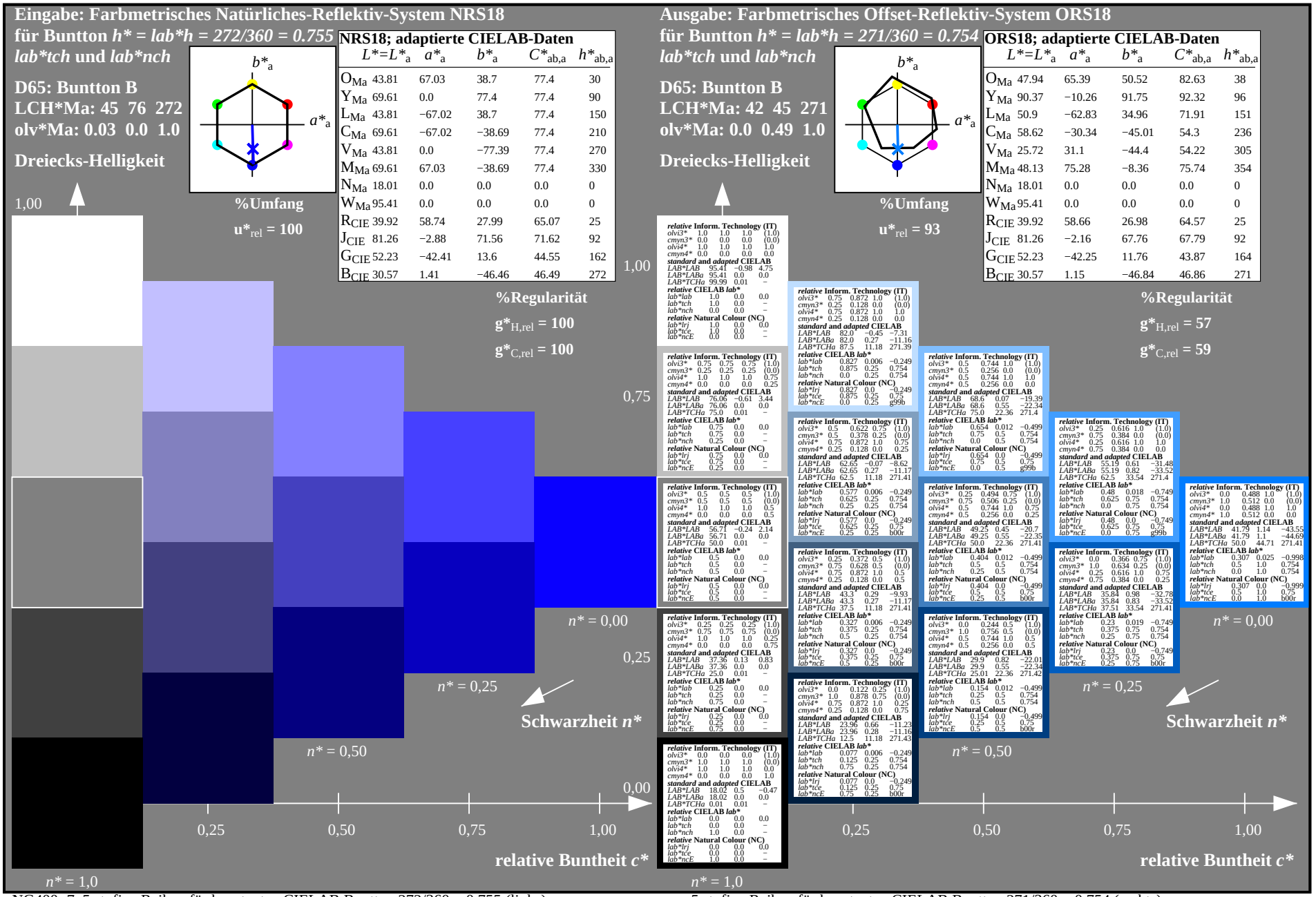
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



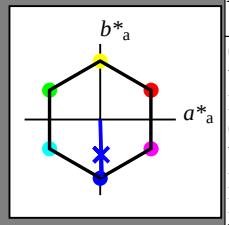
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100

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

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

Schwarzheit *n**

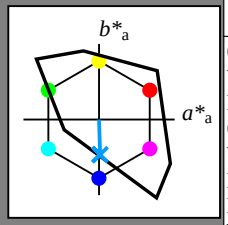
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches 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



%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**

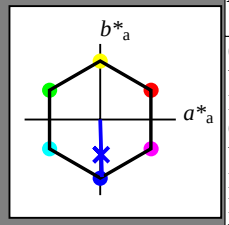
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

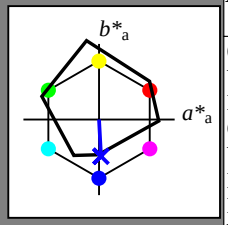
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 273/360 = 0.759***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit

