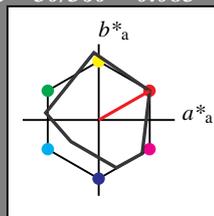


Eingabe: Farbmétrisches Reflexions-System MRS18

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

D65: Buntton R
 LCH*Ma: 50 77 30
 olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

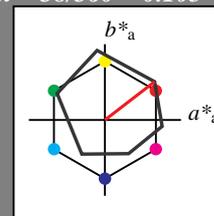
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	71.67	32.15	28.41
LAB*LABa	71.67	32.68	25.25
LAB*TCHa	75.0	41.3	37.7

relative CIELAB lab*

lab*lab	0.693	0.396	0.306
lab*tch	0.75	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*lrj	0.693	0.477	0.15
lab*tce	0.75	0.5	0.048
lab*nce	0.0	0.5	r19j

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	0.5
cmyn4*	0.0	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	32.98	32.9	25.8
LAB*LABa	32.98	32.68	25.25
LAB*TCHa	25.01	41.3	37.7

relative CIELAB lab*

lab*lab	0.193	0.396	0.306
lab*tch	0.25	0.5	0.105
lab*nch	0.5	0.5	0.105

relative Natural Colour (NC)

lab*lrj	0.193	0.477	0.15
lab*tce	0.25	0.5	0.048
lab*nce	0.5	0.5	r19j

relative Inform. Technology (IT)

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

standard and adapted CIELAB

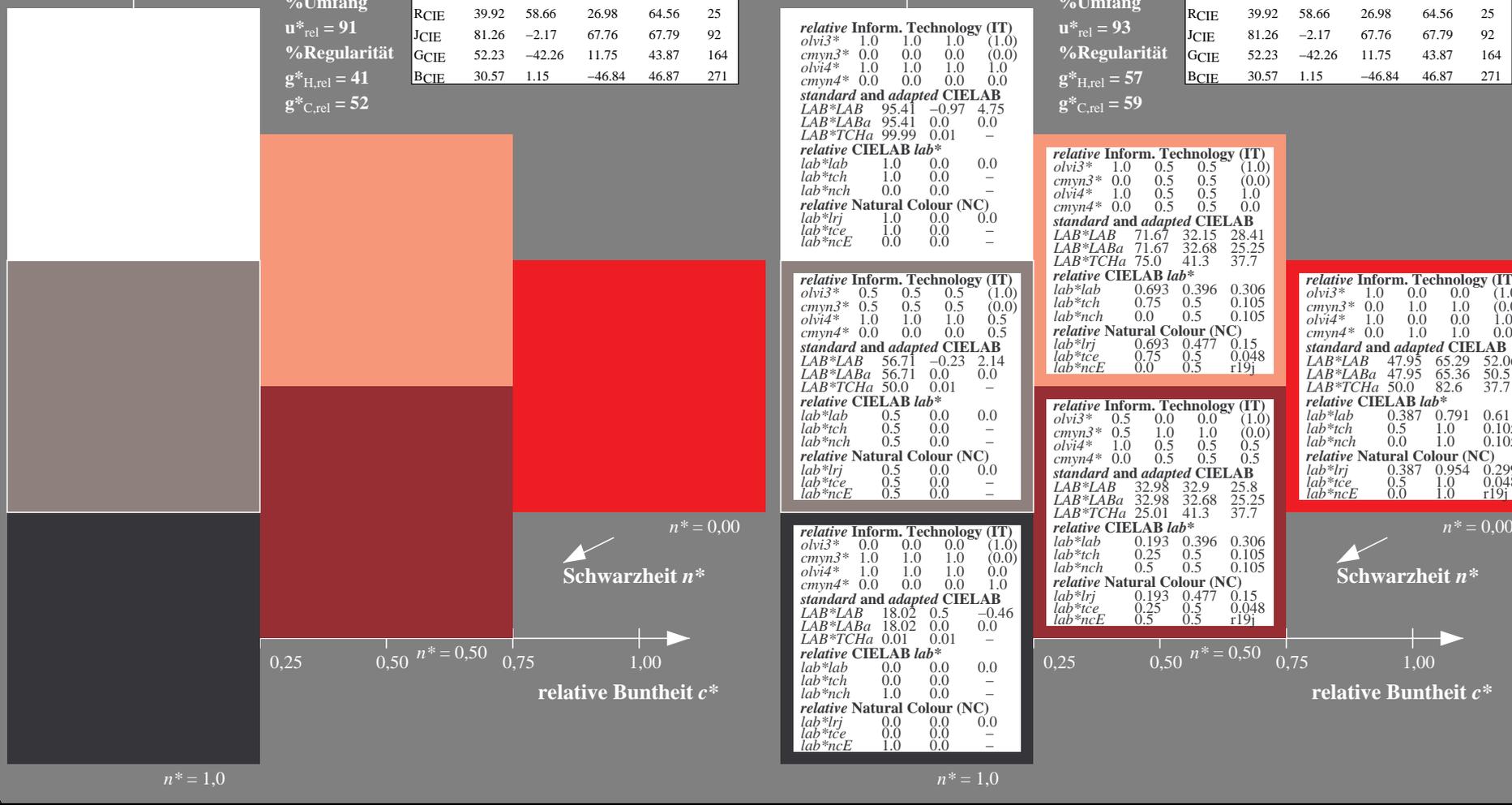
LAB*LAB	47.95	65.29	52.06
LAB*LABa	47.95	65.36	50.51
LAB*TCHa	50.0	82.6	37.7

relative CIELAB lab*

lab*lab	0.387	0.791	0.611
lab*tch	0.5	1.0	0.105
lab*nch	0.0	1.0	0.105

relative Natural Colour (NC)

lab*lrj	0.387	0.954	0.299
lab*tce	0.5	1.0	0.048
lab*nce	0.0	1.0	r19j



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

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

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18input: *cmly0* setcmlycolor*

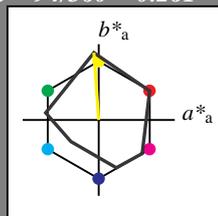
D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Eingabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$
 lab^*tch und lab^*nch

D65: Buntton J
 LCH*Ma: 91 89 94
 olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

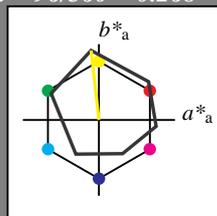
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	92.88	-6.06	50.46
LAB*LABa	92.88	-5.13	45.87
LAB*TCHa	75.0	46.16	96.39

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497
lab*tch	0.75	0.5	0.268
lab*nch	0.0	0.5	0.268

relative Natural Colour (NC)

lab*lrj	0.967	-0.048	0.497
lab*tce	0.75	0.5	0.266
lab*nce	0.0	0.5	j06g

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	90.37	-11.15	96.17
LAB*LABa	90.37	-10.26	91.75
LAB*TCHa	50.0	92.32	96.39

relative CIELAB lab*

lab*lab	0.935	-0.11	0.994
lab*tch	0.5	1.0	0.268
lab*nch	0.0	1.0	0.268

relative Natural Colour (NC)

lab*lrj	0.935	-0.097	0.995
lab*tce	0.5	1.0	0.266
lab*nce	0.0	1.0	j06g

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	54.19	-5.32	47.85
LAB*LABa	54.19	-5.13	45.87
LAB*TCHa	25.01	46.16	96.39

relative CIELAB lab*

lab*lab	0.467	-0.055	0.497
lab*tch	0.25	0.5	0.268
lab*nch	0.5	0.5	0.268

relative Natural Colour (NC)

lab*lrj	0.467	-0.048	0.497
lab*tce	0.25	0.5	0.266
lab*nce	0.5	0.5	j06g

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.46
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5

standard and adapted CIELAB

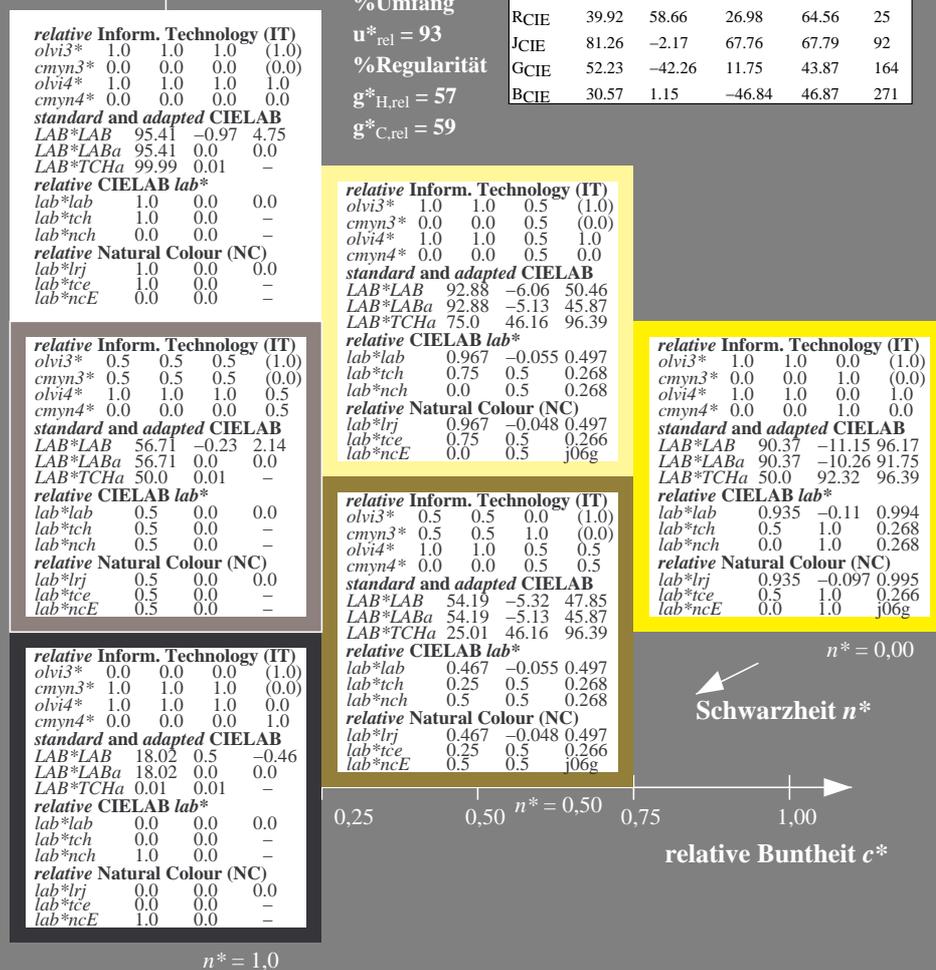
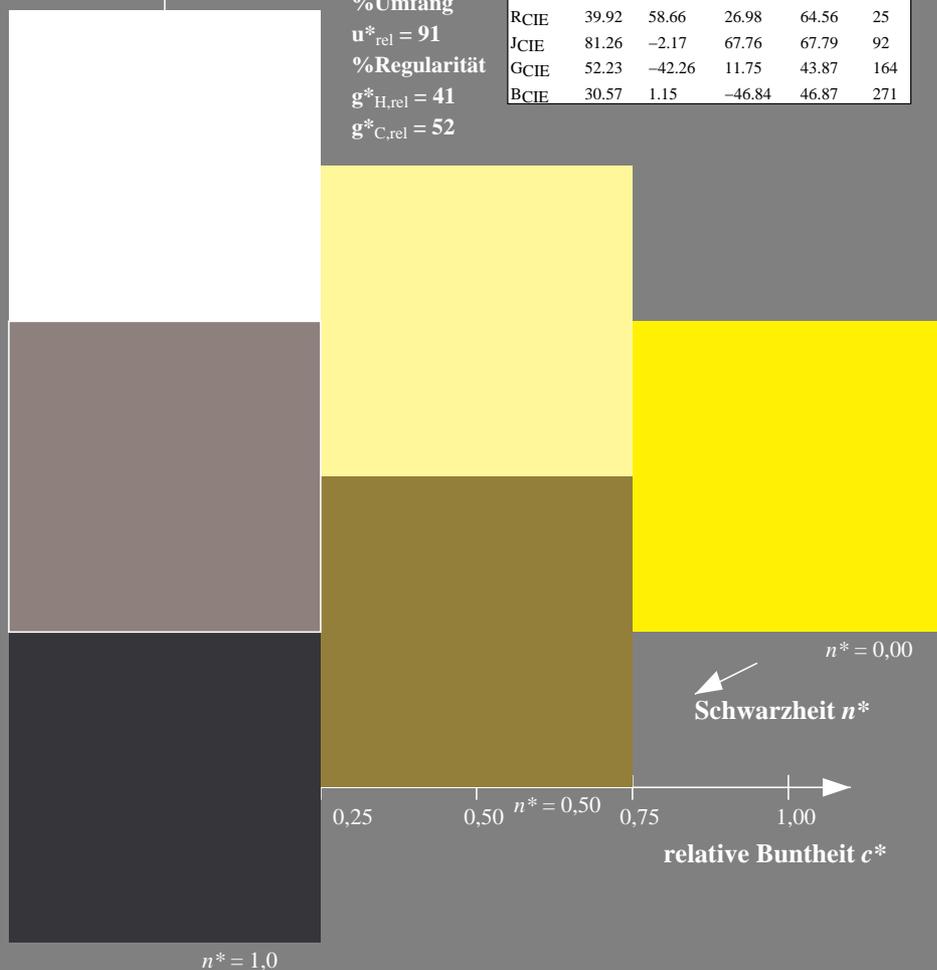
LAB*LAB	54.19	-5.32	47.85
LAB*LABa	54.19	-5.13	45.87
LAB*TCHa	25.01	46.16	96.39

