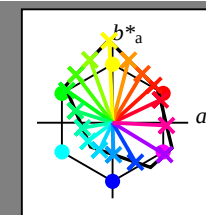


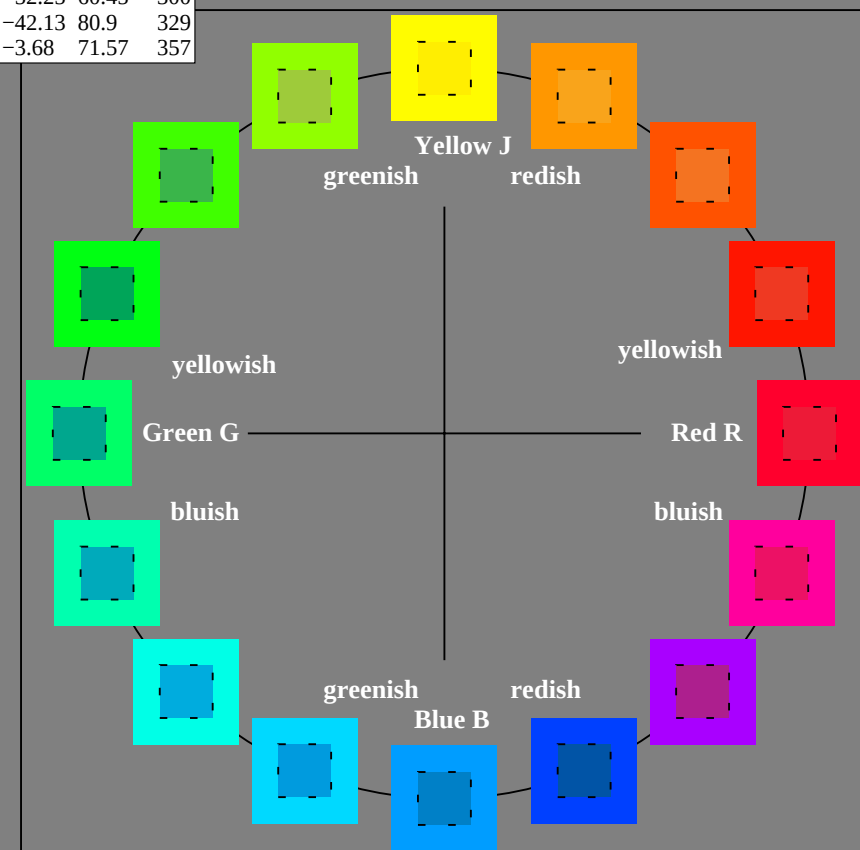
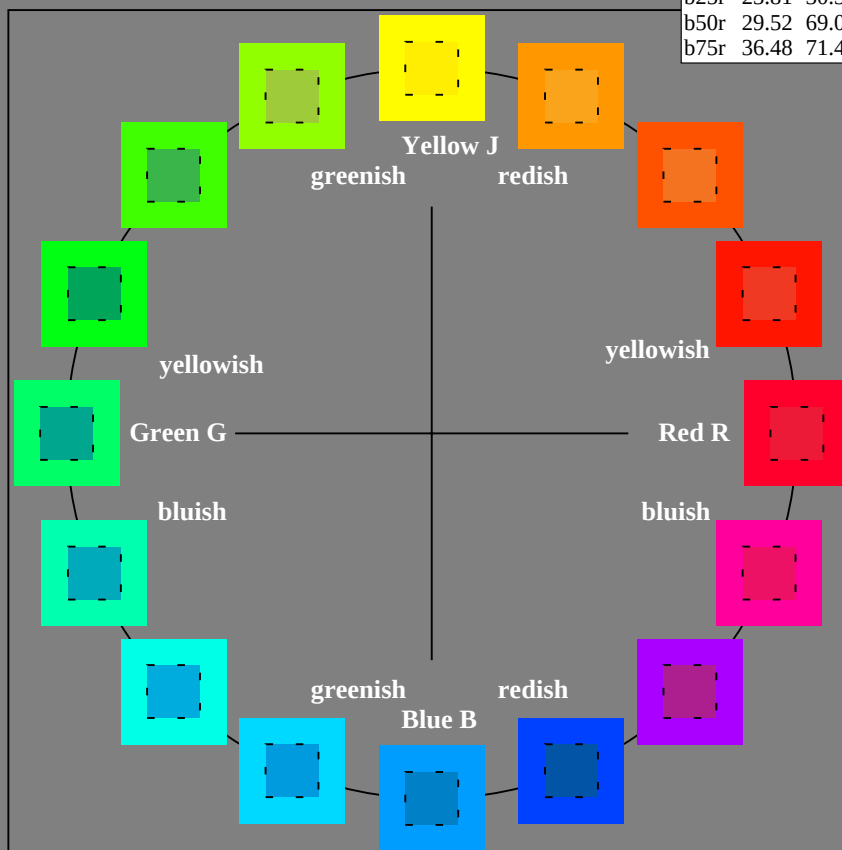
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



%Gamut
 $u^{*}_{rel} = 109$
%Regularity
 $g^{*}_{H,rel} = 31$
 $g^{*}_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

lab^*tch^* and lab^*icu^*

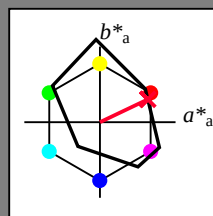
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

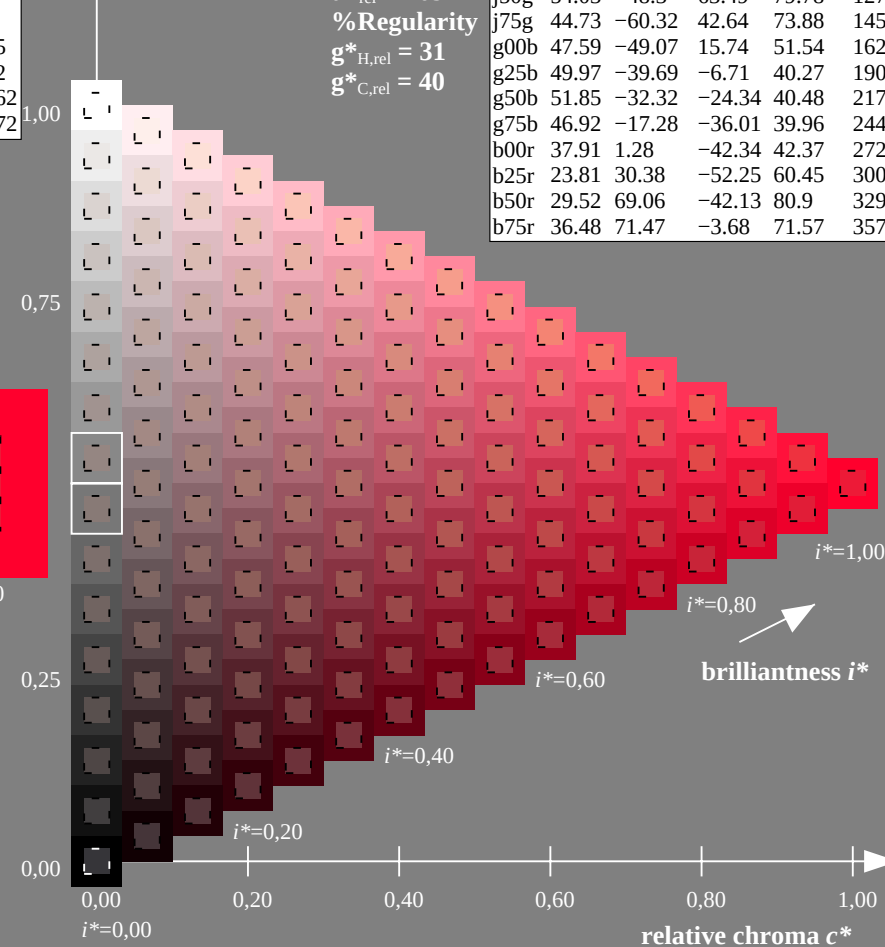
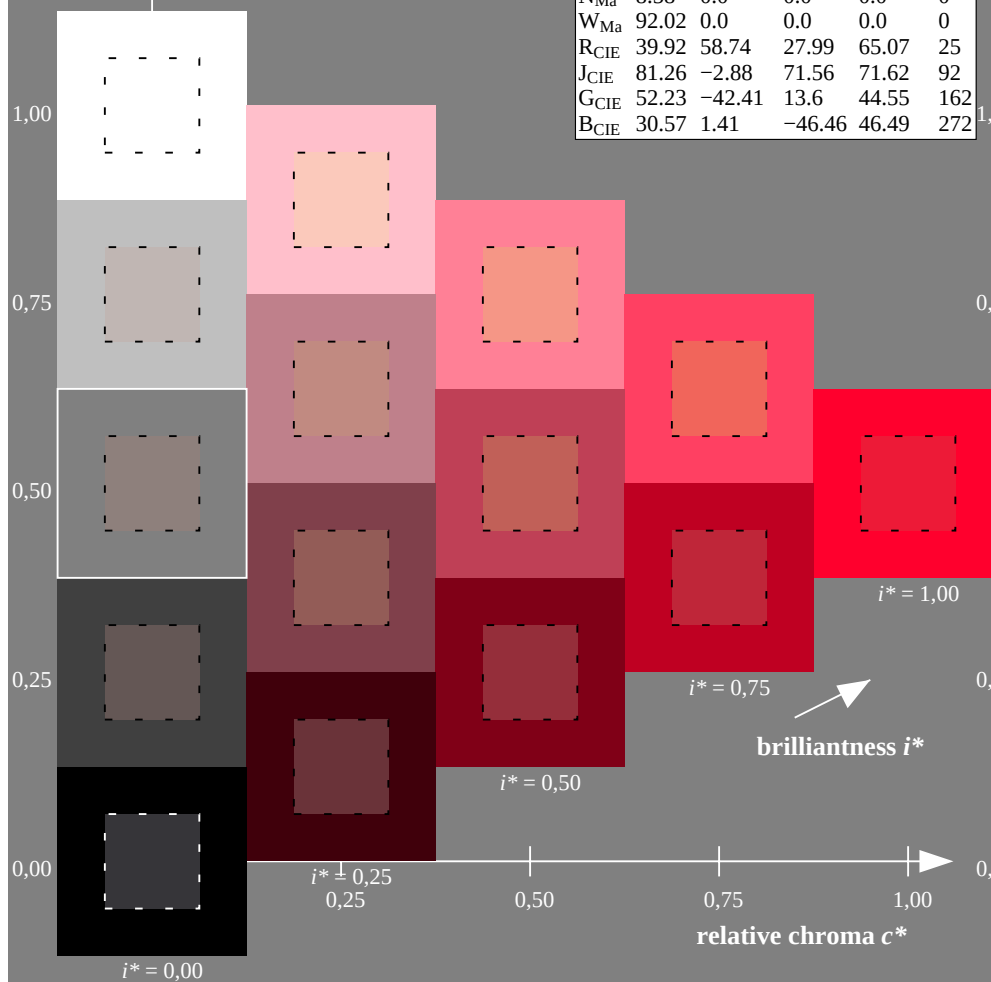
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

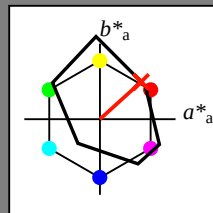
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$
data for any colour:

lab^*tch^* and lab^*icu^*
elementary hue text:
 $u^* = r25j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

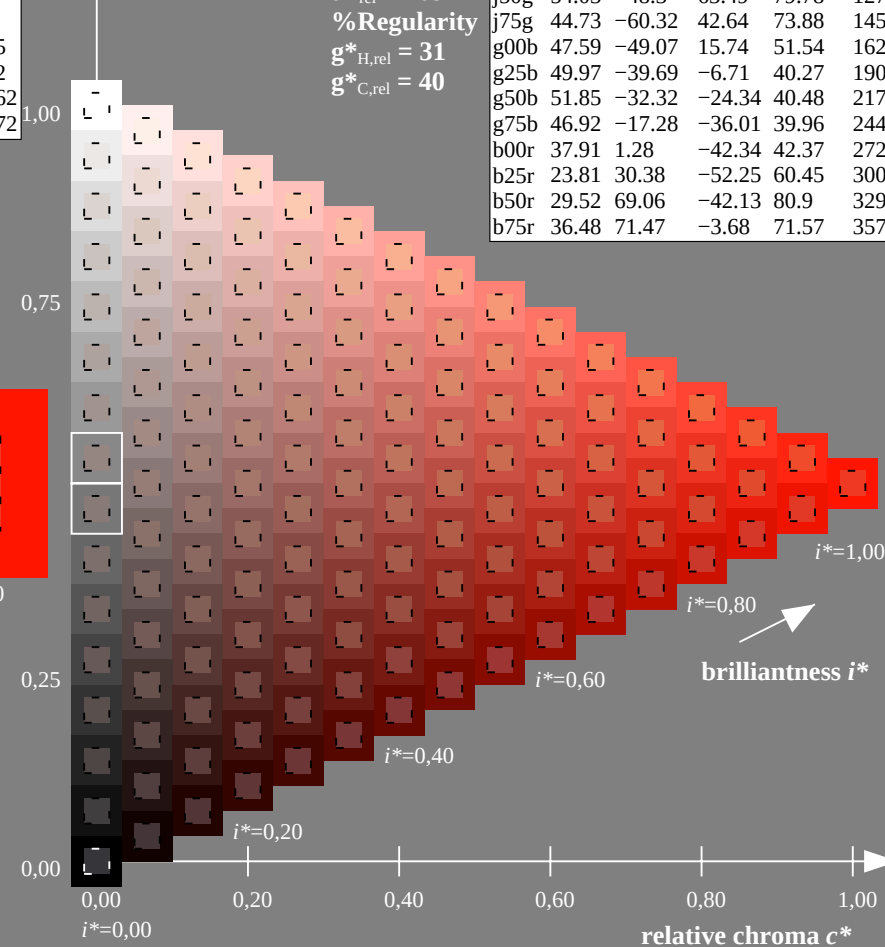
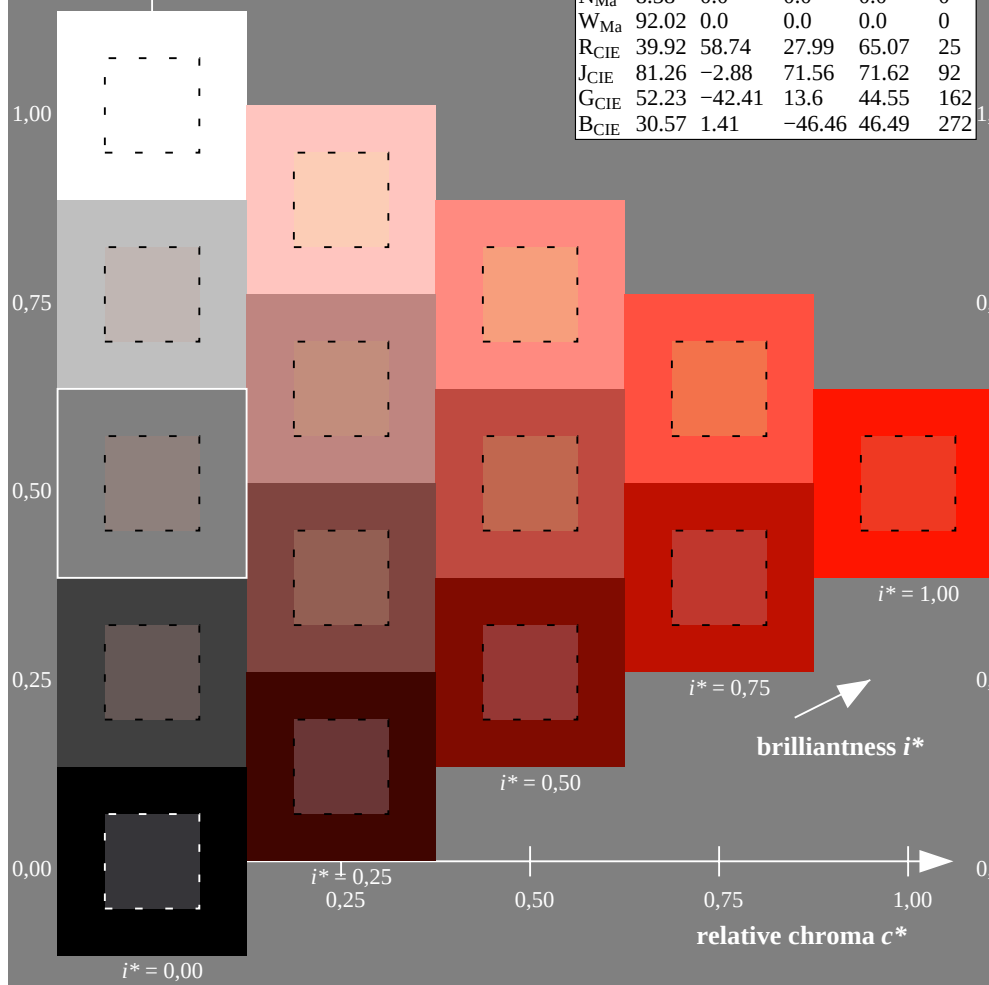
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49
 $LAB^*LCH^*_{Ma}$: 39 74 42
 $lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.08 0.0

triangle lightness t^*

%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

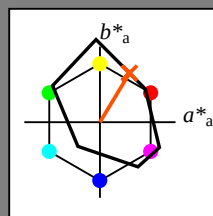
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 59

$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0

$lab^*olv^*_{Ma}$: 1.0 0.32 0.0

triangle lightness t^*

%Gamut

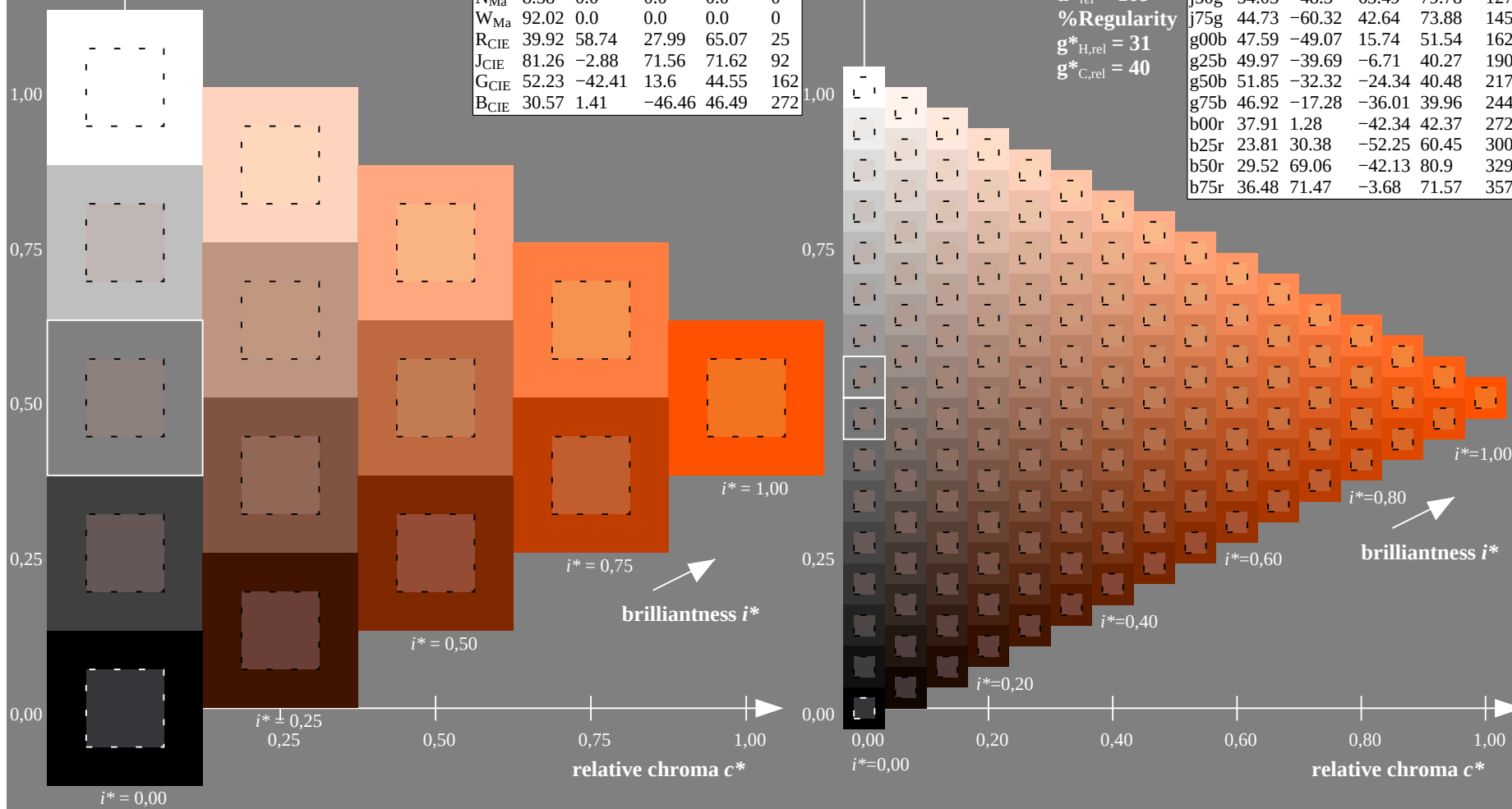
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

lab^*tch^* and lab^*icu^*

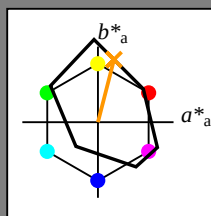
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 76

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.59 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

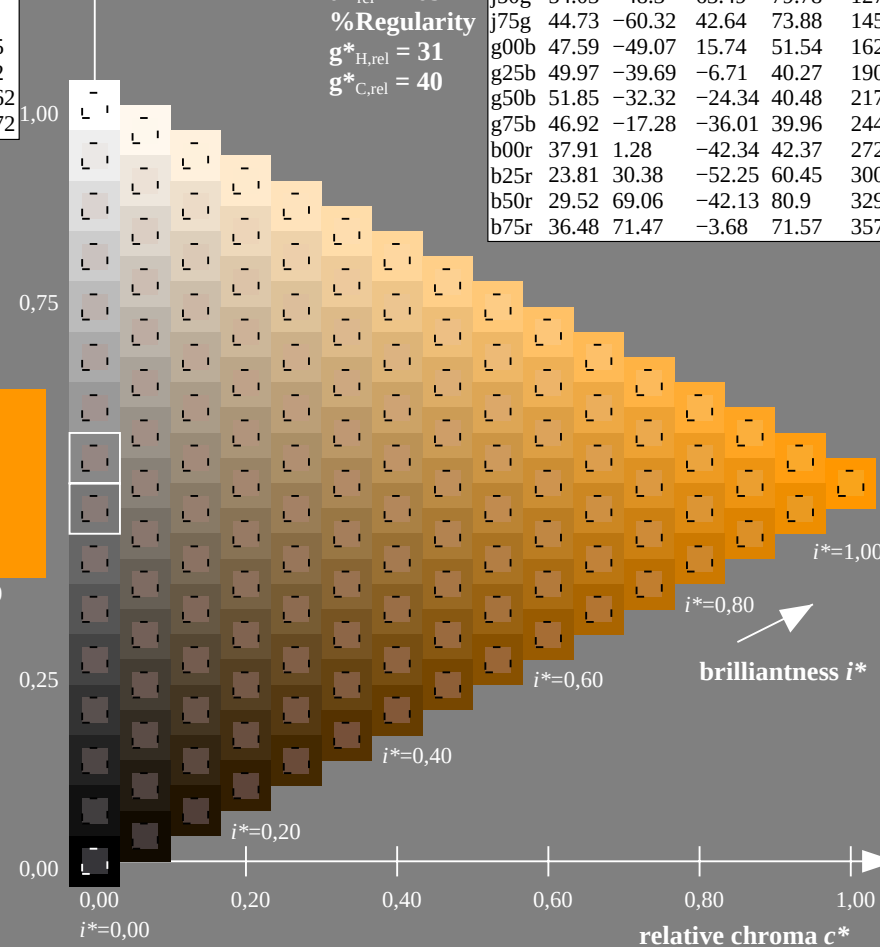
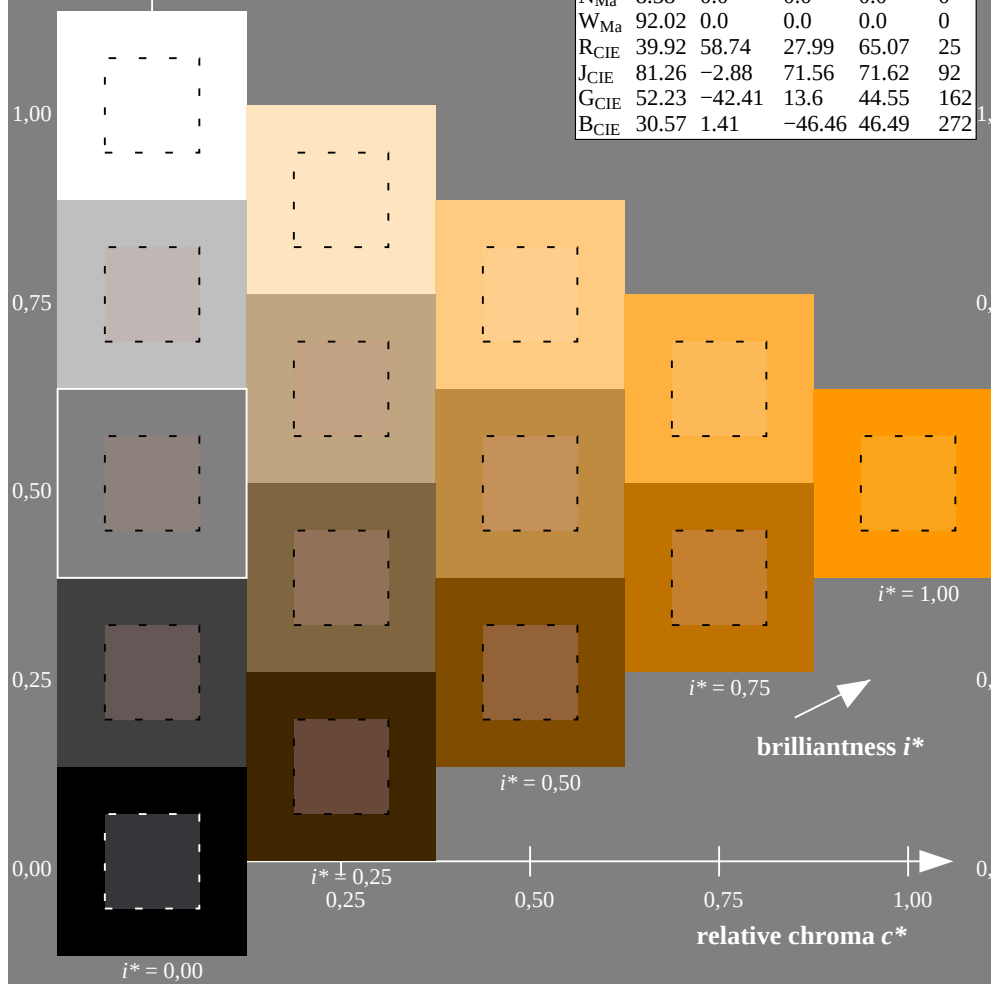
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

lab^*tch^* and lab^*icu^*

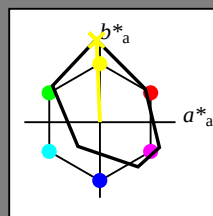
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -3 109

$LAB^*LCH^*_{Ma}$: 83 109 92

$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

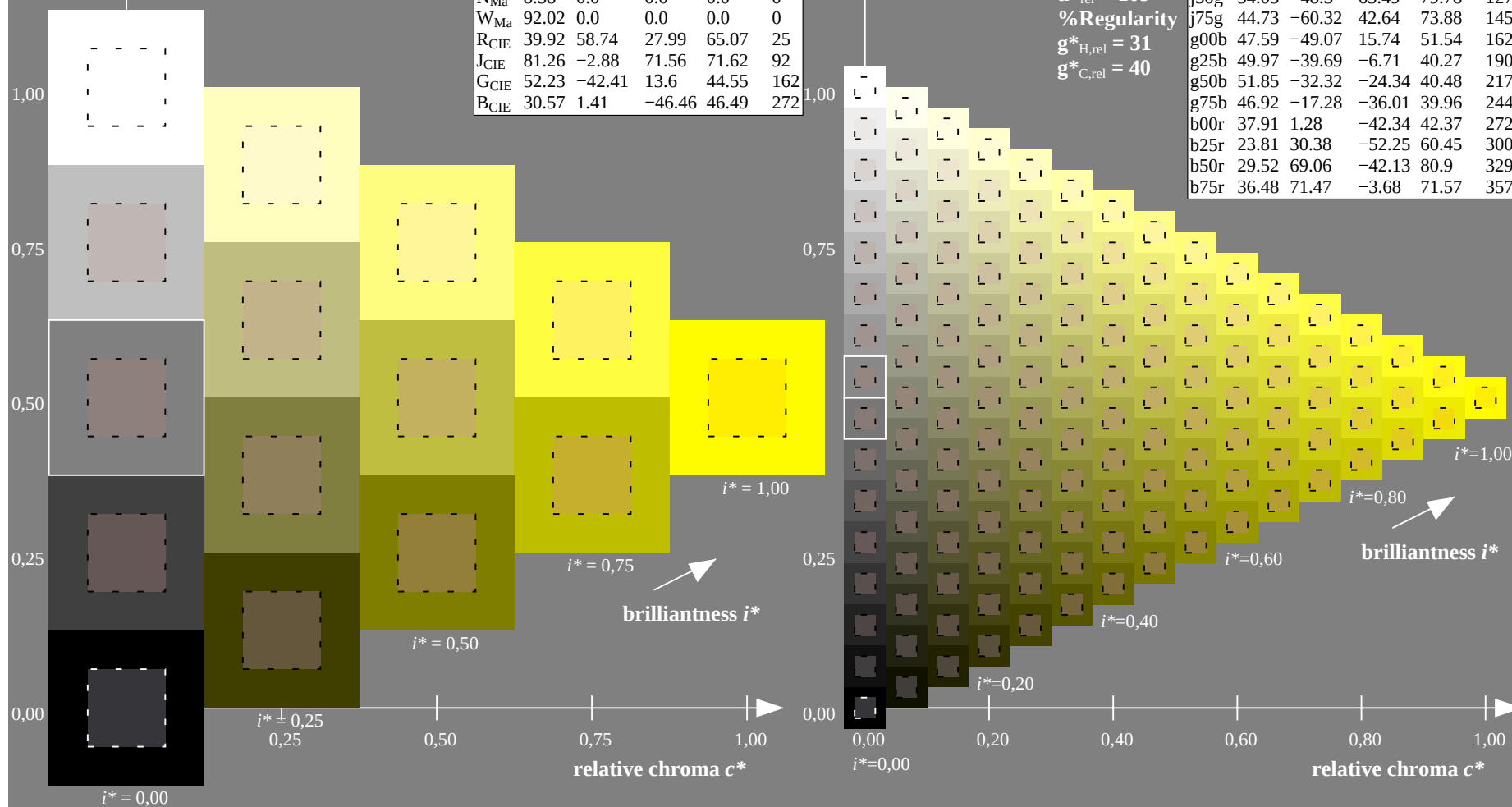
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

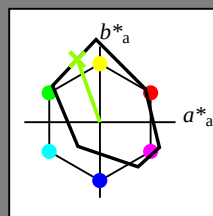
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -29 83

