

Siehe ähnliche Dateien: <http://www.ps.bam.de/TG40/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1!

Eingabe: Farbmétrisches Reflexions-System ORS18

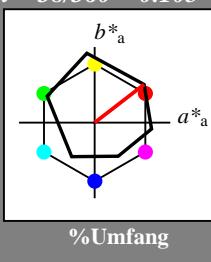
für Bunton $h^* = lab^*h = 38/360 = 0.105$
 lab^*tch und lab^*nch

D65: Bunton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

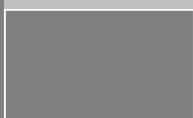
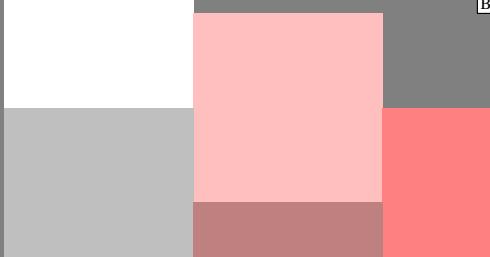
Dreiecks-Helligkeit



1,00

%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	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

Dreiecks-Helligkeit

Ausgabe: Farbmétrisches Reflexions-System MRS18

für Bunton $h^* = lab^*h = 30/360 = 0.083$

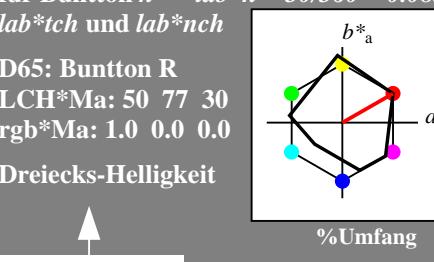
lab^*tch und lab^*nch

D65: Bunton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



1,00

%Umfang

u*_{rel} = 91

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

Dreiecks-Helligkeit

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmy3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	67.06	0.0	0.0	47.5
LAB*TCh _a	95.41	0.0	0.0	2.0
LAB*TCh _a	99.99	0.01	0.0	-

relative CIELAB lab*

olv3*	0.5	0.5	0.5	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	0.0	0.0	34.4
LAB*TCh _a	76.06	0.0	0.0	0.0
LAB*TCh _a	75.01	0.0	0.0	-

relative CIELAB lab*

olv3*	0.75	0.75	0.75	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	67.06	0.0	0.0	34.4
LAB*TCh _a	76.06	0.0	0.0	0.0
LAB*TCh _a	75.01	0.0	0.0	-

relative CIELAB lab*

olv3*	0.5	0.5	0.5	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.23	2.14	2.14
LAB*TCh _a	64.61	0.23	2.14	2.14
LAB*TCh _a	64.61	0.23	2.14	2.14
LAB*TCh _a	50.01	0.01	-	-

relative CIELAB lab*

olv3*	0.5	0.5	0.5	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	57.36	0.13	0.83	0.83
LAB*LAB	37.36	0.01	-	-
LAB*TCh _a	25.75	0.01	-	-
LAB*TCh _a	25.00	0.0	-	-
LAB*TCh _a	0.25	0.0	-	-

relative CIELAB lab*

olv3*	0.5	0.5	0.5	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.46	0.0
LAB*TCh _a	0.01	0.01	-	-

relative CIELAB lab*

olv3*	0.25	0.25	0.25	(1.0)
cmy3*	0.125	0.125	0.125	(0.0)
olv4*	0.5	0.5	0.5	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.92	17.08	9.66	0.0
LAB*TCh _a	25.92	16.73	9.59	0.0
LAB*TCh _a	25.92	16.73	9.59	0.0
LAB*TCh _a	25.92	16.73	9.59	0.0

relative CIELAB lab*

olv3*	0.125	0.125	0.125	(1.0)
cmy3*	0.0625	0.0625	0.0625	(0.0)
olv4*	0.25	0.25	0.25	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	33.82	33.67	19.79	0.0
LAB*TCh _a	33.82	33.47	19.59	0.0
LAB*TCh _a	33.82	33.47	19.59	0.0
LAB*TCh _a	33.82	33.47	19.59	0.0

relative CIELAB lab*

olv3*	0.0625	0.0625	0.0625	(1.0)
cmy3*	0.03125	0.03125	0.03125	(0.0)
olv4*	0.125	0.125	0.125	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.73	50.21	28.78	0.0
LAB*TCh _a	41.73	50.21	28.78	0.0
LAB*TCh _a	41.73	50.21	28.78	0.0
LAB*TCh _a	41.73	50.21	28.78	0.0