relative CIELAB lab*

lab*lab	0.467	-0.055	0.497
lab*tch	0.25	0.5	0.268
lab*nch	0.5	0.5	0.268

relative Natural Colour (NC)

lab*lrj	0.467	-0.048	0.497
lab*tce	0.25	0.5	0.266
lab*nce	0.5	0.5	j06g



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (links)

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

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18input: *cmly0* setcmlycolor*

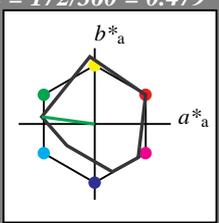
D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Eingabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$
 lab^*tch und lab^*nch

D65: Buntton G
 LCH*Ma: 52 70 172
 olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

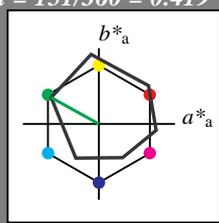
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ -0.97 \ 4.75$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCHa = 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*tch = 1.0 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ -0.23 \ 2.14$
 $LAB^*LABa = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCHa = 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ -$
 $lab^*nch = 0.5 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 1.0$

standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.5 \ -0.46$
 $LAB^*LABa = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCHa = 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* = 0.5 \ 1.0 \ 0.5 \ 1.0$
 $cmyn4^* = 0.5 \ 0.0 \ 0.5 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 73.15 \ -31.94 \ 20.73$
 $LAB^*LABa = 73.15 \ -31.38 \ 17.47$
 $LAB^*TCHa = 75.0 \ 35.93 \ 150.91$

relative CIELAB lab*
 $lab^*lab = 0.712 \ -0.436 \ 0.243$
 $lab^*tch = 0.75 \ 0.5 \ 0.419$
 $lab^*nch = 0.0 \ 0.5 \ 0.419$

relative Natural Colour (NC)
 $lab^*lrj = 0.712 \ -0.478 \ 0.144$
 $lab^*tce = 0.75 \ 0.5 \ 0.453$
 $lab^*nce = 0.0 \ 0.5 \ j81g$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.5 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 0.5 \ 1.0 \ (0.0)$
 $olvi4^* = 0.5 \ 1.0 \ 0.5 \ 0.5$
 $cmyn4^* = 0.5 \ 0.0 \ 0.5 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 34.46 \ -31.2 \ 18.11$
 $LAB^*LABa = 34.46 \ -31.38 \ 17.47$
 $LAB^*TCHa = 25.01 \ 35.93 \ 150.91$

relative CIELAB lab*
 $lab^*lab = 0.213 \ -0.436 \ 0.243$
 $lab^*tch = 0.25 \ 0.5 \ 0.419$
 $lab^*nch = 0.5 \ 0.5 \ 0.419$

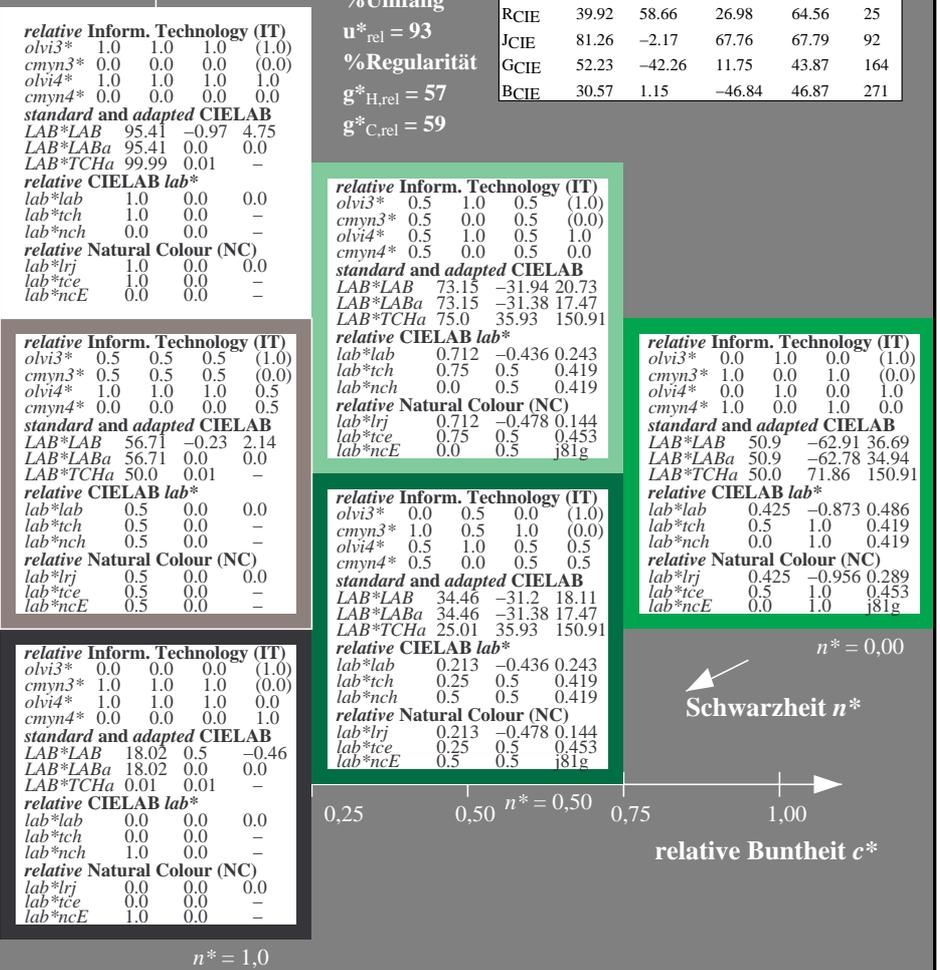
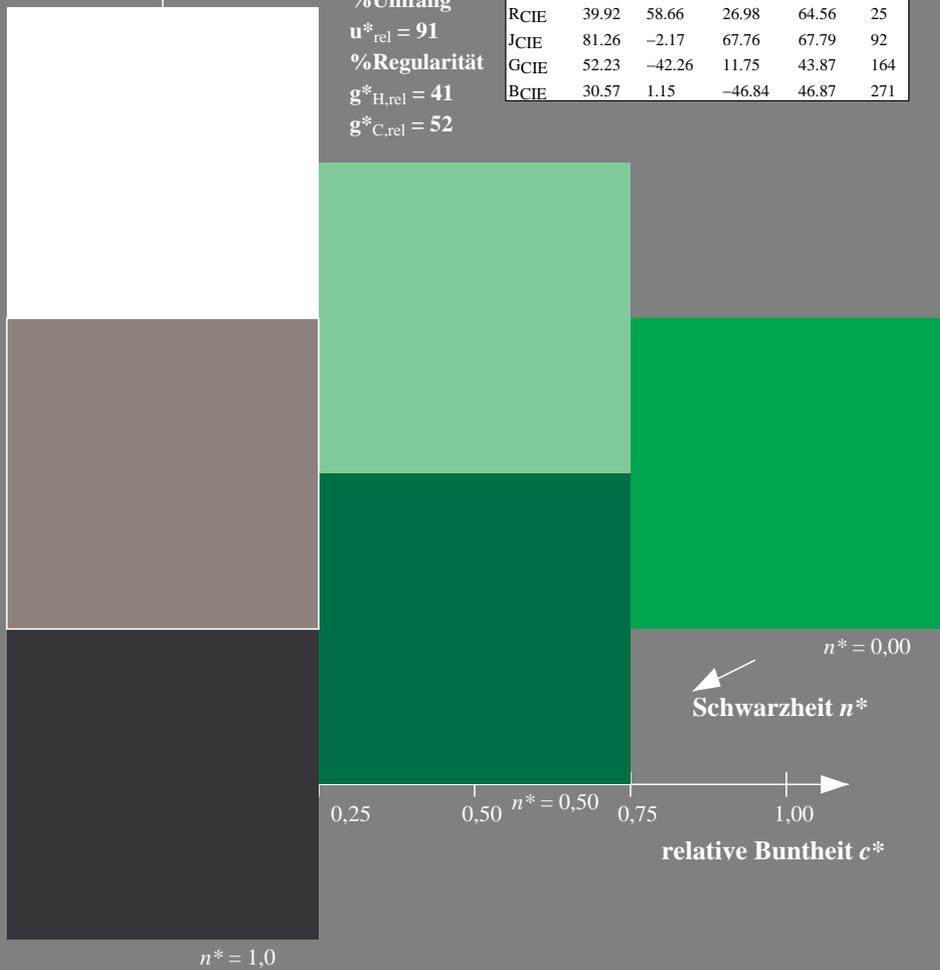
relative Natural Colour (NC)
 $lab^*lrj = 0.213 \ -0.478 \ 0.144$
 $lab^*tce = 0.25 \ 0.5 \ 0.453$
 $lab^*nce = 0.5 \ 0.5 \ j81g$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 1.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 0.0 \ 1.0 \ (0.0)$
 $olvi4^* = 0.0 \ 1.0 \ 0.0 \ 1.0$
 $cmyn4^* = 1.0 \ 0.0 \ 1.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 50.9 \ -62.91 \ 36.69$
 $LAB^*LABa = 50.9 \ -62.78 \ 34.94$
 $LAB^*TCHa = 50.0 \ 71.86 \ 150.91$