$LAB^*LCH^*_{Ma}$: 67 88 110

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

$lab^*olv^*_{Ma}$: 0.57 1.0 0.0

triangle lightness t^*

%Gamut

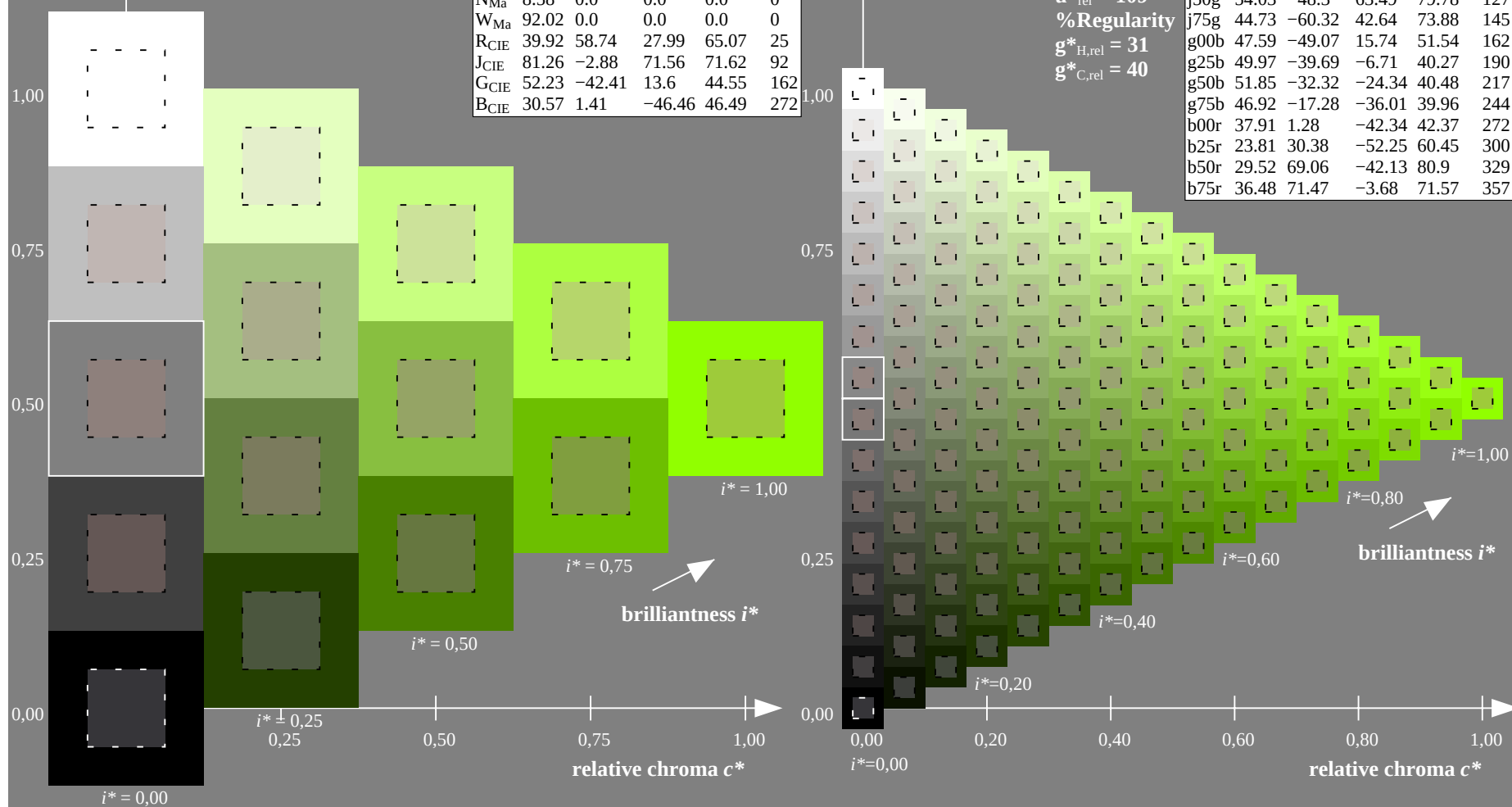
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

lab^*tch^* and lab^*icu^*

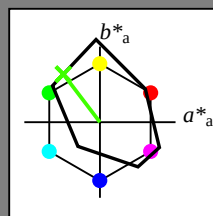
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -47 63

$LAB^*LCH^*_{Ma}$: 54 80 127

$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0

$lab^*olv^*_{Ma}$: 0.25 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

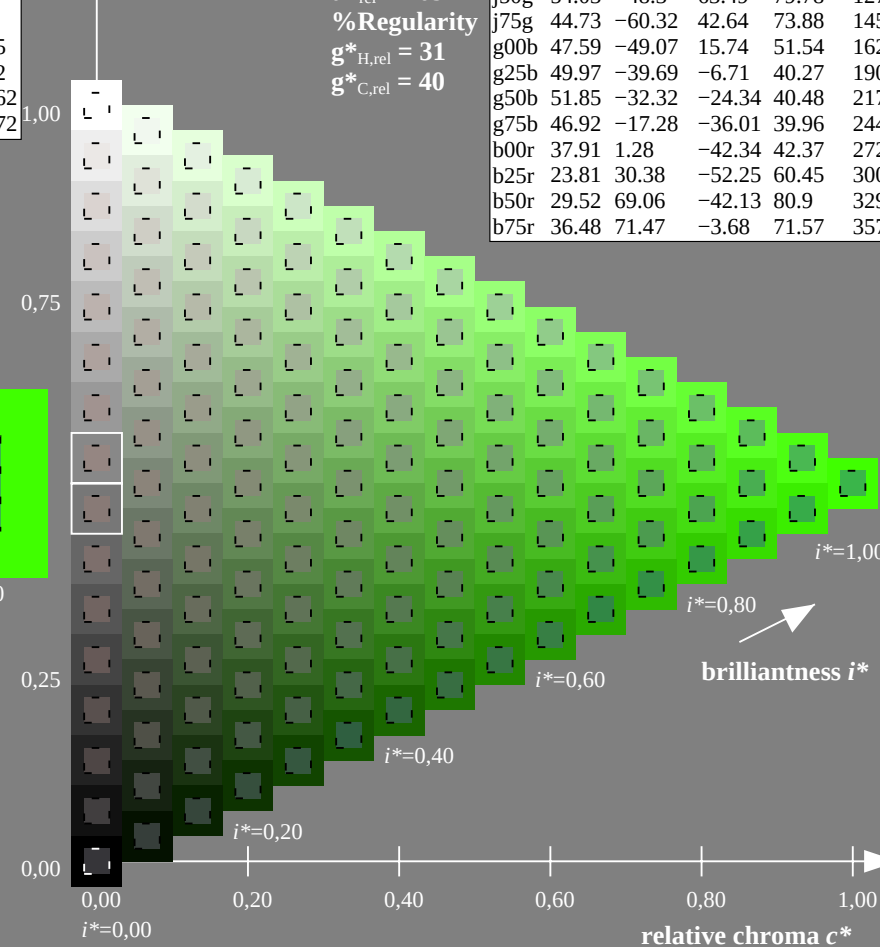
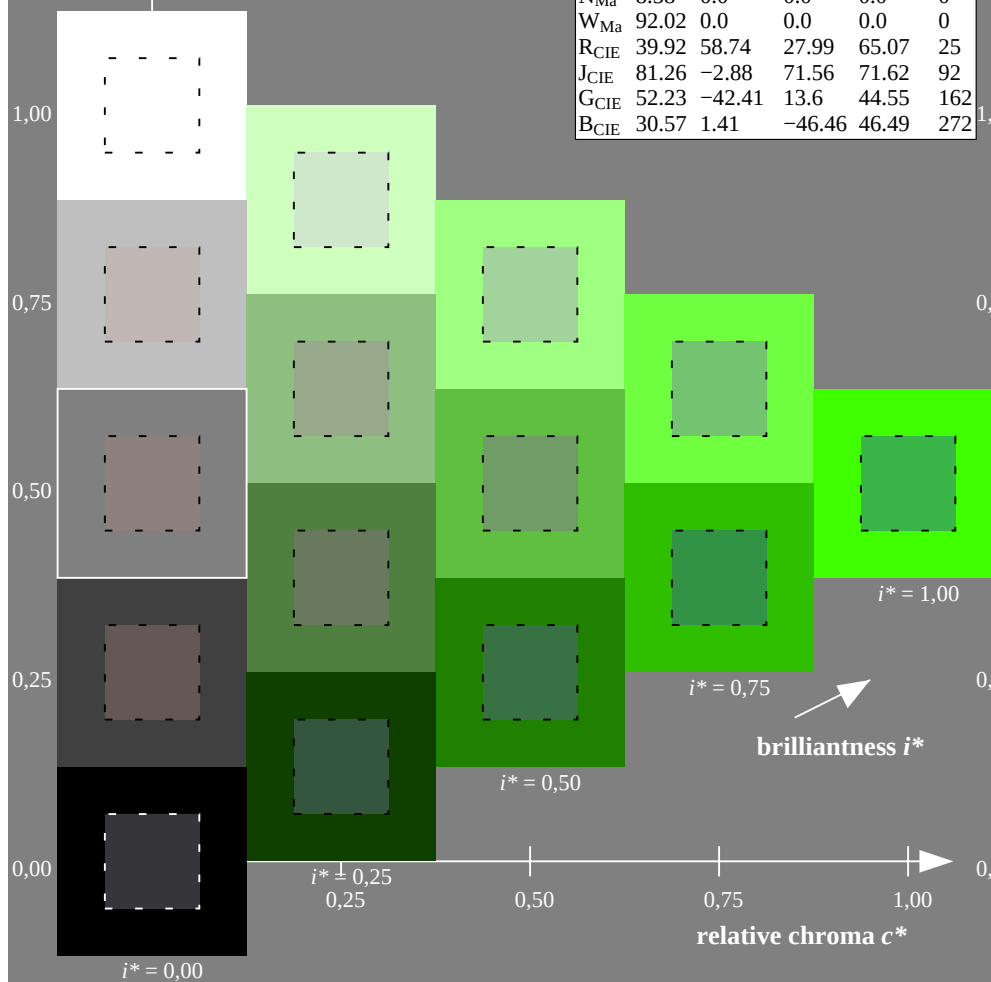
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

lab^*tch^* and lab^*icu^*

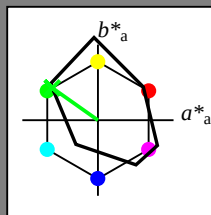
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -59 43

$LAB^*LCH^*_{Ma}$: 45 74 145

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.07

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

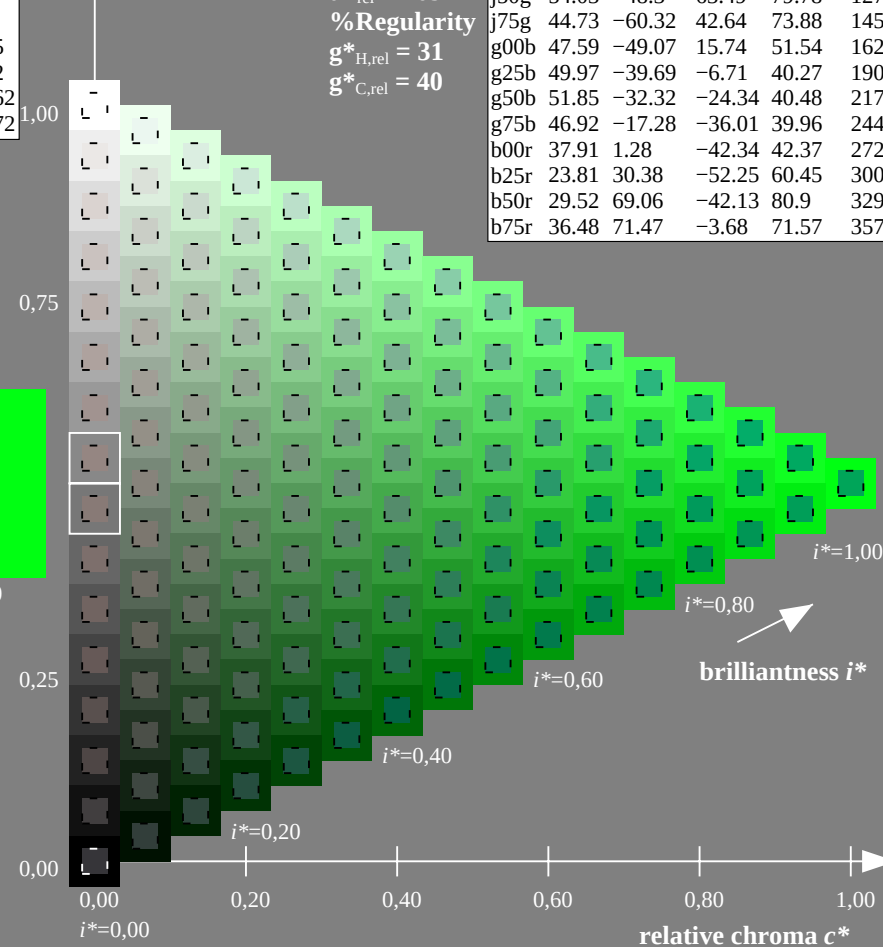
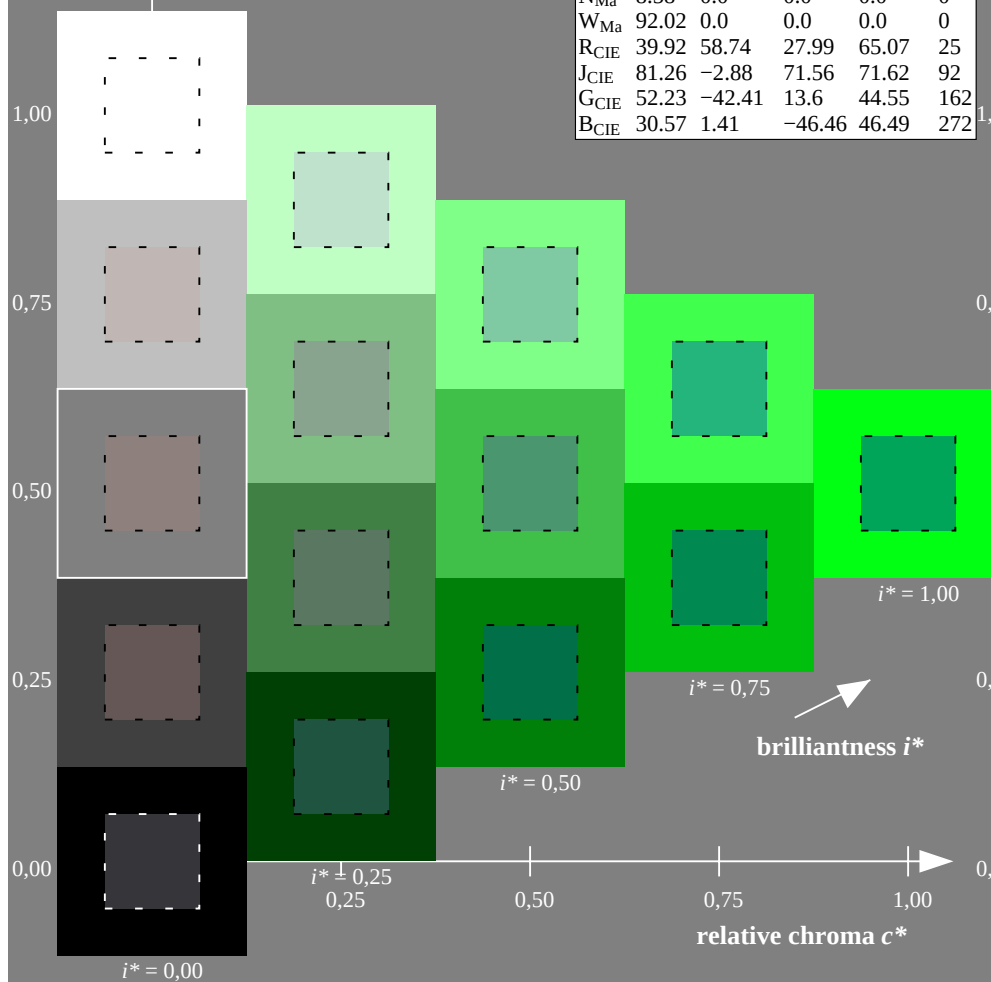
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

lab^*tch^* and lab^*icu^*

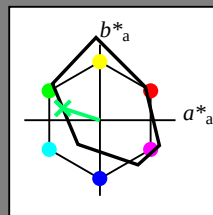
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -48 16

$LAB^*LCH^*_{Ma}$: 48 52 162

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.41

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

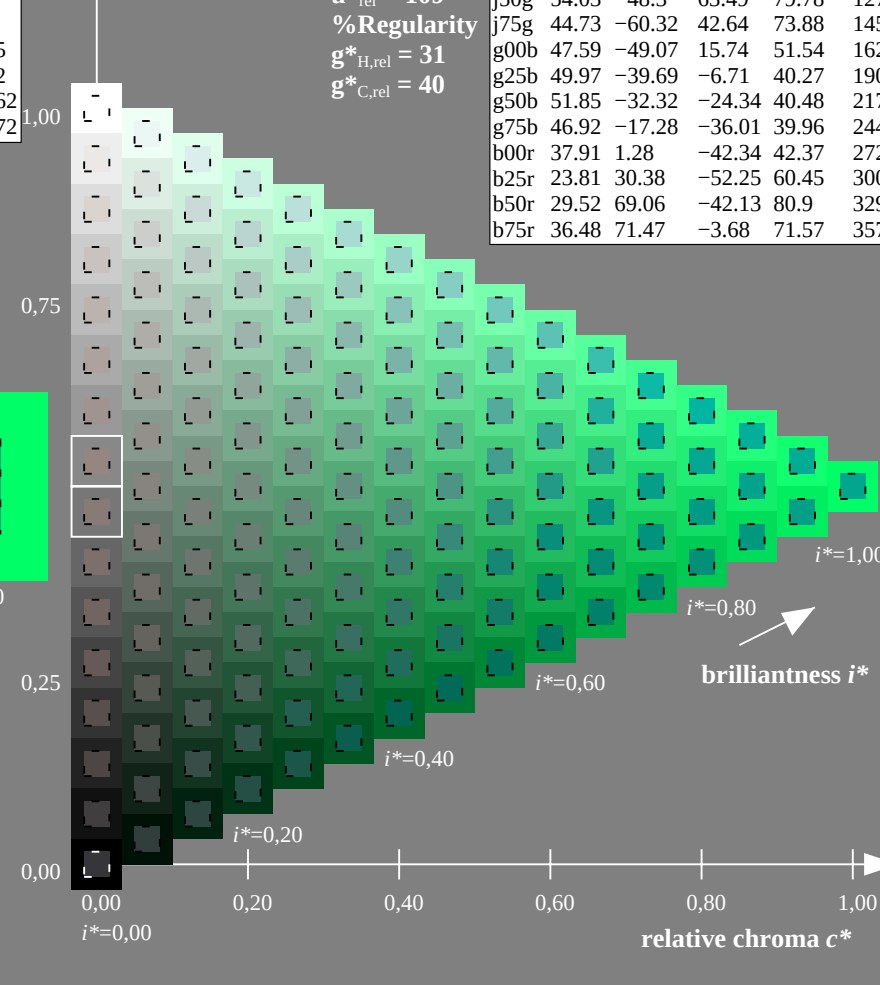
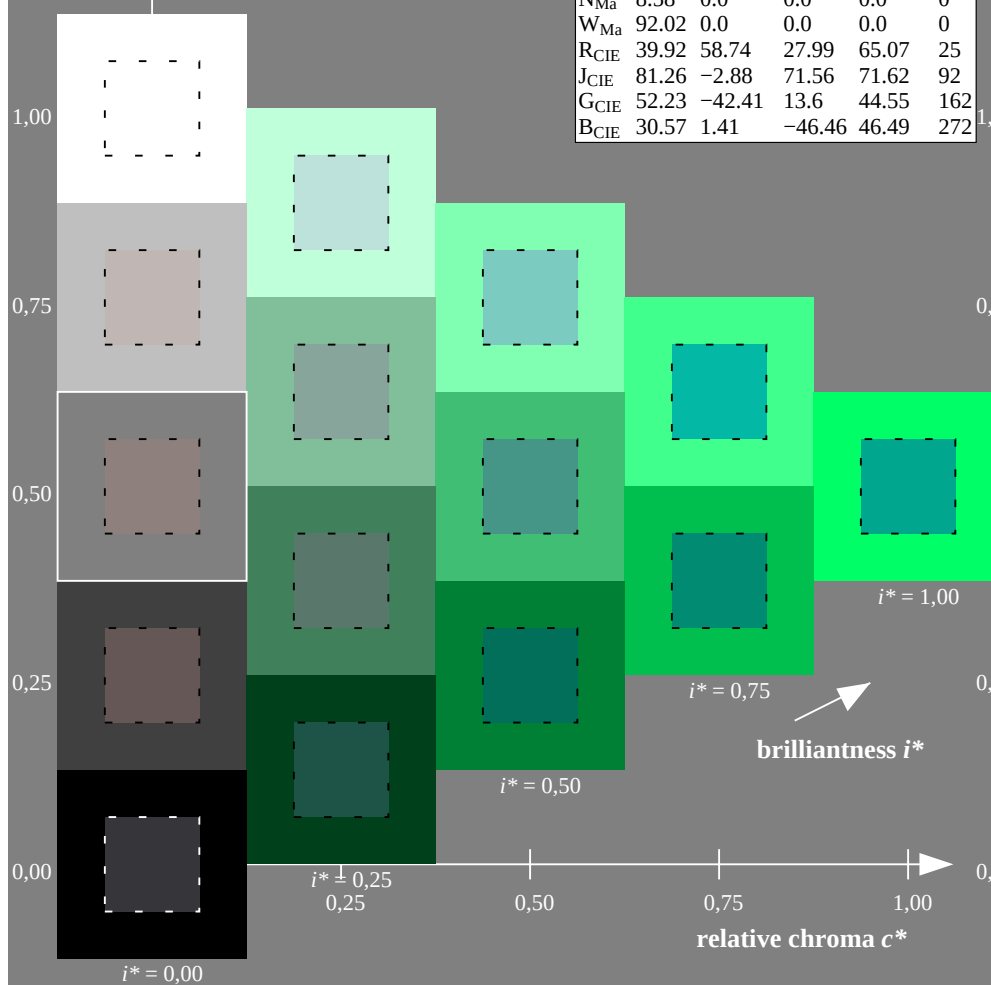
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

lab^*tch^* and lab^*icu^*

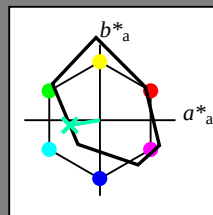
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -39 -6

$LAB^*LCH^*_{Ma}$: 50 40 190

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5

$lab^*olv^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

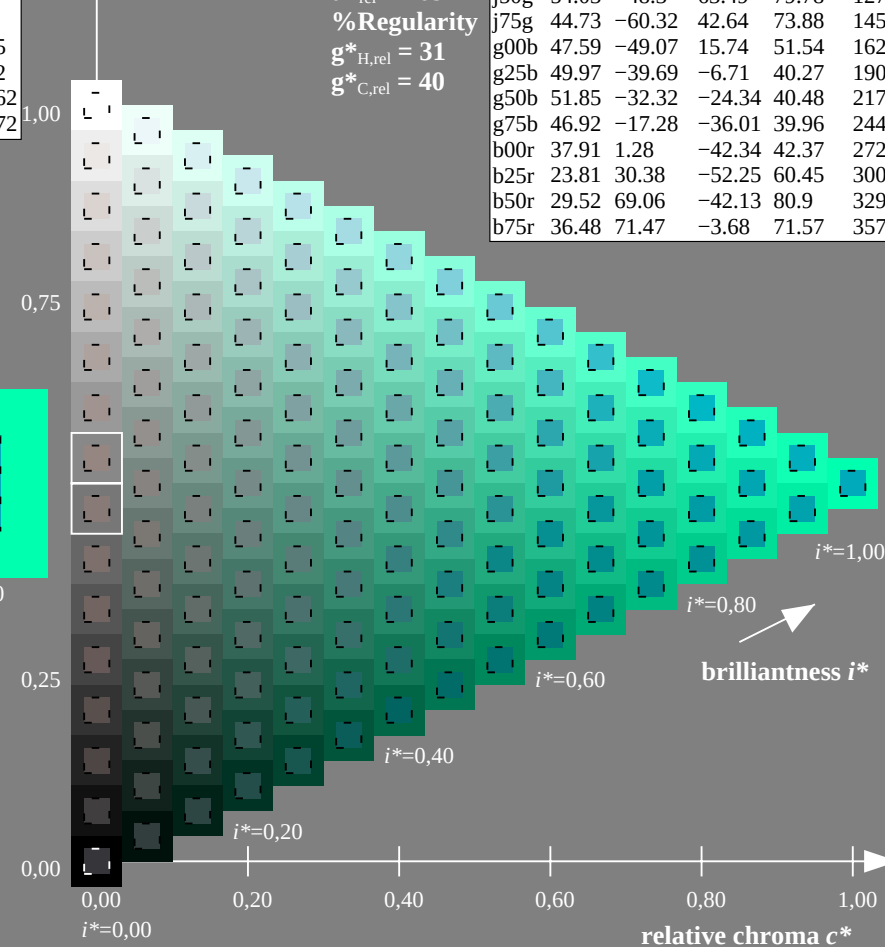
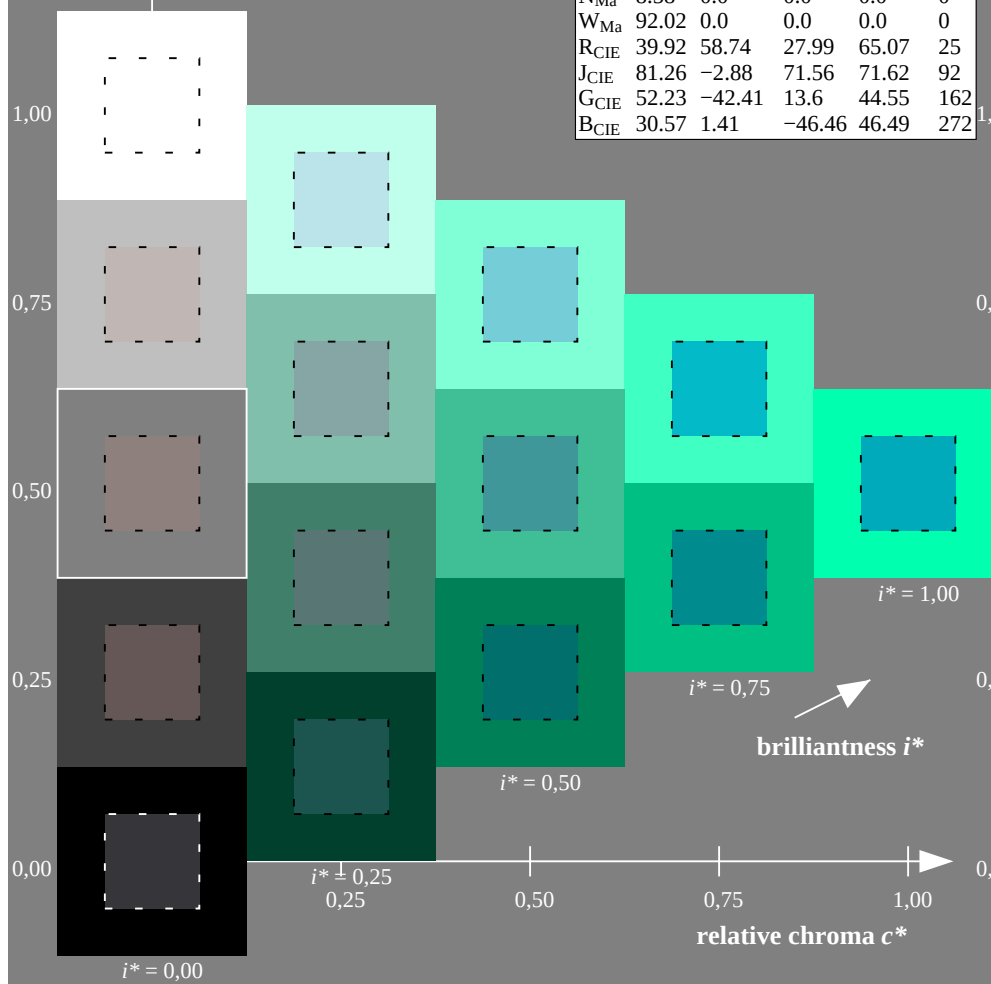
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

lab^*tch^* and lab^*icu^*

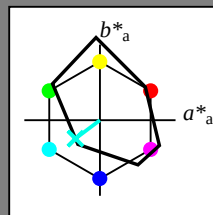
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -31 -23

$LAB^*LCH^*_{Ma}$: 52 40 217

$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.9

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

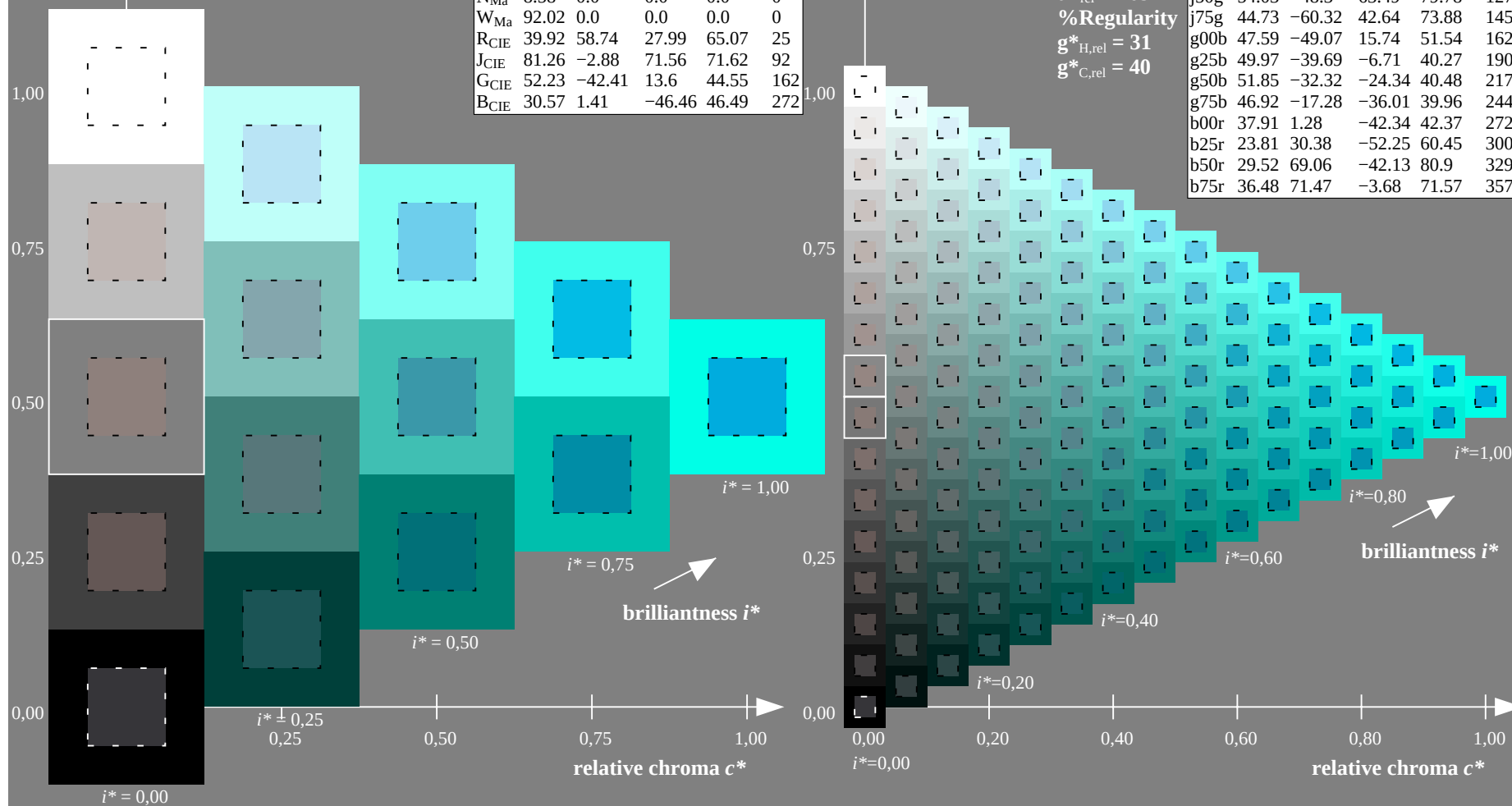
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

lab^*tch^* and lab^*icu^*

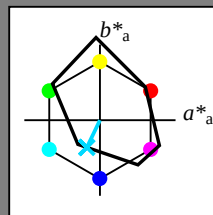
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -16 -35

$LAB^*LCH^*_{Ma}$: 47 40 244

$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0

$lab^*olv^*_{Ma}$: 0.0 0.85 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