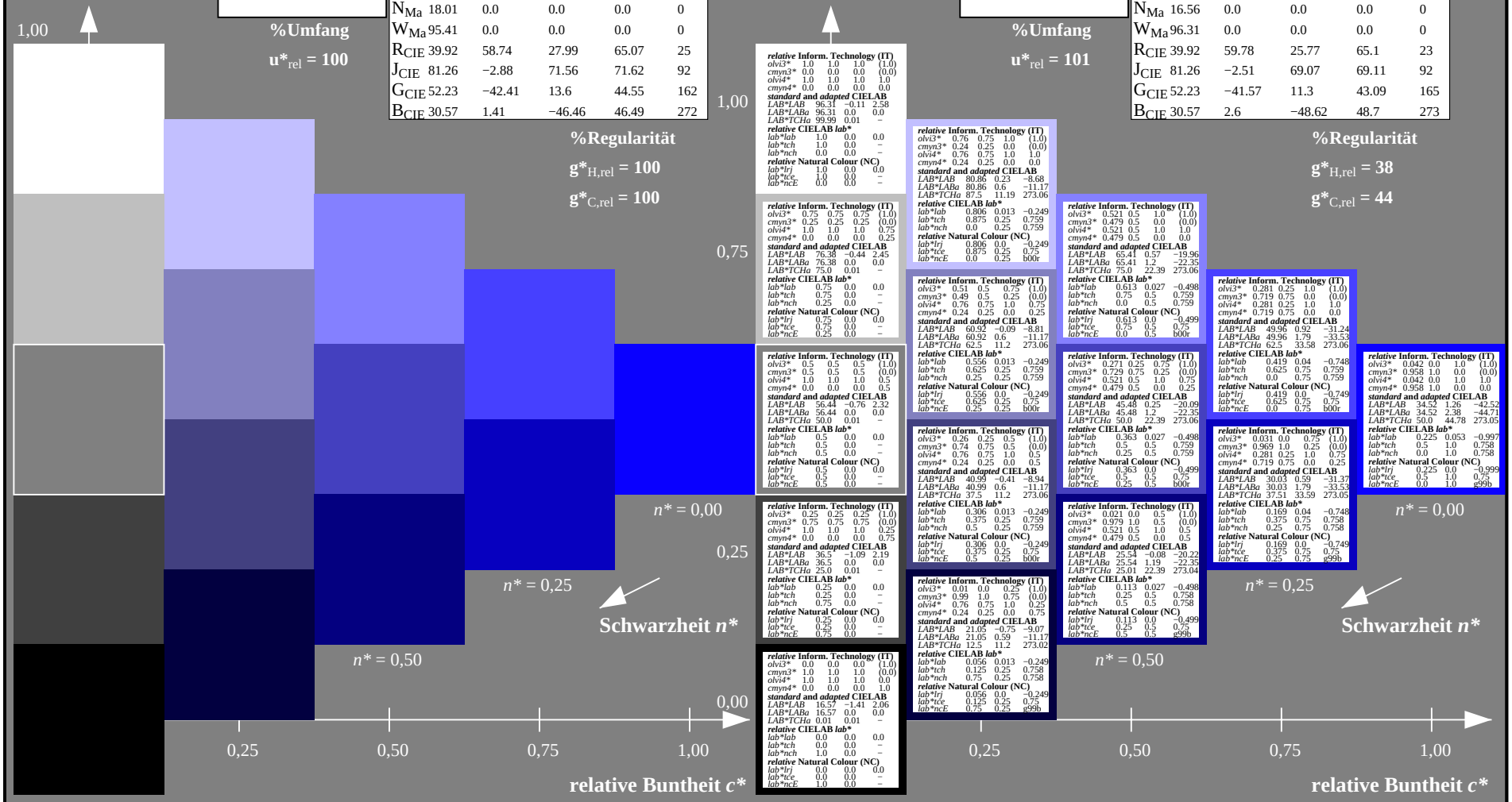


%Umfang
u^*_{rel} = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273

%Regularität
$g^*_{H,rel}$ = 38
$g^*_{C,rel}$ = 44



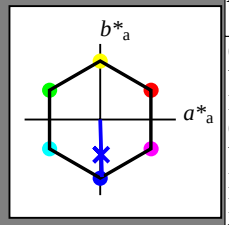
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

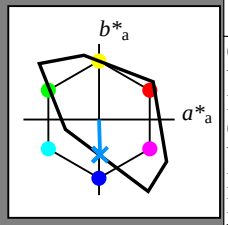
g*$_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

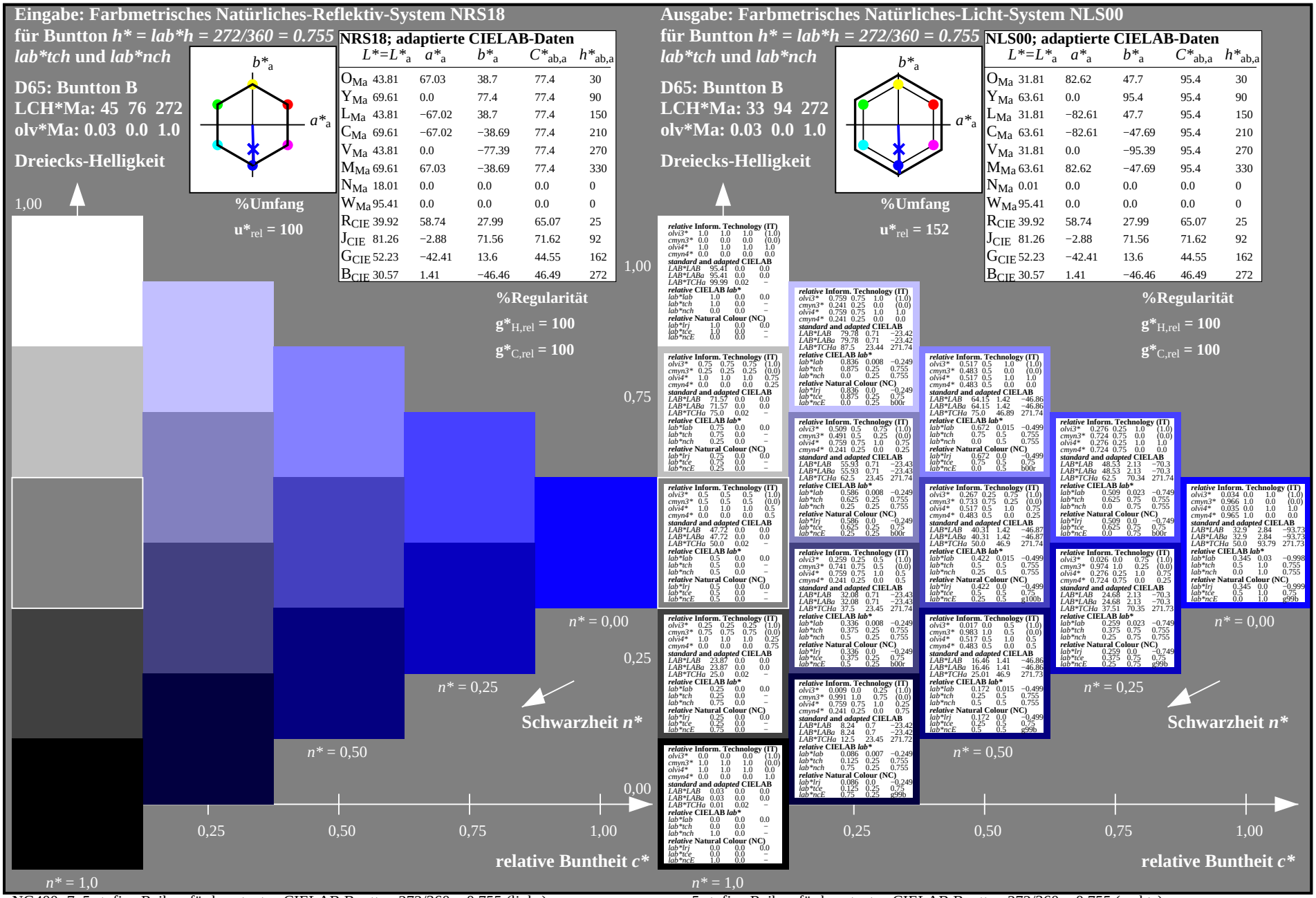
g*$_{H,rel}$ = 22

g*$_{C,rel}$ = 40

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

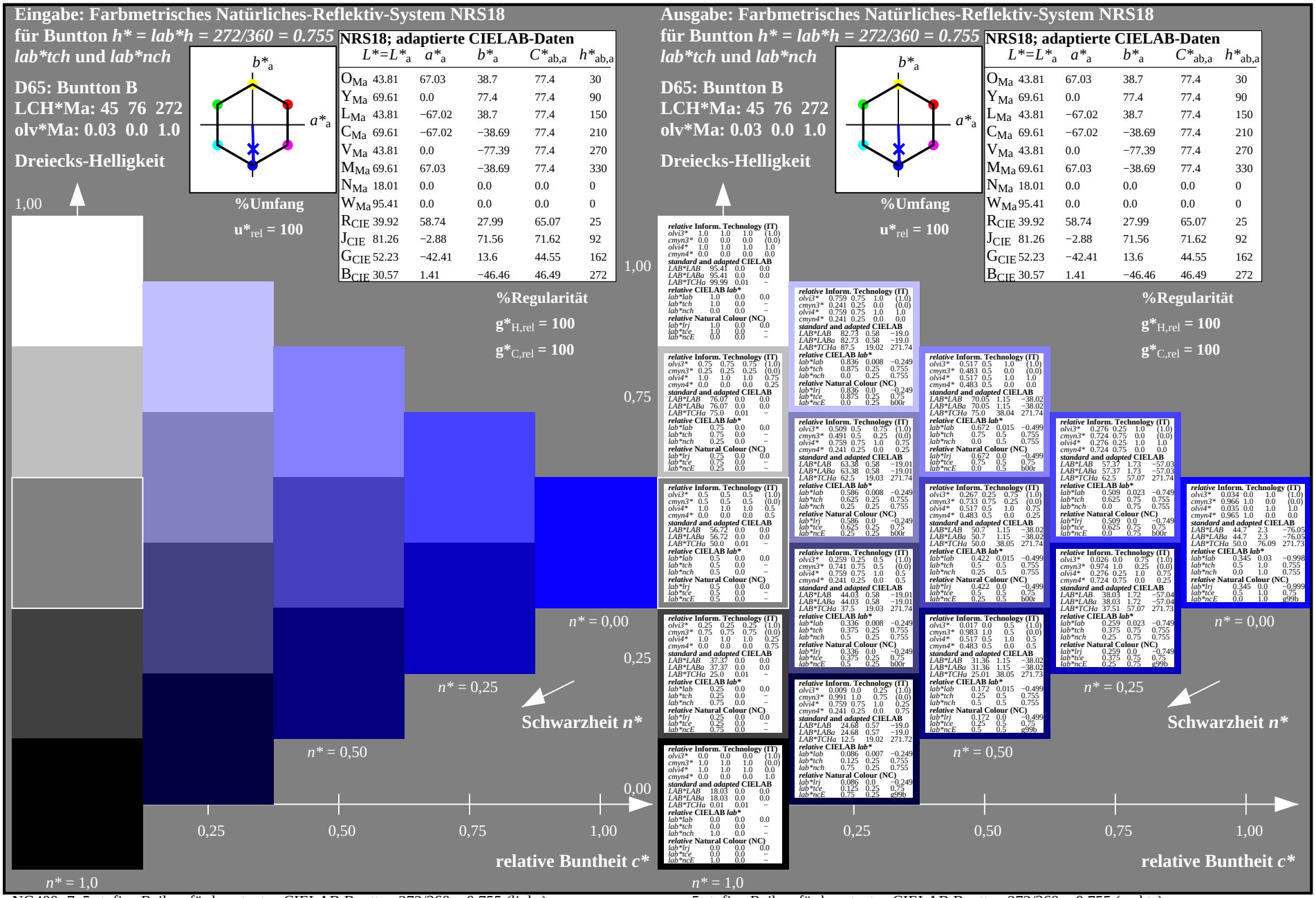
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