relative CIELAB lab*

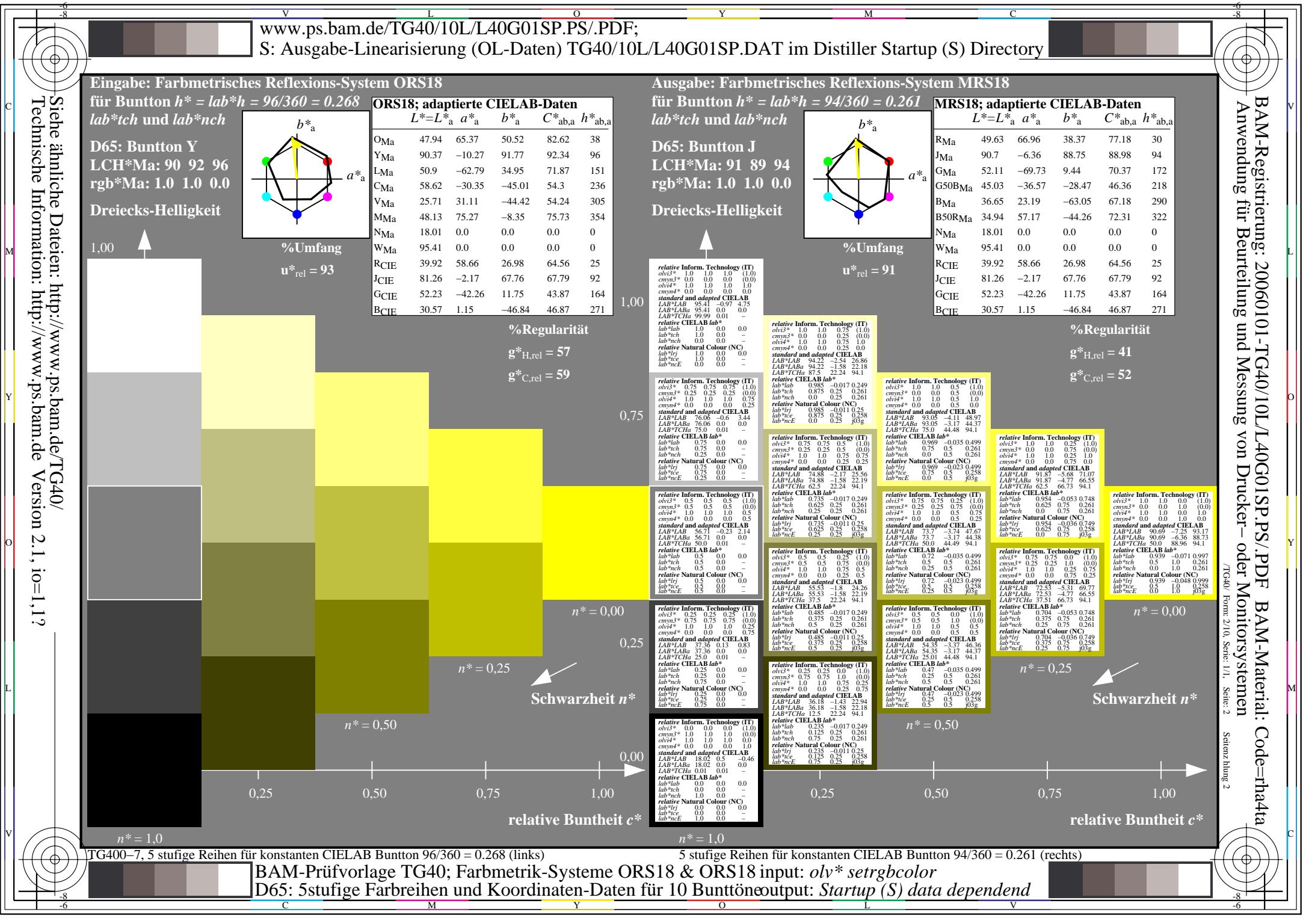
olv3*	0.03125	0.03125	0.03125	(1.0)
cmy3*	0.015625	0.015625	0.015625	(0.0)
olv4*	0.0625	0.0625	0.0625	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.51	57.87	29.82	0.0
LAB*TCh _a	37.51	57.87	29.82	0.0
LAB*TCh _a	37.51	57.87	29.82	0.0
LAB*TCh _a	37.51	57.87	29.82	0.0

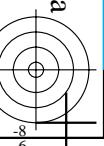
relative CIELAB lab*

olv3*	0.015625	0.015625	0.015625	(1.0)
cmy3*	0.0078125	0.0078125	0.0078125	(0.0)
olv4*	0.03125	0.03125	0.03125	(1.0)
cmy4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.63	66.84	40.03	0.0
LAB*TCh _a	49.63	66.84	40.03	0.0
LAB*TCh _a	49.63	66.84	40.03	0.0
LAB*TCh _a	49.63	66.84	40.03	0.0

relative CIELAB lab*

olv3*	0.0078125	0.0078125	0.0078125	(1.0)
cmy3*	0.0039			





Eingabe: Farbmétrisches Reflexions-System ORS18

für Bunton $h^* = lab^*h = 151/360 = 0.419$

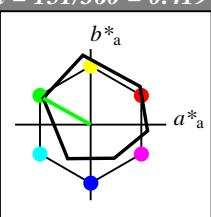
lab^{*tch} und lab^{*nch}

D65: Bunton L

LCH*Ma: 51 72 151

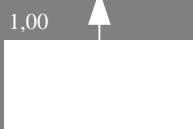
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