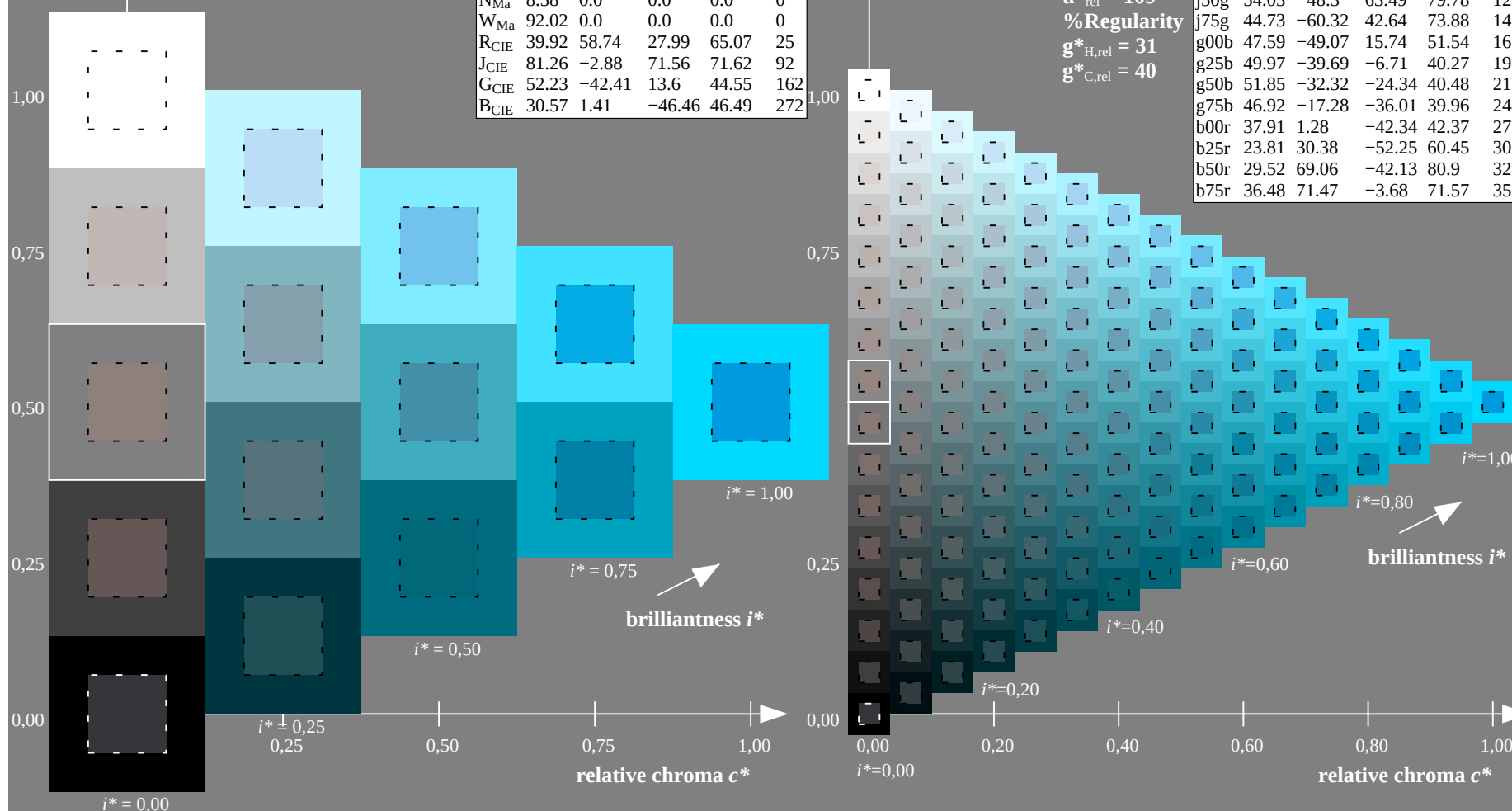
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

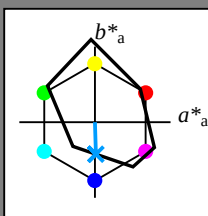
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -41

$LAB^*LCH^*_{Ma}$: 38 42 272

$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

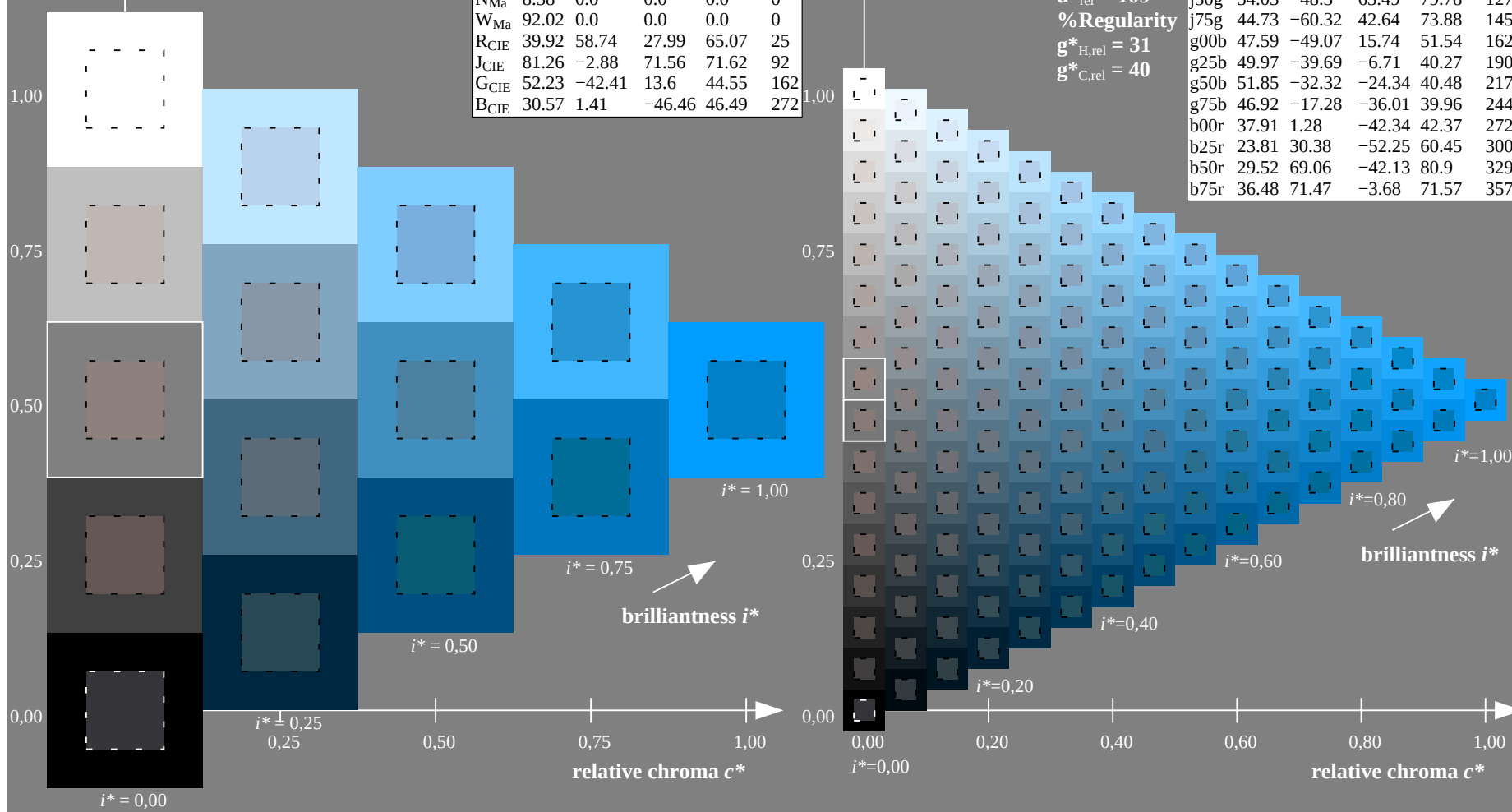
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

lab^*tch^* and lab^*icu^*

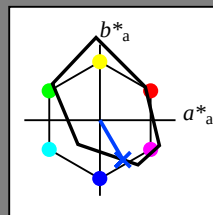
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -51

$LAB^*LCH^*_{Ma}$: 24 60 300

$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.25 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

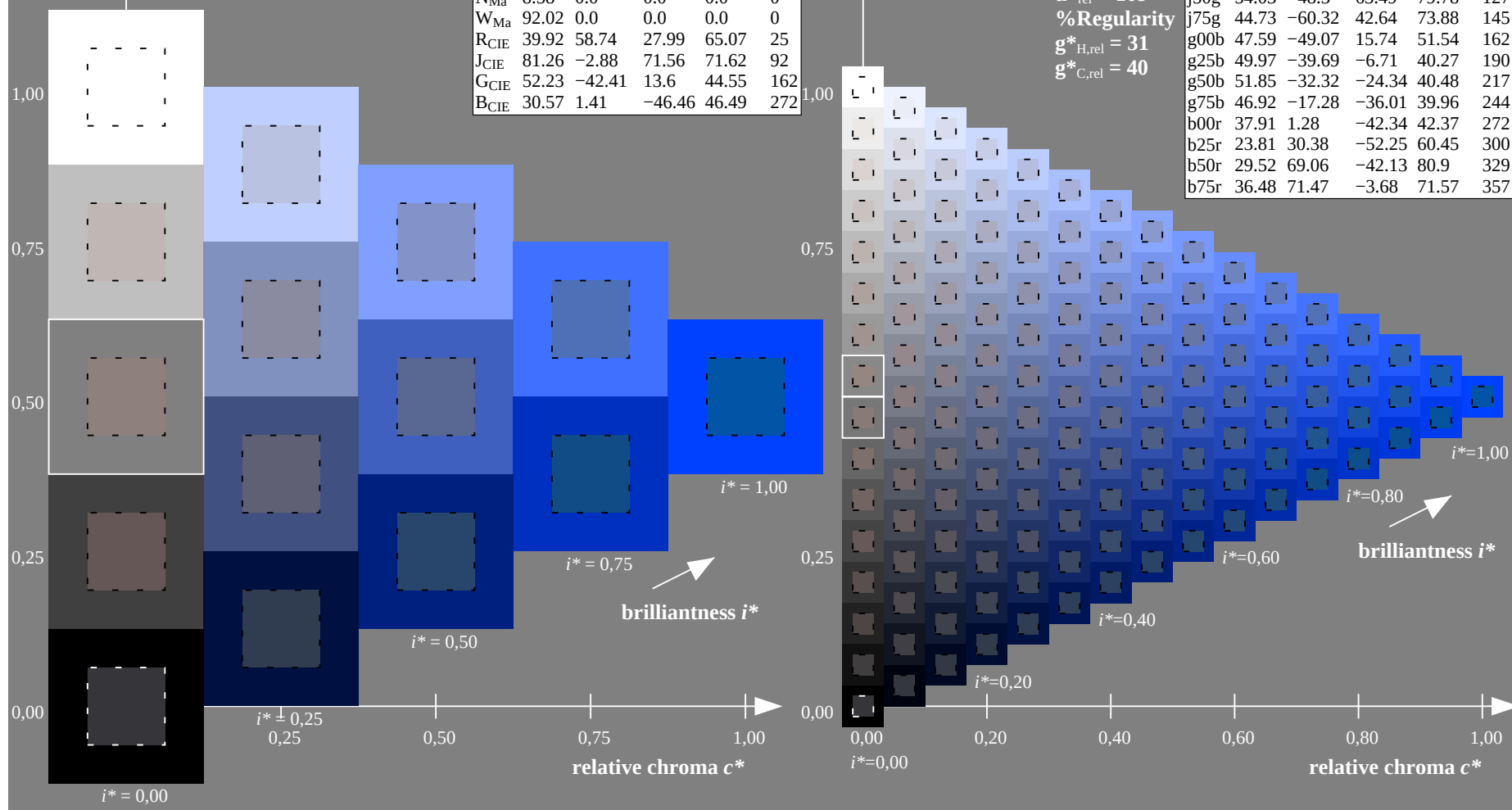
%Regularity

$g^*_{H,rel} = 31$

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

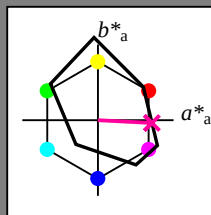
FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ data for any colour: Data for maximum colour (Ma):

lab^*tch^* and lab^*icu^*
 elementary hue text:
 $u^* = b75r$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.16	109.32	109.44	93	
L _{Ma}	44.13	-62.66	48.24	79.09	142	
C _{Ma}	52.66	-29.13	-31.98	43.27	228	
V _{Ma}	14.15	50.3	-59.03	77.57	310	
M _{Ma}	37.37	78.64	-33.49	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{CIE}	39.92	58.74	27.99	65.07	25	
J _{CIE}	81.26	-2.88	71.56	71.62	92	
G _{CIE}	52.23	-42.41	13.6	44.55	162	
B _{CIE}	30.57	1.41	-46.46	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 36 71 -3

LAB*LCH*Ma: 36 72 357

lab*rqb*_Ma: 1.0 0.0 0.5

lab*olv*Ma: 1.0 0.0 0.62

triangle lightness t^* triangle lightness t^*

A

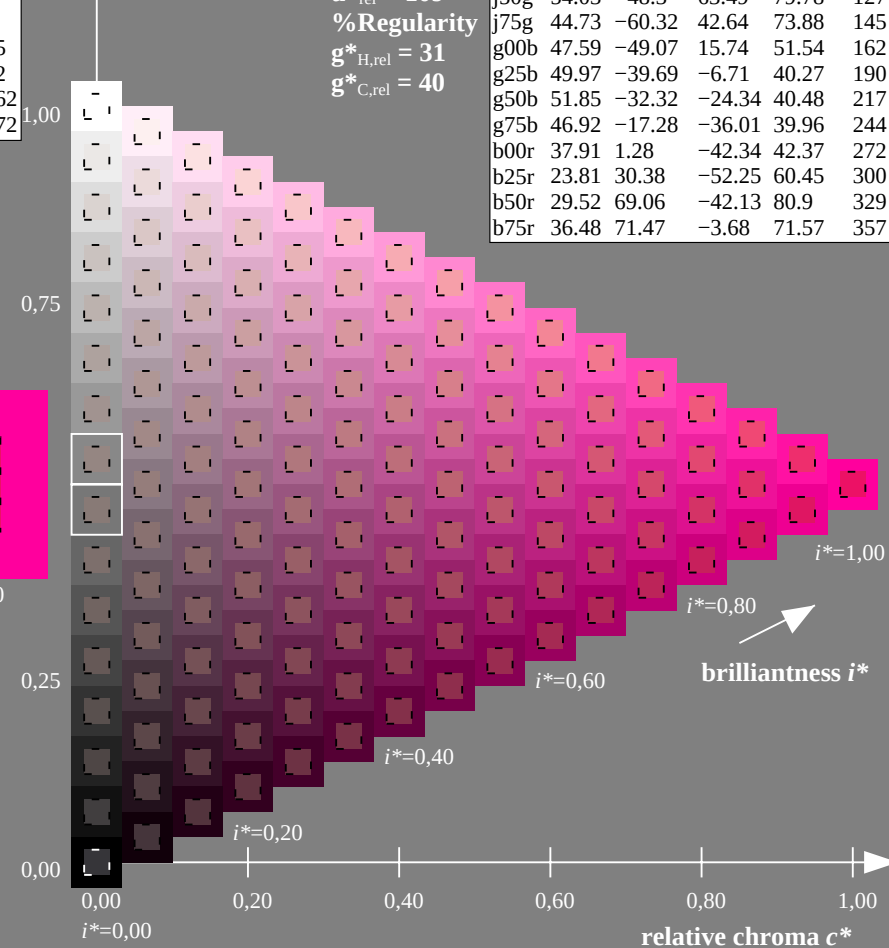
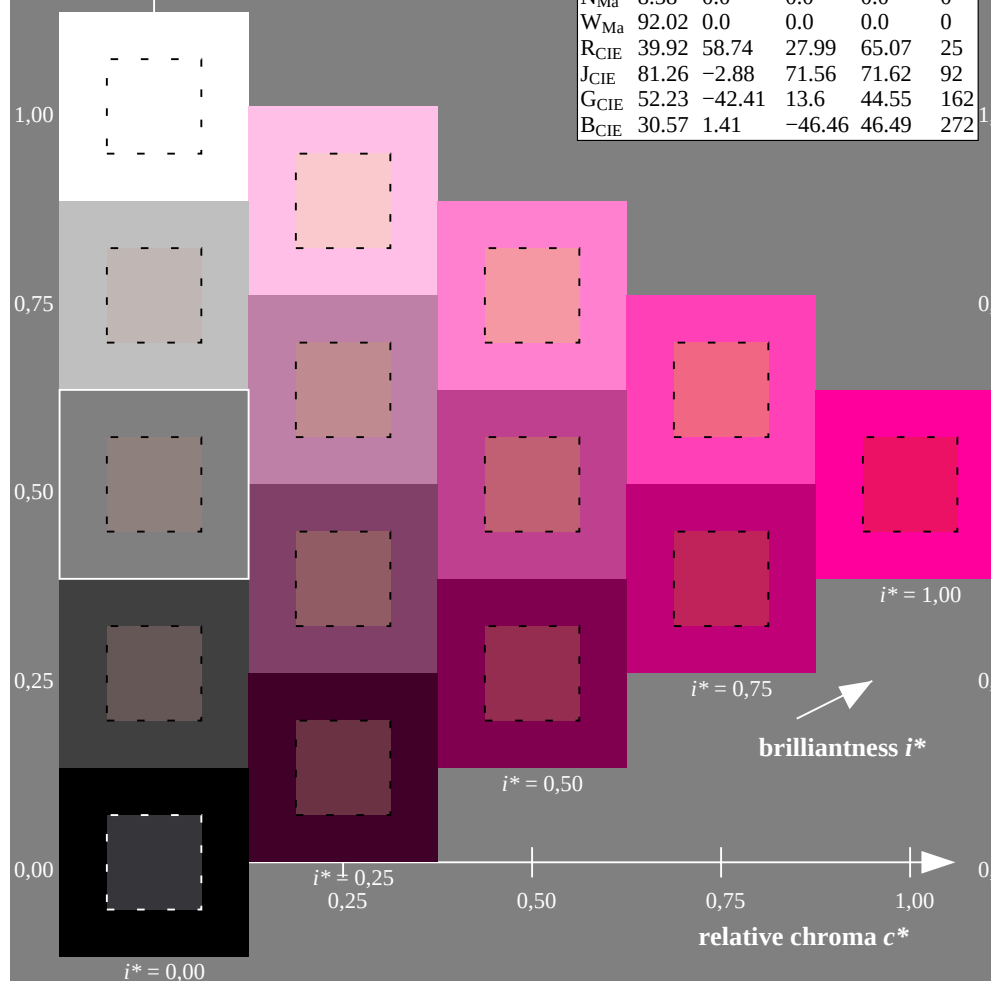
%Gamut

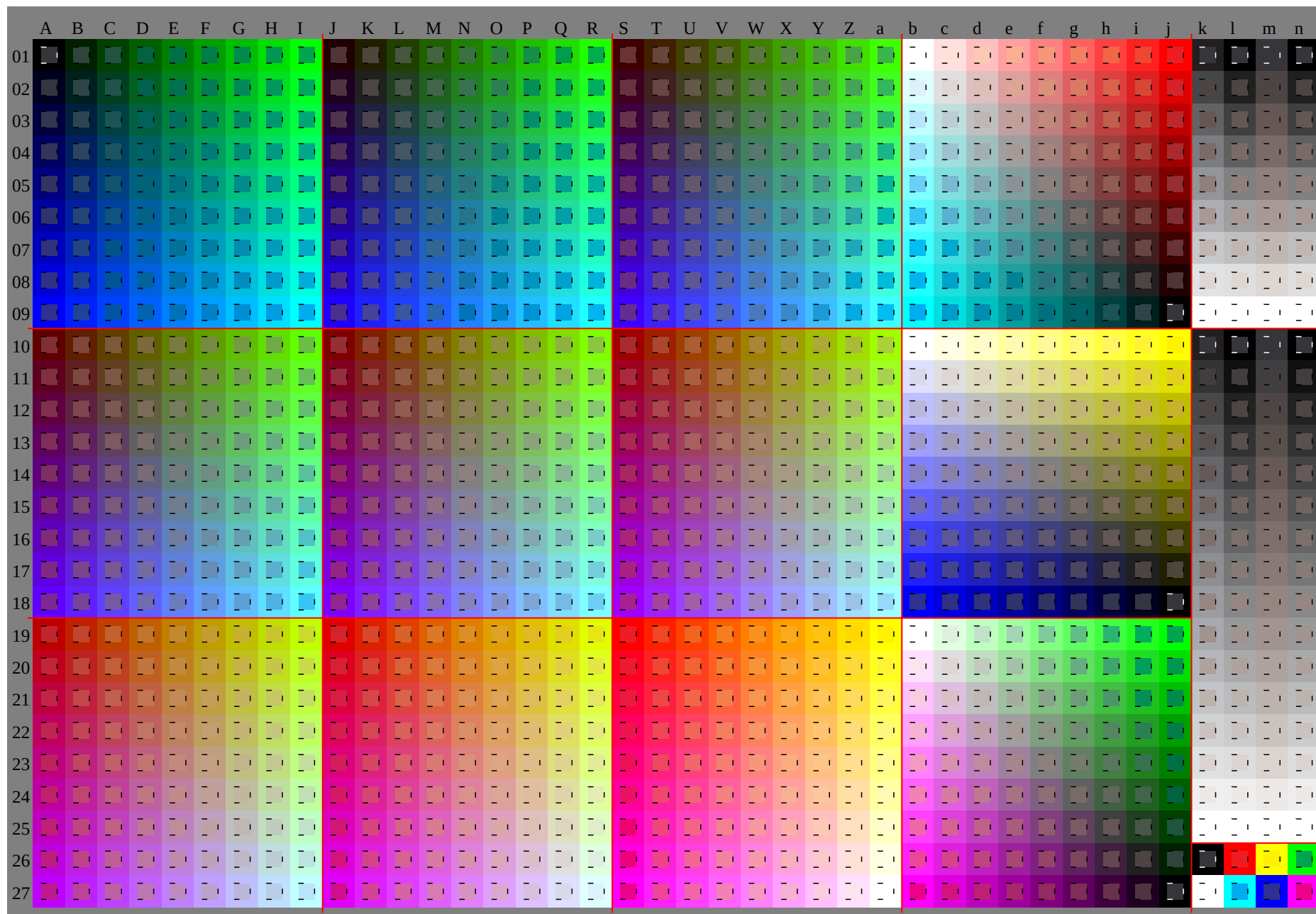
$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regularity

$$g_{H,rel}^* = 31$$
$$g_{C,rel}^{*} = 40$$

FRS09_92a; adapted (a) CIELAB data					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357

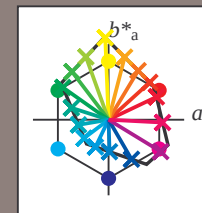




See for similar files: <http://www.ps.bam.de/De70/>; www.ps.bam.de/De70/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



%Gamut
 $u^{*}_{rel} = 109$
%Regularity
 $g^{*}_{H,rel} = 31$
 $g^{*}_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
OMa	35.06	60.0	44.0	74.4	36
YMa	83.77	-5.16	109.32	109.44	93
LMa	44.13	-62.66	48.24	79.09	142
CMa	52.66	-29.13	-31.98	43.27	228
VMa	14.15	50.3	-59.03	77.57	310
MMa	37.37	78.64	-33.49	85.48	337
NMa	8.58	0.0	0.0	0.0	0
WMa	92.02	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

lab^*tch^* and lab^*icu^*

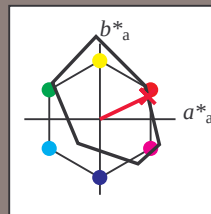
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

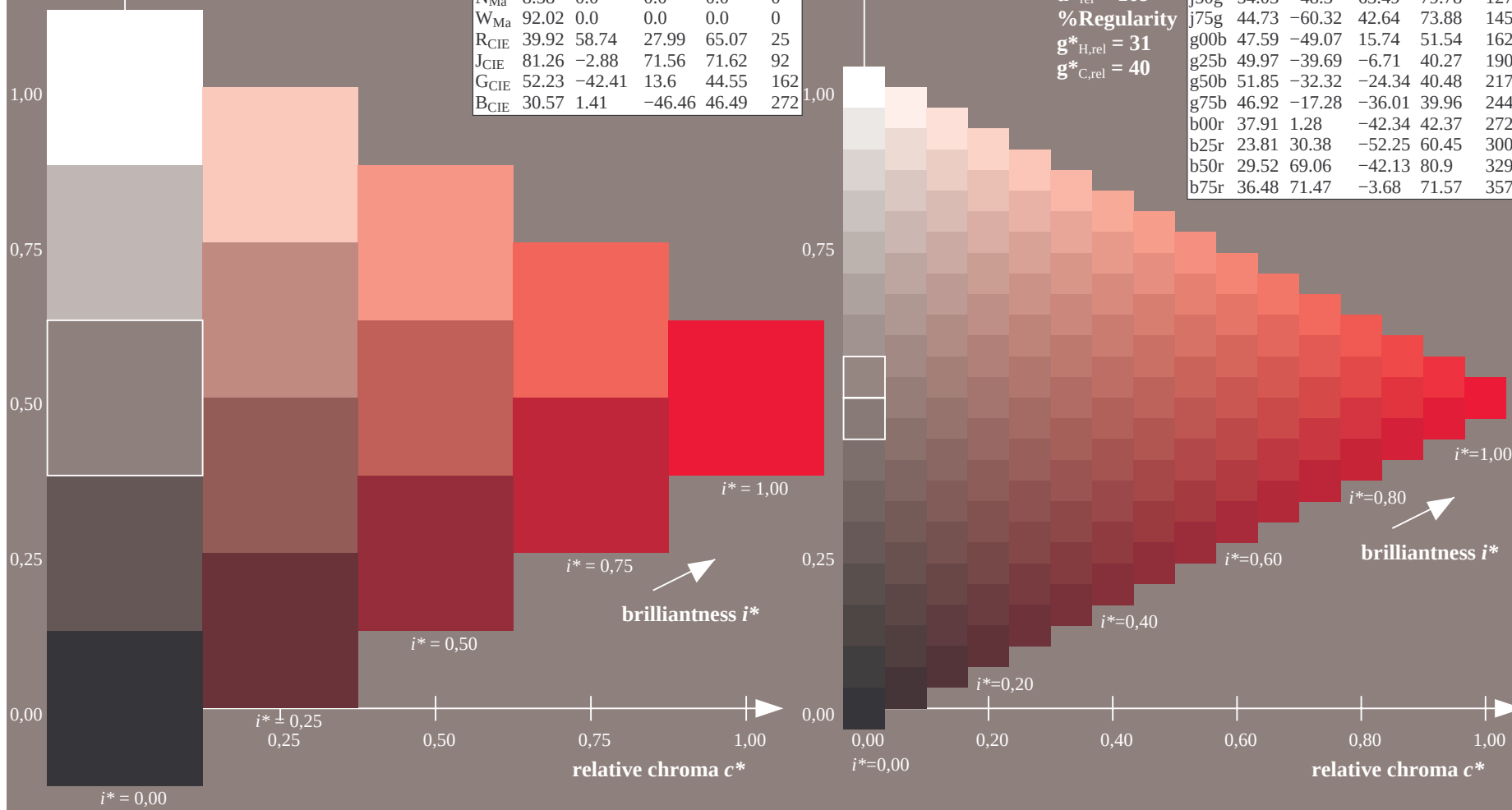
$u^*_{rel} = 109$

%Regularity

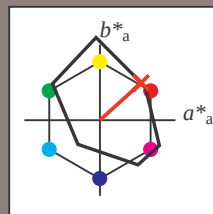
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*
elementary hue text:
 $u^* = r25j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.08 0.0

triangle lightness t^*

%Gamut

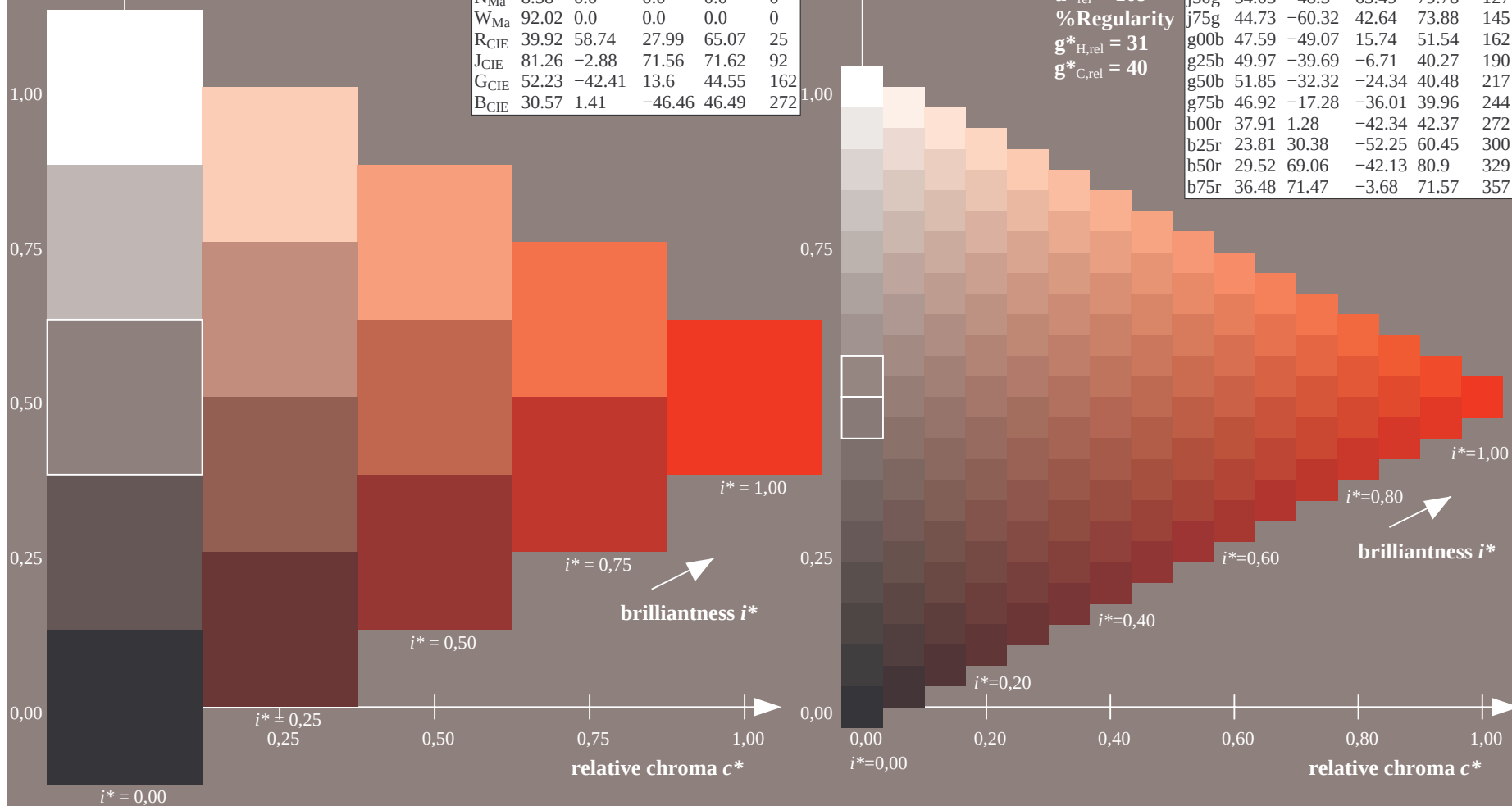
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

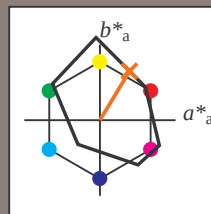
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 59

$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0

$lab^*olv^*_{Ma}$: 1.0 0.32 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