relative CIELAB lab*
 $lab^*lab = 0.425 \ -0.873 \ 0.486$
 $lab^*tch = 0.5 \ 1.0 \ 0.419$
 $lab^*nch = 0.0 \ 1.0 \ 0.419$

relative Natural Colour (NC)
 $lab^*lrj = 0.425 \ -0.956 \ 0.289$
 $lab^*tce = 0.5 \ 1.0 \ 0.453$
 $lab^*nce = 0.0 \ 1.0 \ j81g$



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (links)

3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18
 D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
 input: $cmY0^* \ setcmykcolor$
 output: $no \ change \ compared \ to \ input$

BAM-Registrierung: 20060101-UG05/10Q/Q05G02NP.PS/.PDF
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
 /UG05/ Form: 3/10, Serie: 1/1, Seite: 3
 Seitenlung 3
 Code=rh4ta

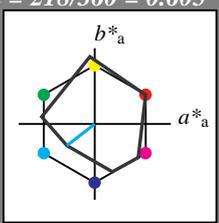
Siehe ähnliche Dateien: <http://www.ps.bam.de/UG05/>
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0

Eingabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$
 lab^*tch und lab^*nch

D65: Buntton G50B
 LCH*Ma: 45 46 218
 olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

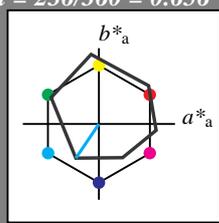
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ -0.97 \ 4.75$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCHa = 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*tch = 1.0 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ -0.23 \ 2.14$
 $LAB^*LABa = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCHa = 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ -$
 $lab^*nch = 0.5 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 1.0$

standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.5 \ -0.46$
 $LAB^*LABa = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCHa = 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 0.5 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* = 0.5 \ 0.0 \ 0.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 77.01 \ -15.79 \ -18.98$
 $LAB^*LABa = 77.01 \ -15.16 \ -22.5$
 $LAB^*TCHa = 75.0 \ 27.15 \ 236.01$

relative CIELAB lab*
 $lab^*lab = 0.762 \ -0.278 \ -0.413$
 $lab^*tch = 0.75 \ 0.5 \ 0.656$
 $lab^*nch = 0.0 \ 0.5 \ 0.656$

relative Natural Colour (NC)
 $lab^*lrj = 0.762 \ -0.247 \ -0.433$
 $lab^*tce = 0.75 \ 0.5 \ 0.667$
 $lab^*nce = 0.0 \ 0.5 \ 0.666$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 1.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* = 0.5 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.5 \ 0.0 \ 0.0 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 38.32 \ -15.05 \ -21.59$
 $LAB^*LABa = 38.32 \ -15.16 \ -22.5$
 $LAB^*TCHa = 25.01 \ 27.15 \ 236.01$

relative CIELAB lab*
 $lab^*lab = 0.262 \ -0.278 \ -0.413$
 $lab^*tch = 0.25 \ 0.5 \ 0.656$
 $lab^*nch = 0.5 \ 0.5 \ 0.656$

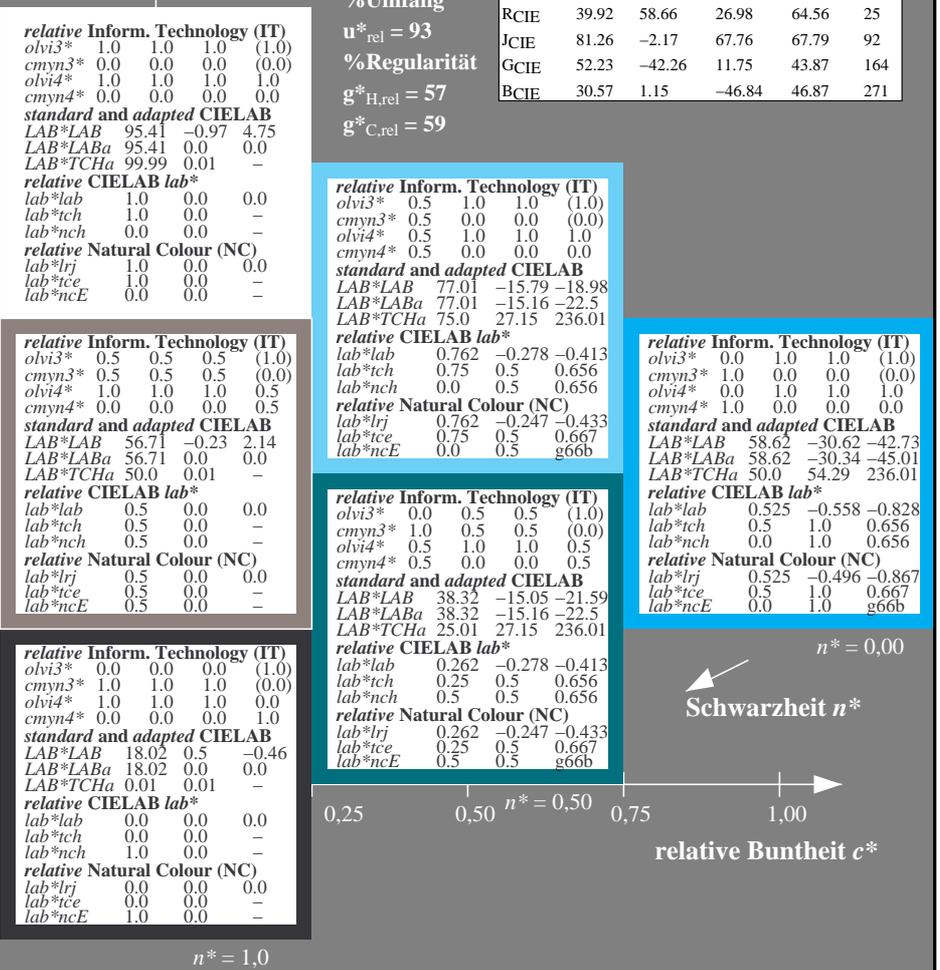
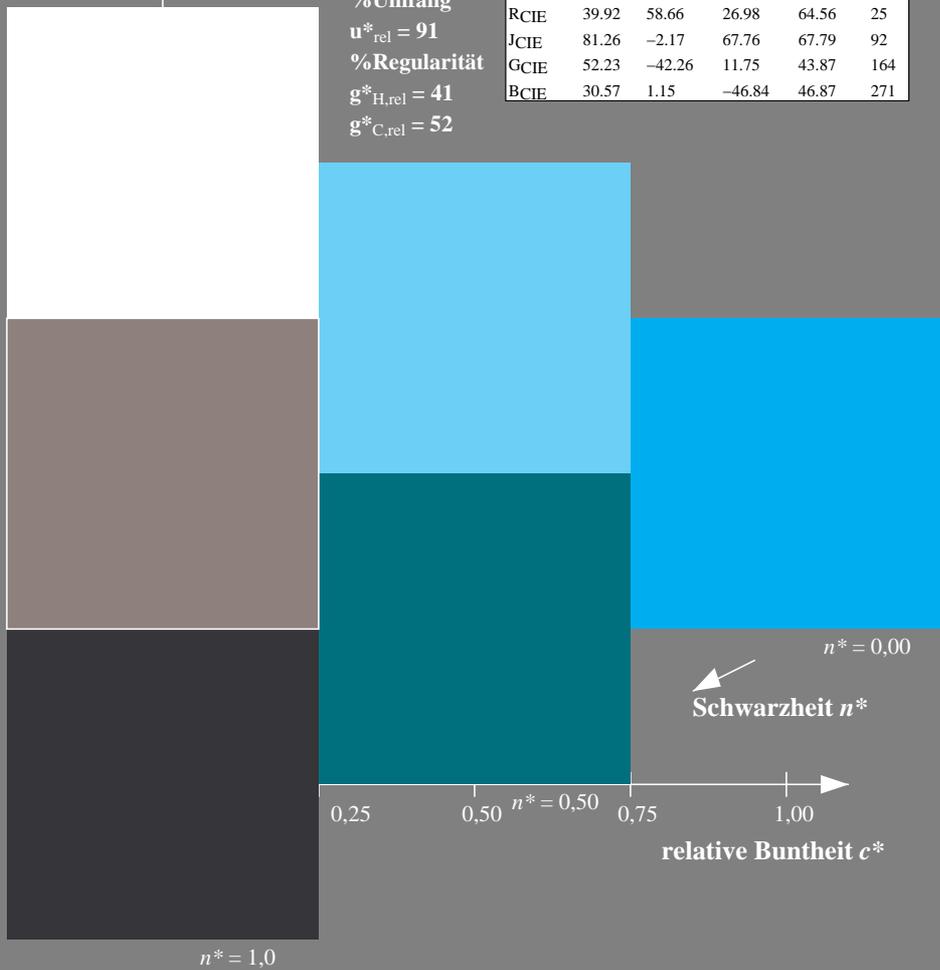
relative Natural Colour (NC)
 $lab^*lrj = 0.262 \ -0.247 \ -0.433$
 $lab^*tce = 0.25 \ 0.5 \ 0.667$
 $lab^*nce = 0.5 \ 0.5 \ 0.666$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 0.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* = 1.0 \ 0.0 \ 0.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 58.62 \ -30.62 \ -42.73$
 $LAB^*LABa = 58.62 \ -30.34 \ -45.01$
 $LAB^*TCHa = 50.0 \ 54.29 \ 236.01$

relative CIELAB lab*
 $lab^*lab = 0.525 \ -0.558 \ -0.828$
 $lab^*tch = 0.5 \ 1.0 \ 0.656$
 $lab^*nch = 0.0 \ 1.0 \ 0.656$

relative Natural Colour (NC)
 $lab^*lrj = 0.525 \ -0.496 \ -0.867$
 $lab^*tce = 0.5 \ 1.0 \ 0.667$
 $lab^*nce = 0.0 \ 1.0 \ 0.666$