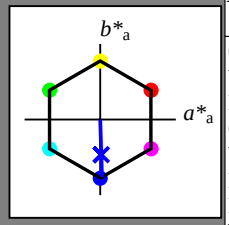
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

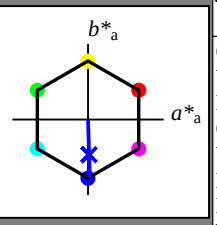
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

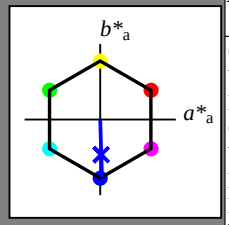
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

NRS18; adaptierte CIELAB-Daten

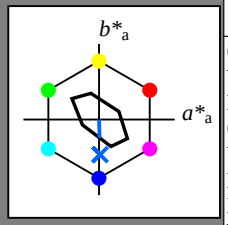
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit

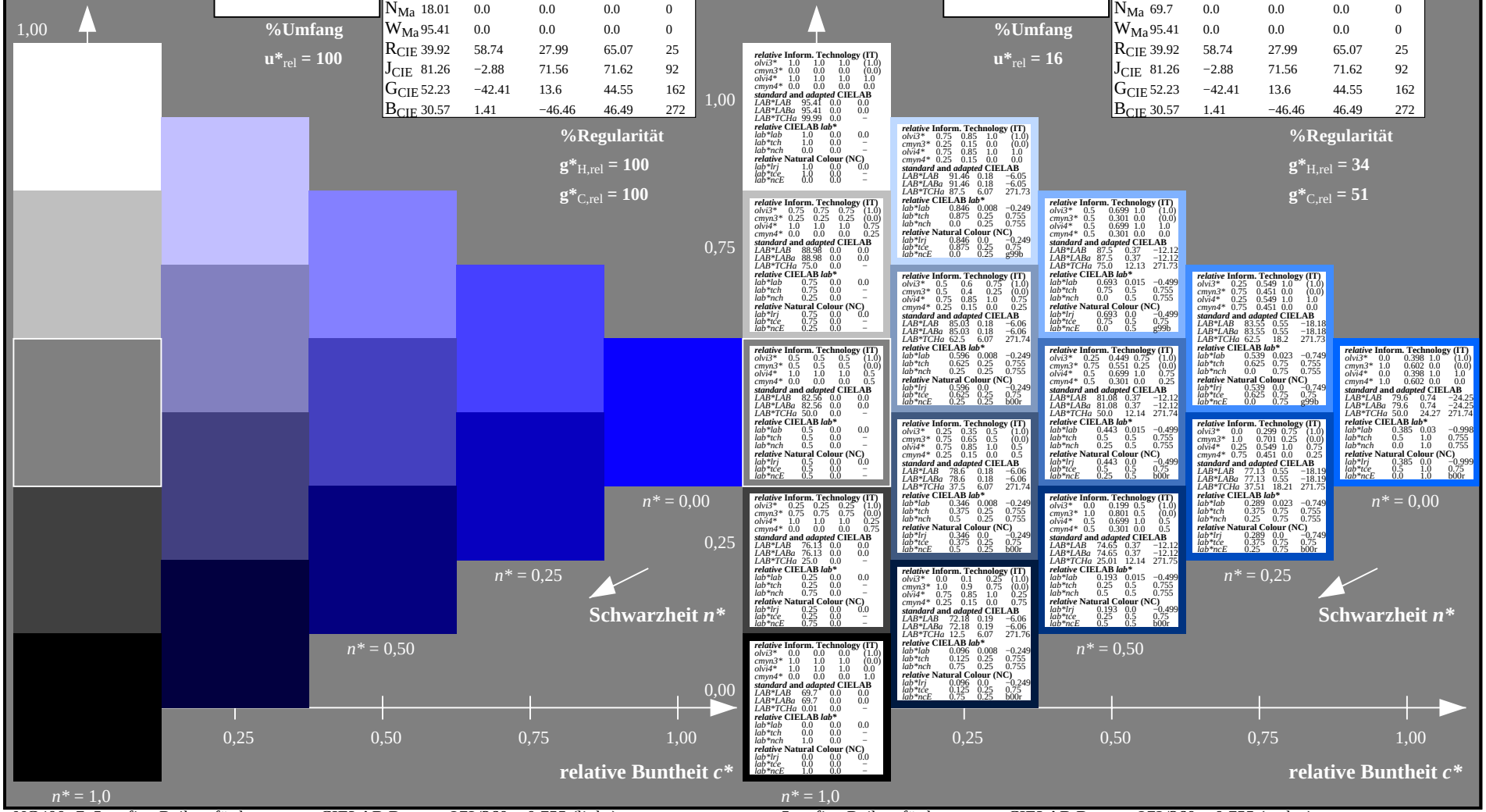


%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51



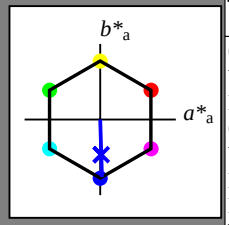
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

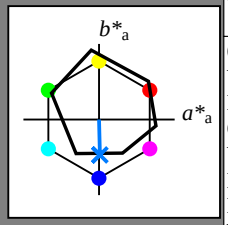
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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