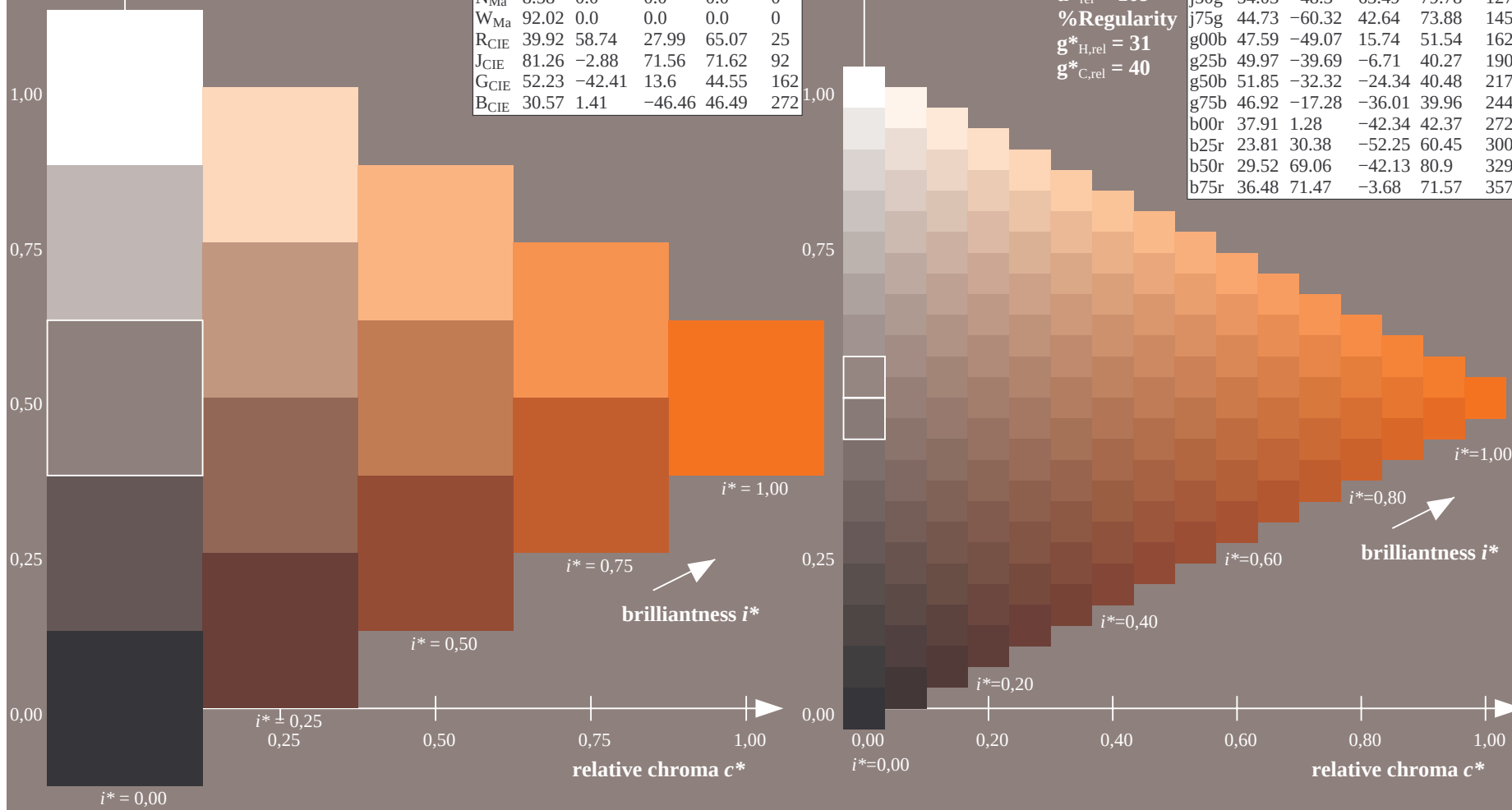
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

lab^*tch^* and lab^*icu^*

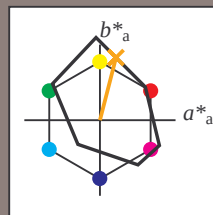
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 76

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.59 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

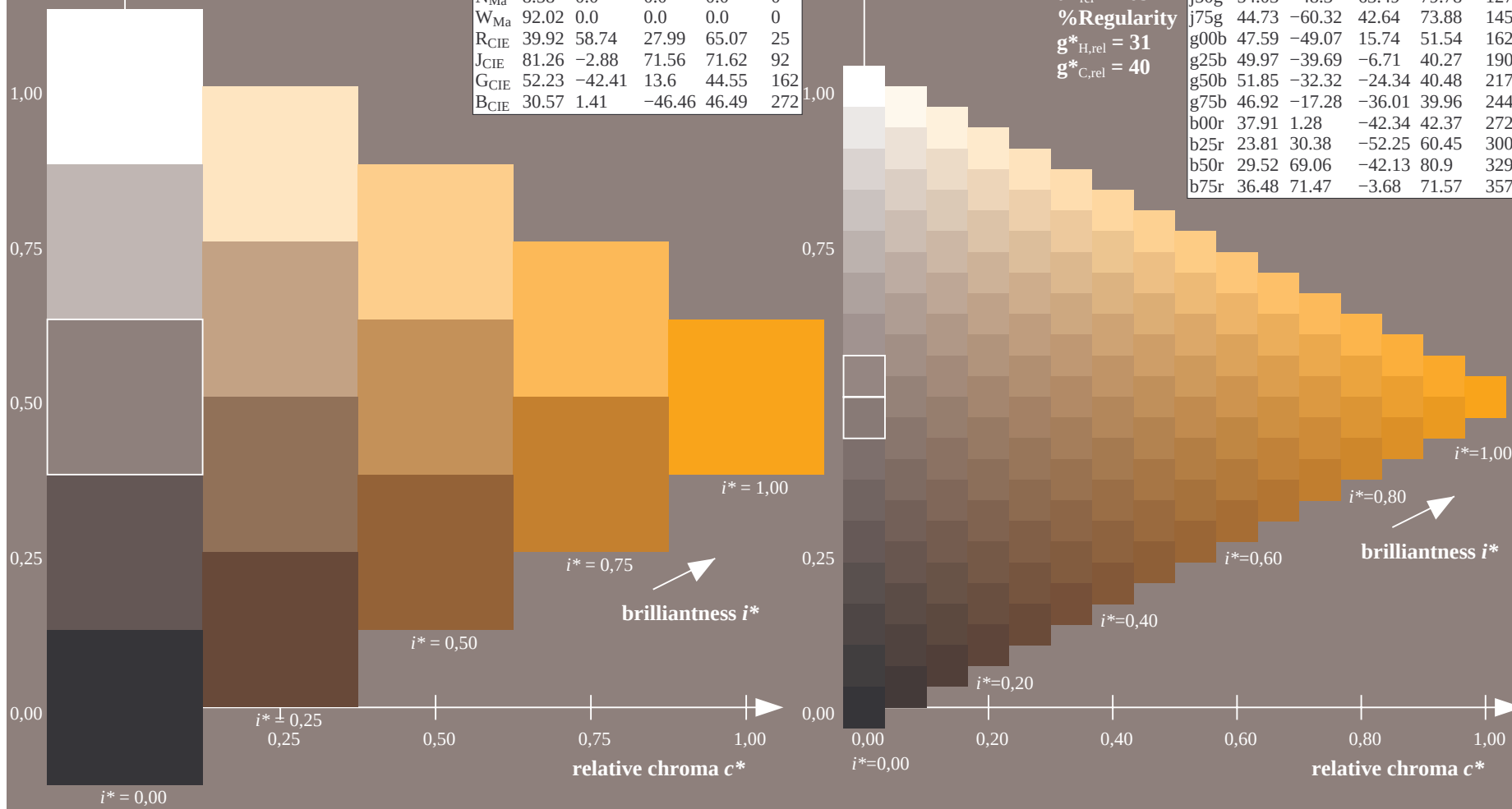
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

lab^*tch^* and lab^*icu^*

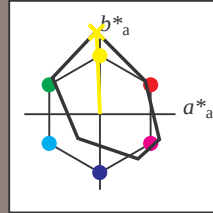
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -3 109

$LAB^*LCH^*_{Ma}$: 83 109 92

$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

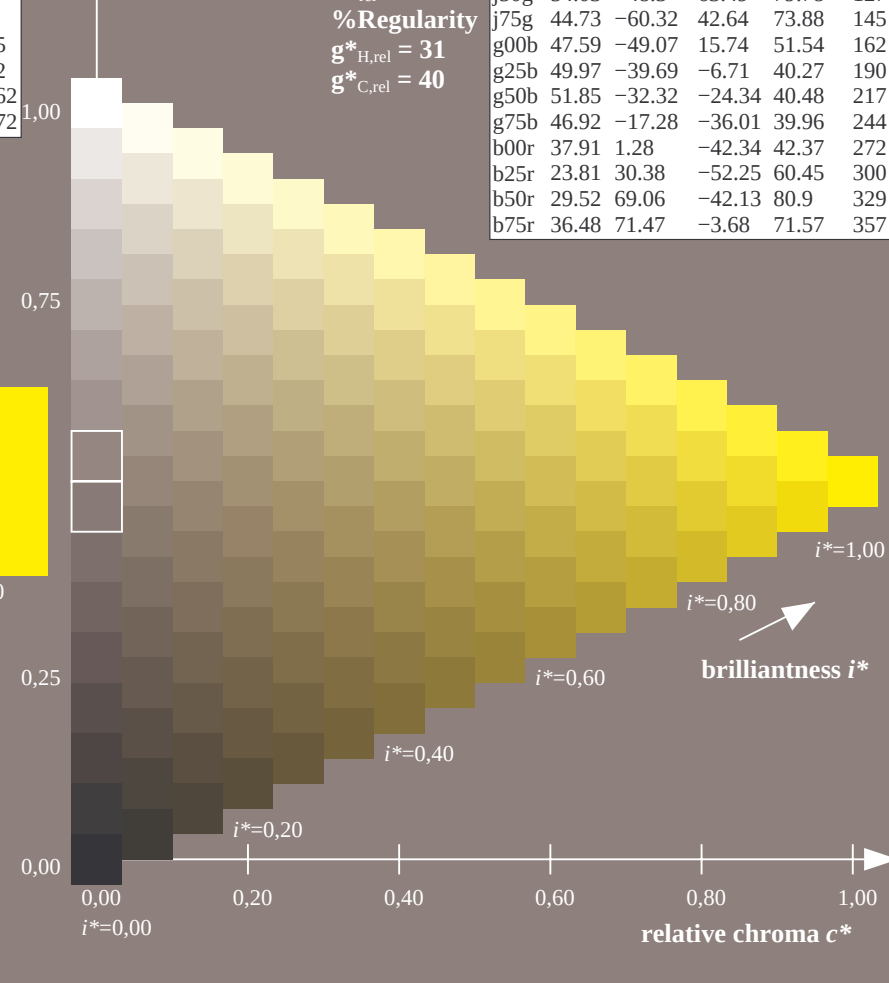
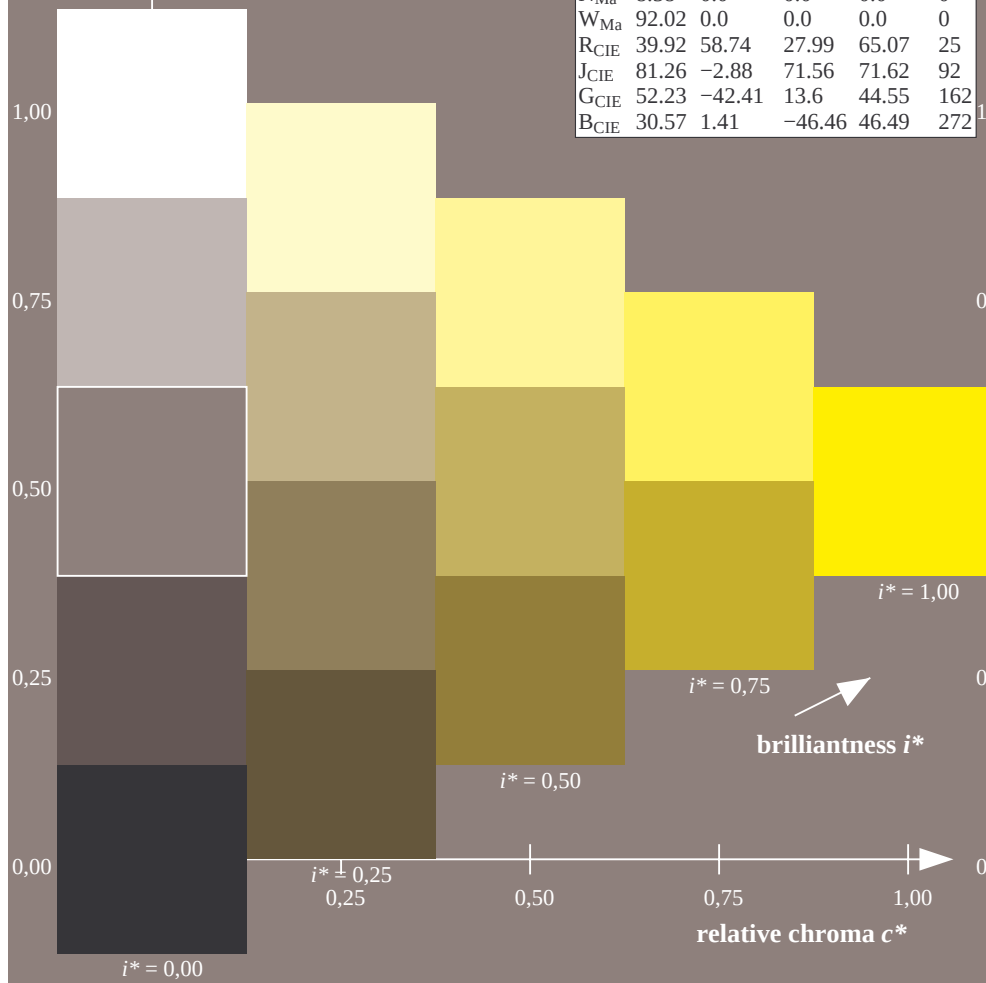
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

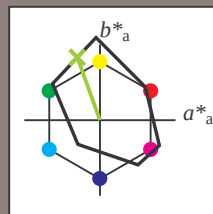
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -29 83

$LAB^*LCH^*_{Ma}$: 67 88 110

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

$lab^*olv^*_{Ma}$: 0.57 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

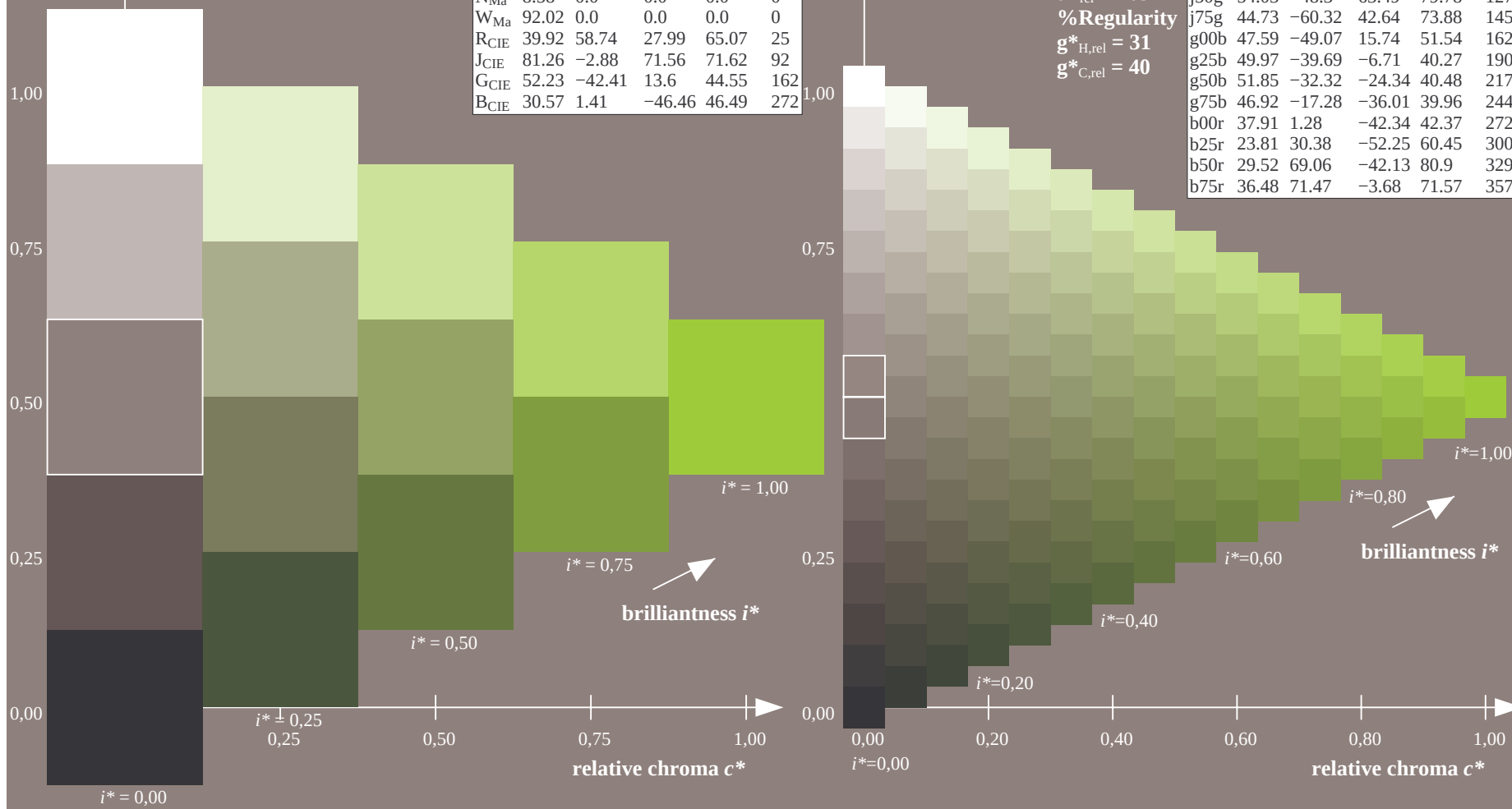
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

lab^*tch^* and lab^*icu^*

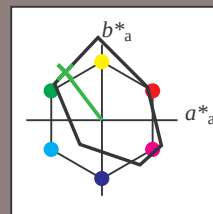
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -47 63

$LAB^*LCH^*_{Ma}$: 54 80 127

$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0

$lab^*olv^*_{Ma}$: 0.25 1.0 0.0

triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357

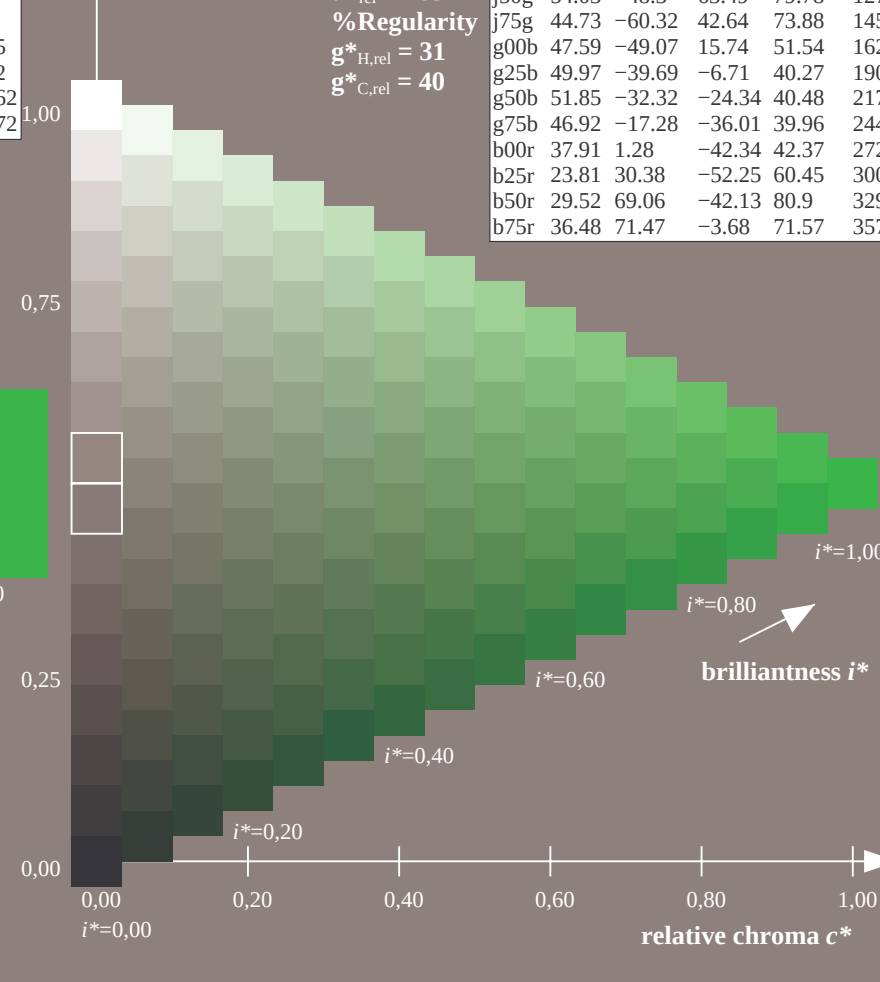
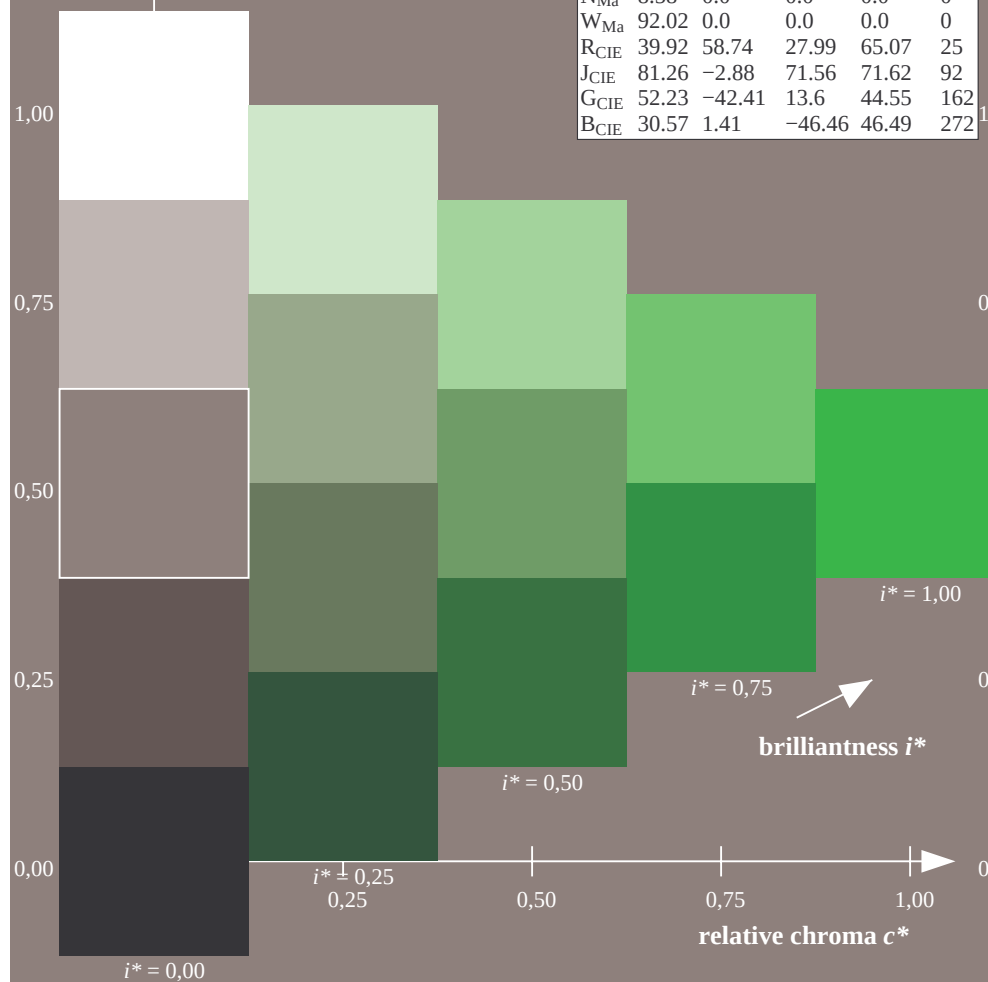
%Gamut

$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

lab^*tch^* and lab^*icu^*

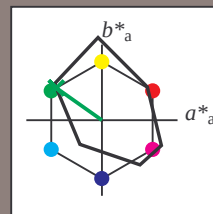
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -59 43

$LAB^*LCH^*_{Ma}$: 45 74 145

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.07

triangle lightness t^*

%Gamut

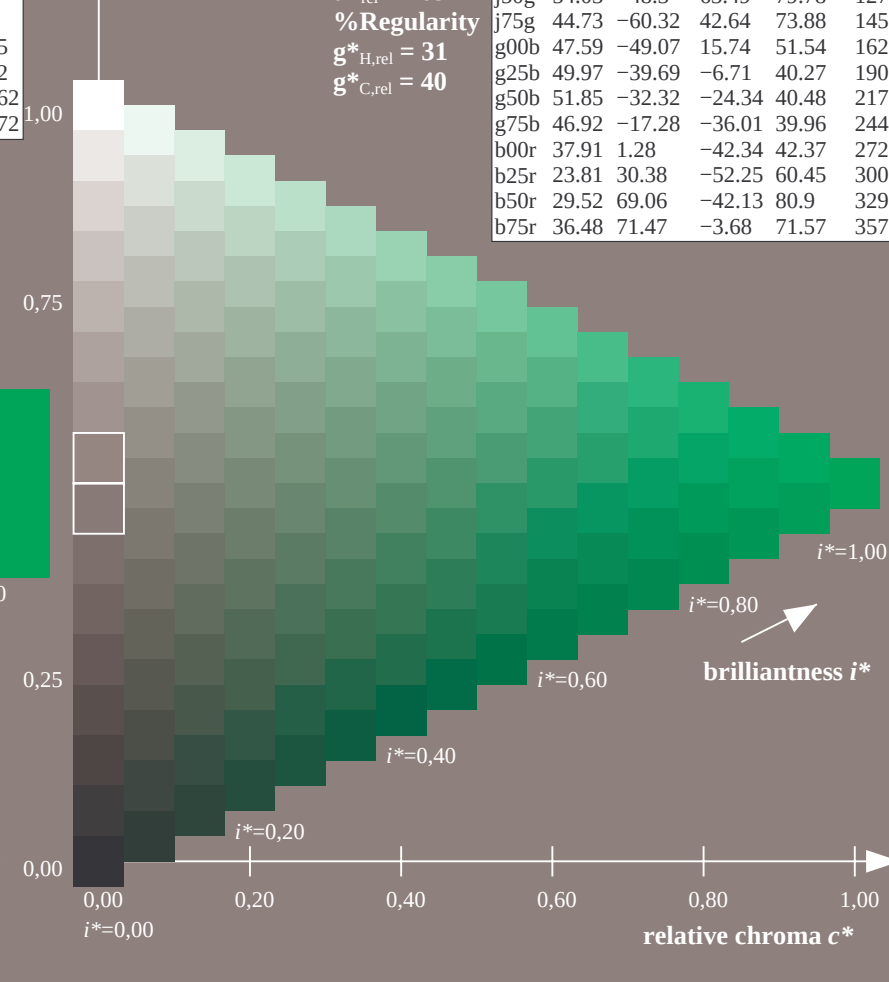
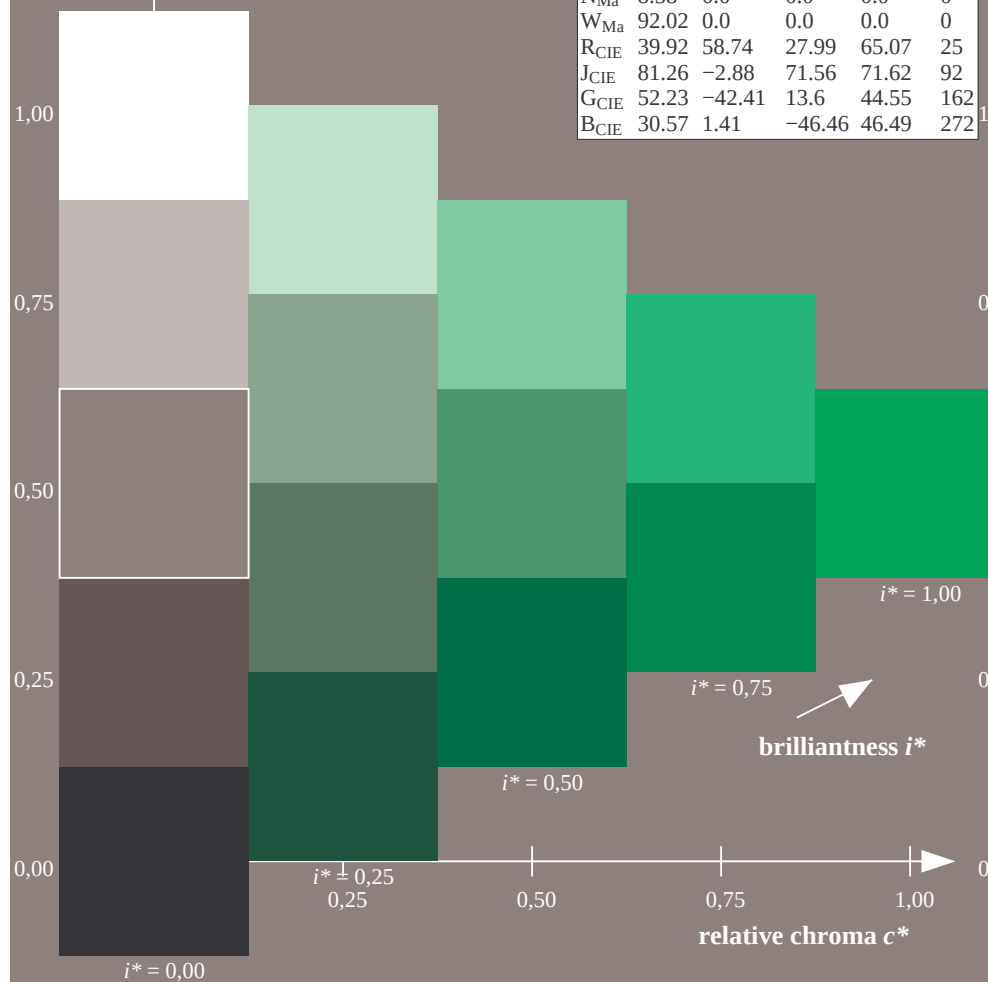
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

lab^*tch^* and lab^*icu^*

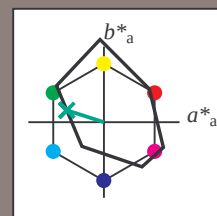
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -48 16