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

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

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18
 D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
 input: $cmY0^* \ setcmykcolor$
 output: $no \ change \ compared \ to \ input$

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG05/>
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,0

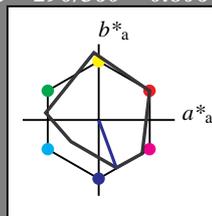
BAM-Registrierung: 20060101-UG05/10Q/Q05G03NP.PS/.PDF BAM-Material: Code=rh4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
 /UG05/ Form: 4/10, Serie: 1/1, Seite: 4
 Seitenhang 4

Eingabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$
 lab^*tch und lab^*nch

D65: Buntton B
 LCH*Ma: 37 67 290
 olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

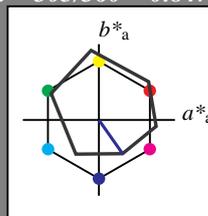
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

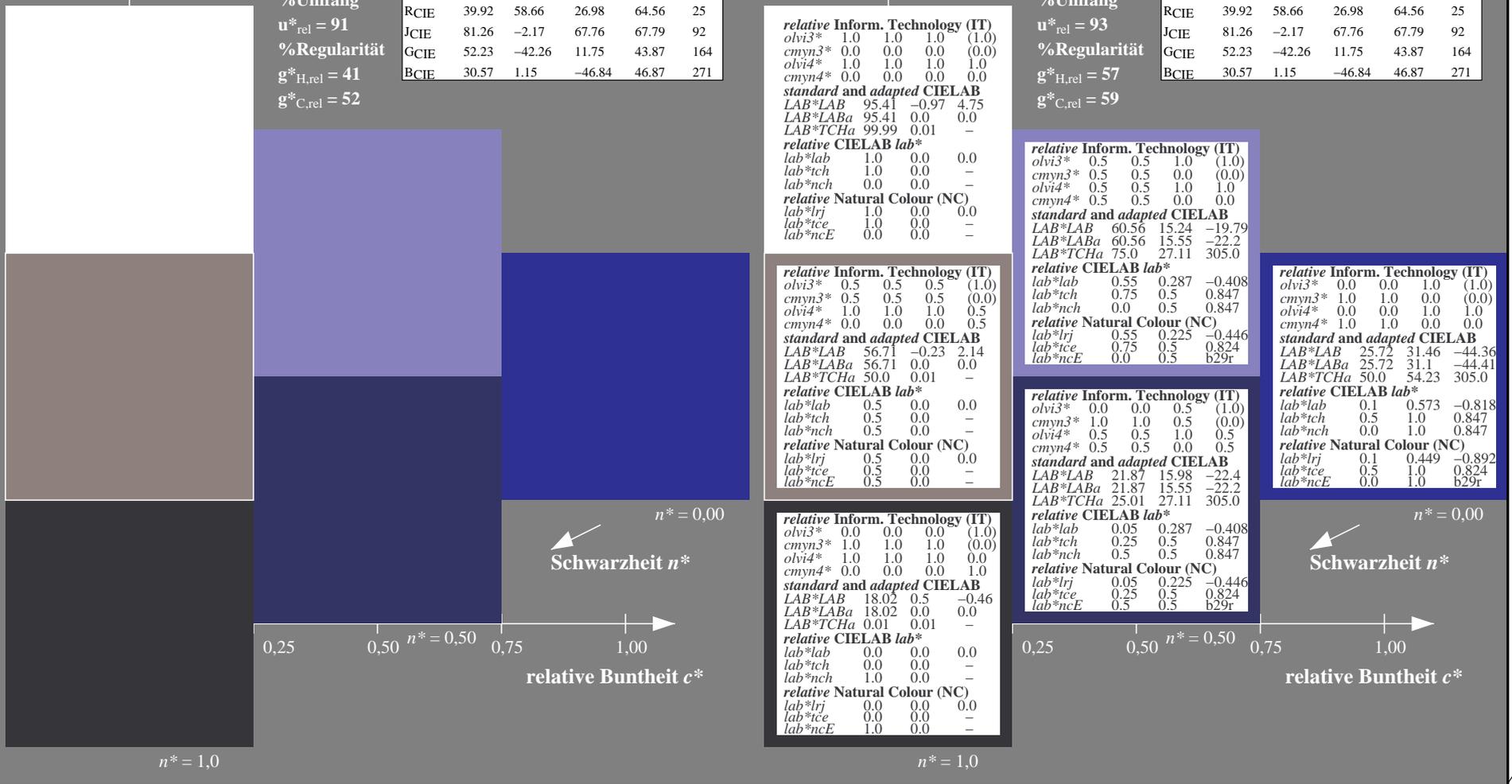
relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0$
standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ -0.97 \ 4.75$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCHa = 99.99 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*tch = 1.0 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$
relative Natural Colour (NC)
 $lab^*lrj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.0 \ (0.0)$
 $olvi4^* = 0.5 \ 0.5 \ 1.0 \ 1.0$
 $cmyn4^* = 0.5 \ 0.5 \ 0.0 \ 0.0$
standard and adapted CIELAB
 $LAB^*LAB = 60.56 \ 15.24 \ -19.79$
 $LAB^*LABa = 60.56 \ 15.55 \ -22.2$
 $LAB^*TCHa = 75.0 \ 27.11 \ 305.0$
relative CIELAB lab*
 $lab^*lab = 0.55 \ 0.287 \ -0.408$
 $lab^*tch = 0.75 \ 0.5 \ 0.847$
 $lab^*nch = 0.0 \ 0.5 \ 0.847$
relative Natural Colour (NC)
 $lab^*lrj = 0.55 \ 0.225 \ -0.446$
 $lab^*tce = 0.75 \ 0.5 \ 0.824$
 $lab^*nce = 0.0 \ 0.5 \ b29r$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$
standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ -0.23 \ 2.14$
 $LAB^*LABa = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCHa = 50.0 \ 0.01 \ -$
relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ -$
 $lab^*nch = 0.5 \ 0.0 \ -$
relative Natural Colour (NC)
 $lab^*lrj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.5 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 0.5 \ (0.0)$
 $olvi4^* = 0.5 \ 0.5 \ 1.0 \ 0.5$
 $cmyn4^* = 0.5 \ 0.5 \ 0.0 \ 0.5$
standard and adapted CIELAB
 $LAB^*LAB = 21.87 \ 15.98 \ -22.4$
 $LAB^*LABa = 21.87 \ 15.55 \ -22.2$
 $LAB^*TCHa = 25.01 \ 27.11 \ 305.0$
relative CIELAB lab*
 $lab^*lab = 0.05 \ 0.287 \ -0.408$
 $lab^*tch = 0.25 \ 0.5 \ 0.847$
 $lab^*nch = 0.5 \ 0.5 \ 0.847$
relative Natural Colour (NC)
 $lab^*lrj = 0.05 \ 0.225 \ -0.446$
 $lab^*tce = 0.25 \ 0.5 \ 0.824$
 $lab^*nce = 0.5 \ 0.5 \ b29r$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 0.0 \ (0.0)$
 $olvi4^* = 0.0 \ 0.0 \ 1.0 \ 1.0$
 $cmyn4^* = 1.0 \ 1.0 \ 0.0 \ 0.0$
standard and adapted CIELAB
 $LAB^*LAB = 25.72 \ 31.46 \ -44.36$
 $LAB^*LABa = 25.72 \ 31.1 \ -44.41$
 $LAB^*TCHa = 50.0 \ 54.23 \ 305.0$
relative CIELAB lab*
 $lab^*lab = 0.1 \ 0.573 \ -0.818$
 $lab^*tch = 0.5 \ 1.0 \ 0.847$
 $lab^*nch = 0.0 \ 1.0 \ 0.847$
relative Natural Colour (NC)
 $lab^*lrj = 0.1 \ 0.449 \ -0.892$
 $lab^*tce = 0.5 \ 1.0 \ 0.824$
 $lab^*nce = 0.0 \ 1.0 \ b29r$



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

3 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18
 D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
 input: $cmY0^* \ setcmykcolor$
 output: $no \ change \ compared \ to \ input$

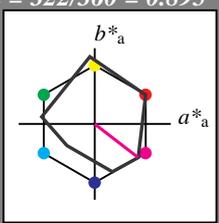
BAM-Registrierung: 20060101-UG05/10Q/Q05G04NP.PS/.PDF BAM-Material: Code=rh4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
 /UG05/ Form: 5/10, Serie: 1/1, Seite: 5
 Seitenlung 5

Eingabe: Farbmétrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$
 lab^*tch und lab^*nch

D65: Buntton B50R
 LCH*Ma: 35 72 322
 olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

MRS18; adaptierte CIELAB-Daten

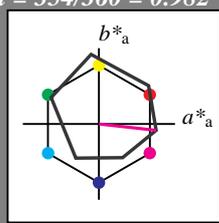
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Ausgabe: Farbmétrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$
 lab^*tch und lab^*nch