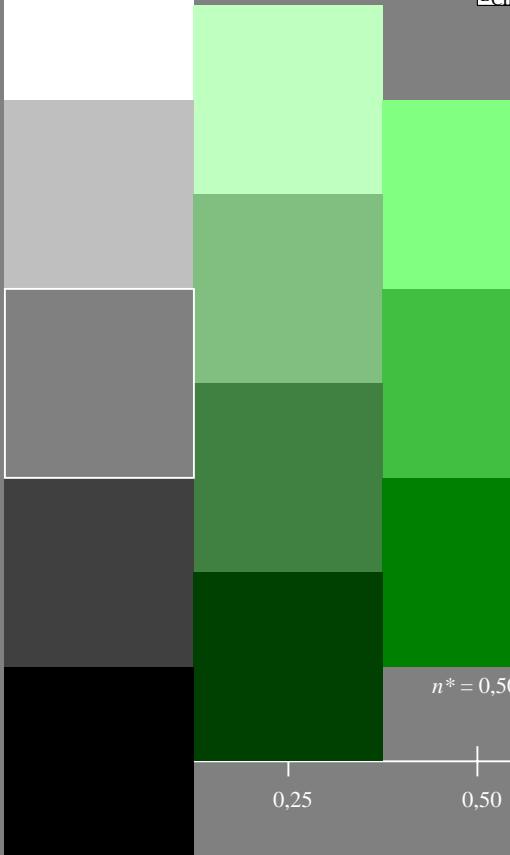
%Umfang

$u^*_{rel} = 93$



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271



TG400-7, 5stufige Reihen für konstanten CIELAB Bunnton 151/360 = 0.419 (links)

BAM-Prüfvorlage TG40; Farbmétrik-Systeme ORS18 & ORS18 input: olv^* setrgbcolor

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: Startup (S) data dependend

Ausgabe: Farbmétrisches Reflexions-System MRS18

für Bunton $h^* = lab^*h = 172/360 = 0.479$

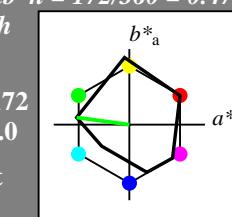
lab^{*tch} und lab^{*nch}

D65: Bunton G

LCH*Ma: 52 70 172

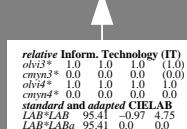
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

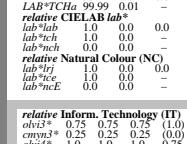
$u^*_{rel} = 91$



%Regularität

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

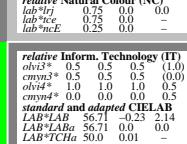
$g^*_{C,rel} = 59$



%Regularität

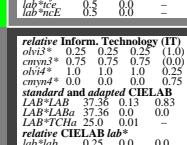
$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$



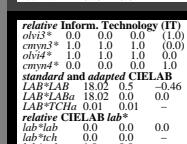
%Regularität

$n^* = 0,00$



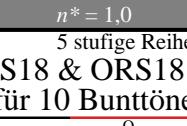
%Regularität

$n^* = 0,25$



%Regularität

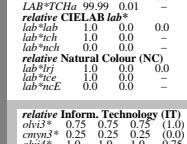
$n^* = 0,50$



%Regularität

MRS18; adaptierte CIELAB-Daten

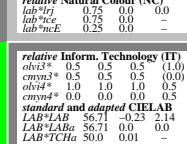
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271



%Regularität

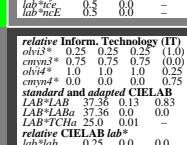
$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$



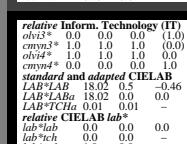
%Regularität

$n^* = 0,00$



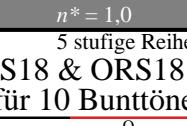
%Regularität

$n^* = 0,25$

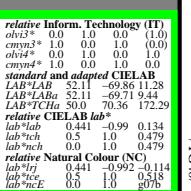


%Regularität

$n^* = 0,50$



%Regularität



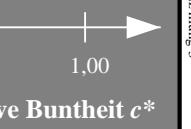
%Regularität

$n^* = 0,00$

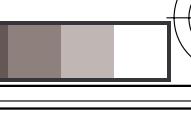


%Regularität

$n^* = 0,25$



%Regularität



%Regularität

C

M

M

Y

O

L

V

-8

Eingabe: Farbmétrisches Reflexions-System ORS18

für Bunton $h^* = lab^*h = 236/360 = 0.656$

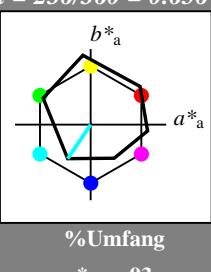
lab^{*tch} und lab^{*nch}

D65: Bunton C

LCH*Ma: 59 54 236

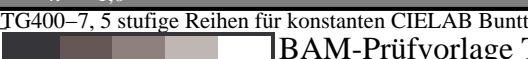
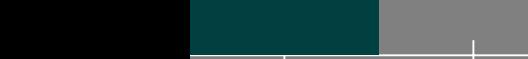
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	$a^* a$	$b^* a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