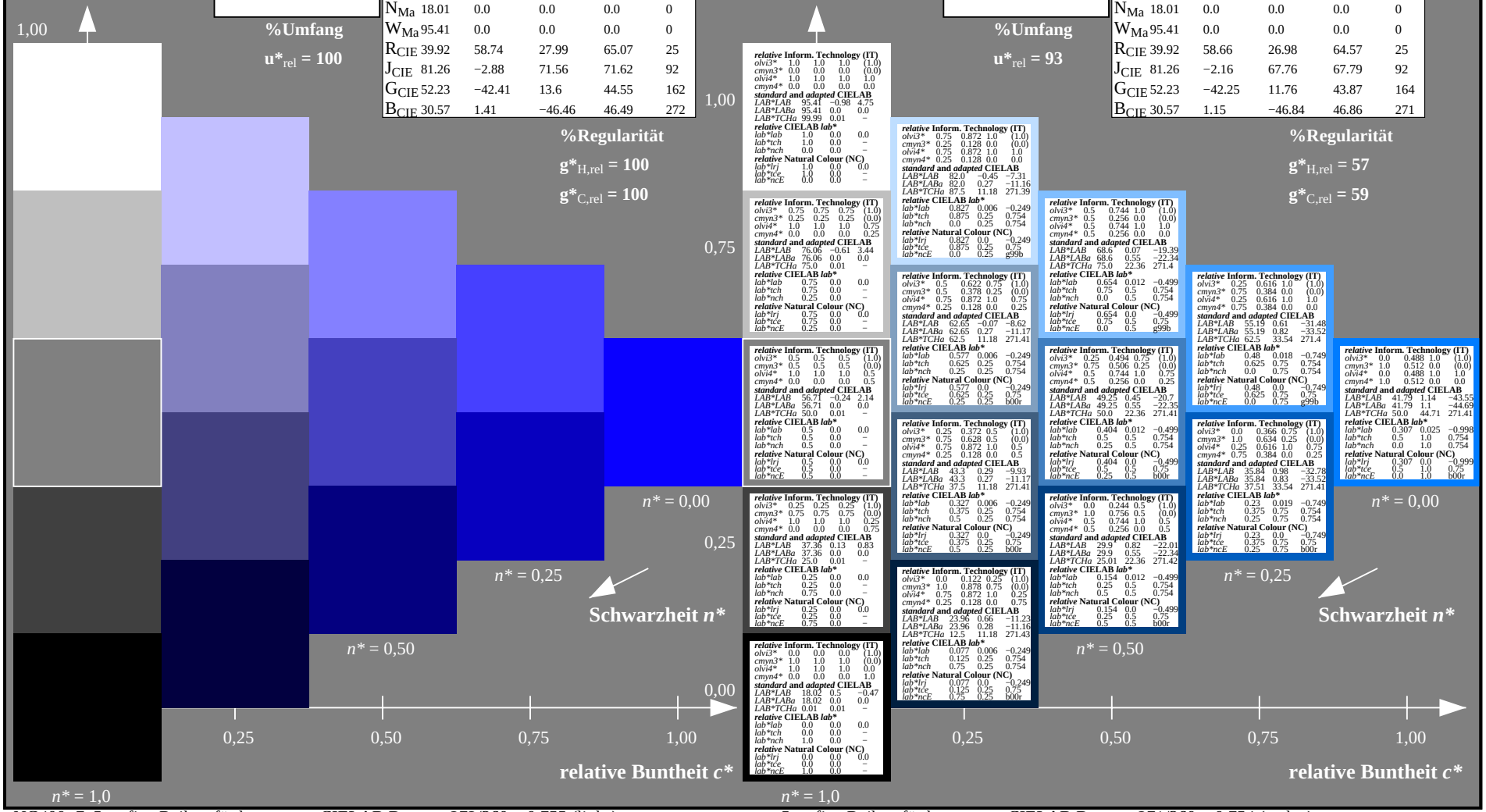


%Umfang
u*rel = 93

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



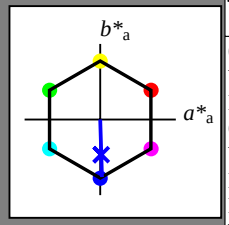
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

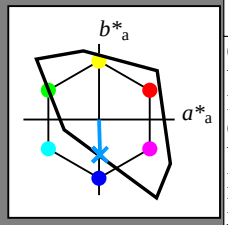
%Regularität
g*H,rel = 100
g*C,rel = 100

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 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



%Umfang
u*rel = 158

TLS00; adaptierte CIELAB-Daten

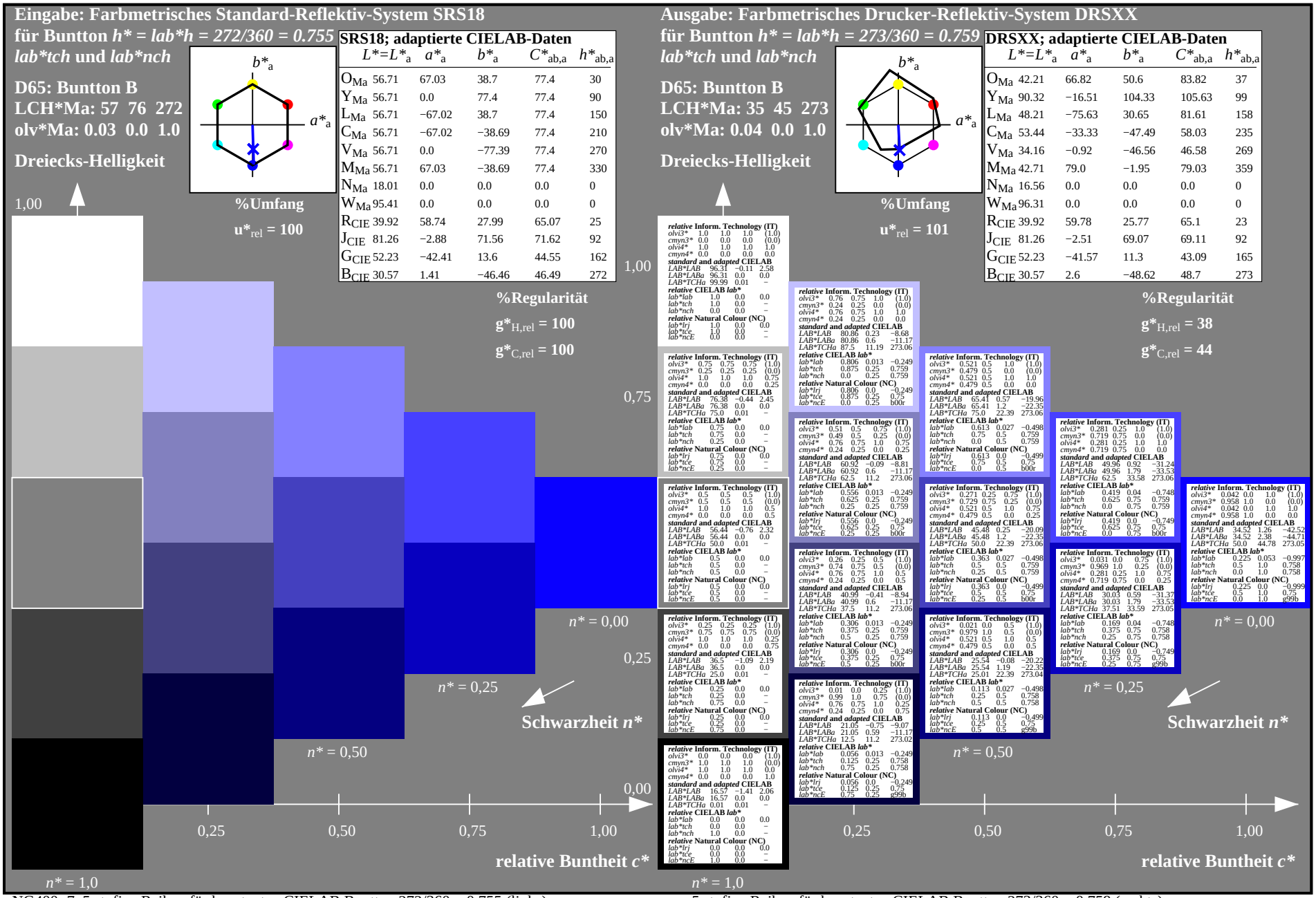
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