$LAB^*LCH^*_{Ma}$: 48 52 162

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.41

triangle lightness t^*

%Gamut

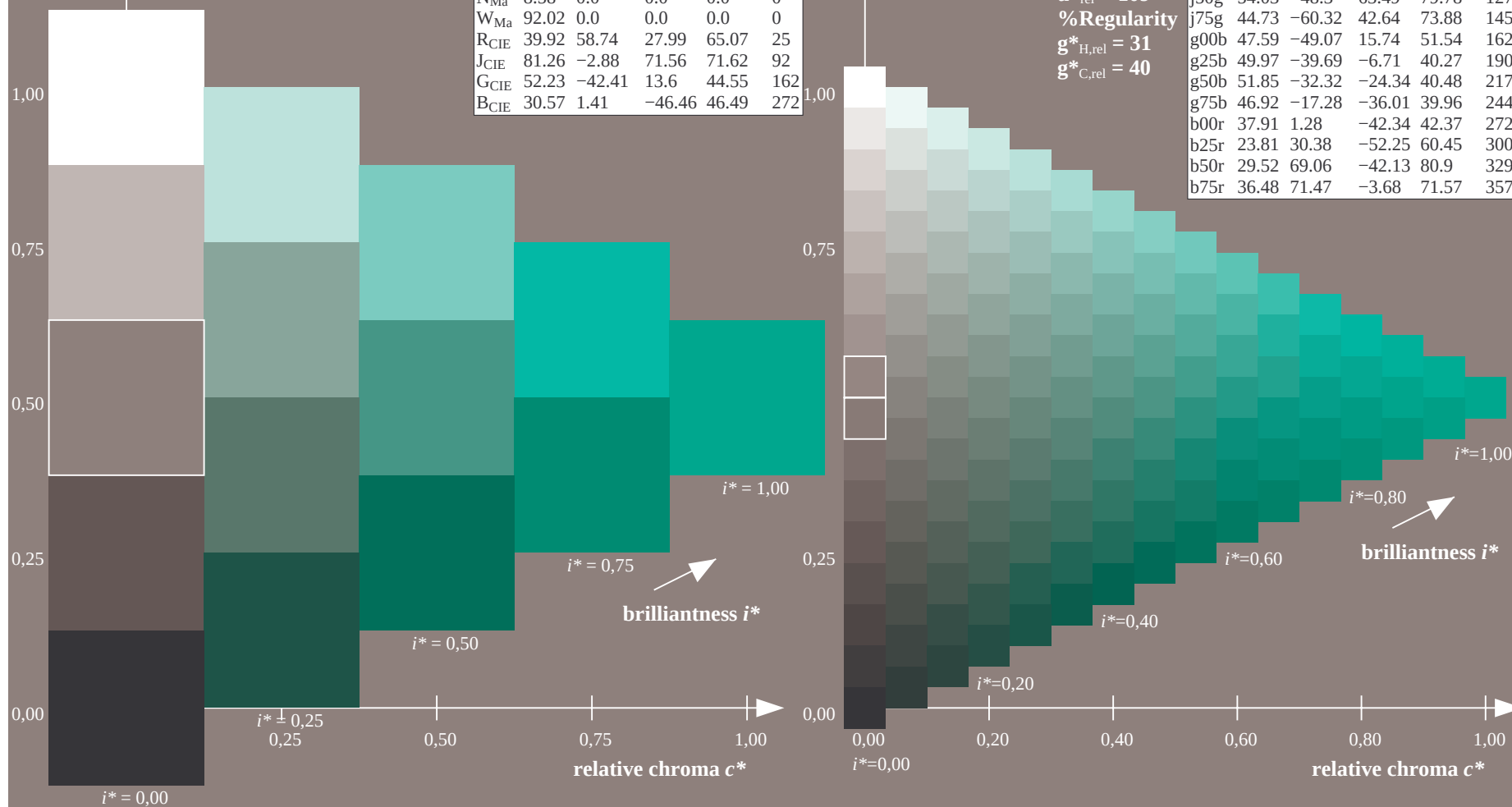
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

lab^*tch^* and lab^*icu^*

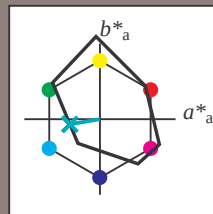
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -39 -6

$LAB^*LCH^*_{Ma}$: 50 40 190

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5

$lab^*olv^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357

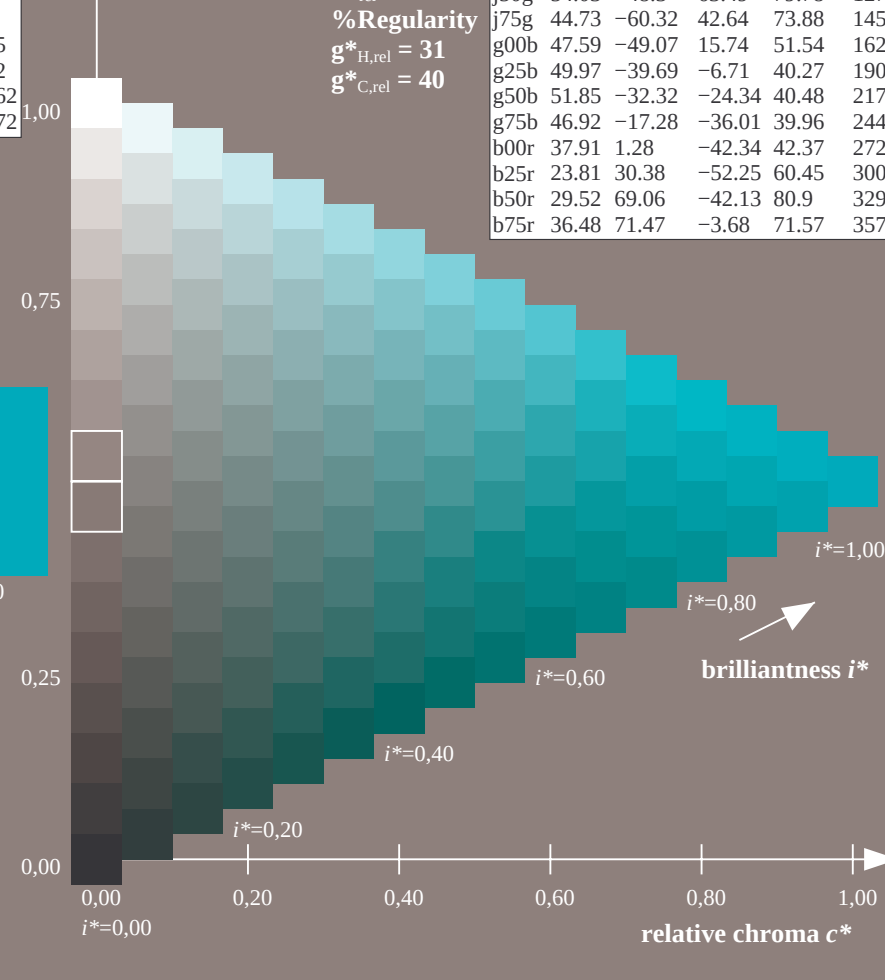
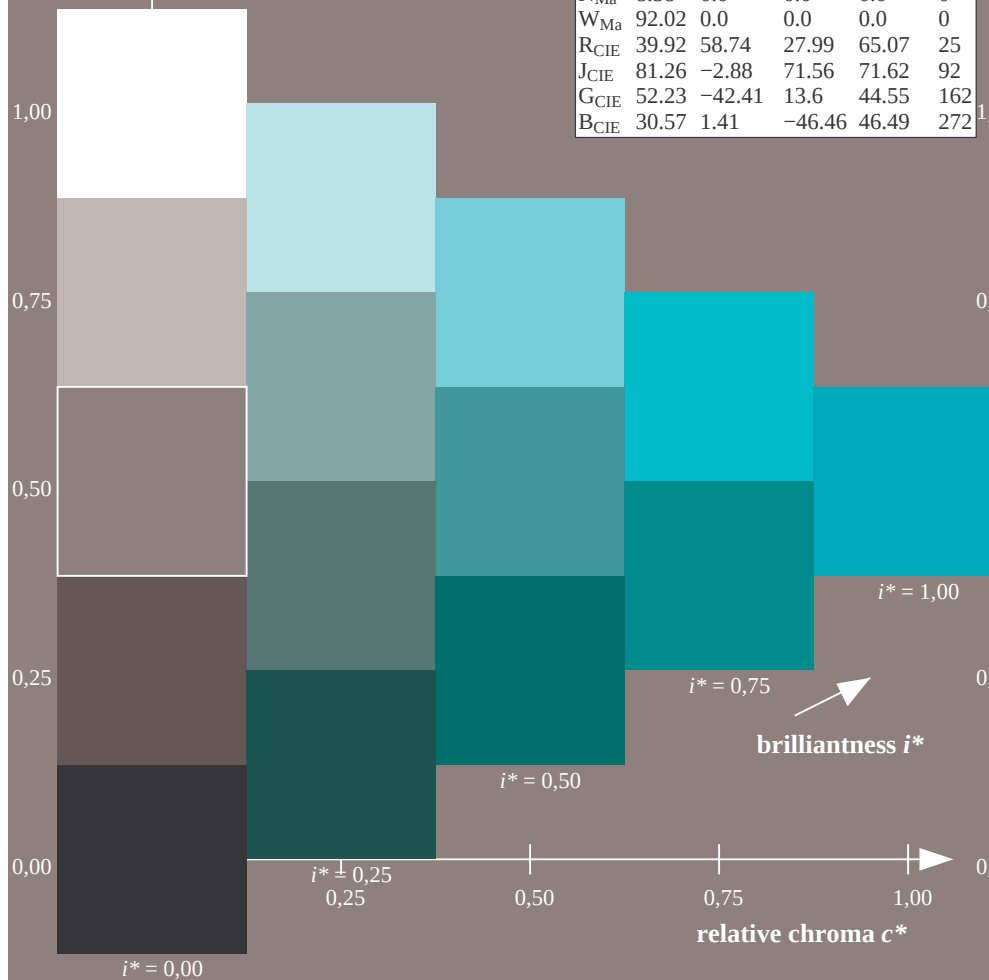
%Gamut

$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

lab^*tch^* and lab^*icu^*

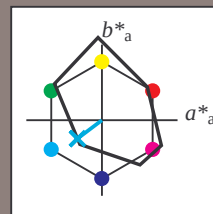
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -31 -23

$LAB^*LCH^*_{Ma}$: 52 40 217

$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.9

triangle lightness t^*

%Gamut

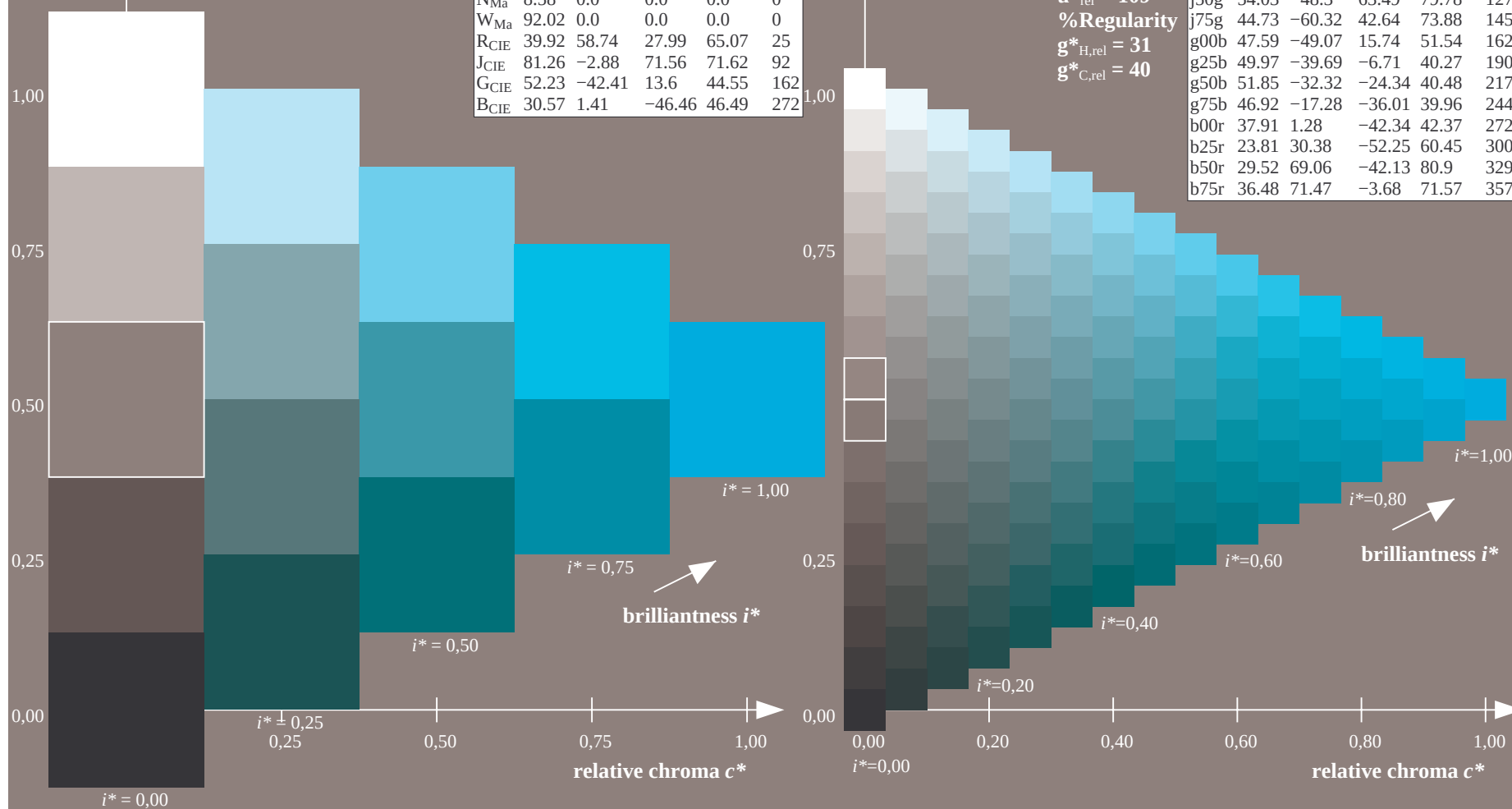
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

lab^*tch^* and lab^*icu^*

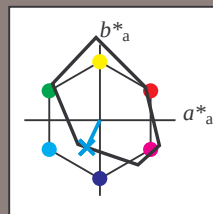
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -16 -35

$LAB^*LCH^*_{Ma}$: 47 40 244

$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0

$lab^*olv^*_{Ma}$: 0.0 0.85 1.0

triangle lightness t^*

%Gamut

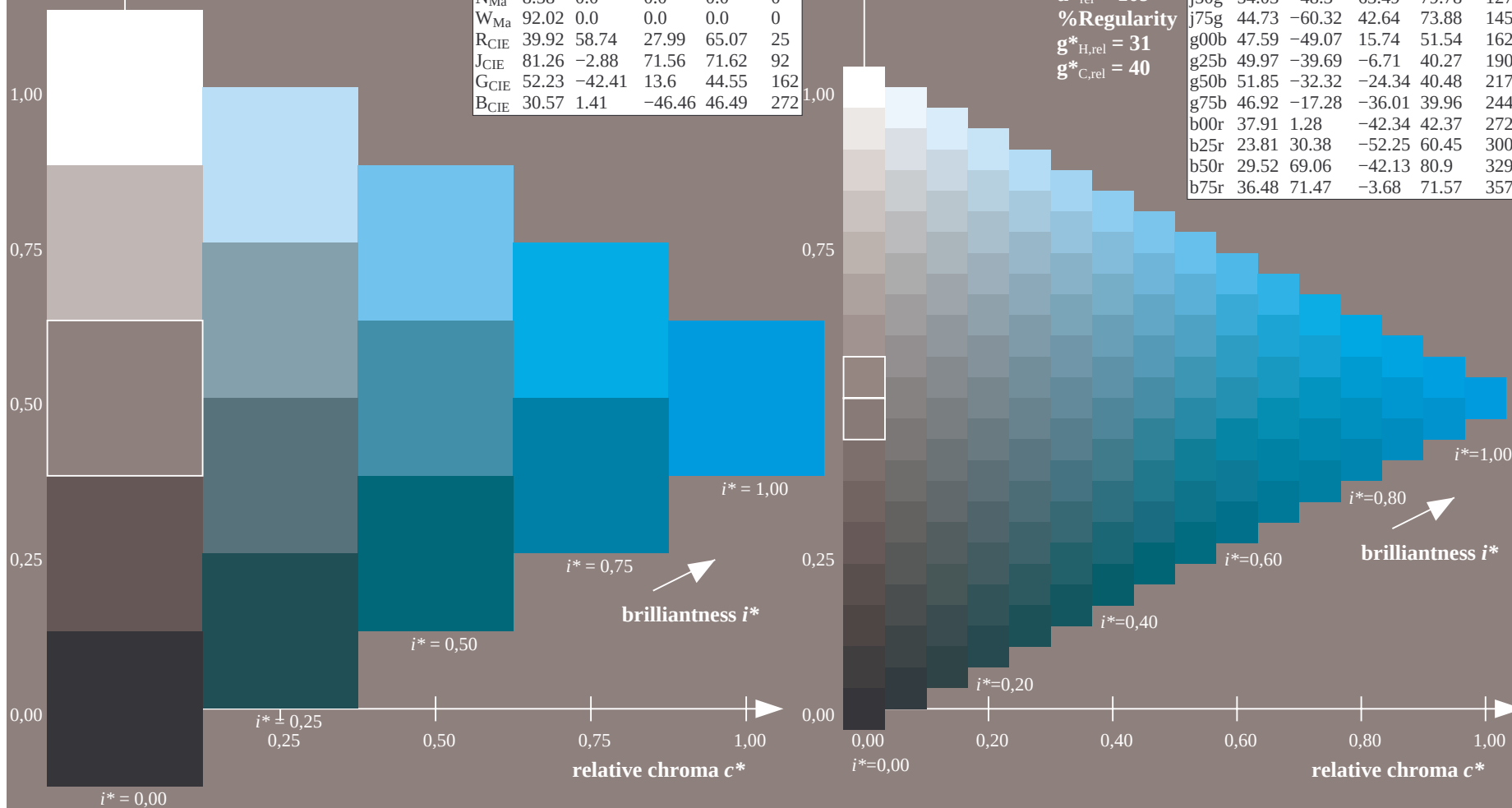
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

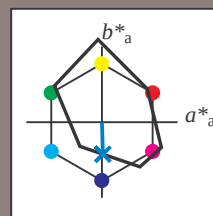
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -41

$LAB^*LCH^*_{Ma}$: 38 42 272

$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

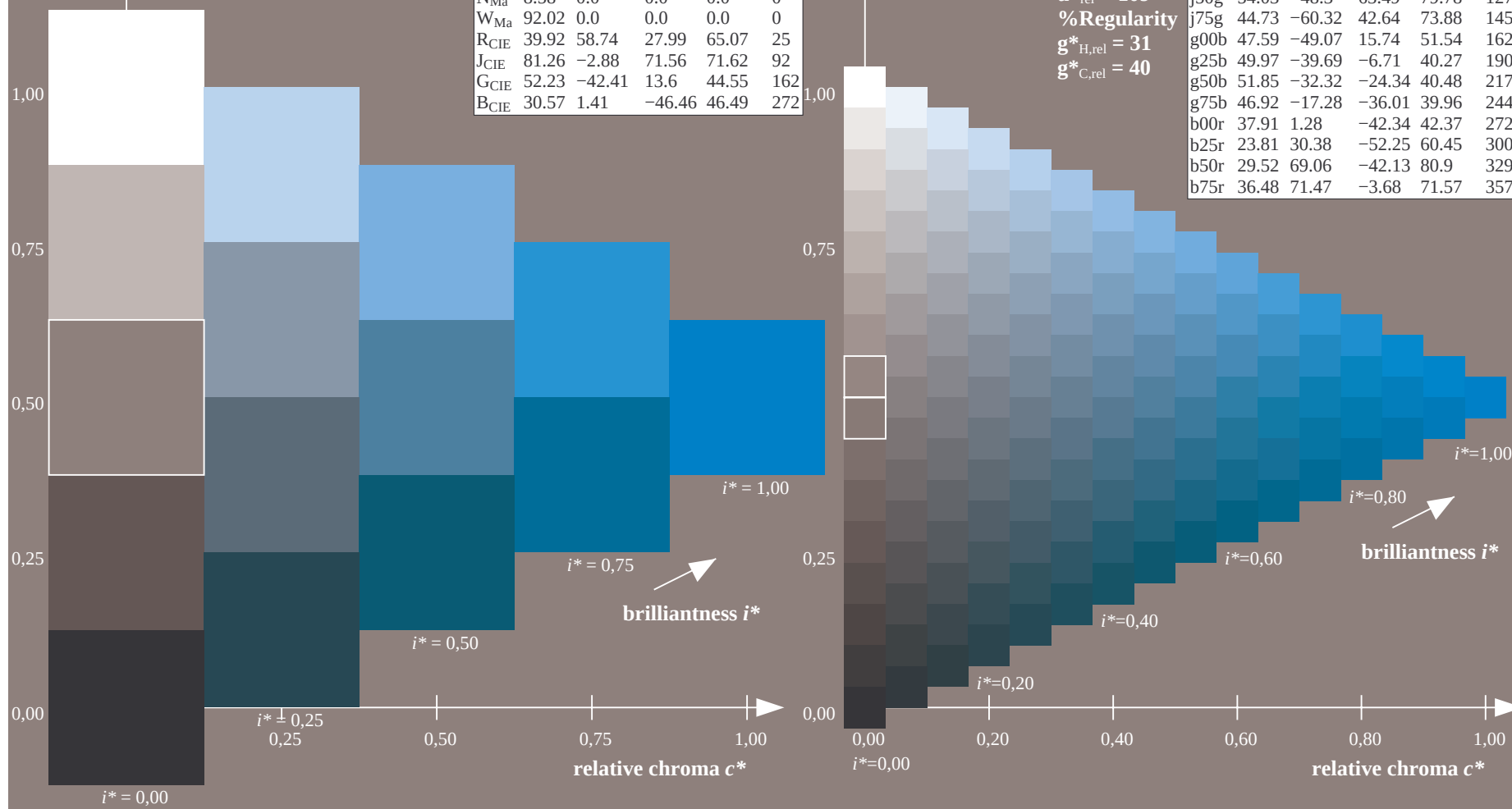
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

lab^*tch^* and lab^*icu^*

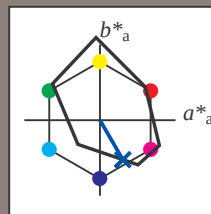
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -51

$LAB^*LCH^*_{Ma}$: 24 60 300

$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.25 1.0

triangle lightness t^*

%Gamut

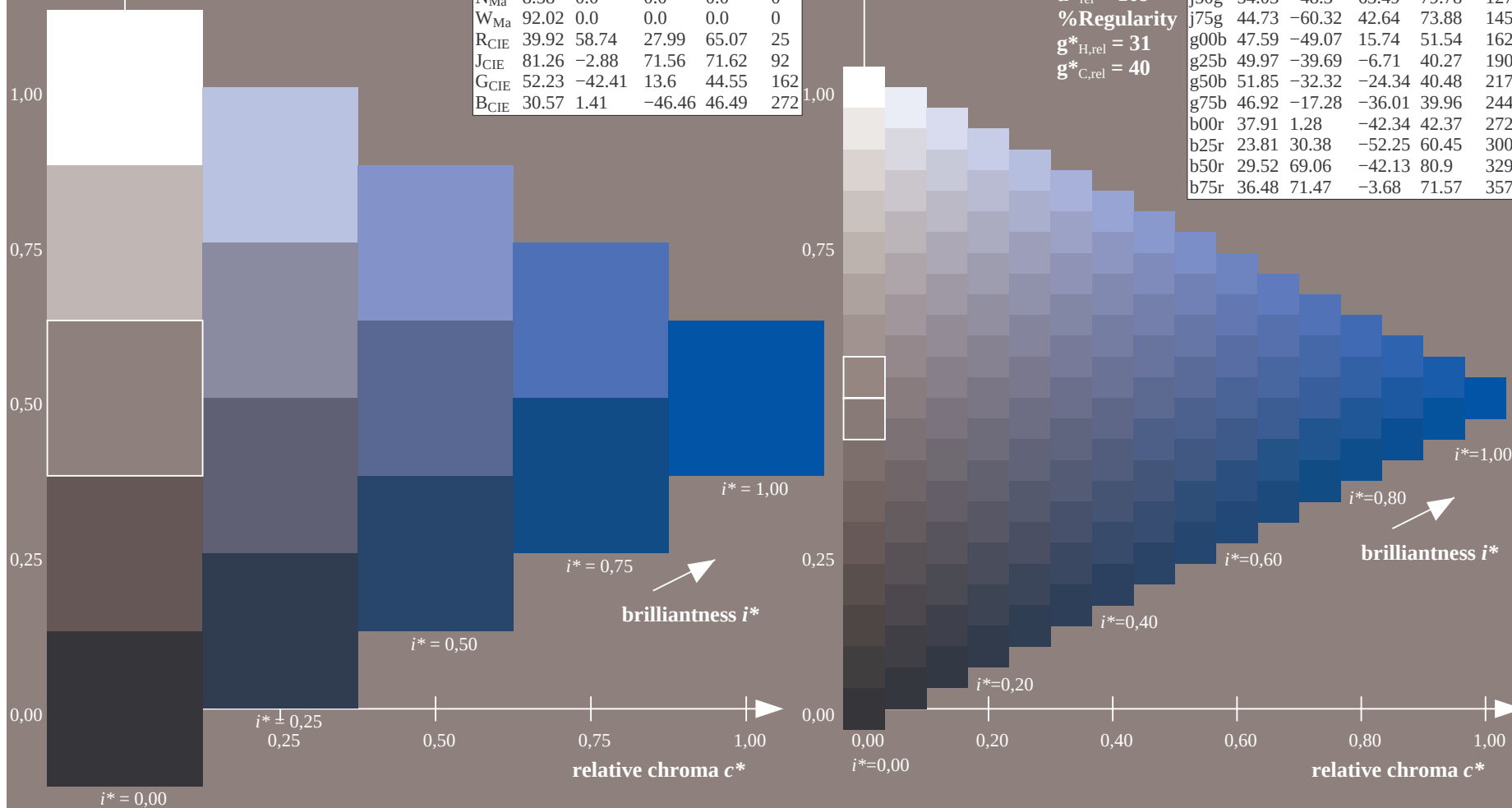
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

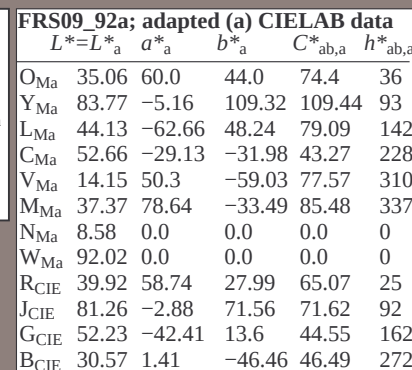
FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



*lab*tch** and *lab*icu**

$$u^* = b50r$$
$$c_P = 1.0$$

↑

LAB*LAB* M_0 : 30 69 -41

LAB*LCH*Ma: 30 81 329

lab*olv*_{Ma}: 0.66 0.0 1.0

triangle rightness:

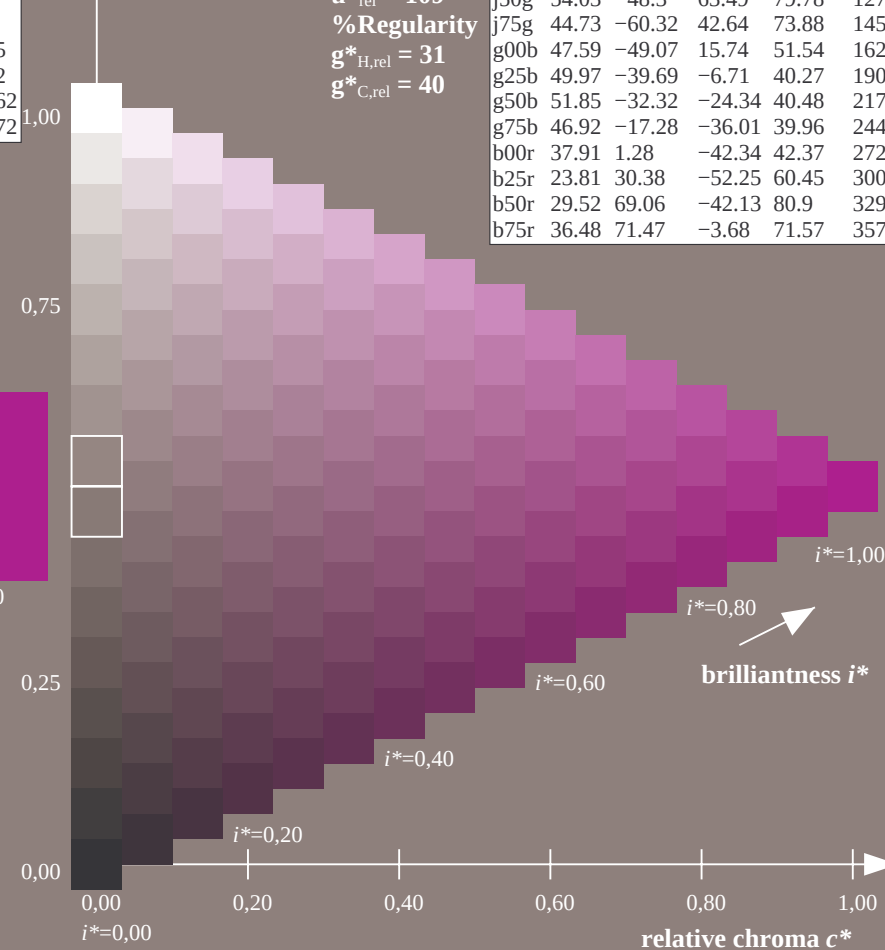
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regular

$$g^*_{H,rel} = 3$$
$$g^*_{C,rel} = 40$$

FRS09_92a; adapted (a) CIELAB data						
	$L^* = L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
r00j	35.47	63.32	30.17	70.15	25.5	100
r25j	39.12	54.56	49.45	73.64	42.0	100
r50j	50.64	39.15	64.89	75.79	59.0	100
r75j	64.01	21.26	82.83	85.52	76.0	100
j00g	83.18	-4.37	108.53	108.62	92.0	100
j25g	66.73	-29.88	83.06	88.28	110.0	100
j50g	54.03	-48.3	63.49	79.78	127.0	100
j75g	44.73	-60.32	42.64	73.88	145.0	100
g00b	47.59	-49.07	15.74	51.54	162.0	100
g25b	49.97	-39.69	-6.71	40.27	190.0	100
g50b	51.85	-32.32	-24.34	40.48	217.0	100
g75b	46.92	-17.28	-36.01	39.96	244.0	100
b00r	37.91	1.28	-42.34	42.37	272.0	100
b25r	23.81	30.38	-52.25	60.45	300.0	100
b50r	29.52	69.06	-42.13	80.9	329.0	100
b75r	36.48	71.47	-3.68	71.57	357.0	100



```
input: 000n / w / nnn0 / www set...
output: ->cmy5* setcmykcolor
```

```
output: ->cmyn5* setcmykcolor
```


Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

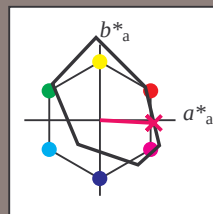
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -3