Ausgabe: Farbmétrisches Reflexions-System MRS18

für Bunton $h^* = lab^*h = 218/360 = 0.605$

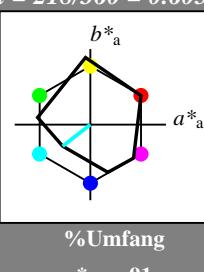
lab^{*tch} und lab^{*nch}

D65: Bunton G50B

LCH*Ma: 45 46 218

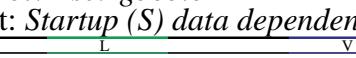
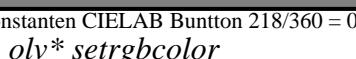
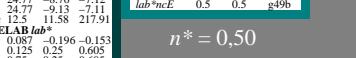
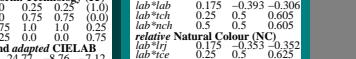
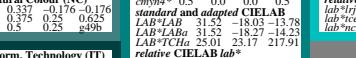
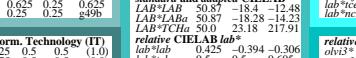
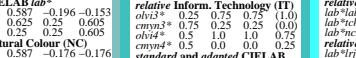
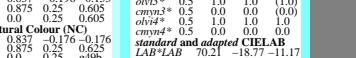
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



MRS18; adaptierte CIELAB-Daten

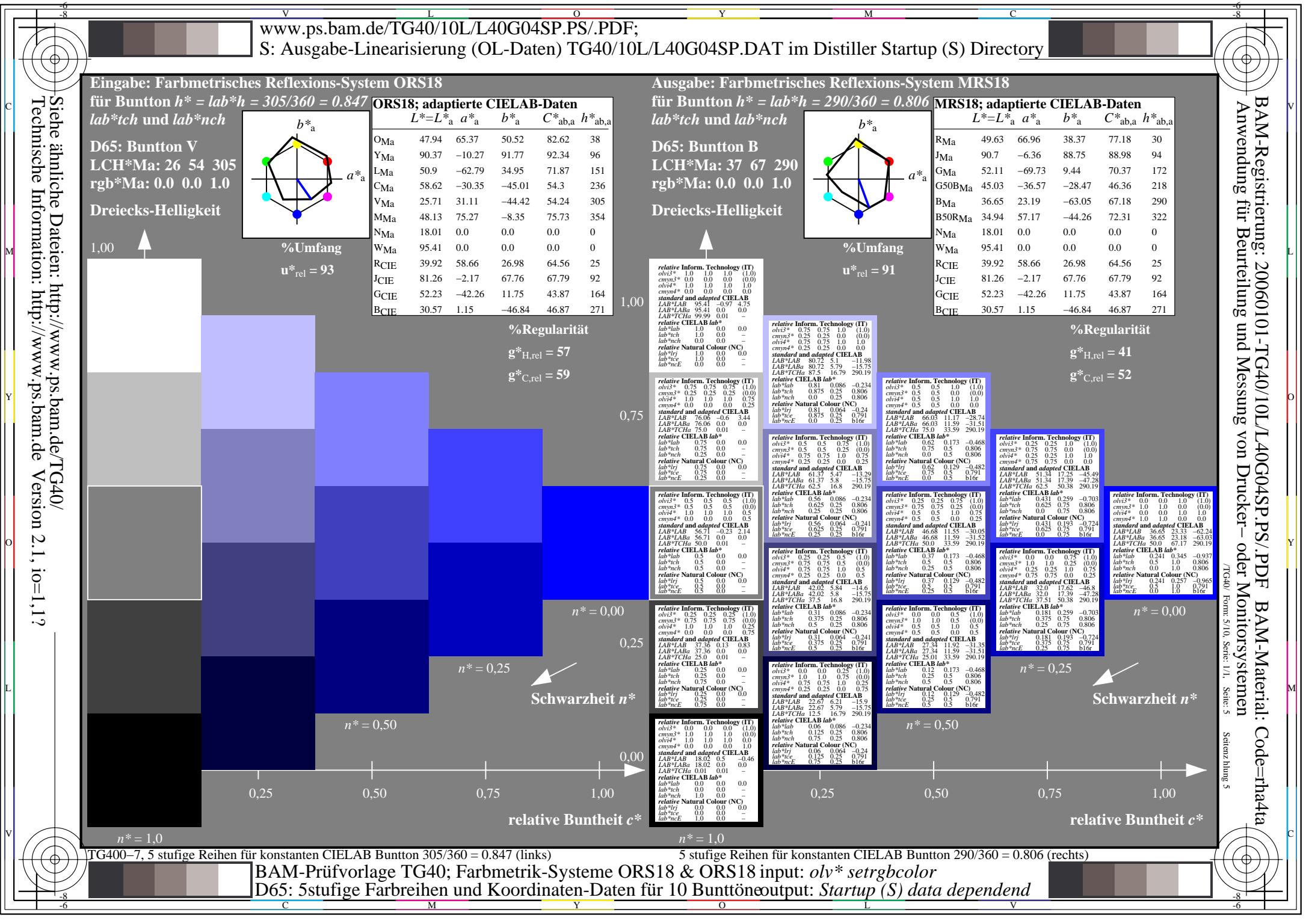
	$L^* = L^*_a$	$a^* a$	$b^* a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