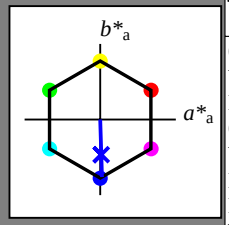
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

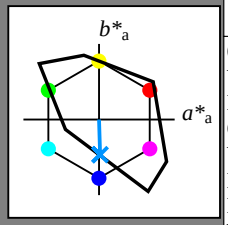
%Regularität
g*$_{H,rel}$ = 100
g*$_{C,rel}$ = 100

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang
u*$_{rel}$ = 118

TLS18; adaptierte CIELAB-Daten

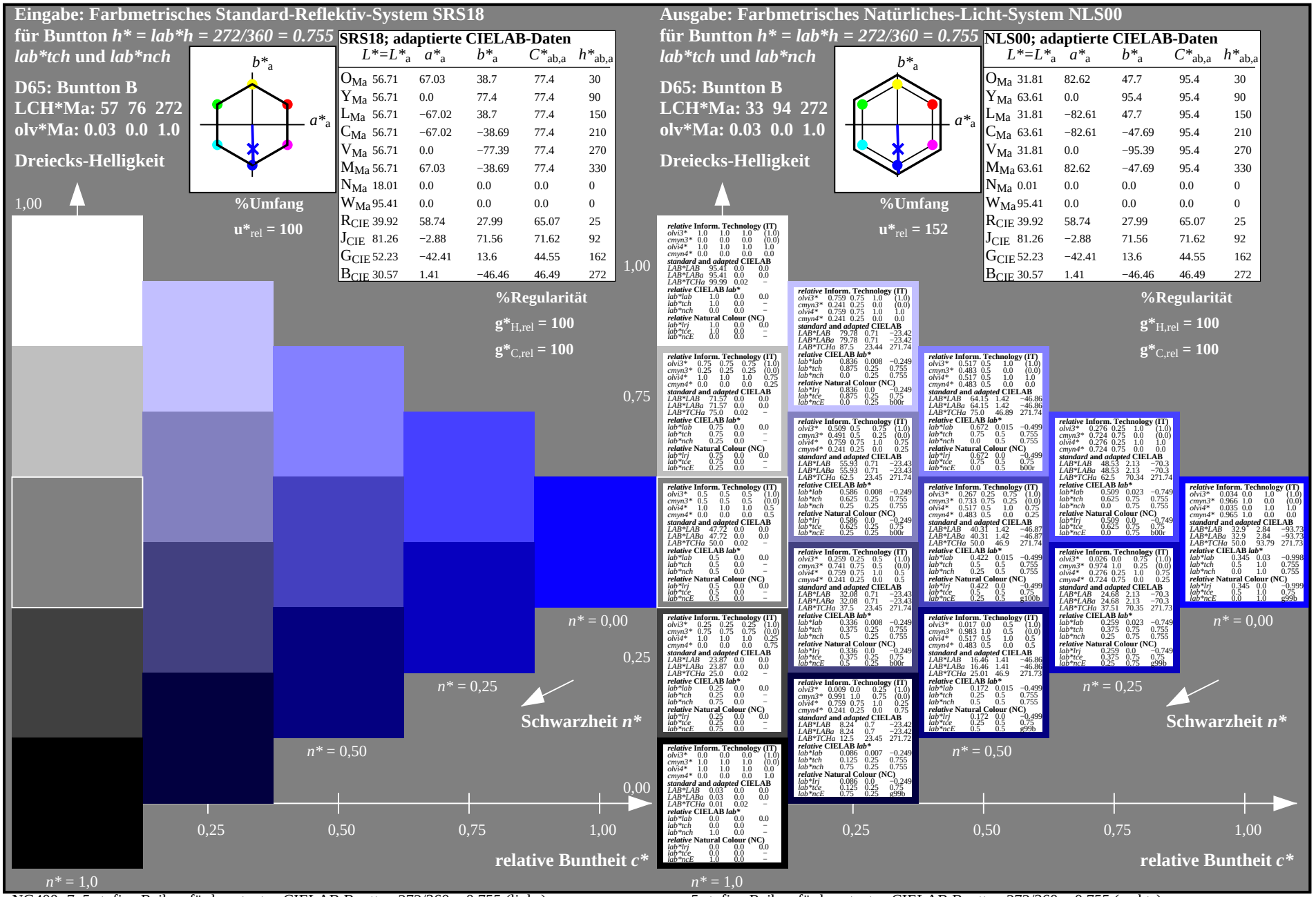
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

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

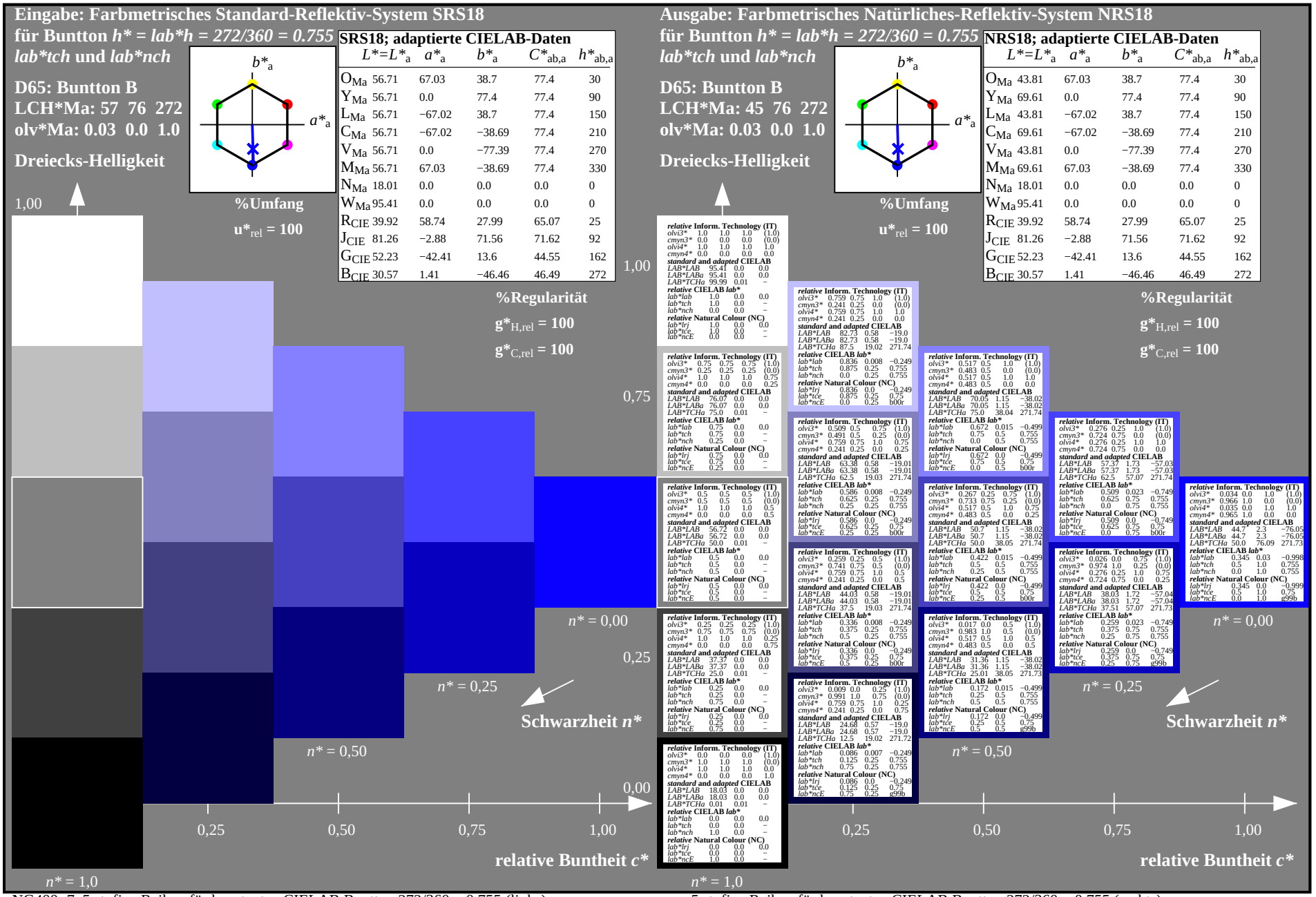
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