$LAB^*LCH^*_{Ma}$: 36 72 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.62

triangle lightness t^*

%Gamut

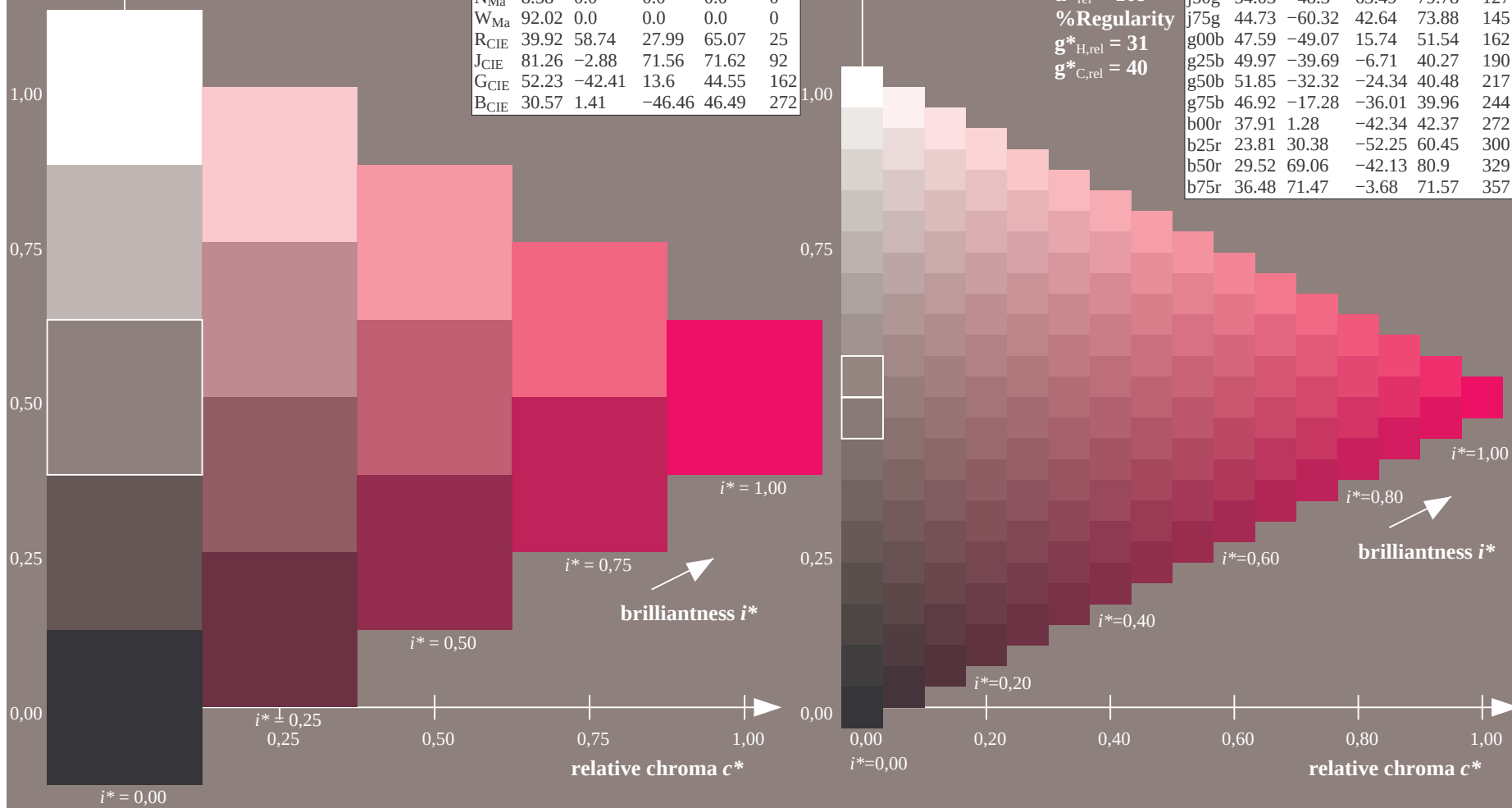
$u^*_{rel} = 109$

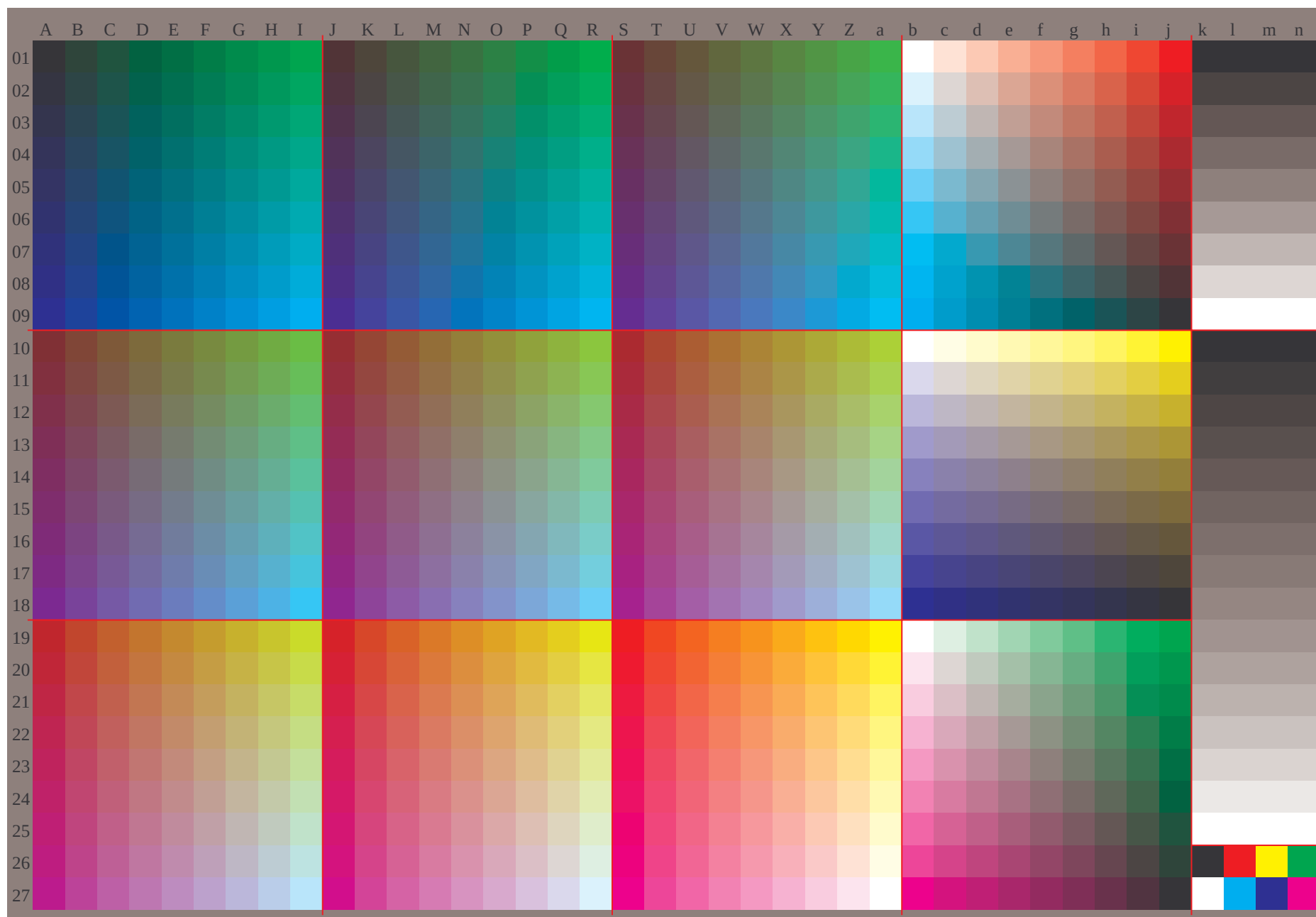
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357

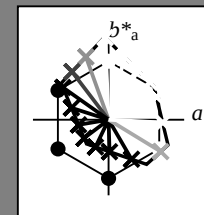




See for similar files: <http://www.ps.bam.de/De70/>; www.ps.bam.de/De70/10L/L70E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

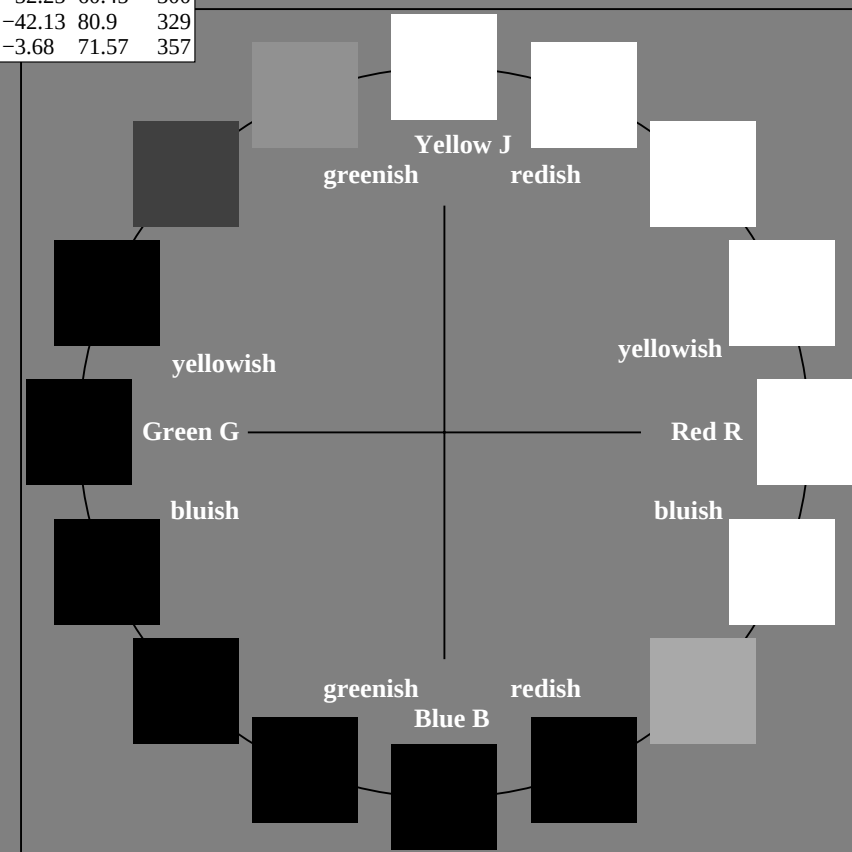
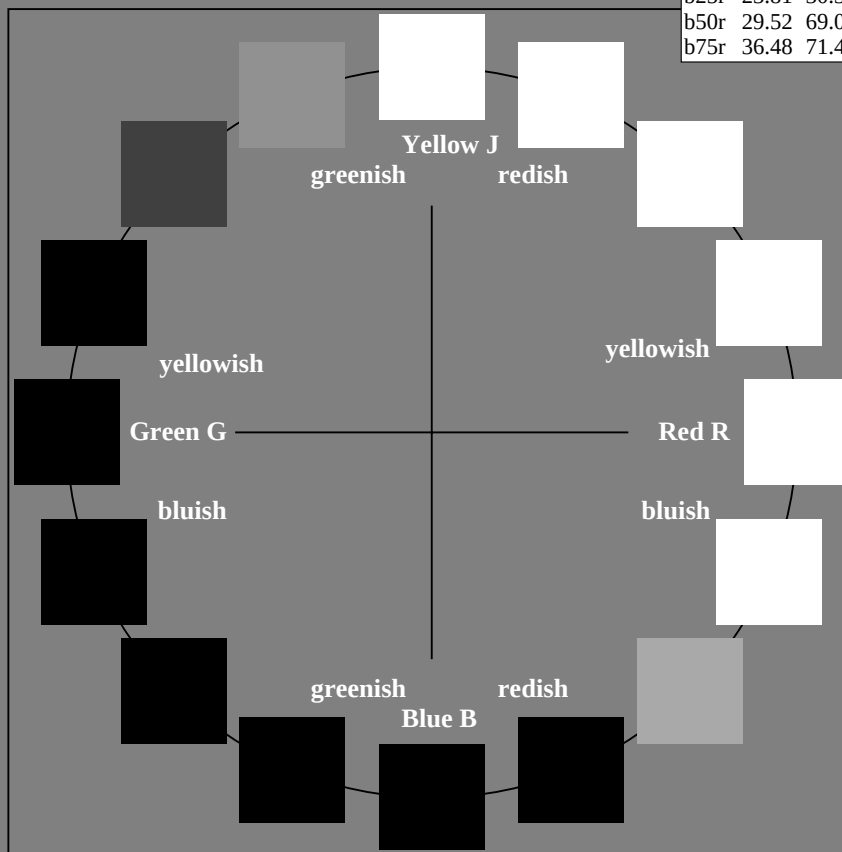
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
*lab**tch** and lab**icu***
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

lab^*tch^* and lab^*icu^*

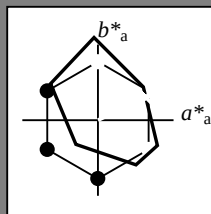
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

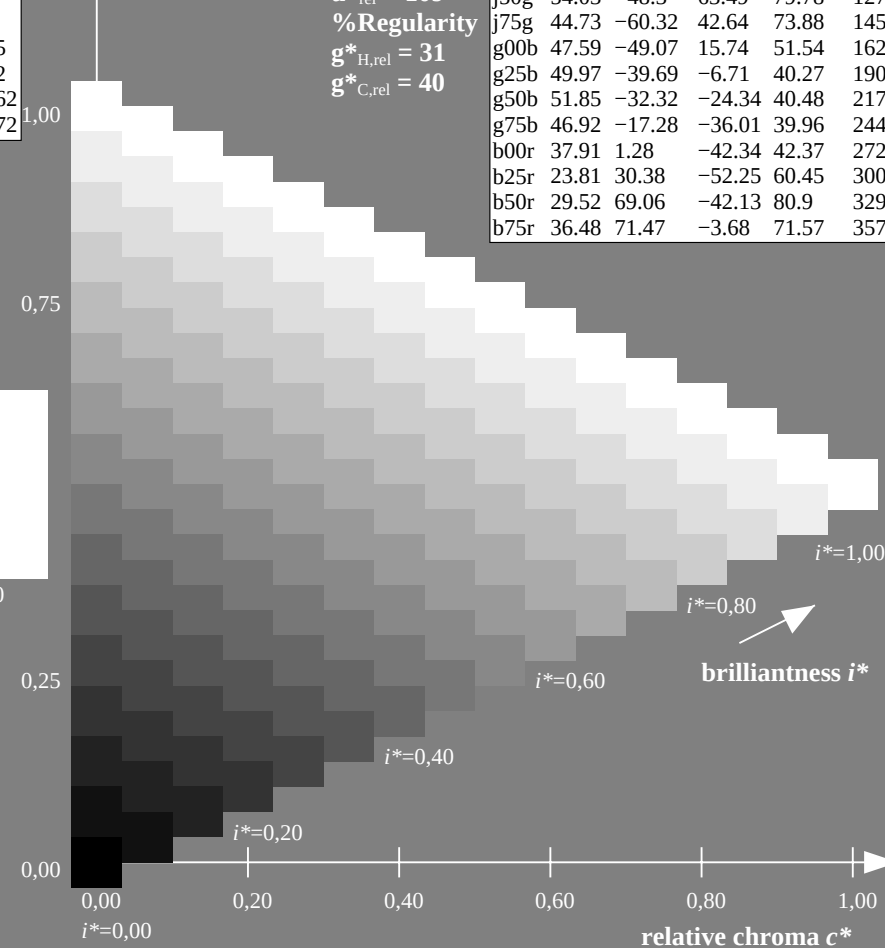
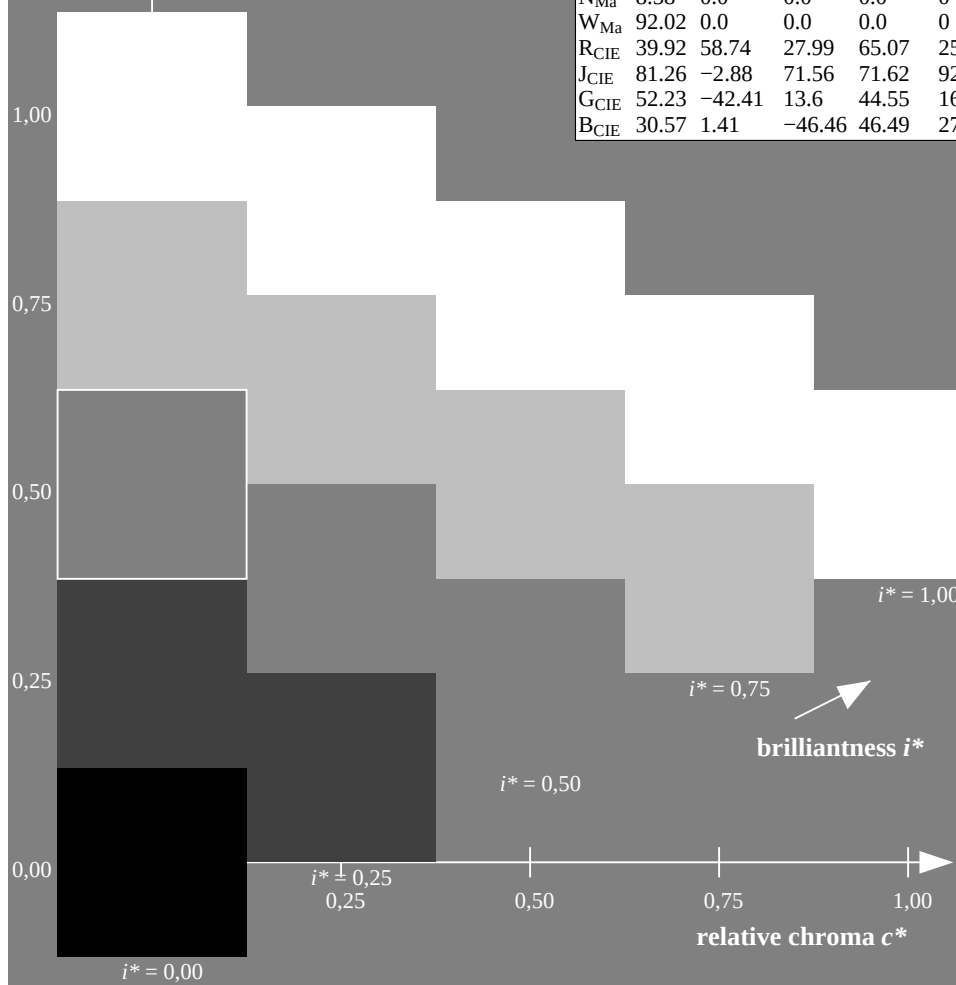
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

lab^*tch^* and lab^*icu^*

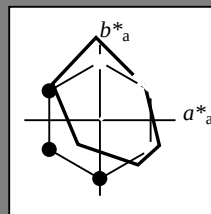
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.08 0.0

triangle lightness t^*

%Gamut

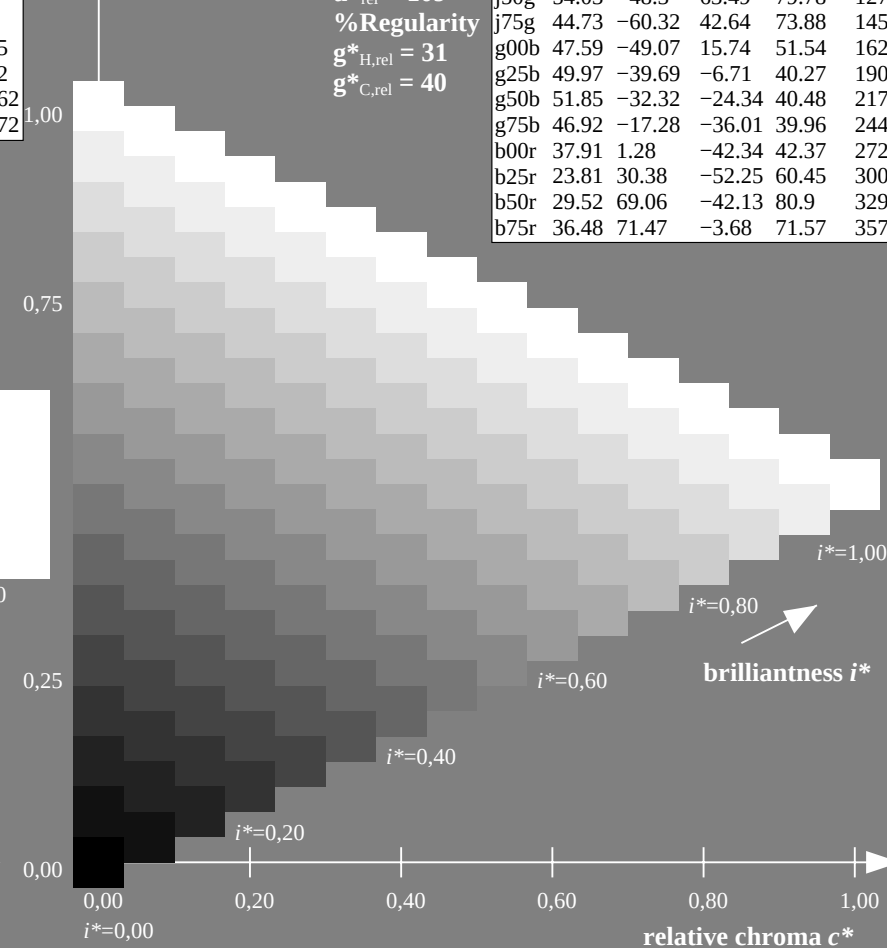
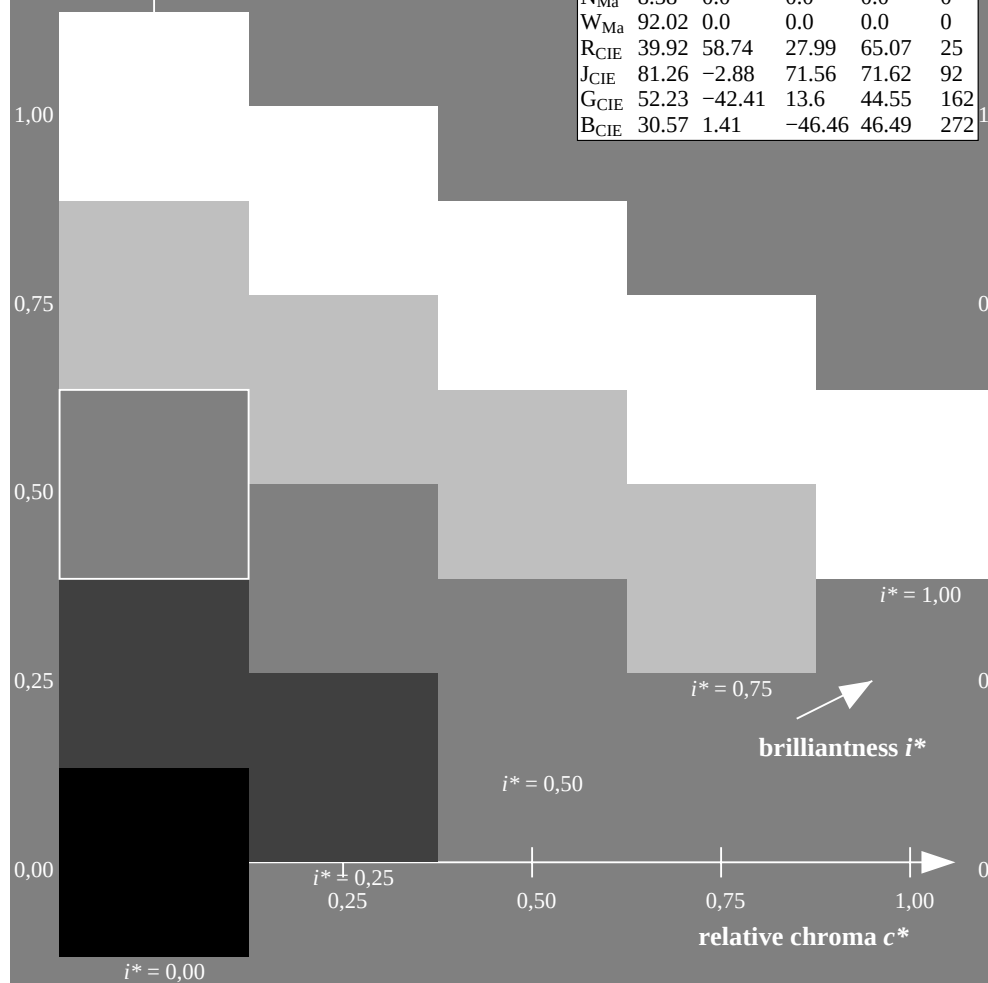
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

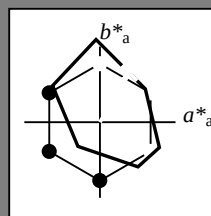
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 59

$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0

$lab^*olv^*_{Ma}$: 1.0 0.32 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

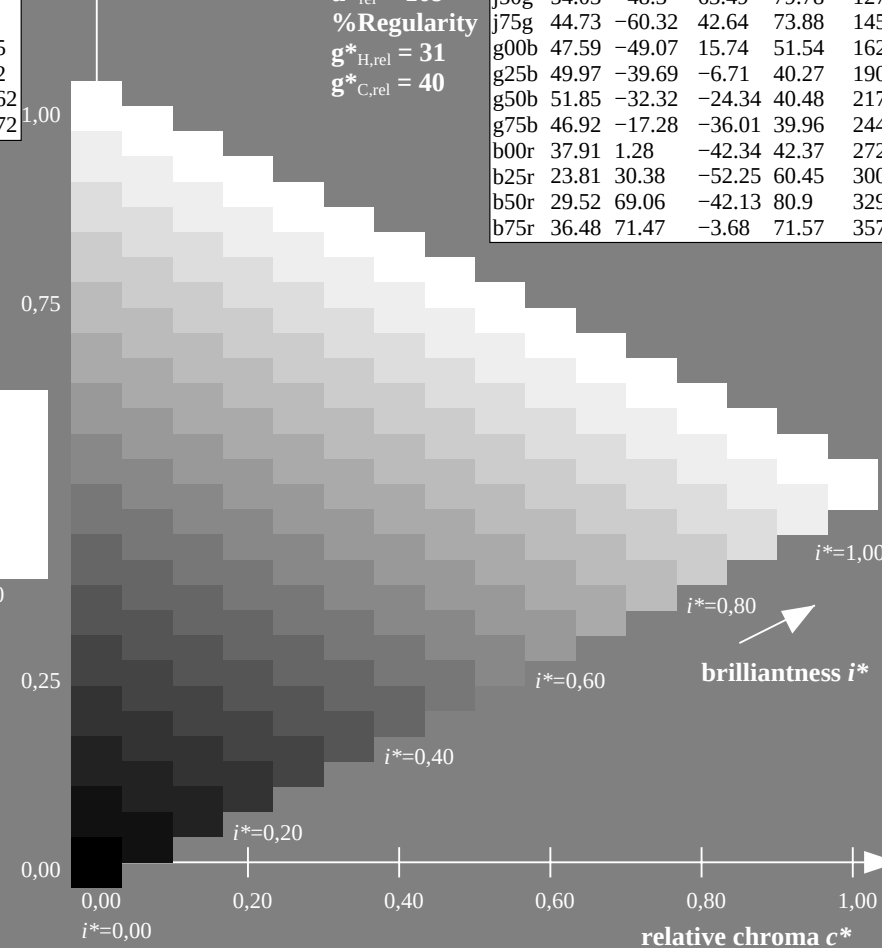
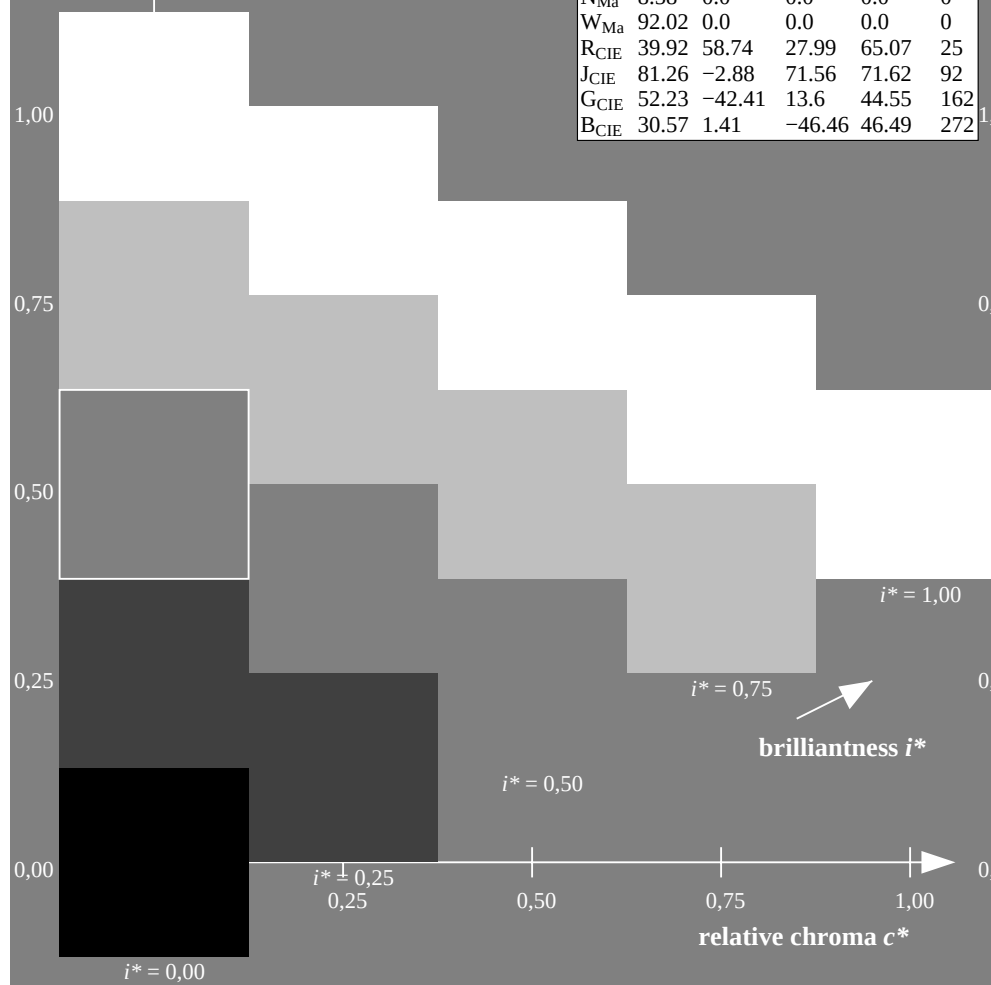
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

lab^*tch^* and lab^*icu^*

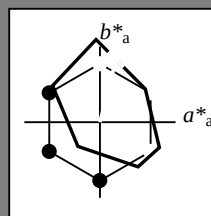
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 76

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.59 0.0

triangle lightness t^*

%Gamut

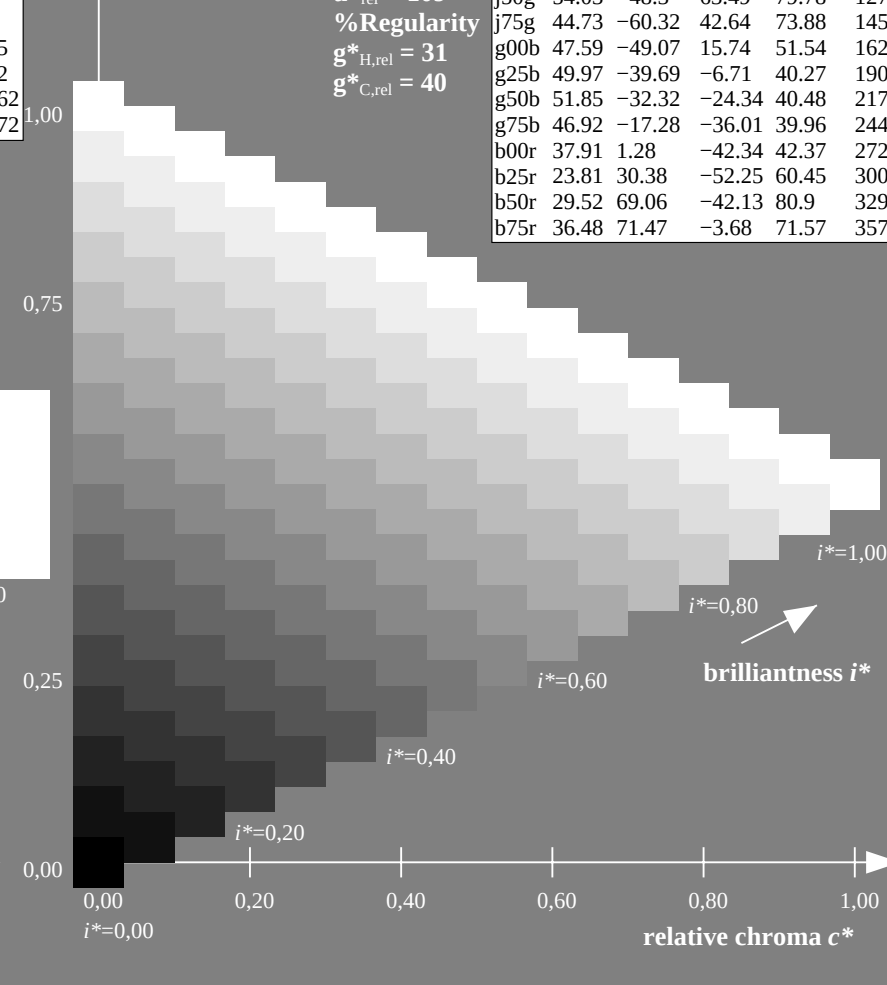
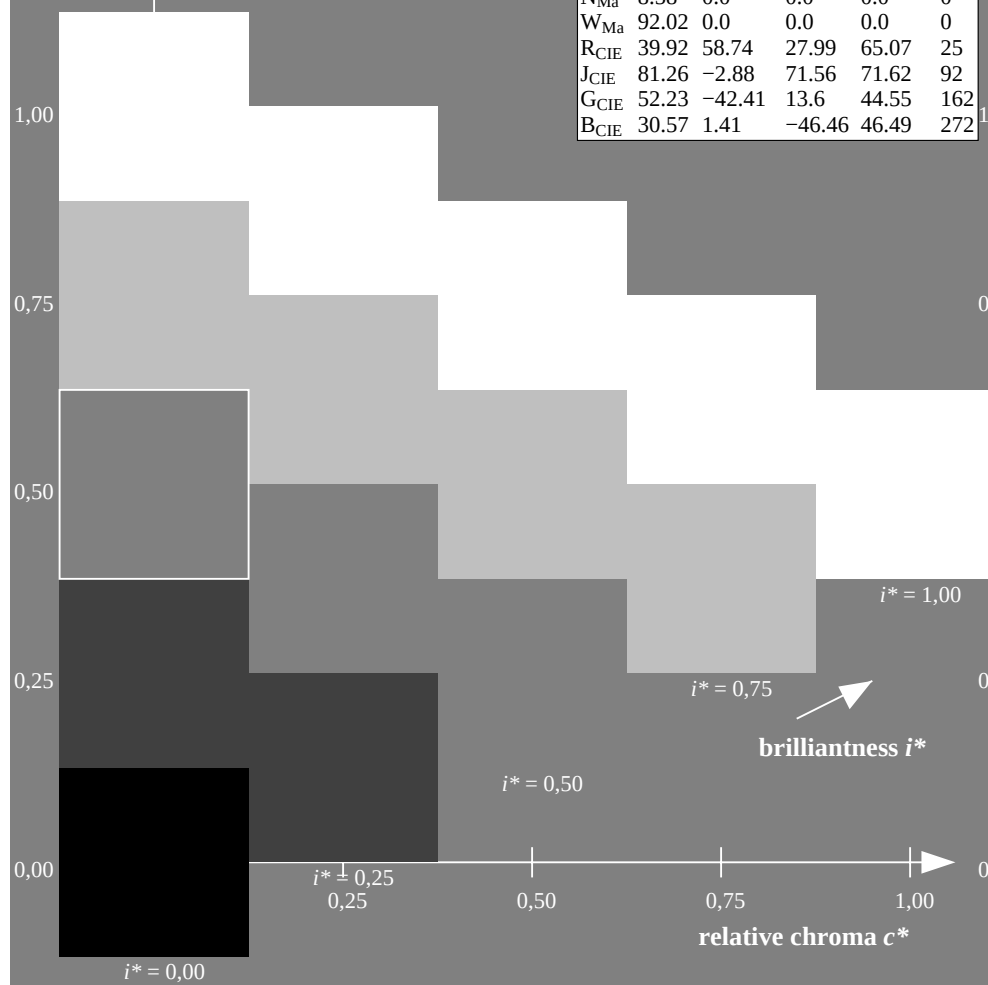
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

lab^*tch^* and lab^*icu^*

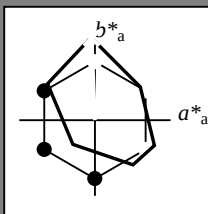
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -3 109