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

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.0 0.0$

standard and adapted CIELAB
 $LAB^*LAB 95.41 -0.97 4.75$
 $LAB^*LABa 95.41 0.0 0.0$
 $LAB^*TCHa 99.99 0.01 -$

relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 -$

relative Natural Colour (NC)
 $lab^*lrj 1.0 0.0 0.0$
 $lab^*tce 1.0 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 0.5$
 $cmyn4^* 0.0 0.0 0.0 0.5$

standard and adapted CIELAB
 $LAB^*LAB 56.71 -0.23 2.14$
 $LAB^*LABa 56.71 0.0 0.0$
 $LAB^*TCHa 50.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$

relative Natural Colour (NC)
 $lab^*lrj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0 (1.0)$
 $cmyn3^* 1.0 1.0 1.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 0.0$
 $cmyn4^* 0.0 0.0 0.0 1.0$

standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*LABa 18.02 0.0 0.0$
 $LAB^*TCHa 0.01 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 1.0 0.0 -$

relative Natural Colour (NC)
 $lab^*lrj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 1.0 0.5 1.0 (1.0)$
 $cmyn3^* 0.0 0.5 0.0 (0.0)$
 $olvi4^* 1.0 0.5 1.0 1.0$
 $cmyn4^* 0.0 0.5 0.0 0.0$

standard and adapted CIELAB
 $LAB^*LAB 71.77 37.1 -1.01$
 $LAB^*LABa 71.77 37.63 -4.17$
 $LAB^*TCHa 75.0 37.86 353.66$

relative CIELAB lab*
 $lab^*lab 0.695 0.497 -0.054$
 $lab^*tch 0.75 0.5 0.982$
 $lab^*nch 0.0 0.5 0.982$

relative Natural Colour (NC)
 $lab^*lrj 0.695 0.454 -0.208$
 $lab^*tce 0.75 0.5 0.932$
 $lab^*nce 0.0 0.5 0.72r$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.0 0.5 (1.0)$
 $cmyn3^* 0.5 1.0 0.5 (0.0)$
 $olvi4^* 1.0 0.5 1.0 0.5$
 $cmyn4^* 0.0 0.5 0.0 0.5$

standard and adapted CIELAB
 $LAB^*LAB 33.08 37.84 -3.62$
 $LAB^*LABa 33.08 37.63 -4.17$
 $LAB^*TCHa 25.01 37.86 353.66$

relative CIELAB lab*
 $lab^*lab 0.195 0.497 -0.054$
 $lab^*tch 0.25 0.5 0.982$
 $lab^*nch 0.5 0.5 0.982$

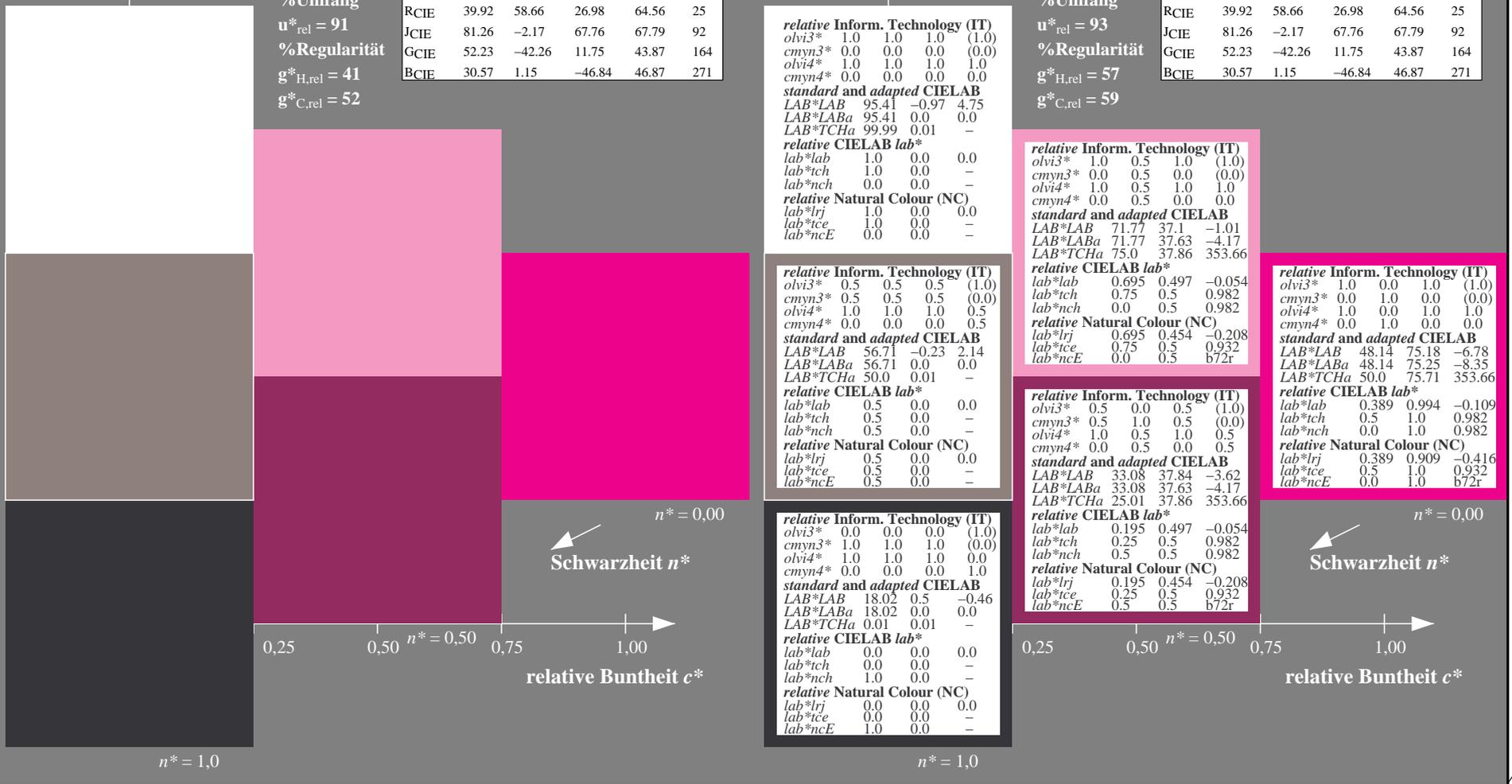
relative Natural Colour (NC)
 $lab^*lrj 0.195 0.454 -0.208$
 $lab^*tce 0.25 0.5 0.932$
 $lab^*nce 0.5 0.5 0.72r$

relative Inform. Technology (IT)
 $olvi3^* 1.0 0.0 1.0 (1.0)$
 $cmyn3^* 0.0 1.0 0.0 (0.0)$
 $olvi4^* 1.0 0.0 1.0 1.0$
 $cmyn4^* 0.0 1.0 0.0 0.0$

standard and adapted CIELAB
 $LAB^*LAB 48.14 75.18 -6.78$
 $LAB^*LABa 48.14 75.25 -8.35$
 $LAB^*TCHa 50.0 75.71 353.66$

relative CIELAB lab*
 $lab^*lab 0.389 0.994 -0.109$
 $lab^*tch 0.5 1.0 0.982$
 $lab^*nch 0.0 1.0 0.982$

relative Natural Colour (NC)
 $lab^*lrj 0.389 0.909 -0.416$
 $lab^*tce 0.5 1.0 0.932$
 $lab^*nce 0.0 1.0 0.72r$



Siehe ähnliche Dateien: <http://www.ps.bam.de/UG05/>
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,0

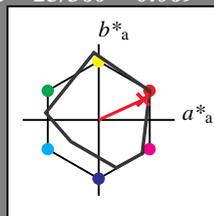
BAM-Registrierung: 20060101-UG05/10Q/Q05G05NP.PS/.PDF BAM-Material: Code=rha4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
 /UG05/ Form: 6/10, Serie: 1/1, Seite: 6
 Seitenzahl: 6

Eingabe: Farbmétrisches Reflexions-System MRS18

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

D65: Buntton R
 LCH*Ma: 48 73 25
 olv*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

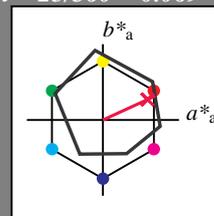
MRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

D65: Buntton R
 LCH*Ma: 48 75 25
 olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

ORS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ -0.97 \ 4.75$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCHa = 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*tch = 1.0 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ -0.23 \ 2.14$
 $LAB^*LABa = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCHa = 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ -$
 $lab^*nch = 0.5 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 1.0$

standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.5 \ -0.46$
 $LAB^*LABa = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCHa = 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 0.5 \ 0.661 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.5 \ 0.339 \ (0.0)$
 $olvi4^* = 1.0 \ 0.5 \ 0.661 \ 1.0$
 $cmyn4^* = 0.0 \ 0.5 \ 0.339 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 71.7 \ 33.75 \ 18.92$
 $LAB^*LABa = 71.7 \ 34.27 \ 15.76$
 $LAB^*TCHa = 75.0 \ 37.72 \ 24.69$

relative CIELAB lab*
 $lab^*lab = 0.694 \ 0.454 \ 0.209$
 $lab^*tch = 0.75 \ 0.5 \ 0.069$
 $lab^*nch = 0.0 \ 0.5 \ 0.069$

relative Natural Colour (NC)
 $lab^*lrj = 0.694 \ 0.5 \ 0.0$
 $lab^*tce = 0.75 \ 0.5 \ 1.0$
 $lab^*nce = 0.0 \ 0.5 \ 0.99r$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.0 \ 0.161 \ (1.0)$
 $cmyn3^* = 0.5 \ 1.0 \ 0.839 \ (0.0)$
 $olvi4^* = 1.0 \ 0.5 \ 0.661 \ 0.5$
 $cmyn4^* = 0.0 \ 0.5 \ 0.339 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 33.01 \ 34.49 \ 16.31$
 $LAB^*LABa = 33.01 \ 34.27 \ 15.77$
 $LAB^*TCHa = 25.01 \ 37.73 \ 24.7$

relative CIELAB lab*
 $lab^*lab = 0.194 \ 0.454 \ 0.209$
 $lab^*tch = 0.25 \ 0.5 \ 0.069$
 $lab^*nch = 0.5 \ 0.5 \ 0.069$