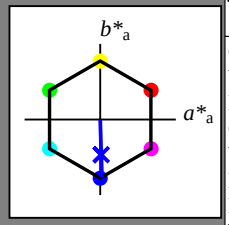
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

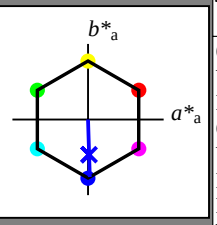
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Standard-Reflektiv-System SRS18
für Buntton *h = *lab*h* = 272/360 = 0.755**
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 100
g*C,rel = 100

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**

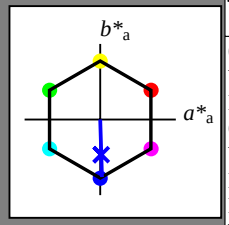
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 100

SRS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

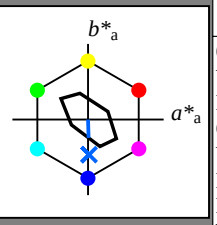
%Regularität
g*H,rel = 100
g*C,rel = 100

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 Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang
u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität
g*H,rel = 34
g*C,rel = 51

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**

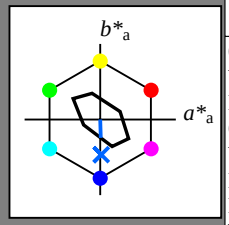
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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

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

Schwarzheit *n**

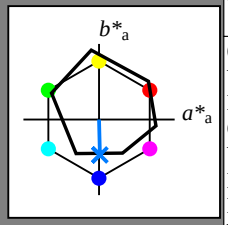
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18
für Buntton *h = lab*h = 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



%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

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**

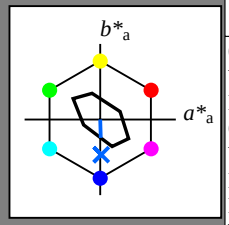
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

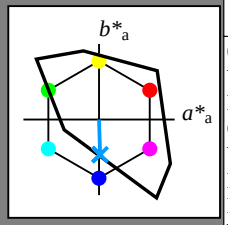
g*H,rel = 34

g*C,rel = 51

Ausgabe: 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



%Umfang

u*rel = 158

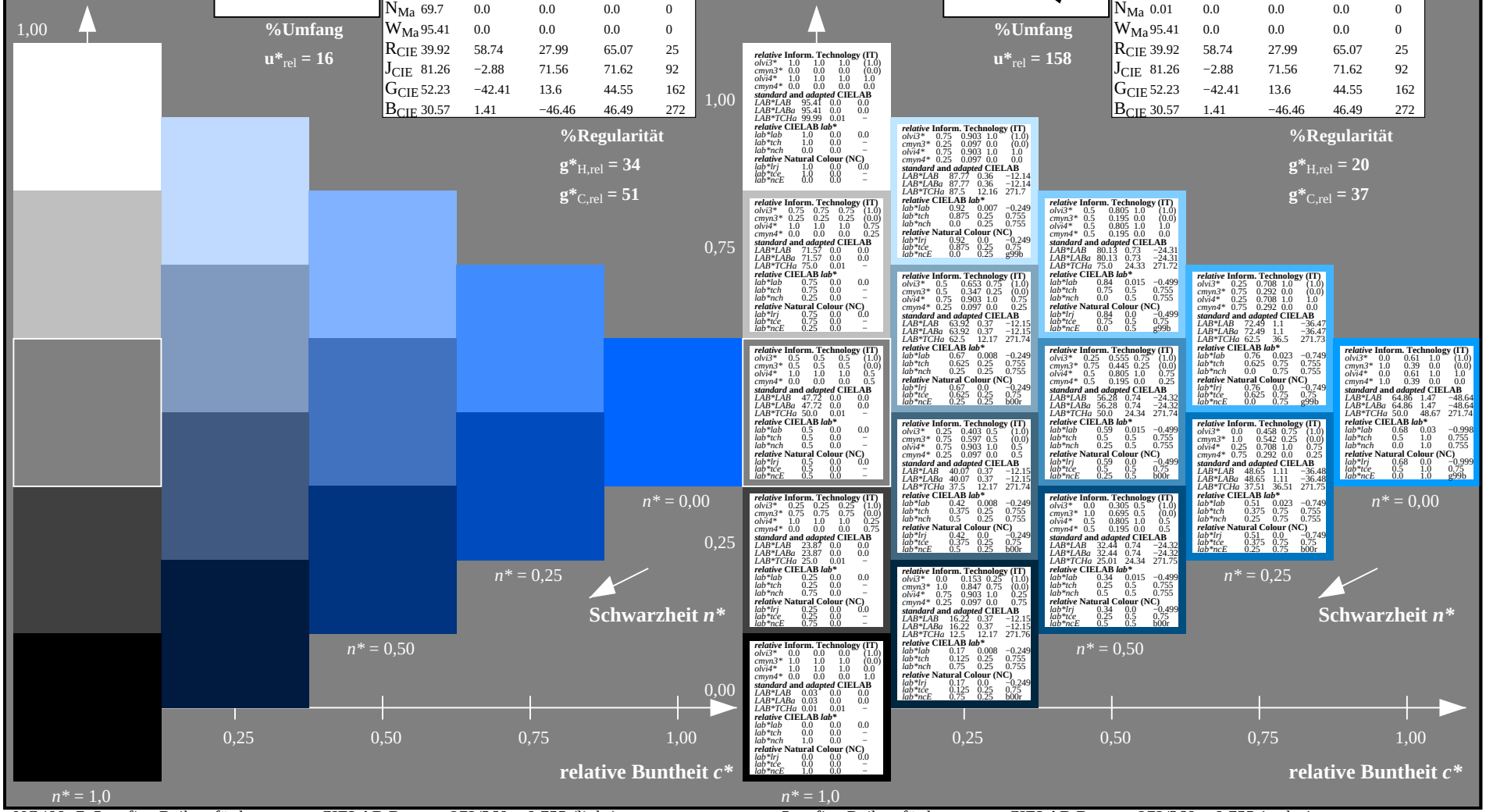
TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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



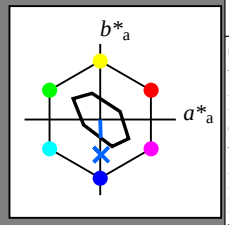
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

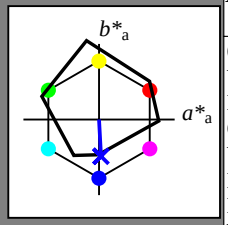
TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Ausgabe: Farbmetrisches Drucker-Reflektiv-System DRSXX
für Buntton *h = lab*h = 273/360 = 0.759***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 35 45 273
olv*Ma: 0.04 0.0 1.0