$LAB^*LCH^*_{Ma}$: 83 109 92

$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

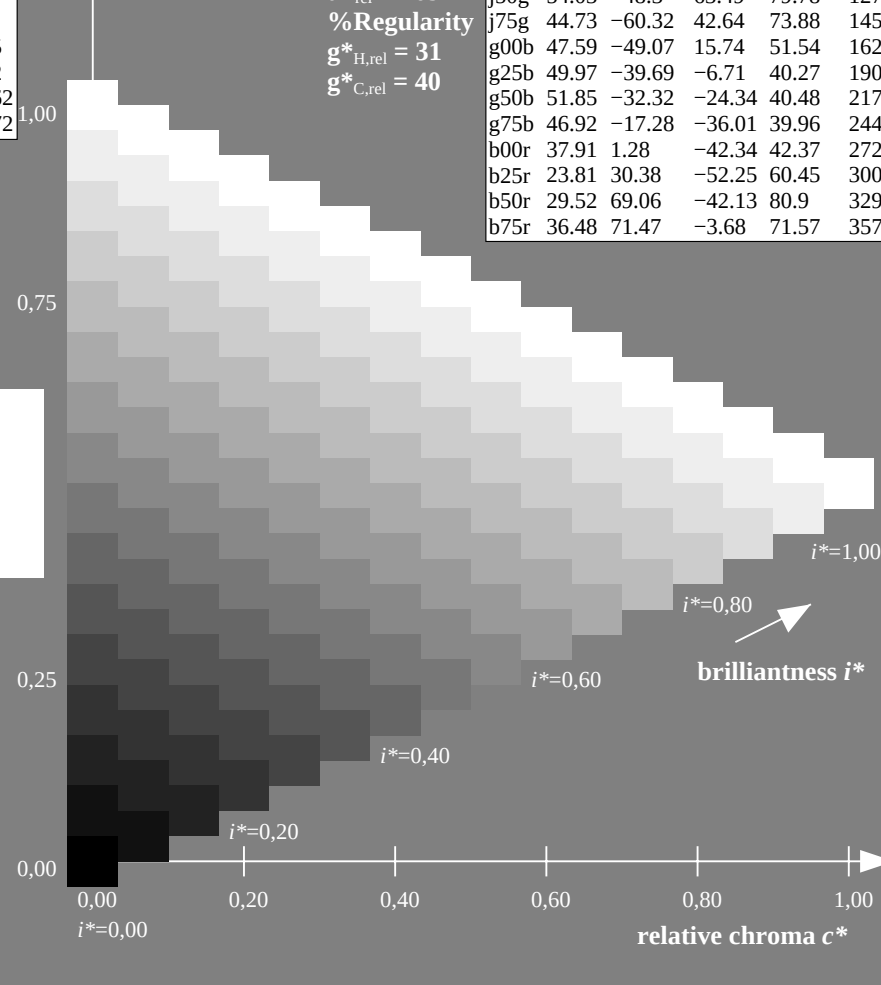
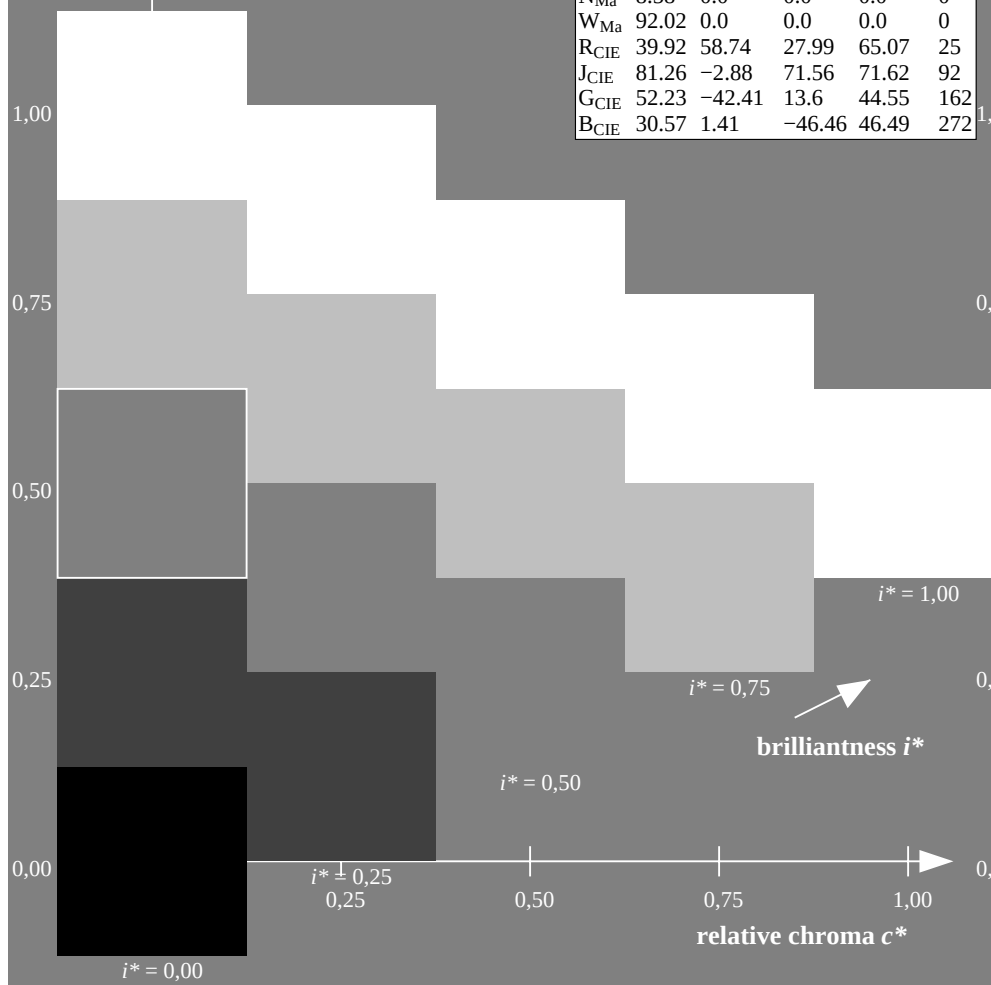
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

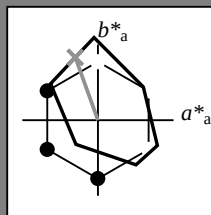
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -29 83

$LAB^*LCH^*_{Ma}$: 67 88 110

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

$lab^*olv^*_{Ma}$: 0.57 1.0 0.0

triangle lightness t^*

%Gamut

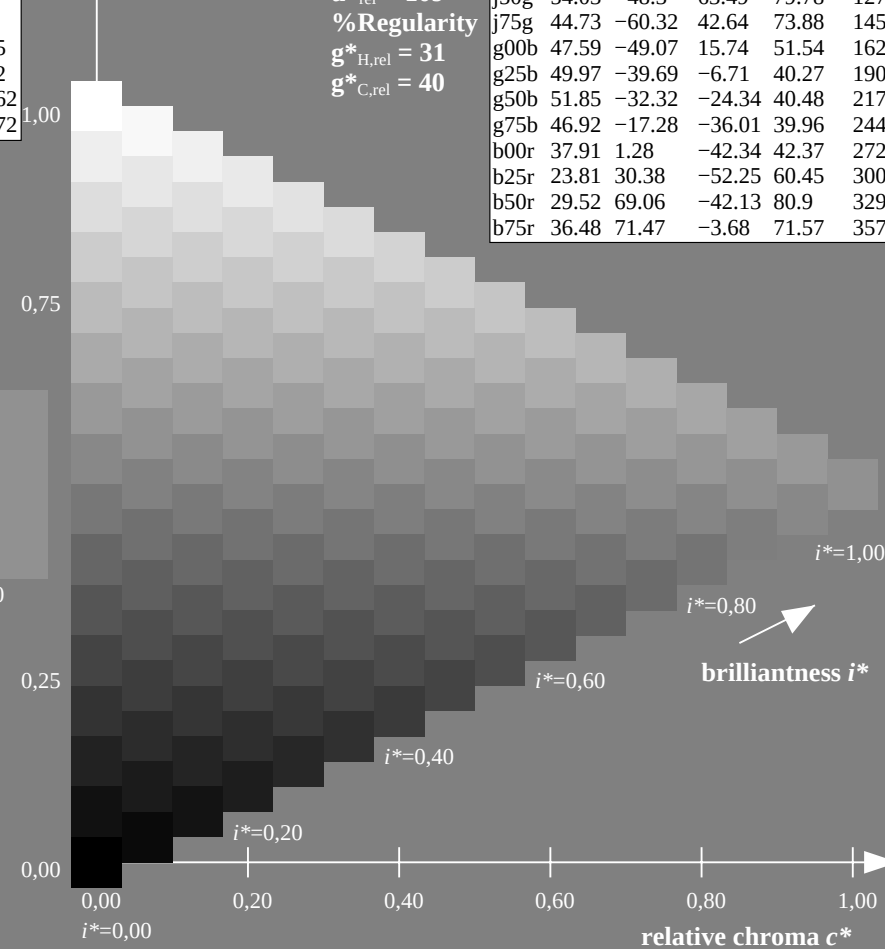
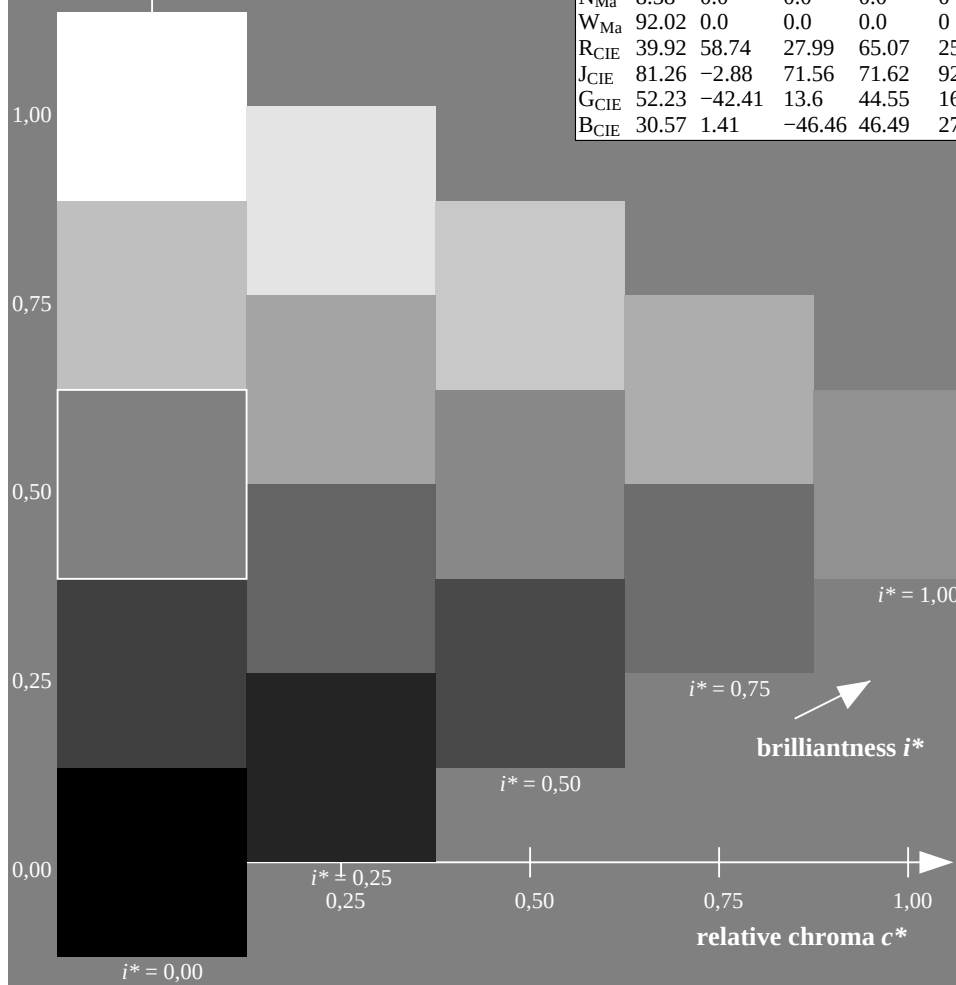
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

lab^*tch^* and lab^*icu^*

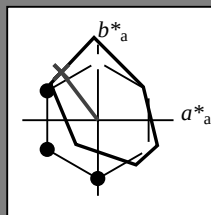
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -47 63

$LAB^*LCH^*_{Ma}$: 54 80 127

$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0

$lab^*olv^*_{Ma}$: 0.25 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

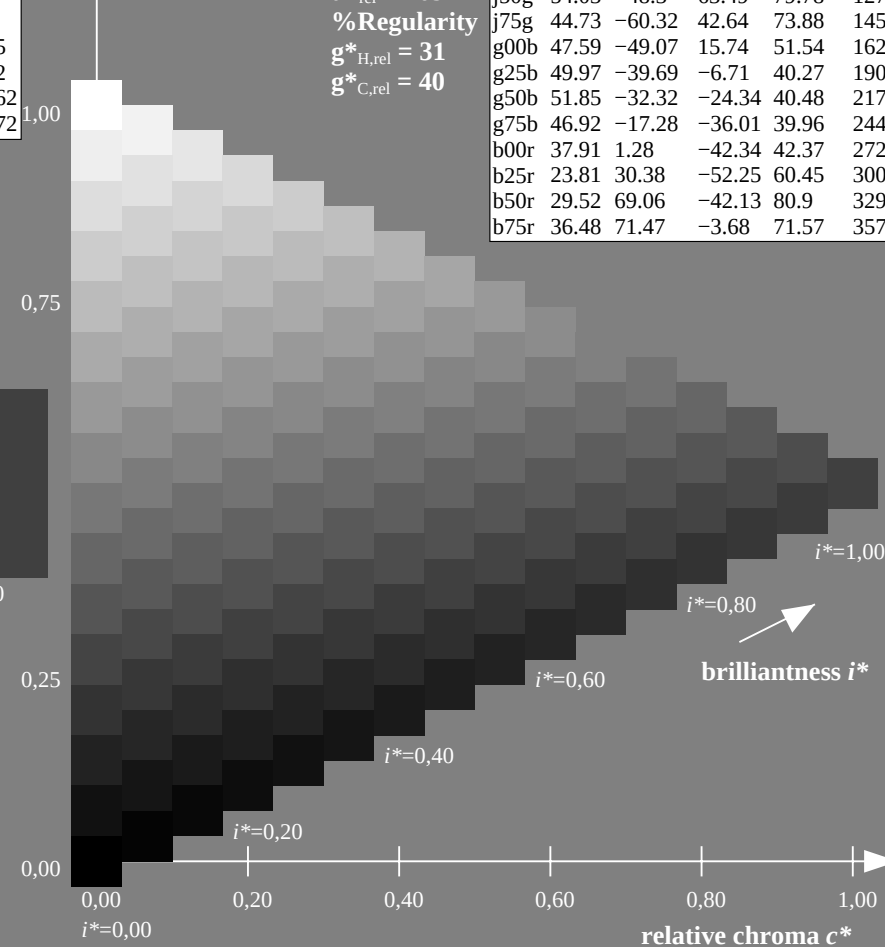
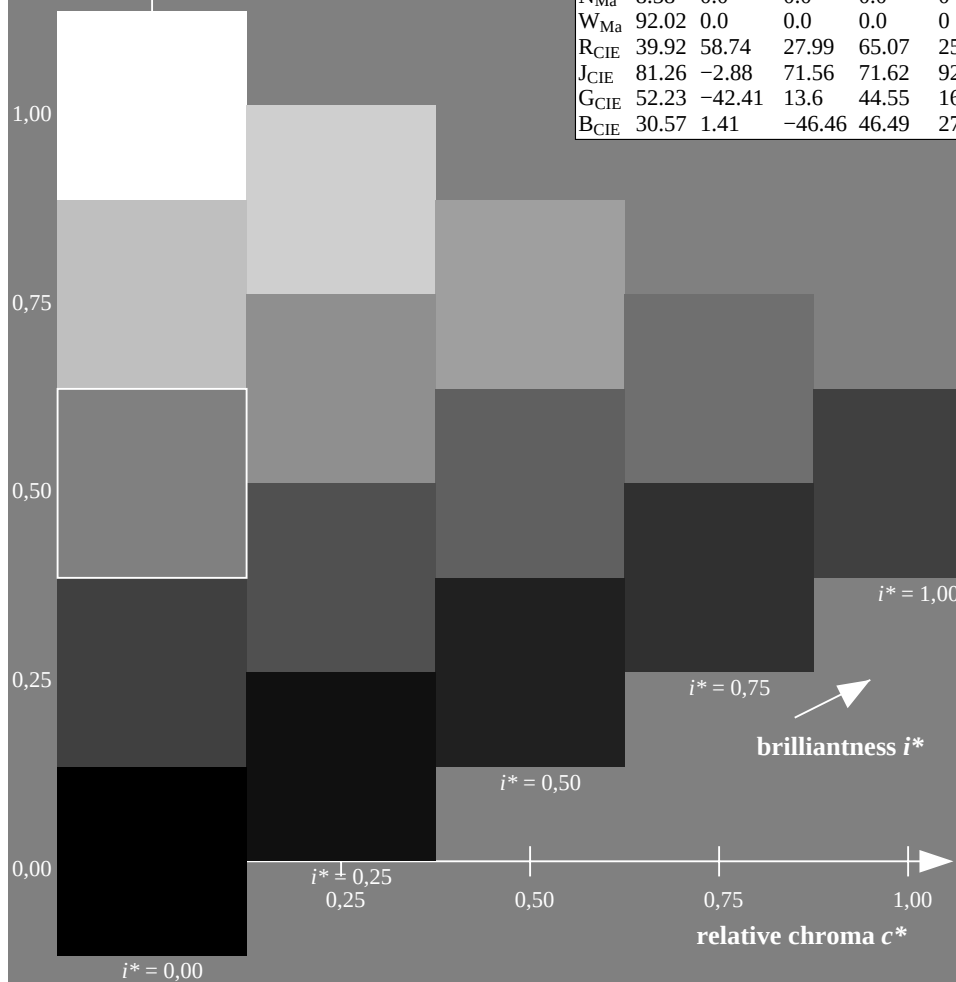
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



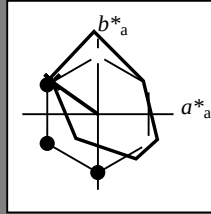
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 145/360 = 0.402$ data for any colour: Data for maximum colour (Ma):

*lab*tch** and *lab*icu**

elementary hue text:

$$u^* = j75g$$

contrast reduction factor:

 $c_R = 1.0$ triangle lightness t^* 

FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**_{Ma}: 45 -59 43

LAB*ICH*Ma: 45 74 145

LAB LCH Ma: 43 74 14
L L₀ L₀ 0.25 1.0 0.0

*lab*rgb**Ma: 0.25 1.0 0.0

*lab*olv**_{Ma}: 0.0 1.0 0.07

triangle lightness t^*

%Gamut

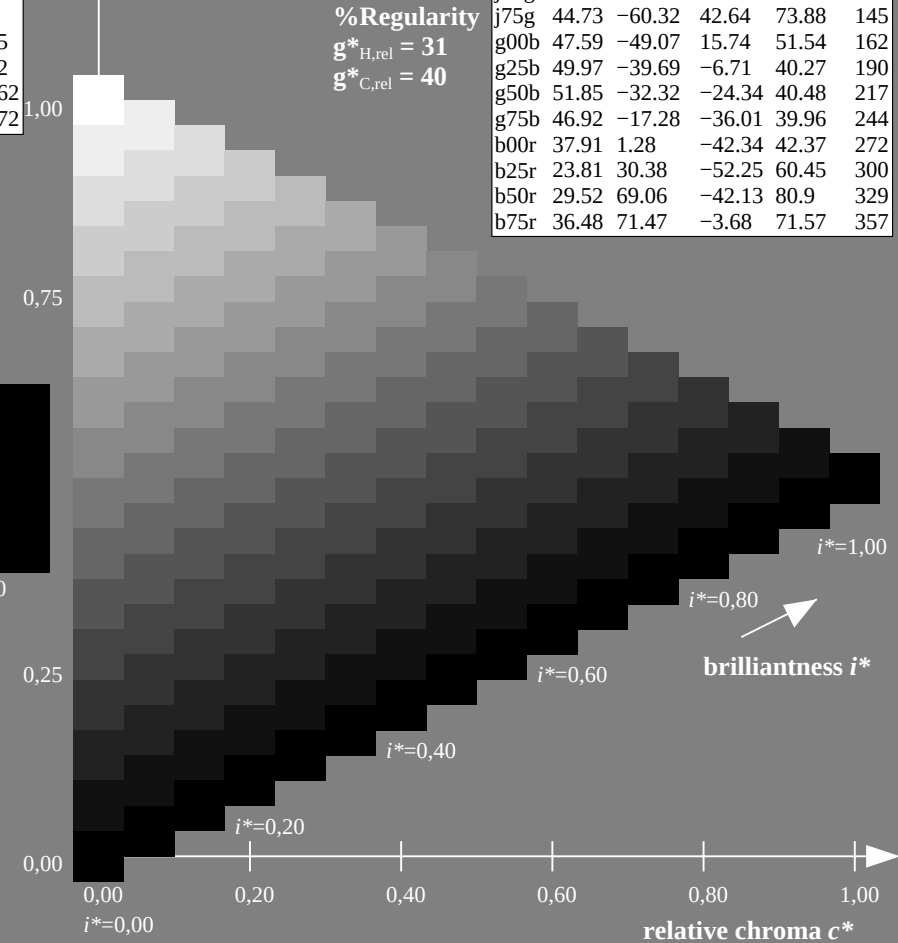
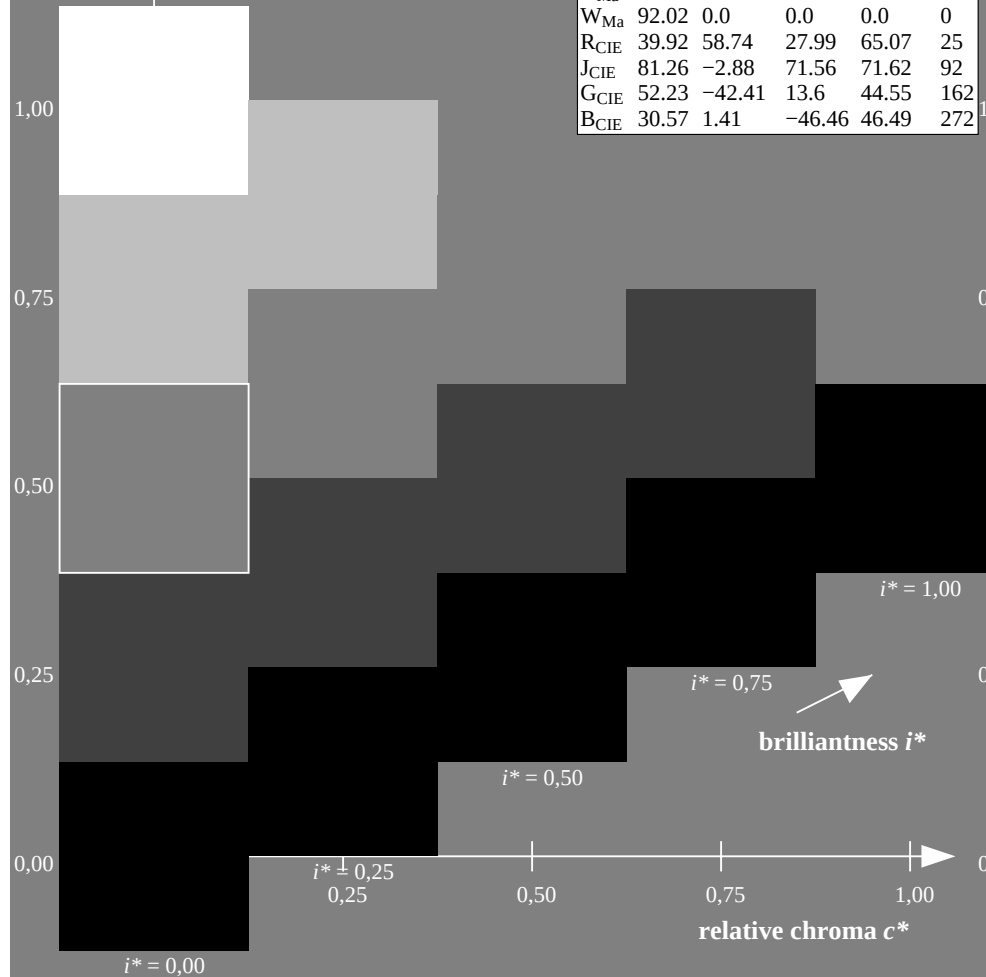
$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regularity

$$g^*_{H,rel} = 31$$
$$g^*_{C,rel} = 40$$

FRS09_92a; adapted (a) CIELAB data

	$L^* = L^*_a$	d^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



BAM-test chart De70; Colorimetric systems, Page 45/90
colour scales and 3 separations for 16 hues *r00j* to *b75r*

input: 000n / w / nnn0 / www set...

output: $\rightarrow$ *cmyn5* setcmykcolor*

BAM registration: 20080701-De70/10L/L70E00NA.PS/.TXT BAM material: code=rh4ta4
application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

See for similar files: <http://www.ps.bam.de/De70/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

Version 2.1, io=1,1, ColSpx=0

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

lab^*tch^* and lab^*icu^*

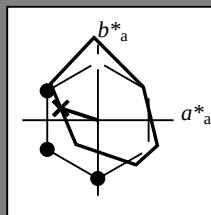
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -48 16

$LAB^*LCH^*_{Ma}$: 48 52 162

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.41

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

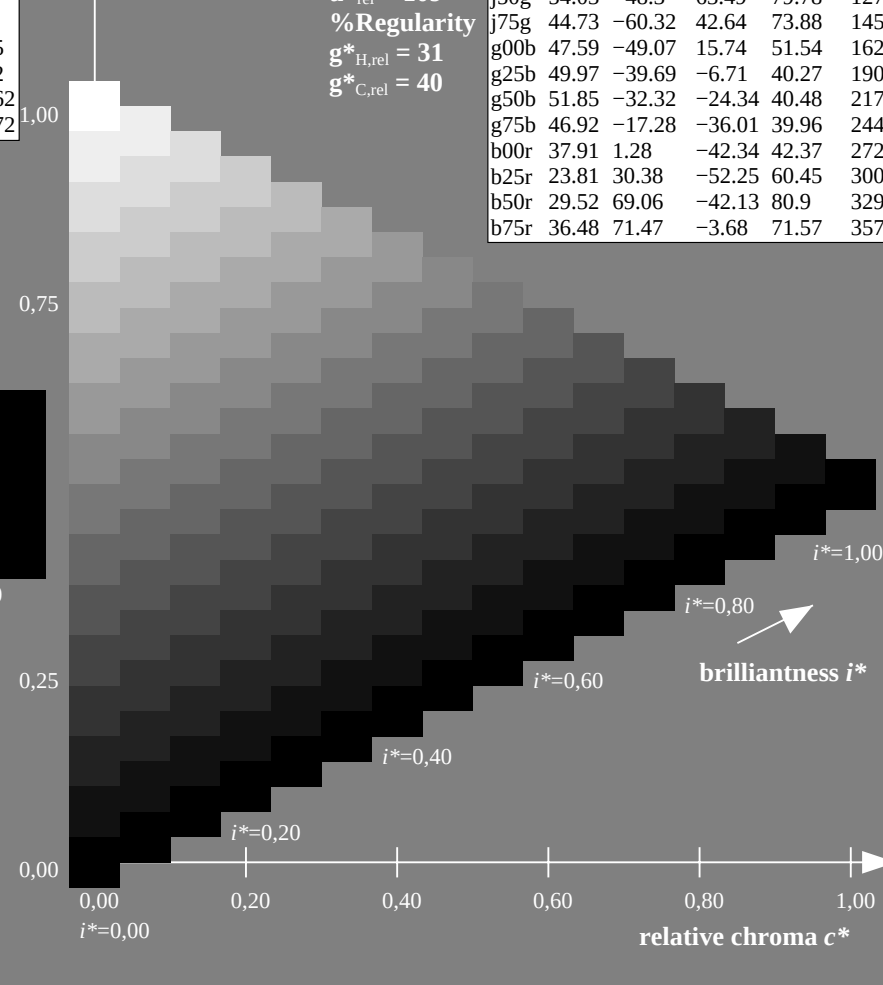
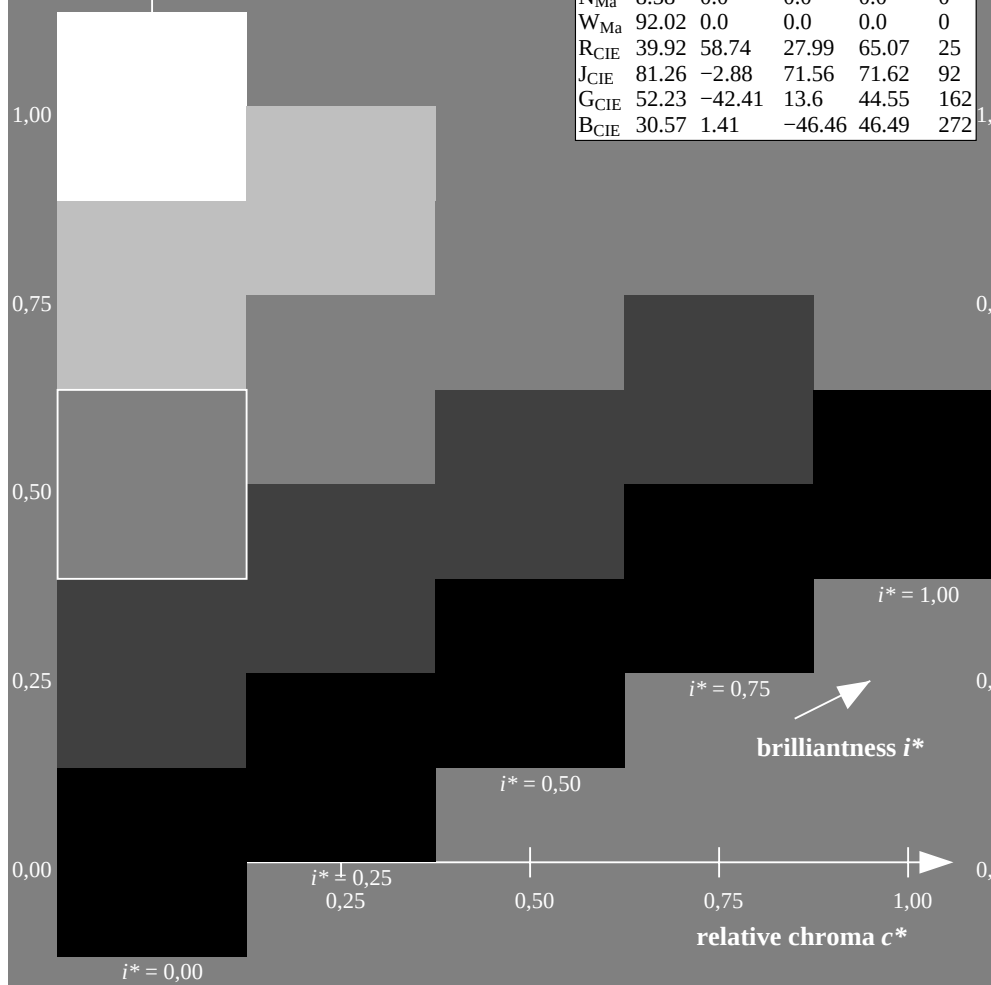
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

lab^*tch^* and lab^*icu^*

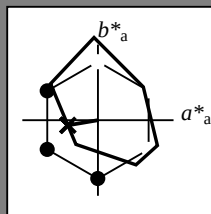
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -39 -6