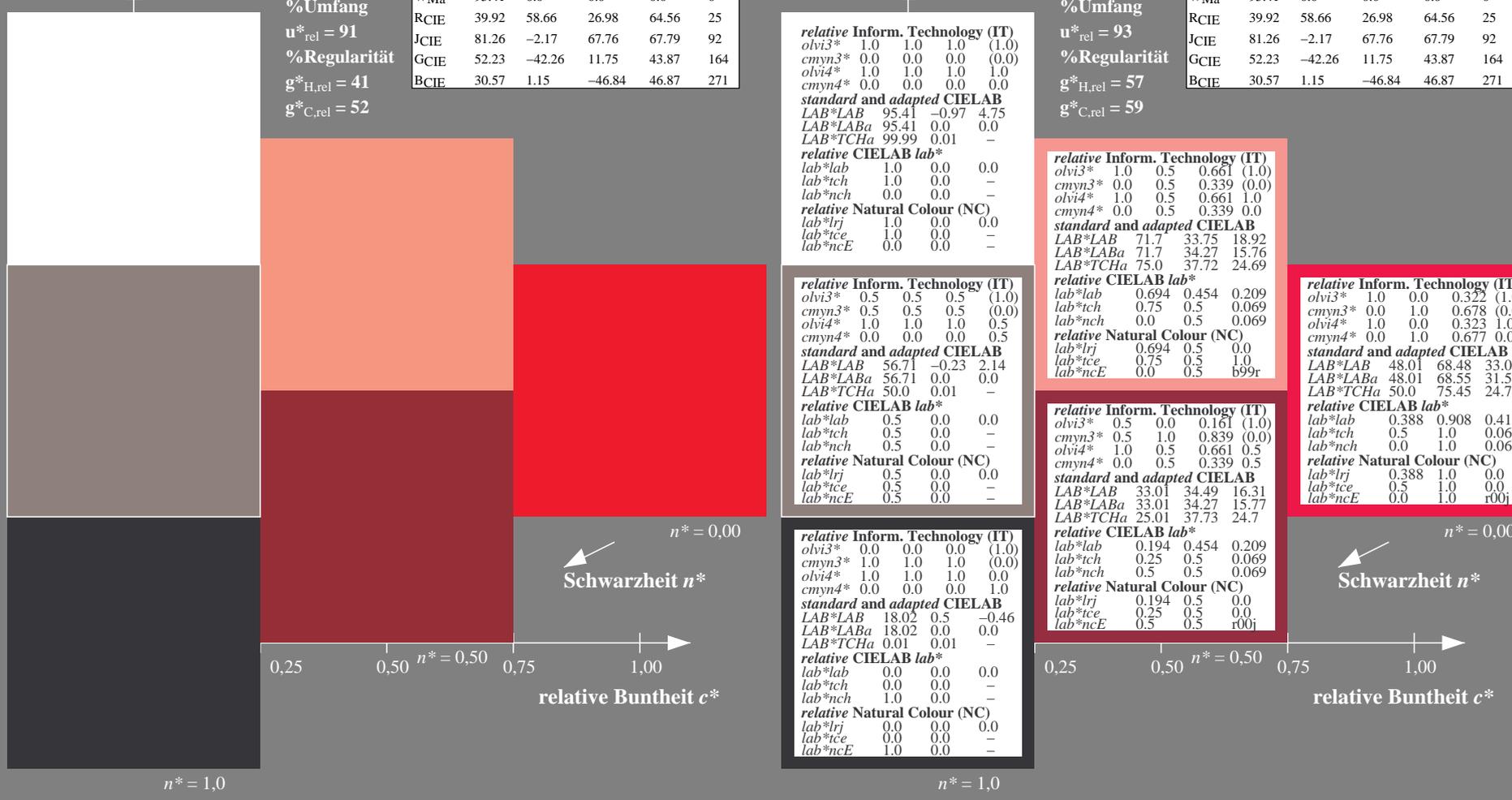
relative Natural Colour (NC)
 $lab^*lrj = 0.194 \ 0.5 \ 0.0$
 $lab^*tce = 0.25 \ 0.5 \ 0.0$
 $lab^*nce = 0.5 \ 0.5 \ 0.00j$

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 0.0 \ 0.322 \ (1.0)$
 $cmyn3^* = 0.0 \ 1.0 \ 0.678 \ (0.0)$
 $olvi4^* = 1.0 \ 0.0 \ 0.322 \ 1.0$
 $cmyn4^* = 0.0 \ 1.0 \ 0.677 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 48.01 \ 68.48 \ 33.09$
 $LAB^*LABa = 48.01 \ 68.55 \ 31.53$
 $LAB^*TCHa = 50.0 \ 75.45 \ 24.7$

relative CIELAB lab*
 $lab^*lab = 0.388 \ 0.908 \ 0.418$
 $lab^*tch = 0.5 \ 1.0 \ 0.069$
 $lab^*nch = 0.0 \ 1.0 \ 0.069$

relative Natural Colour (NC)
 $lab^*lrj = 0.388 \ 1.0 \ 0.0$
 $lab^*tce = 0.5 \ 1.0 \ 0.0$
 $lab^*nce = 0.0 \ 1.0 \ 0.00j$



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18input: *cmly0* setcmykcolor*

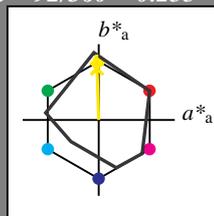
D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Eingabe: Farbmétrisches Reflexions-System MRS18

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

D65: Buntton J
 LCH*Ma: 89 86 92
 olv*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

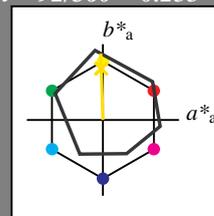
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

D65: Buntton J
 LCH*Ma: 86 88 92
 olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.5	(1.0)
cmyn3*	0.0	0.049	0.5	(0.0)
olvi4*	1.0	0.951	0.5	1.0
cmyn4*	0.0	0.049	0.5	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LABa	90.8	-1.41	43.85
LAB*TCHa	75.0	43.87	91.85

relative CIELAB lab*

lab*lab	0.94	-0.015	0.5
lab*tch	0.75	0.5	0.255
lab*nch	0.0	0.5	0.255

relative Natural Colour (NC)

lab*lrj	0.94	0.0	0.5
lab*tce	0.75	0.5	0.25
lab*nce	0.0	0.5	j00g

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.451	0.0	(1.0)
cmyn3*	0.5	0.549	1.0	(0.0)
olvi4*	1.0	0.951	0.5	0.5
cmyn4*	0.0	0.049	0.5	0.5

standard and adapted CIELAB

LAB*LAB	52.1	-1.55	45.68
LAB*LABa	52.1	-1.4	43.84
LAB*TCHa	25.01	43.87	91.84

relative CIELAB lab*

lab*lab	0.44	-0.015	0.5
lab*tch	0.25	0.5	0.255
lab*nch	0.5	0.5	0.255

relative Natural Colour (NC)

lab*lrj	0.44	0.0	0.5
lab*tce	0.25	0.5	0.25
lab*nce	0.5	0.5	j99j

relative Inform. Technology (IT)

olvi3*	1.0	0.901	0.0	(1.0)
cmyn3*	0.0	0.099	1.0	(0.0)
olvi4*	1.0	0.902	0.0	1.0
cmyn4*	0.0	0.098	1.0	0.0

standard and adapted CIELAB

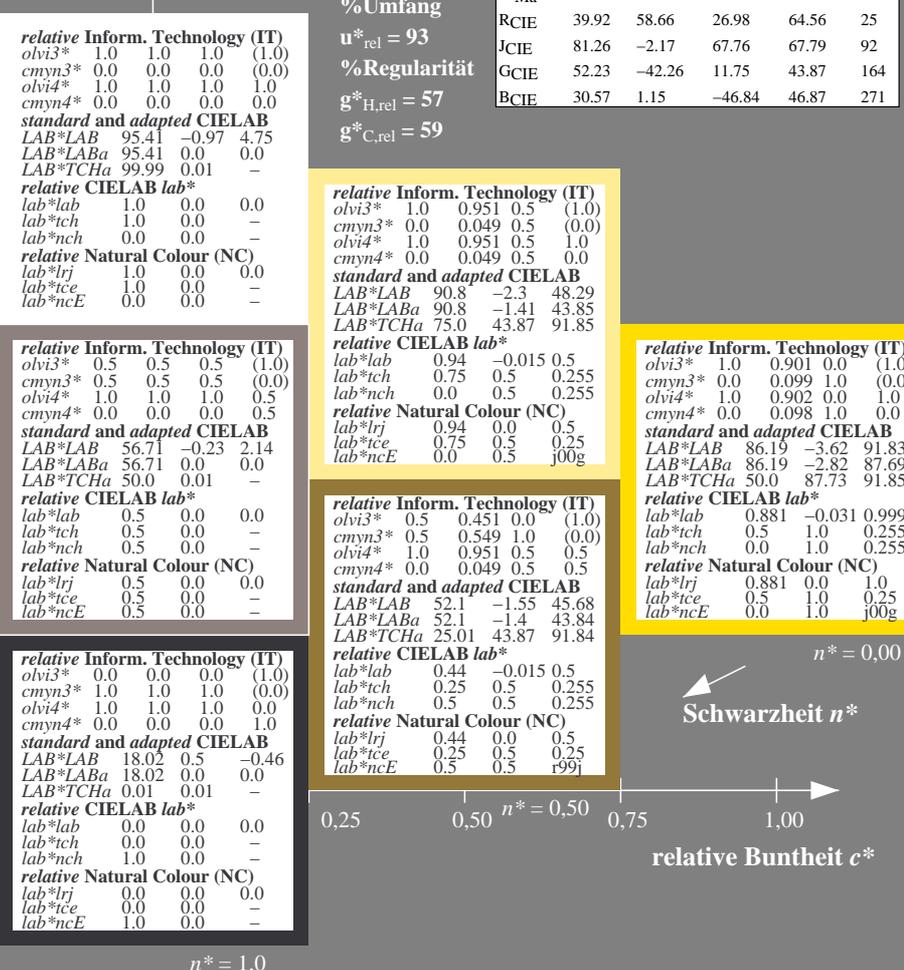
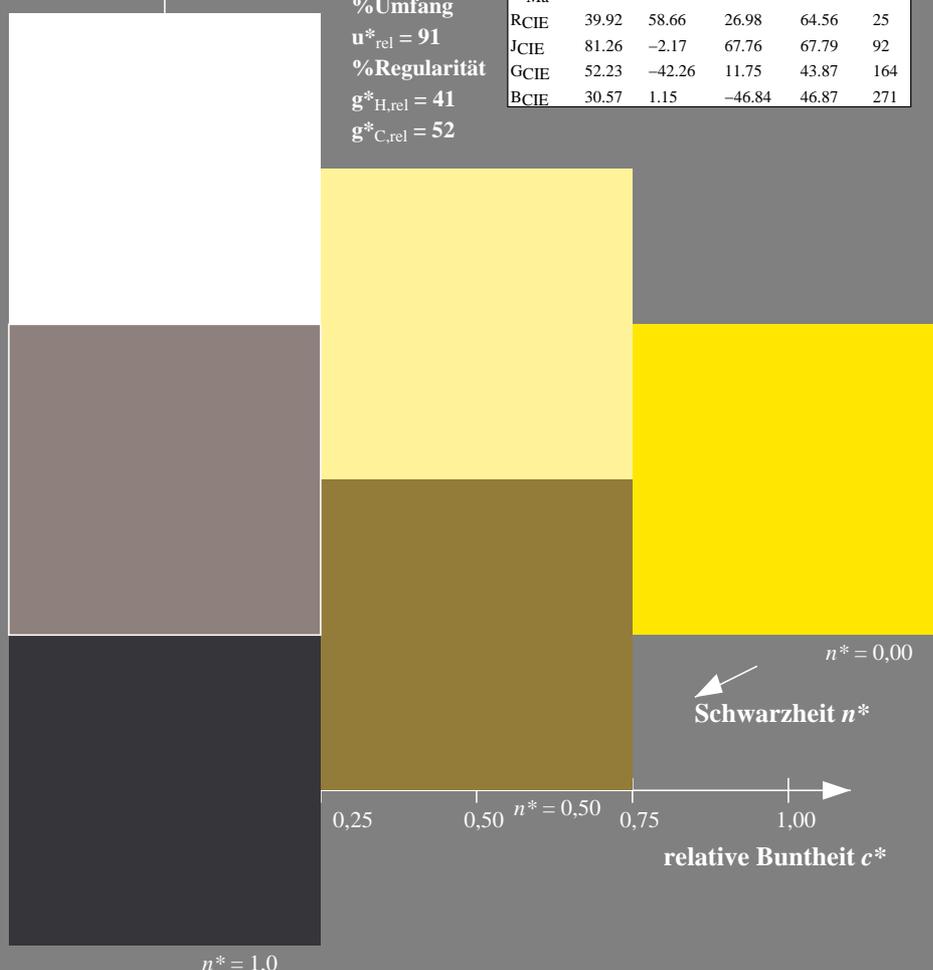
LAB*LAB	86.19	-3.62	91.83
LAB*LABa	86.19	-2.82	87.69
LAB*TCHa	50.0	87.73	91.85

relative CIELAB lab*

lab*lab	0.881	-0.031	0.999
lab*tch	0.5	1.0	0.255
lab*nch	0.0	1.0	0.255

relative Natural Colour (NC)

lab*lrj	0.881	0.0	1.0
lab*tce	0.5	1.0	0.25
lab*nce	0.0	1.0	j00g



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18input: *cmly0* setcmlycolor*