Dreiecks-Helligkeit

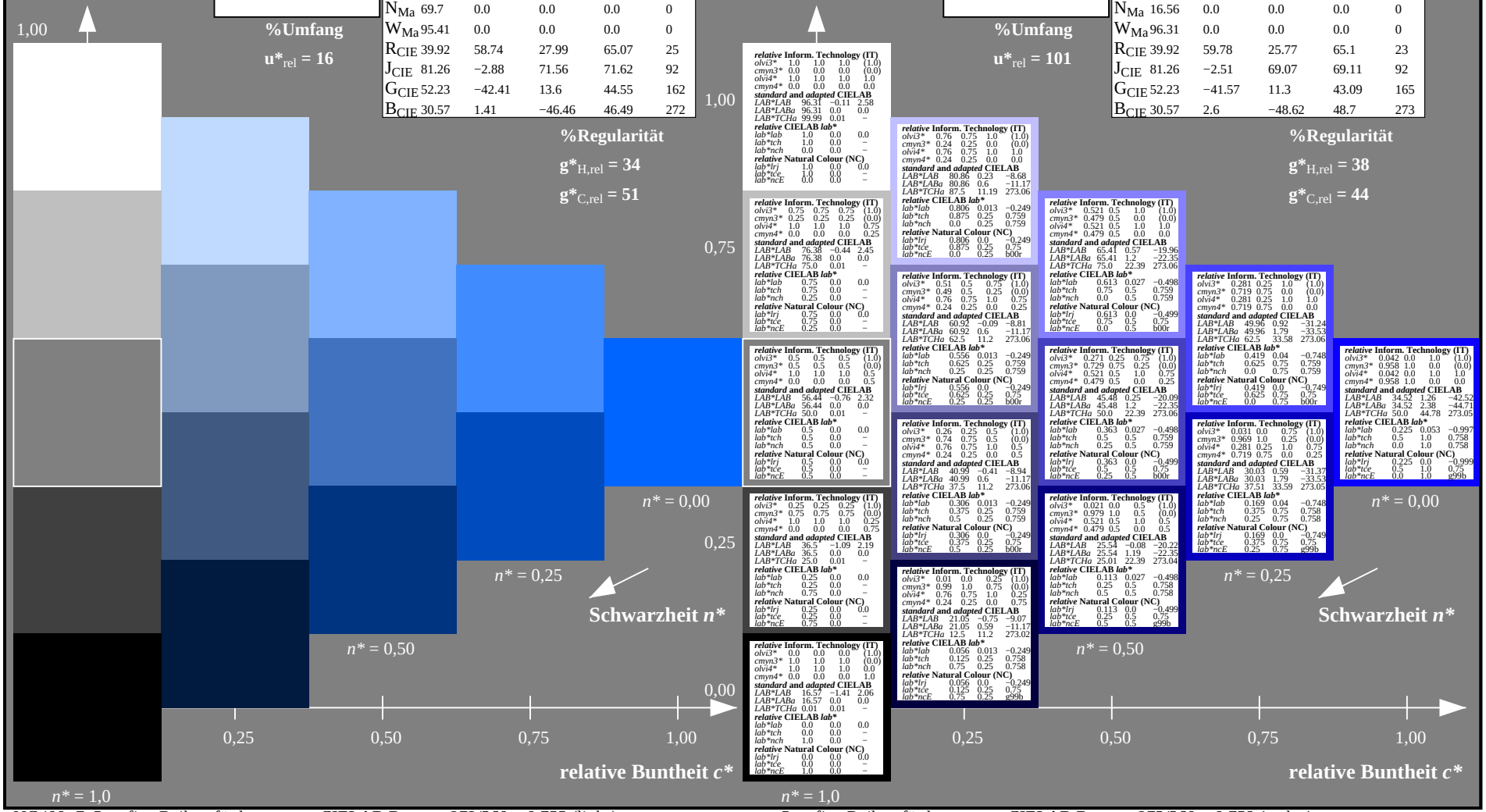


%Umfang

u*rel = 101

DRSXX; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	42.21	66.82	50.6	83.82	37
Y_{Ma}	90.32	−16.51	104.33	105.63	99
L_{Ma}	48.21	−75.63	30.65	81.61	158
C_{Ma}	53.44	−33.33	−47.49	58.03	235
V_{Ma}	34.16	−0.92	−46.56	46.58	269
M_{Ma}	42.71	79.0	−1.95	79.03	359
N_{Ma}	16.56	0.0	0.0	0.0	0
W_{Ma}	96.31	0.0	0.0	0.0	0
R_{CIE}	39.92	59.78	25.77	65.1	23
J_{CIE}	81.26	−2.51	69.07	69.11	92
G_{CIE}	52.23	−41.57	11.3	43.09	165
B_{CIE}	30.57	2.6	−48.62	48.7	273



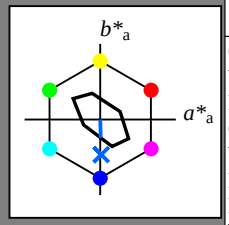
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.759 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

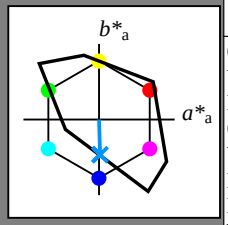
g*C,rel = 51

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 Fernseh-Licht-System TLS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 118