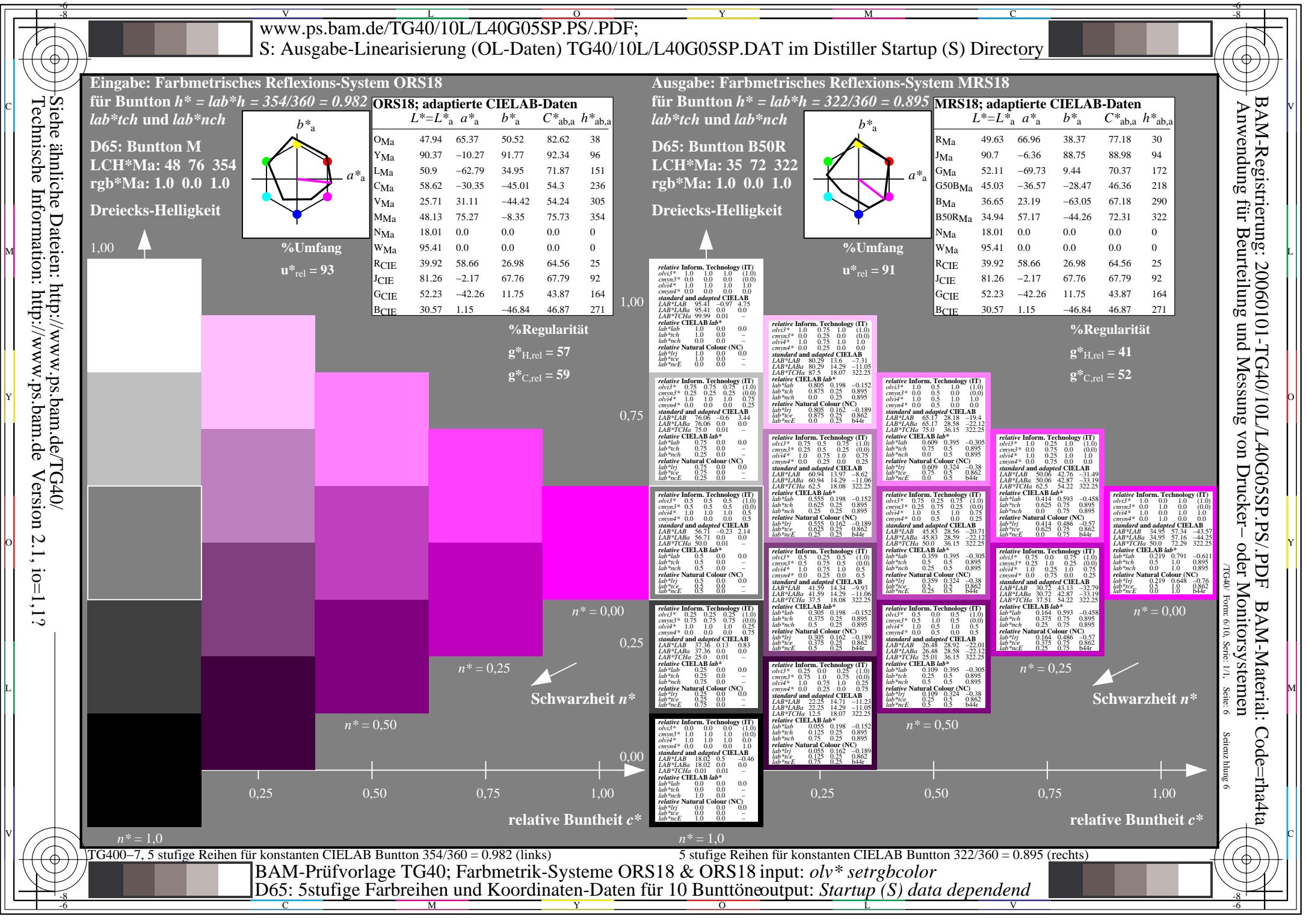
%Regularität

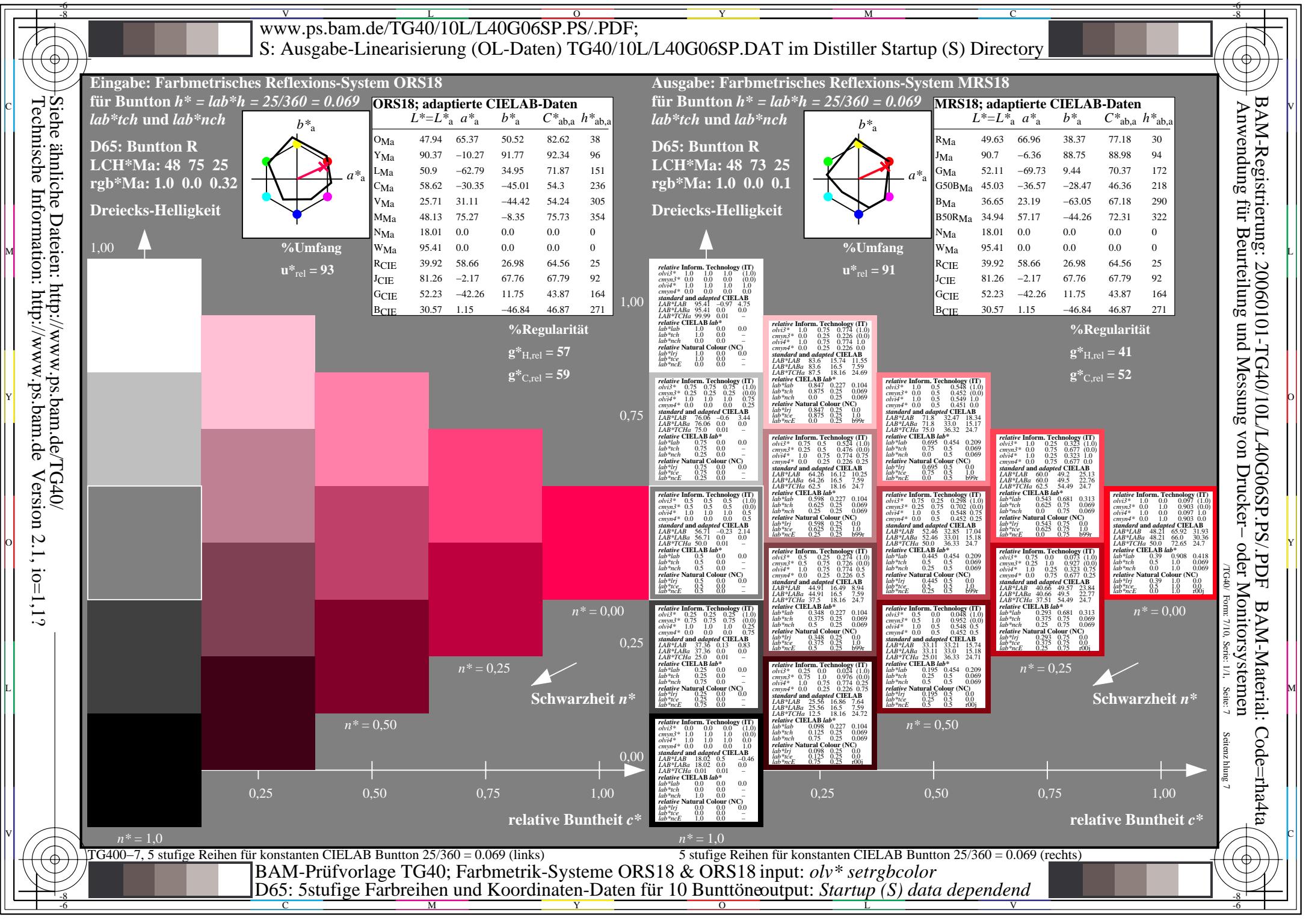
$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

	$L^* = L^*_a$	$a^* a$	$b^* a$	$C^*_{ab,a}$	$h^*_{ab,a}$
relative Inform. Technology (IT)	0.5	1.0	1.0	(1.0)	
olv3*	0.75	1.0	0.5	(0.0)	
olv4*	1.0	1.0	0.0		
cmy3*	0.25	0.25	0.25	(0.0)	
cmy4*	0.0	0.0	0.0		
standard and adapted CIELAB					
LAB*LAB	50.87	-18.77	-11.47		
LAB*La	82.88	-9.87	-12.43		
LAB*La	82.81	-13.71	21.79		
LAB*TCh _a	87.15	11.58	-0.25		
LAB*TCh _a	87.11	23.18	21.79		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative Natural Colour (NC)					
lab*irj	0.834	-0.176	-0.176		
lab*ice	0.875	0.25	0.625		
lab*nE	0.0	0.25	0.625		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0.587	-0.196	-0.153		
lab*tch	0.875	0.25	0.605		
lab*nch	0.0	0.25	0.605		
relative CIELAB lab*					
lab*lab	0				







C

M

M

Y

O

L

V

Eingabe: Farbmétrisches Reflexions-System ORS18

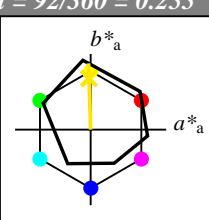
für Bunton $h^* = lab^*h = 92/360 = 0.255$
 lab^*tch und lab^*nch