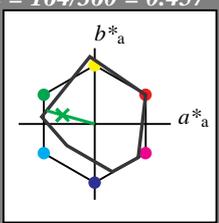
D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Eingabe: Farbmétrisches Reflexions-System MRS18

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

D65: Buntton G
 LCH*Ma: 56 66 164
 olv*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

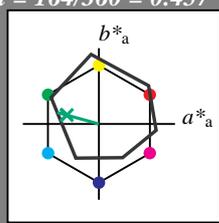
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

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

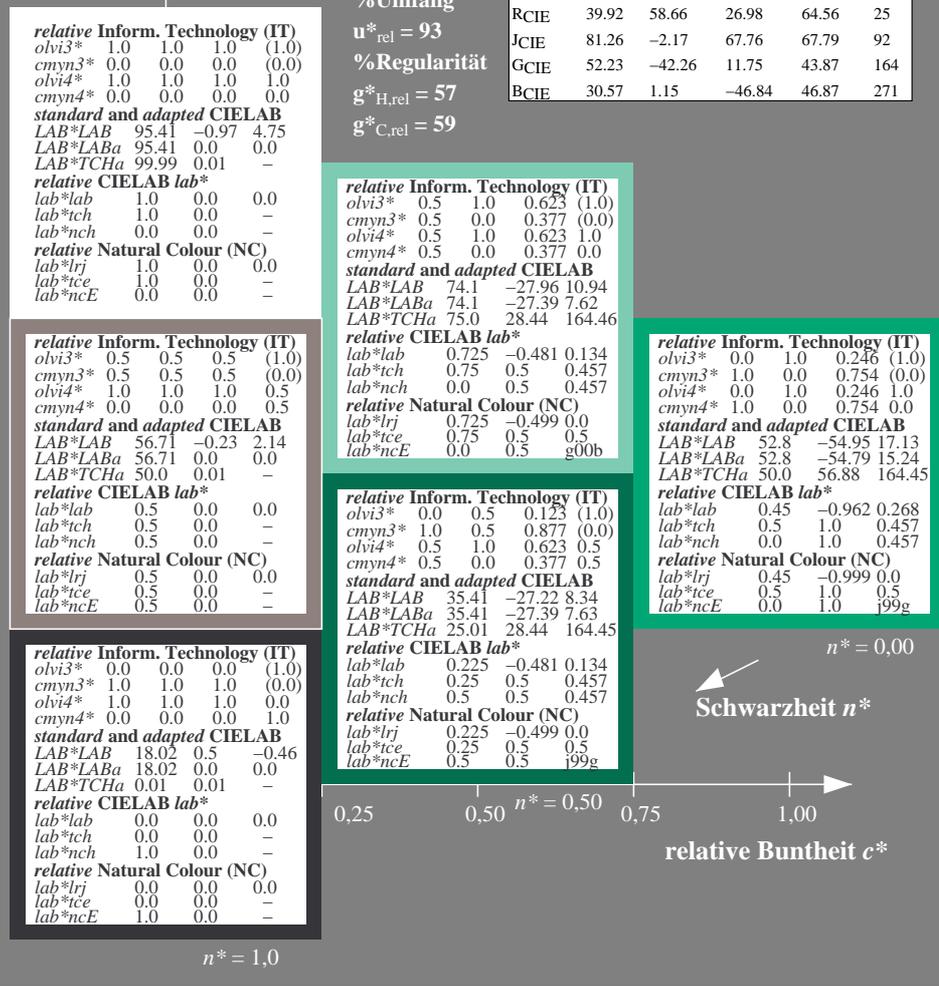
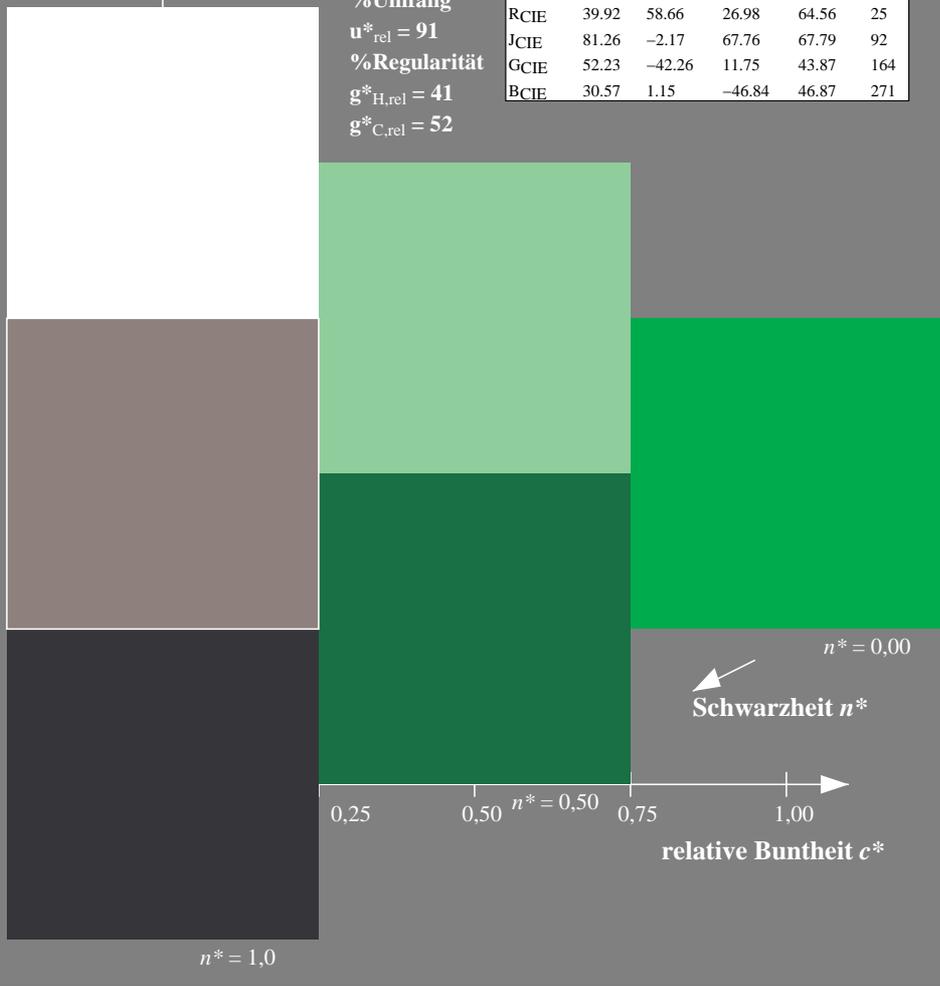
Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$



relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 1.0$
 $cmyn4^* 0.0 0.0 0.0 0.0$

standard and adapted CIELAB
 $LAB^*LAB 95.41 -0.97 4.75$
 $LAB^*LABa 95.41 0.0 0.0$
 $LAB^*TCHa 99.99 0.01 -$

relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 -$

relative Natural Colour (NC)
 $lab^*lrj 1.0 0.0 0.0$
 $lab^*tce 1.0 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 1.0 0.623 (1.0)$
 $cmyn3^* 0.5 0.0 0.377 (0.0)$
 $olvi4^* 0.5 1.0 0.623 1.0$
 $cmyn4^* 0.5 0.0 0.377 0.0$

standard and adapted CIELAB
 $LAB^*LAB 74.1 -27.96 10.94$
 $LAB^*LABa 74.1 -27.39 7.62$
 $LAB^*TCHa 75.0 28.44 164.46$

relative CIELAB lab*
 $lab^*lab 0.725 -0.481 0.134$
 $lab^*tch 0.75 0.5 0.457$
 $lab^*nch 0.0 0.5 0.457$

relative Natural Colour (NC)
 $lab^*lrj 0.725 -0.499 0.0$
 $lab^*tce 0.75 0.5 0.5$
 $lab^*nce 0.0 0.5 g00b$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 0.5$
 $cmyn4^* 0.0 0.0 0.0 0.5$

standard and adapted CIELAB
 $LAB^*LAB 56.71 -0.23 2.14$
 $LAB^*LABa 56.71 0.0 0.0$
 $LAB^*TCHa 50.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.5 0.0 -$

relative Natural Colour (NC)
 $lab^*lrj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.5 0.123 (1.0)$
 $cmyn3^* 1.0 0.5 0.877 (0.0)$
 $olvi4^* 0.5 1.0 0.623 0.5$
 $cmyn4^* 0.5 0.0 0.377 0.5$

standard and adapted CIELAB
 $LAB^*LAB 35.41 -27.22 8.34$
 $LAB^*LABa 35.41 -27.39 7.63$
 $LAB^*TCHa 25.01 28.44 164.45$

relative CIELAB lab*
 $lab^*lab 0.225 -0.481 0.134$
 $lab^*tch 0.25 0.5 0.457$
 $lab^*nch 0.5 0.5 0.457$

relative Natural Colour (NC)
 $lab^*lrj 0.225 -0.499 0.0$
 $lab^*tce 0.25 0.5 0.5$
 $lab^*nce 0.5 0.5 j99g$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0 (1.0)$
 $cmyn3^* 1.0 1.0 1.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 0.0$
 $cmyn4^* 0.0 0.0 0.0 1.0$

standard and adapted CIELAB
 $LAB^*LAB 18.02 0.5 -0.46$
 $LAB^*LABa 18.02 0.0 0.0$
 $LAB^*TCHa 0.01 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 1.0 0.0 -$

relative Natural Colour (NC)
 $lab^*lrj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 1.0 0.246 (1.0)$
 $cmyn3^* 1.0 0.0 0.754 (0.0)$
 $olvi4^* 0.0 1.0 0.246 1.0$
 $cmyn4^* 1.0 0.0 0.754 0.0$

standard and adapted CIELAB
 $LAB^*LAB 52.8 -54.95 17.13$
 $LAB^*LABa 52.8 -54.79 15.24$
 $LAB^*TCHa 50.0 56.88 164.45$

relative CIELAB lab*
 $lab^*lab 0.45 -0.962 0.268$
 $lab^*tch 0.5 1.0 0.457$
 $lab^*nch 0.0 1.0 0.457$

relative Natural Colour (NC)
 $lab^*lrj 0.45 -0.999 0.0$
 $lab^*tce 0.5 1.0 0.5$
 $lab^*nce 0.0 1.0 j99g$

UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

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

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18
 D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
 input: $cmly0^* setcmykcolor$
 output: $no\ change\ compared\ to\ input$

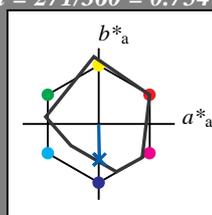
BAM-Registrierung: 20060101-UG05/10Q/Q05G08NP.PS/.PDF
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
 /UG05/ Form: 9/10, Serie: 1/1, Seite: 9
 Seitenlung 9
 Code=rh4ta

Eingabe: Farbmétrisches Reflexions-System MRS18

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

D65: Buntton B
 LCH*Ma: 40 50 271
 olv*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

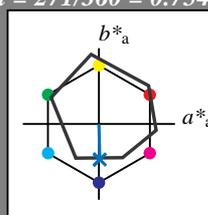
%Umfang
 $u^*_{rel} = 91$
 %Regularität
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Umfang
 $u^*_{rel} = 93$
 %Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 95.41 \ -0.97 \ 4.75$
 $LAB^*LABa = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCHa = 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*tch = 1.0 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ -0.23 \ 2.14$
 $LAB^*LABa = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCHa = 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ -$
 $lab^*nch = 0.5 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 1.0$

standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.5 \ -0.46$
 $LAB^*LABa = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCHa = 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*tch = 0.0 \ 0.0 \ -$
 $lab^*nch = 1.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*lrj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.744 \ 1.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.256 \ 0.0 \ (0.0)$
 $olvi4^* = 0.5 \ 0.744 \ 1.0 \ 1.0$
 $cmyn4^* = 0.5 \ 0.256 \ 0.0 \ 0.0$

standard and adapted CIELAB
 $LAB^*LAB = 68.59 \ 0.08 \ -19.4$
 $LAB^*LABa = 68.59 \ 0.54 \ -22.35$
 $LAB^*TCHa = 75.0 \ 22.36 \ 271.4$

relative CIELAB lab*
 $lab^*lab = 0.654 \ 0.012 \ -0.499$
 $lab^*tch = 0.75 \ 0.5 \ 0.754$
 $lab^*nch = 0.0 \ 0.5 \ 0.754$

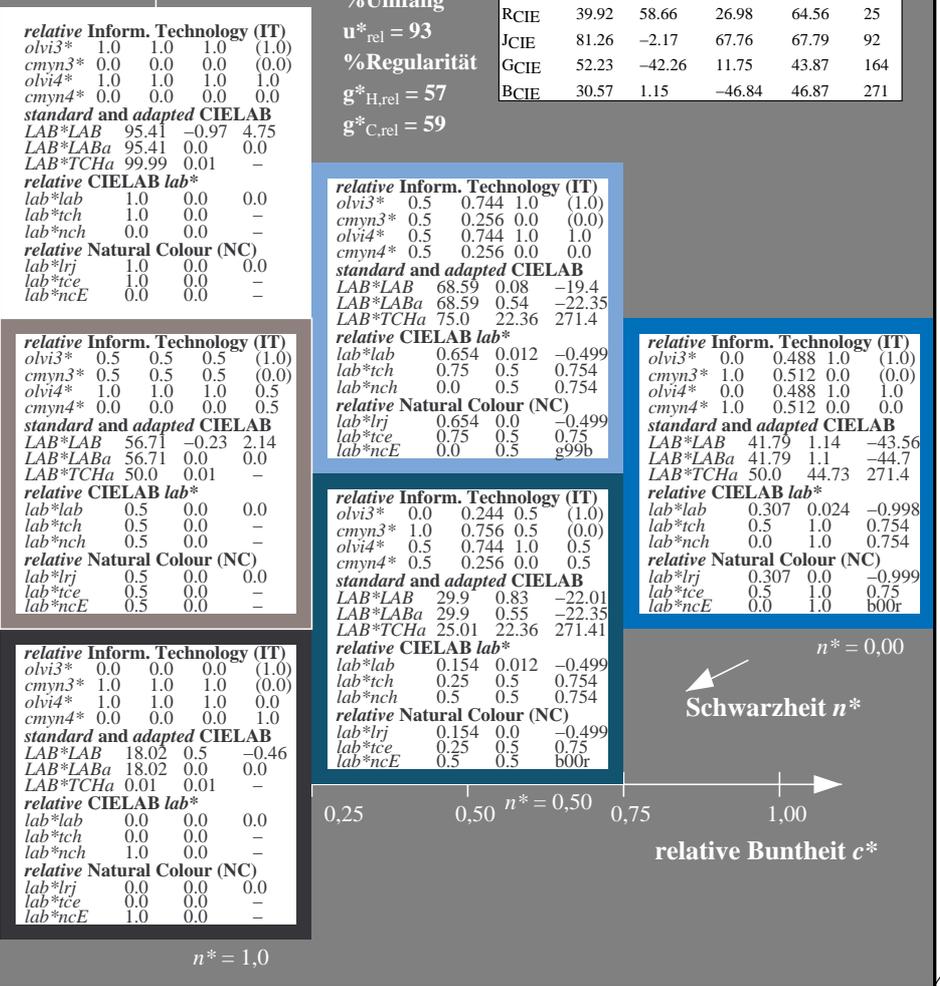
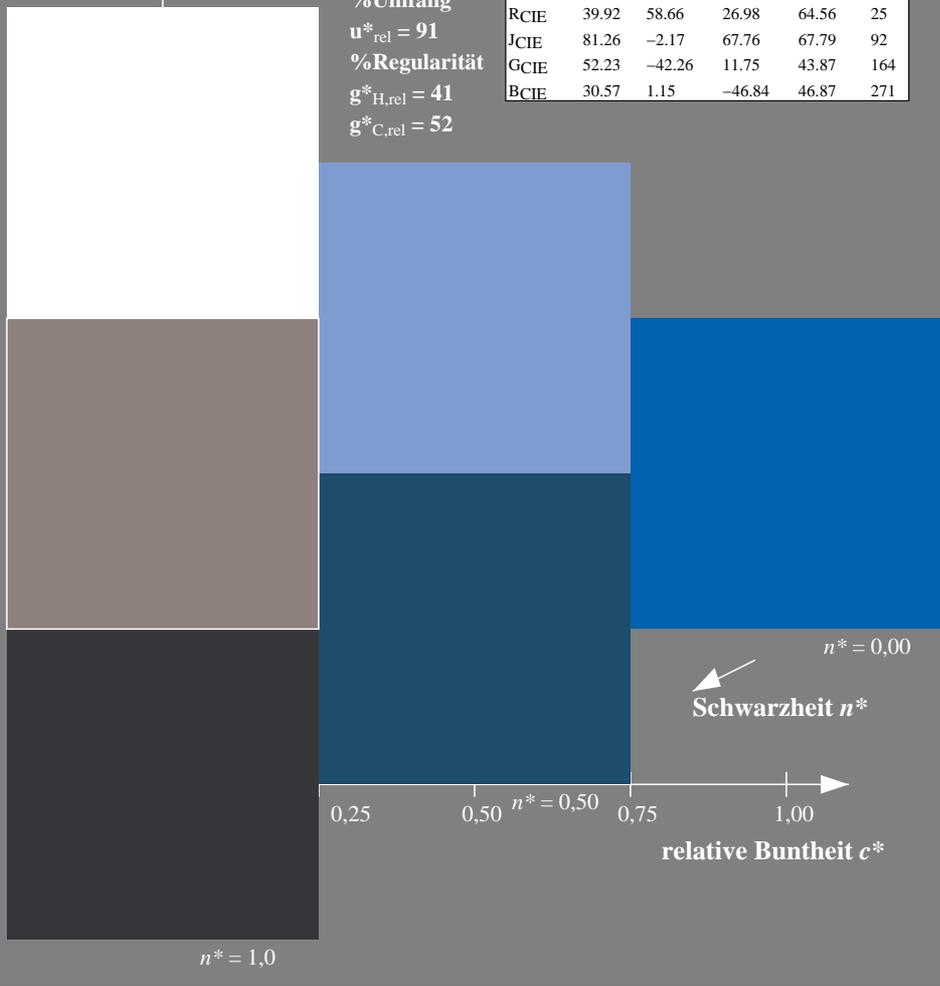
relative Natural Colour (NC)
 $lab^*lrj = 0.654 \ 0.0 \ -0.499$
 $lab^*tce = 0.75 \ 0.5 \ 0.75$
 $lab^*nce = 0.0 \ 0.5 \ g99b$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.244 \ 0.5 \ (1.0)$
 $cmyn3^* = 1.0 \ 0.756 \ 0.5 \ (0.0)$
 $olvi4^* = 0.5 \ 0.744 \ 1.0 \ 0.5$
 $cmyn4^* = 0.5 \ 0.256 \ 0.0 \ 0.5$

standard and adapted CIELAB
 $LAB^*LAB = 29.9 \ 0.83 \ -22.01$
 $LAB^*LABa = 29.9 \ 0.55 \ -22.35$
 $LAB^*TCHa = 25.01 \ 22.36 \ 271.41$

relative CIELAB lab*
 $lab^*lab = 0.154 \ 0.012 \ -0.499$
 $lab^*tch = 0.25 \ 0.5 \ 0.754$
 $lab^*nch = 0.5 \ 0.5 \ 0.754$

relative Natural Colour (NC)
 $lab^*lrj = 0.154 \ 0.0 \ -0.499$
 $lab^*tce = 0.25 \ 0.5 \ 0.75$
 $lab^*nce = 0.5 \ 0.5 \ b00r$



UG050-7, 3 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)

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

BAM-Prüfvorlage UG05; Farbmétrik-Systeme MRS18 & ORS18
 D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
 input: $cmY0^* \ setcmykcolor$
 output: $no \ change \ compared \ to \ input$