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

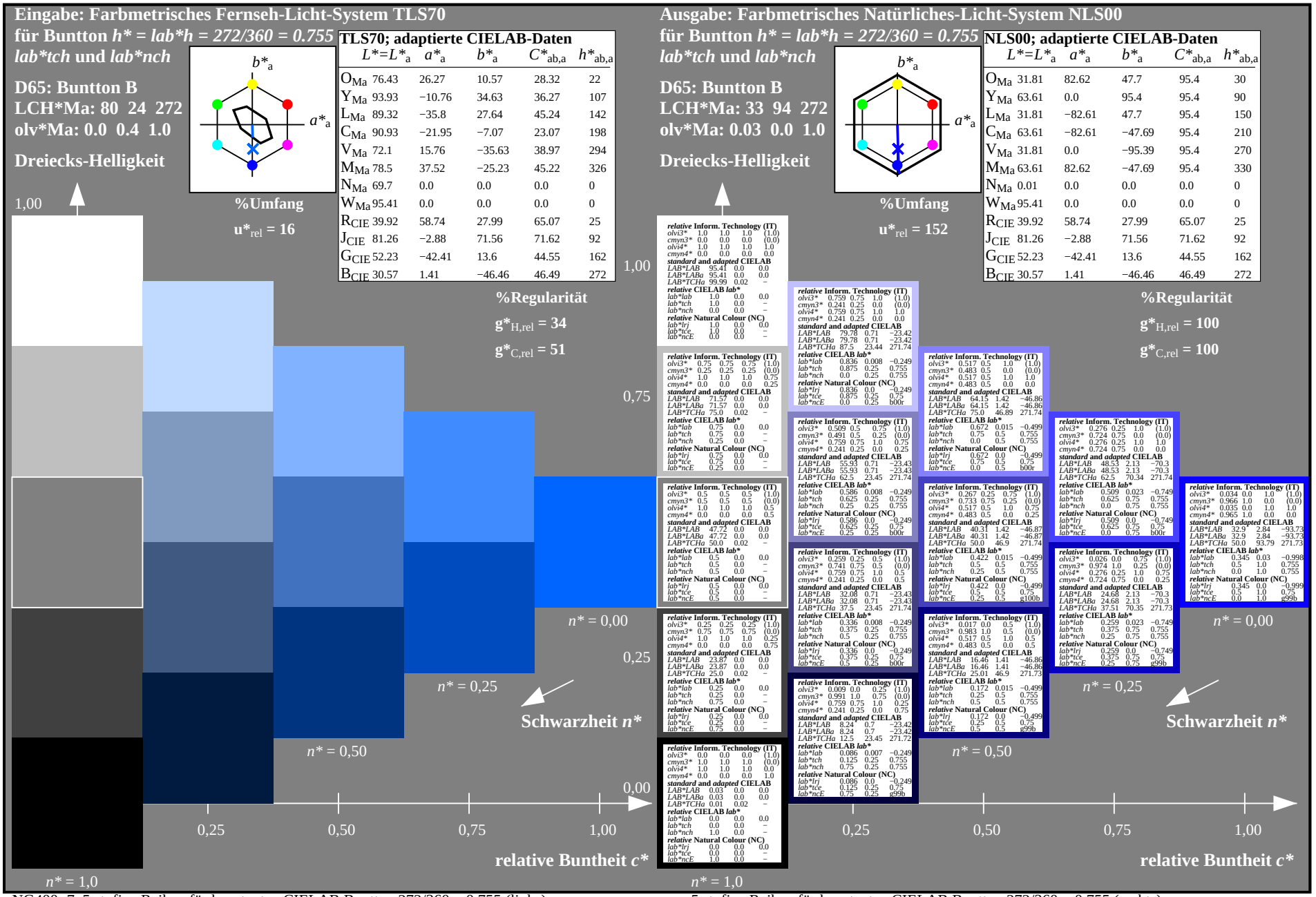
g*H,rel = 22

g*C,rel = 40

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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



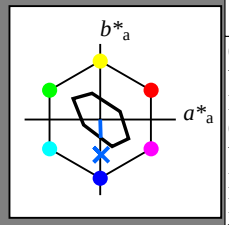
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

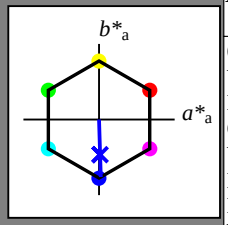
g*$_{H,rel}$ = 34

g*$_{C,rel}$ = 51

Ausgabe: Farbmetrisches Natürliches-Reflektiv-System NRS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 45 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang

u*$_{rel}$ = 100

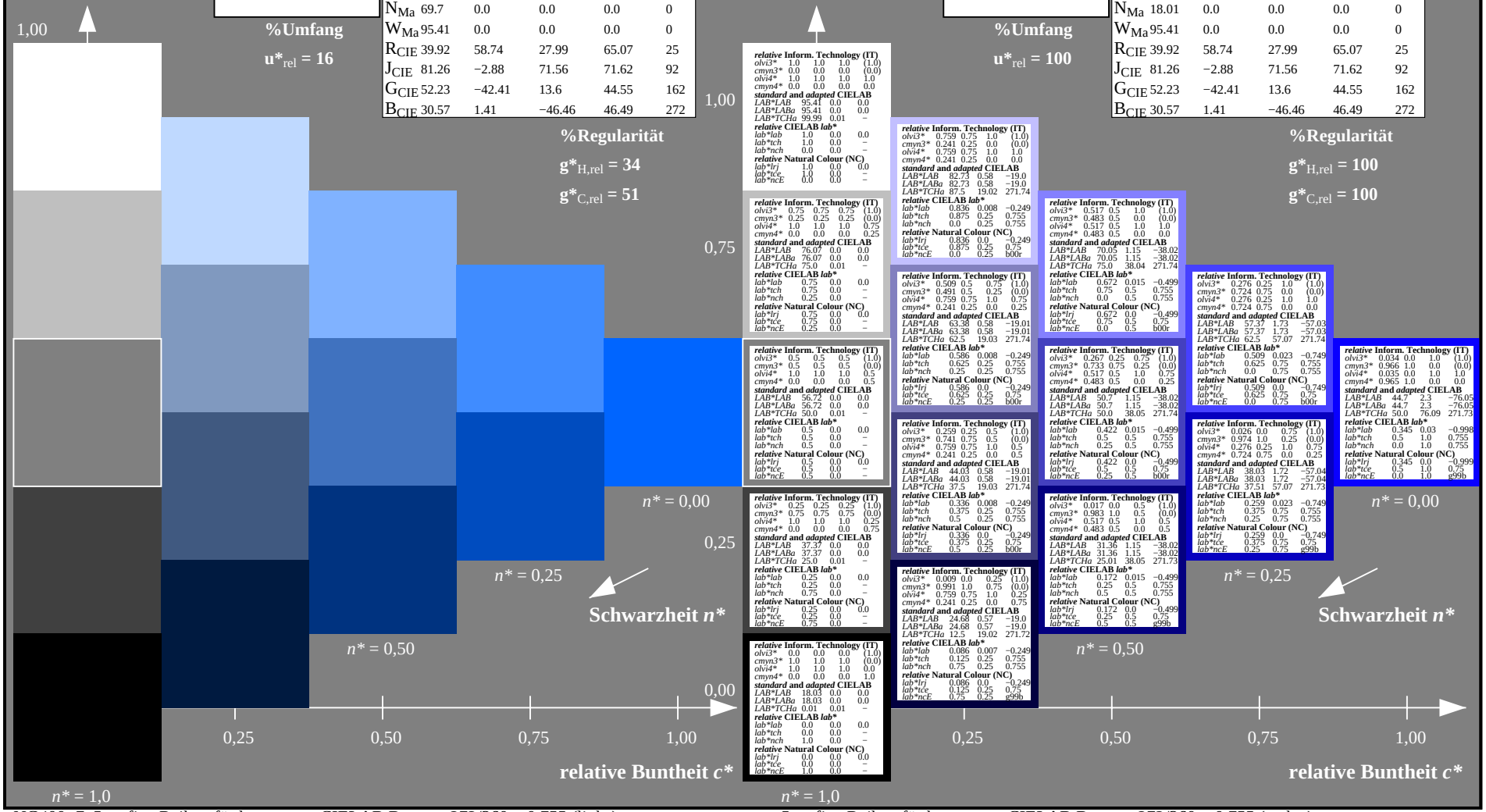
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.81	67.03	38.7	77.4	30
Y_{Ma}	69.61	0.0	77.4	77.4	90
L_{Ma}	43.81	−67.02	38.7	77.4	150
C_{Ma}	69.61	−67.02	−38.69	77.4	210
V_{Ma}	43.81	0.0	−77.39	77.4	270
M_{Ma}	69.61	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*$_{H,rel}$ = 100

g*$_{C,rel}$ = 100



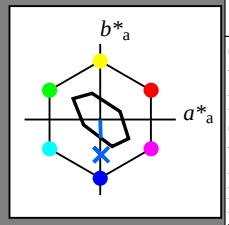
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

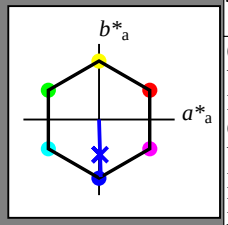
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 Standard-Reflektiv-System SRS18
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit



%Umfang
u^*_{rel} = 100

SRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

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^*

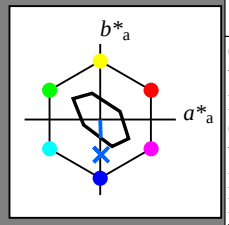
NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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

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

Schwarzheit *n**

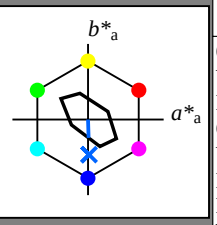
0,25 0,50 0,75 1,00

relative Buntheit *c**

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70
für Buntton *h = lab*h = 272/360 = 0.755***
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



%Umfang

u*rel = 16

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularität

g*H,rel = 34

g*C,rel = 51

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**

NG400−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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