D65: Bunton J

LCH*Ma: 86 88 92

rgb*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	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271



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

Ausgabe: Farbmétrisches Reflexions-System MRS18

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

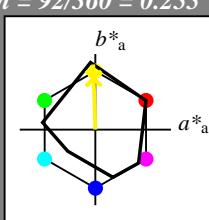
lab^*tch und lab^*nch

D65: Bunton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

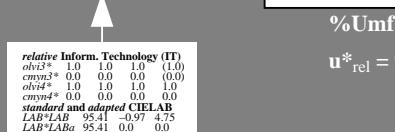
Dreiecks-Helligkeit



%Umfang
 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_{a}	b^*_{a}	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271



%Umfang
 $u^*_{rel} = 91$

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Regularität

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

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

relative Inform. Technology (IT)

olv^3* 1.0 1.0 1.0 (1,0)
 $cmyn3*$ 0.0 0.0 0.0 (0,0)

olv^4* 1.0 1.0 1.0
 $cmyn4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 92.04 -0.23 47.67
 LAB^*TCh 87.75 21.58 91.86

relative Inform. Technology (II)

olv^3* 1.0 0.976 0.5 (1,0)
 $cmyn3*$ 0.0 0.024 0.5 (0,0)

olv^4* 1.0 0.976 0.5 (1,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

relative Natural Colour (NC)

lab^*tch 1.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (III)

olv^3* 1.0 0.758 0.5 (1,0)
 $cmyn3*$ 0.25 0.25 0.25

olv^4* 1.0 0.758 0.5 (1,0)
 $cmyn4*$ 0.0 0.12 0.25

standard and adapted CIELAB

LAB^*LAB 76.06 -0.6 3.44
 LAB^*TCh 76.06 0.0 0.0

relative CIELAB lab*

lab^*lab 0.728 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.75 0.0 0.0
 lab^*nCE 0.25 0.0 0.0

relative Inform. Technology (IV)

olv^3* 0.5 0.5 0.5 (1,0)
 $cmyn3*$ 0.5 0.5 0.5

olv^4* 1.0 1.0 1.0
 $cmyn4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 56.71 0.23 2.14
 LAB^*TCh 56.71 0.0 0.0

relative CIELAB lab*

lab^*lab 0.728 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.75 0.0 0.0
 lab^*nCE 0.25 0.0 0.0

relative Inform. Technology (V)

olv^3* 0.5 0.258 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 1.0 1.0 1.0
 $cmyn4*$ 0.0 0.988 0.75 (0,0)

standard and adapted CIELAB

LAB^*LAB 18.02 0.5 -0.46
 LAB^*TCh 0.01 0.0 0.0

relative CIELAB lab*

lab^*lab 0.228 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.228 0.0 0.25
 lab^*nCE 0.75 0.25 0.99

relative Inform. Technology (VI)

olv^3* 0.25 0.238 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 0.5 0.988 0.75 (0,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

standard and adapted CIELAB

LAB^*LAB 55.68 -0.52 22.29
 LAB^*TCh 55.68 -0.68 21.57

relative CIELAB lab*

lab^*lab 0.228 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.228 0.0 0.25
 lab^*nCE 0.75 0.25 0.99

relative Inform. Technology (VII)

olv^3* 0.25 0.238 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 0.5 0.988 0.75 (0,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

standard and adapted CIELAB

LAB^*LAB 55.68 -0.52 22.29
 LAB^*TCh 55.68 -0.68 21.57

relative CIELAB lab*

lab^*lab 0.228 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.228 0.0 0.25
 lab^*nCE 0.75 0.25 0.99

relative Inform. Technology (VIII)

olv^3* 0.25 0.238 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 0.5 0.988 0.75 (0,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

standard and adapted CIELAB

LAB^*LAB 55.68 -0.52 22.29
 LAB^*TCh 55.68 -0.68 21.57

relative CIELAB lab*

lab^*lab 0.228 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.228 0.0 0.25
 lab^*nCE 0.75 0.25 0.99

relative Inform. Technology (IX)

olv^3* 0.25 0.238 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 0.5 0.988 0.75 (0,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

standard and adapted CIELAB

LAB^*LAB 55.68 -0.52 22.29
 LAB^*TCh 55.68 -0.68 21.57

relative CIELAB lab*

lab^*lab 0.228 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.228 0.0 0.25
 lab^*nCE 0.75 0.25 0.99

relative Inform. Technology (X)

olv^3* 0.25 0.238 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 0.5 0.988 0.75 (0,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

standard and adapted CIELAB

LAB^*LAB 55.68 -0.52 22.29
 LAB^*TCh 55.68 -0.68 21.57

relative CIELAB lab*

lab^*lab 0.228 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.228 0.0 0.25
 lab^*nCE 0.75 0.25 0.99

relative Inform. Technology (XI)

olv^3* 0.25 0.238 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 0.5 0.988 0.75 (0,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

standard and adapted CIELAB

LAB^*LAB 55.68 -0.52 22.29
 LAB^*TCh 55.68 -0.68 21.57

relative CIELAB lab*

lab^*lab 0.228 -0.007 0.25
 lab^*tch 0.25 0.25 0.25

lab^*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab^*tch 0.228 0.0 0.25
 lab^*nCE 0.75 0.25 0.99

relative Inform. Technology (XII)

olv^3* 0.25 0.238 0.25 (1,0)
 $cmyn3*$ 0.75 0.761 1.0 (0,0)

olv^4* 0.5 0.988 0.75 (0,0)
 $cmyn4*$ 0.0 0.024 0.5 (0,0)

standard and adapted CIELAB

LAB^*LAB 55.68 -0.52 22.29
 LAB^*TCh 55.68 -0.68 21.57

relative CIELAB lab*

<p

Siehe ähnliche Dateien: <http://www.ps.bam.de/TG40/>
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

Eingabe: Farbmétrisches Reflexions-System ORS18

für Bunton $h^* = lab^*h = 164/360 = 0.457$

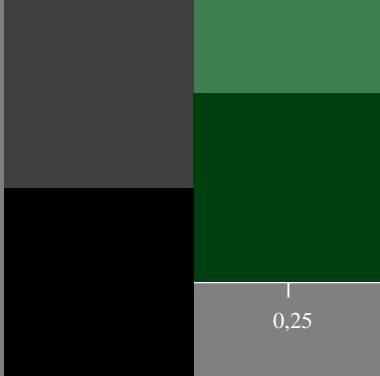
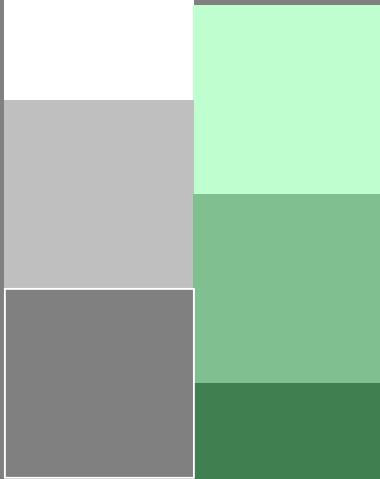
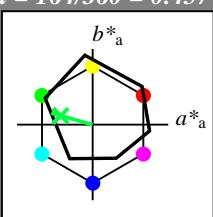
lab^*tch und lab^*nch

D65: Bunton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^*=L_a^*$	a^*_a	b^*_a	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	47.94	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

Ausgabe: Farbmétrisches Reflexions-System MRS18

für Bunton $h^* = lab^*h = 164/360 = 0.457$

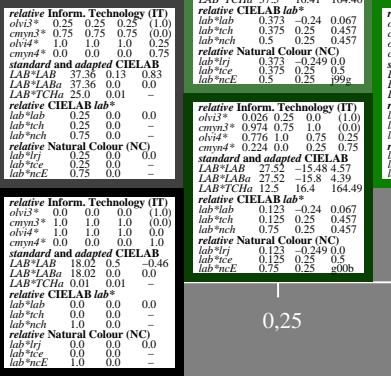
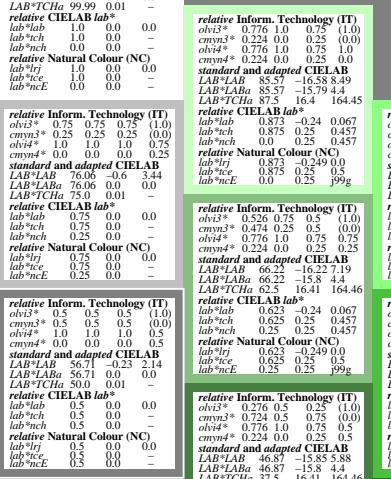
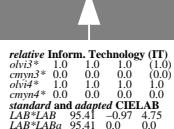
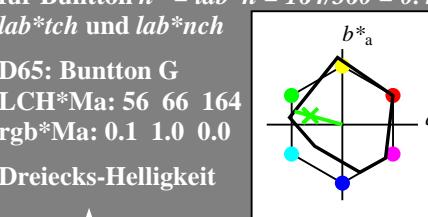
lab^*tch und lab^*nch

D65: Bunton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L_a^*$	a^*_a	b^*_a	$C_{ab,a}^*$	$h_{ab,a}^*$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	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	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

%Regularität

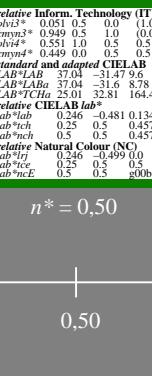
$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$



TG400-7, 5stufige Reihen für konstanten CIELAB Bunton 164/360 = 0.457 (links)

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

BAM-Prüfvorlage TG40; Farbmétrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$
 D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: Startup (S) data dependend