$LAB^*LCH^*_{Ma}$: 50 40 190

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5

$lab^*olv^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

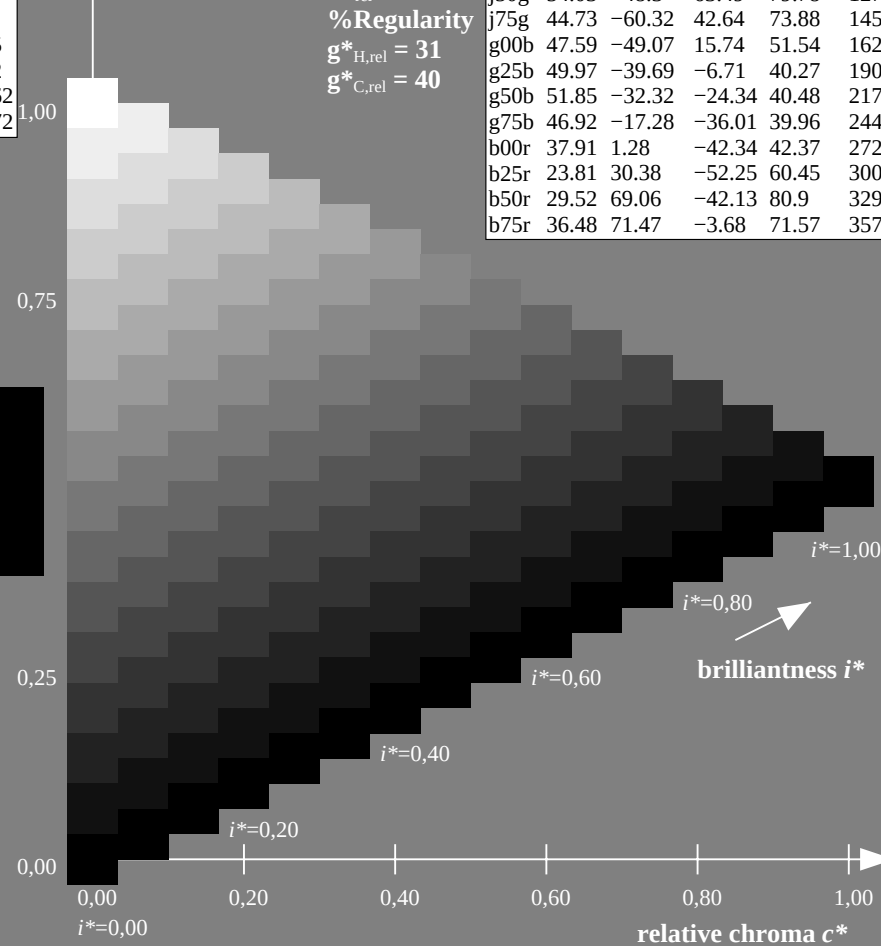
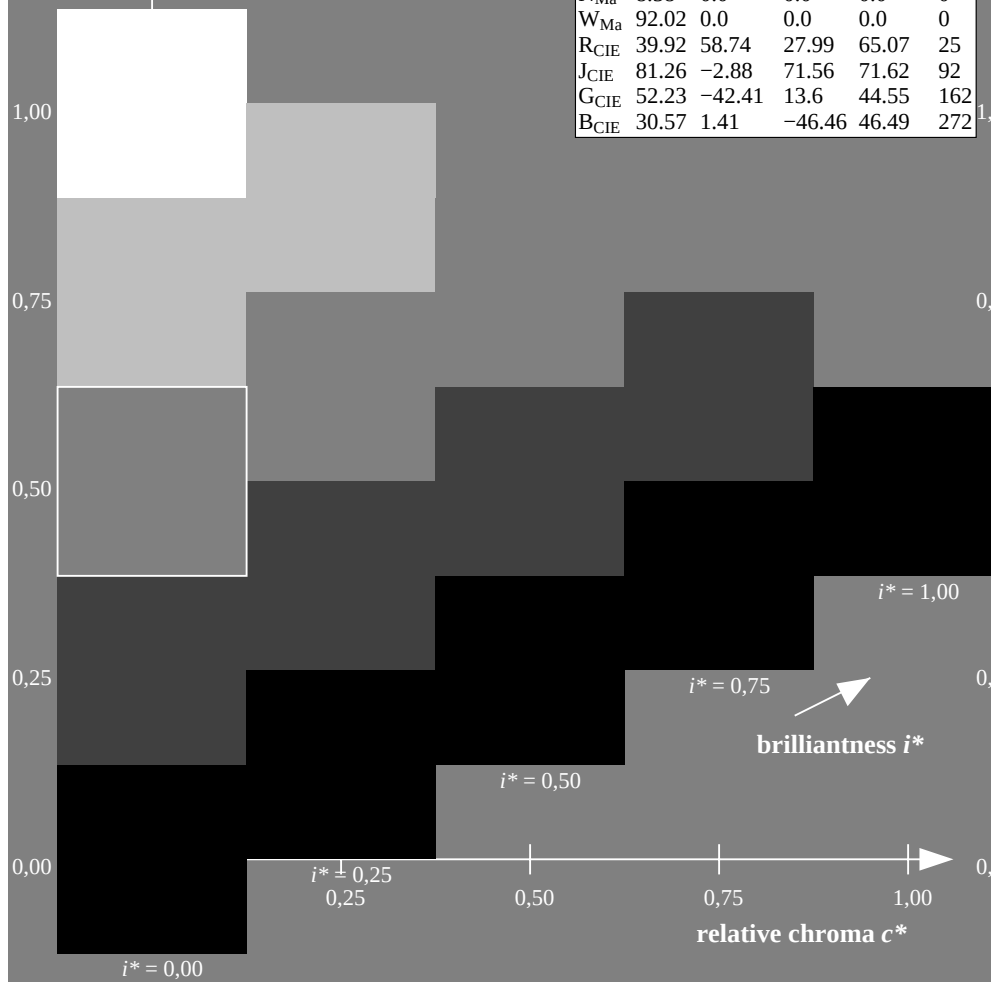
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

lab^*tch^* and lab^*icu^*

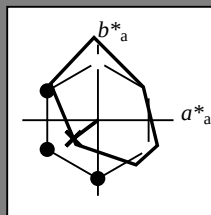
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -31 -23

$LAB^*LCH^*_{Ma}$: 52 40 217

$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.9

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

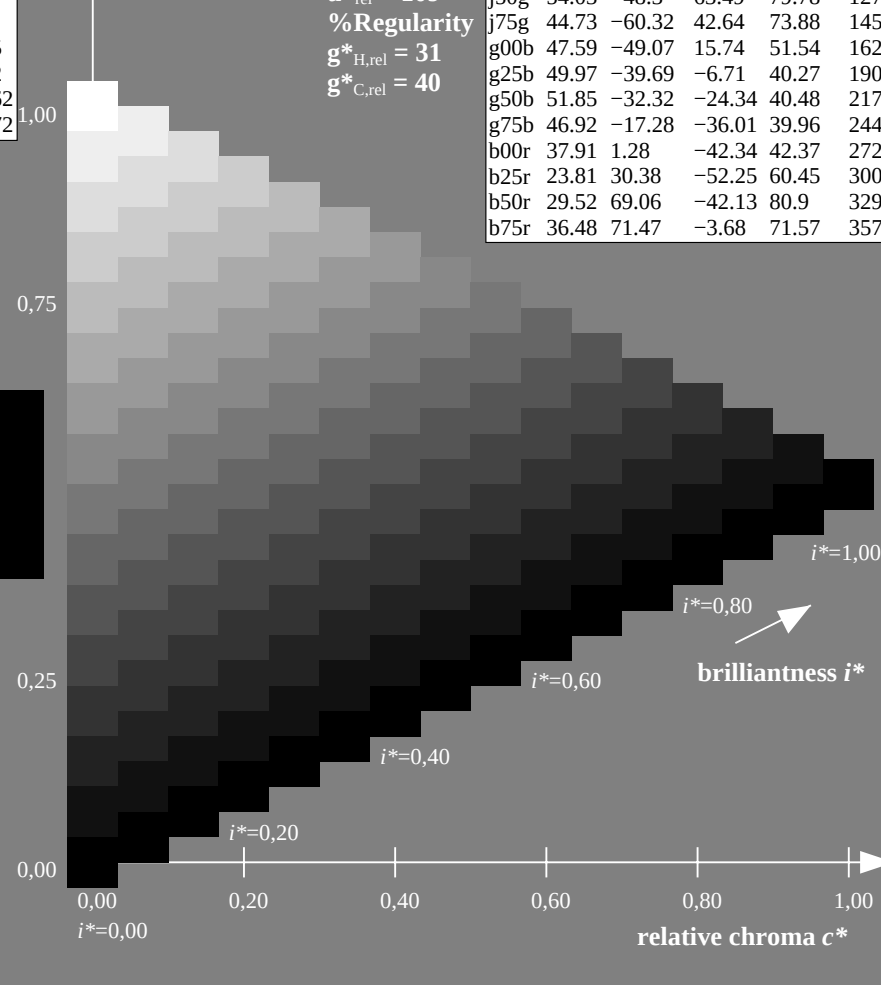
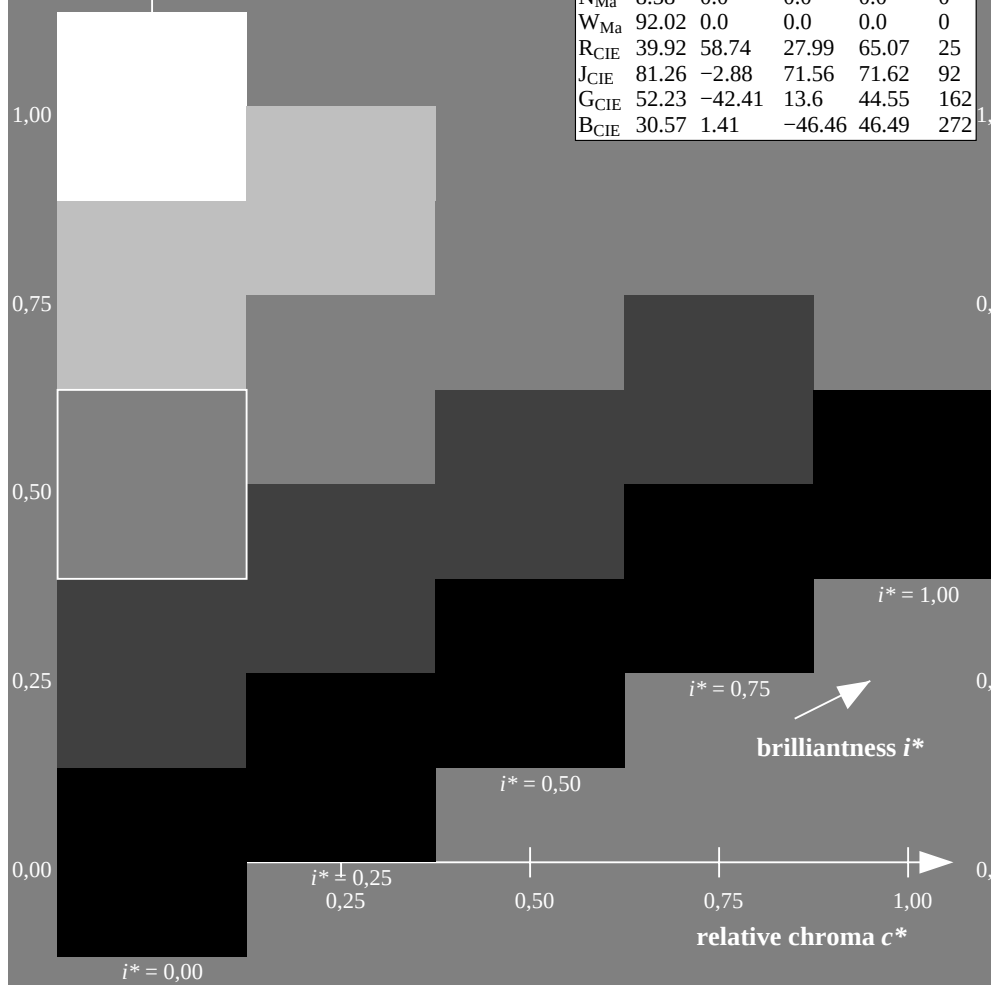
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

lab^*tch^* and lab^*icu^*

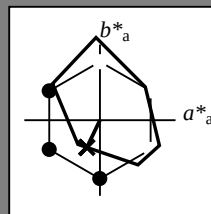
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -16 -35

$LAB^*LCH^*_{Ma}$: 47 40 244

$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0

$lab^*olv^*_{Ma}$: 0.0 0.85 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

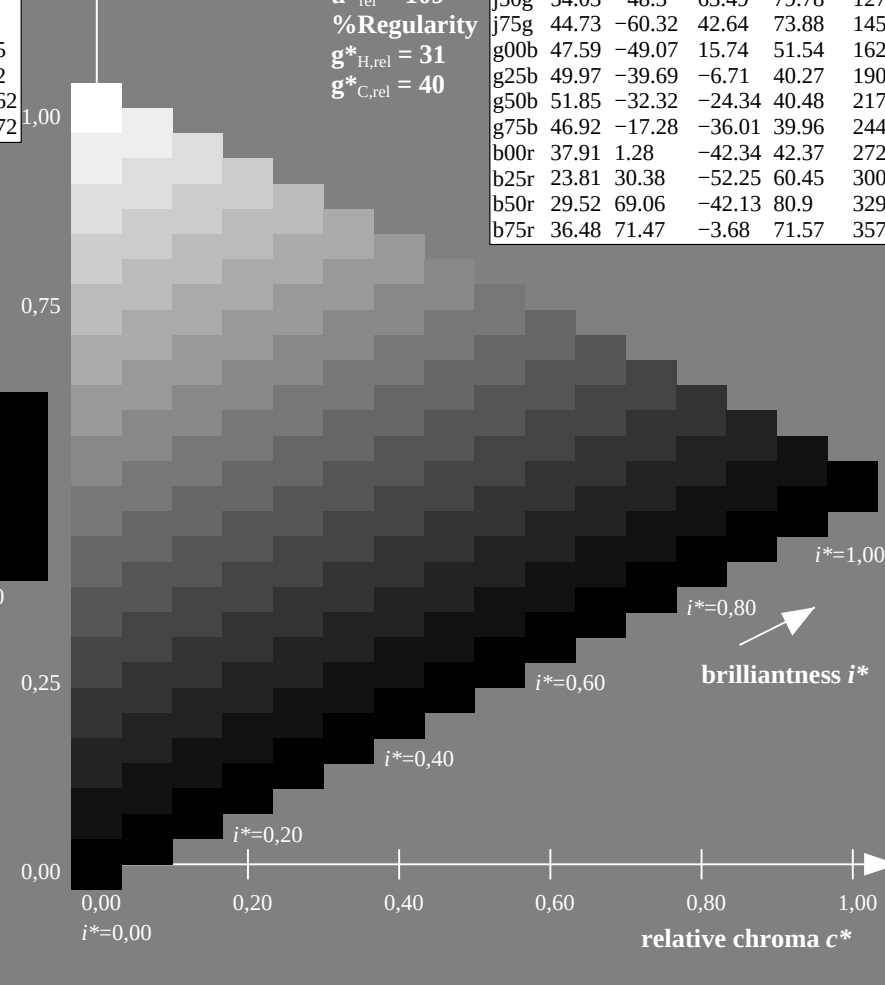
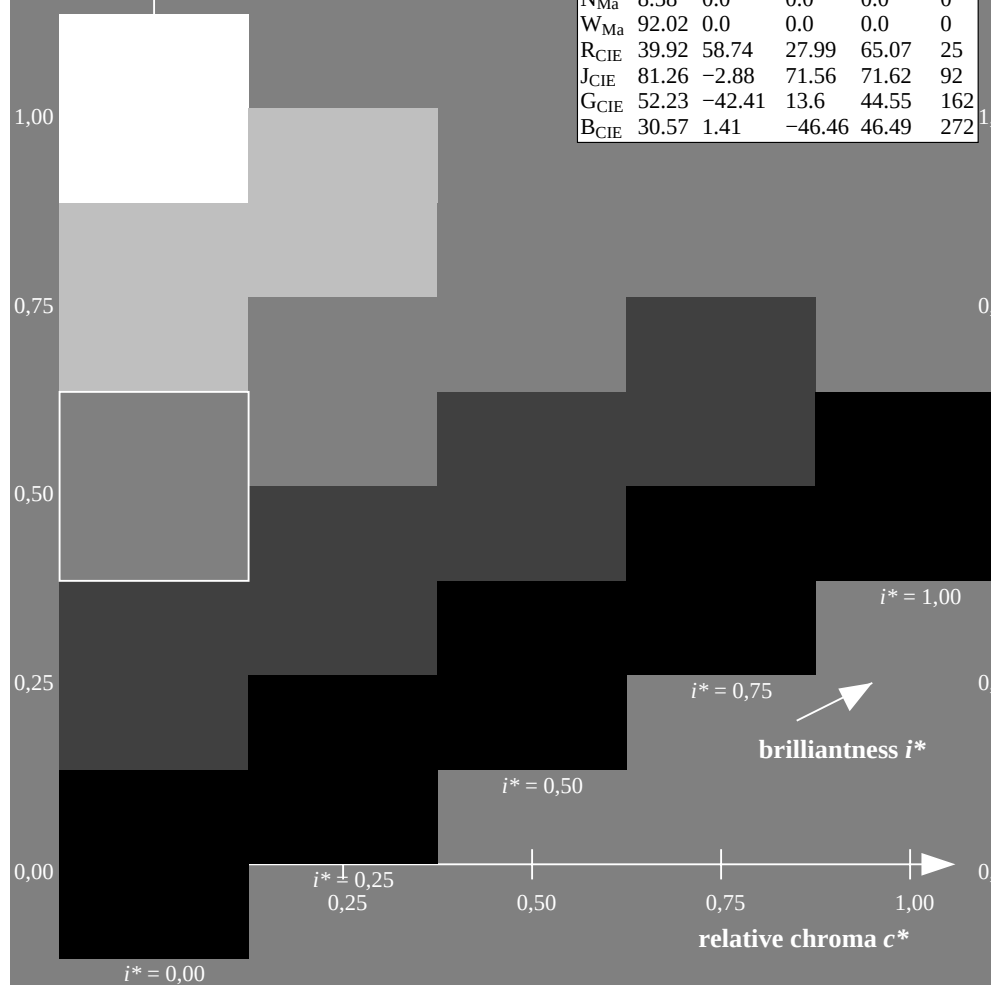
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

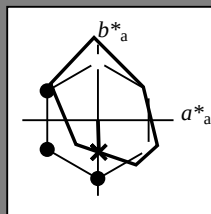
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -41

$LAB^*LCH^*_{Ma}$: 38 42 272

$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

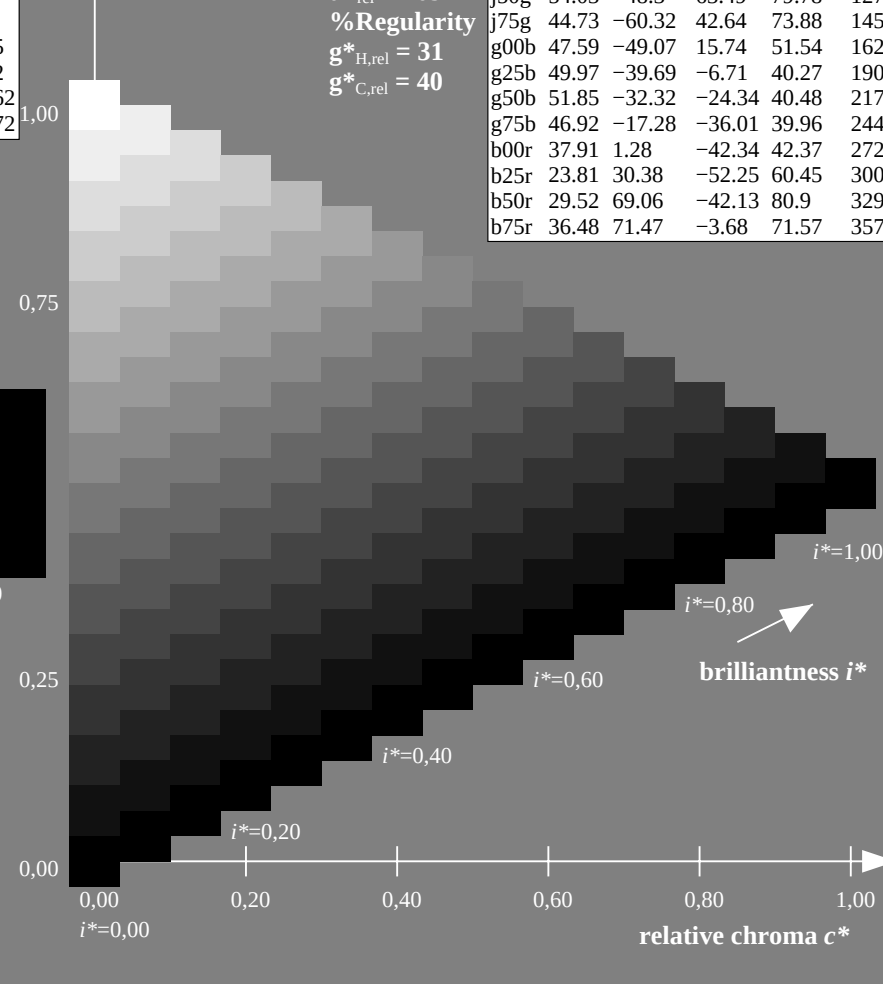
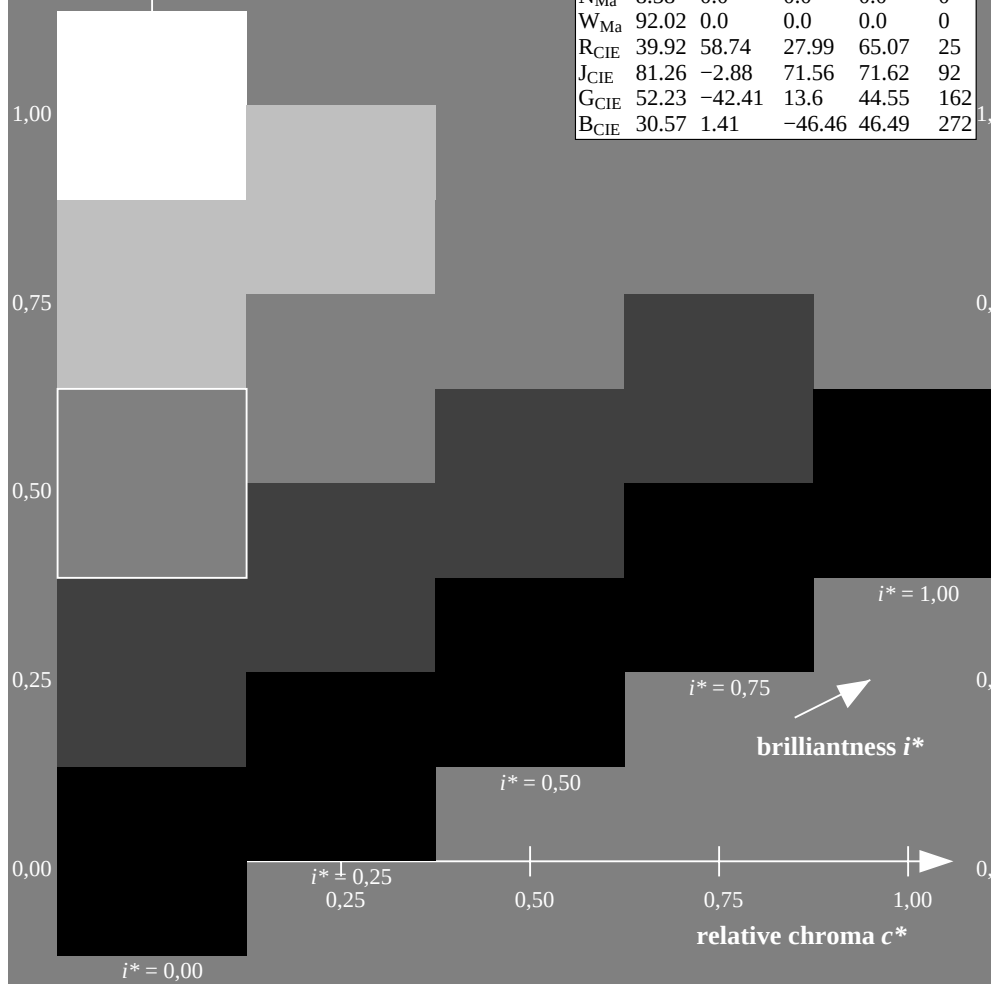
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

lab^*tch^* and lab^*icu^*

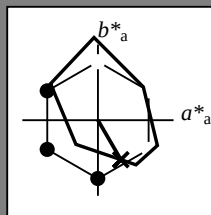
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -51

$LAB^*LCH^*_{Ma}$: 24 60 300

$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.25 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

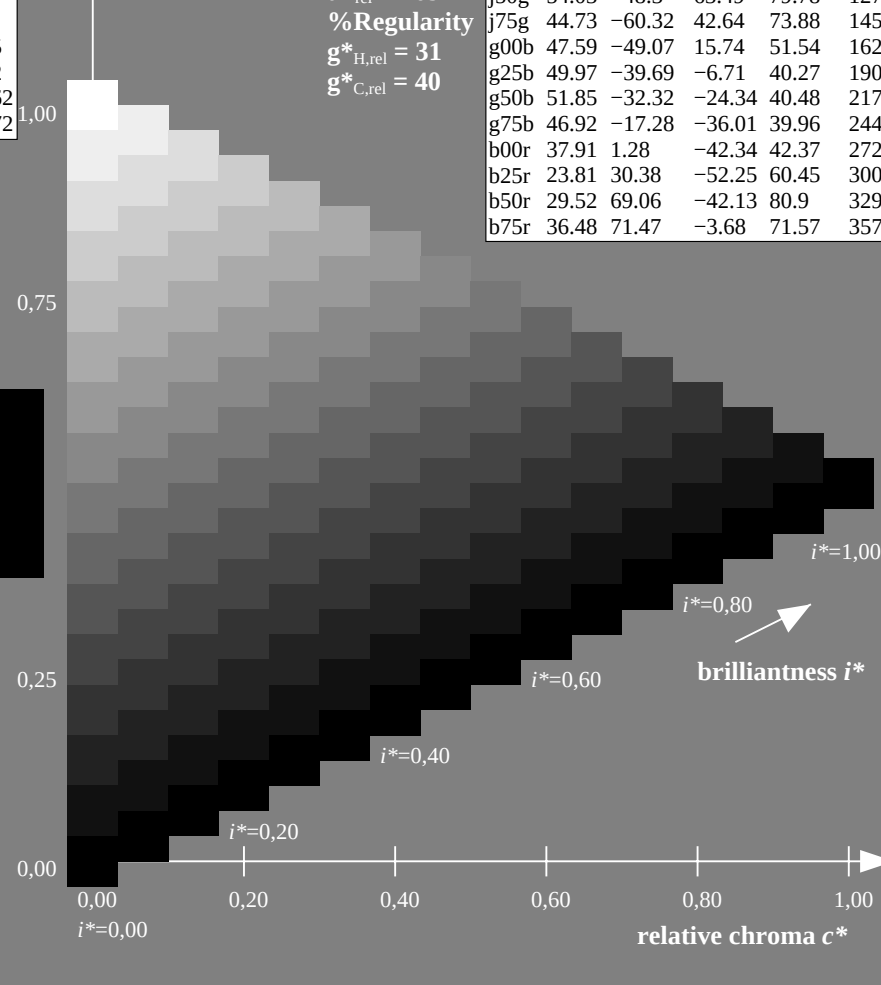
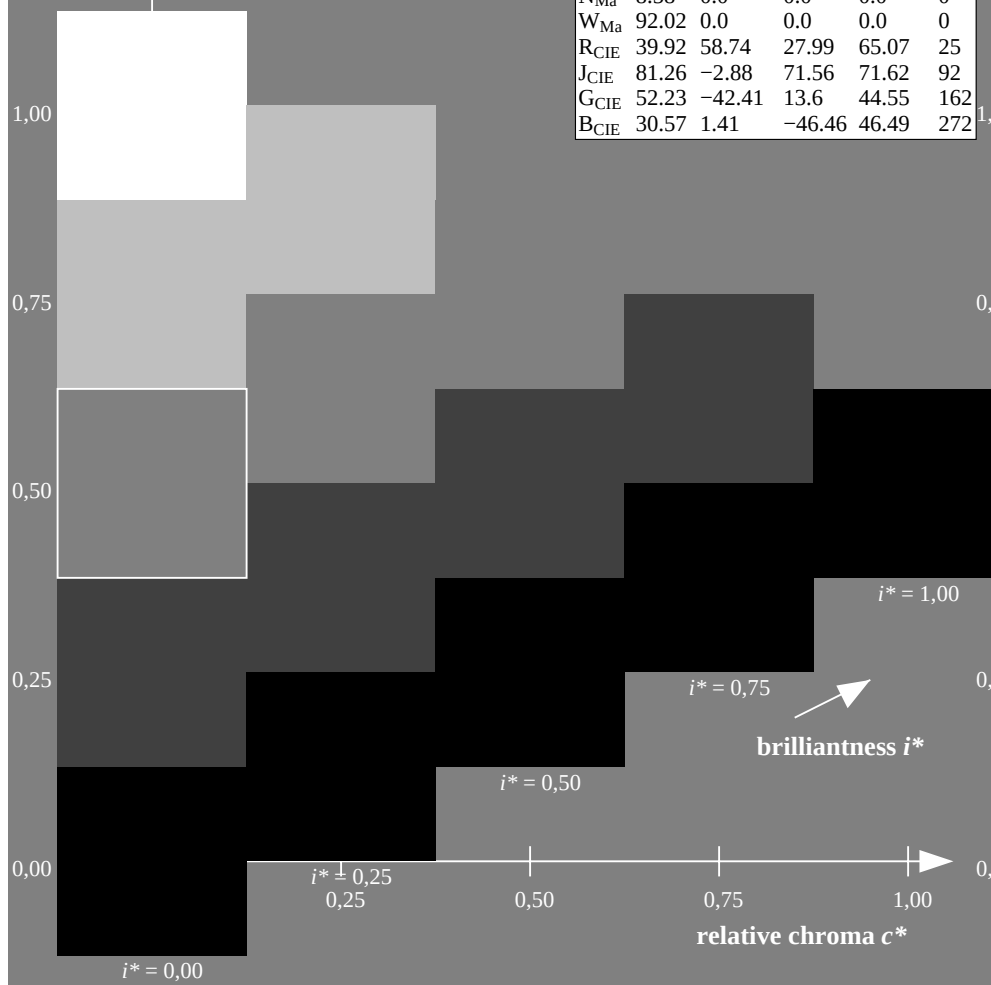
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

lab^*tch^* and lab^*icu^*

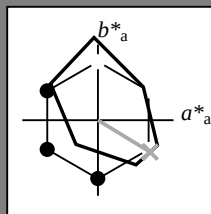
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -41

$LAB^*LCH^*_{Ma}$: 30 81 329

$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.66 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

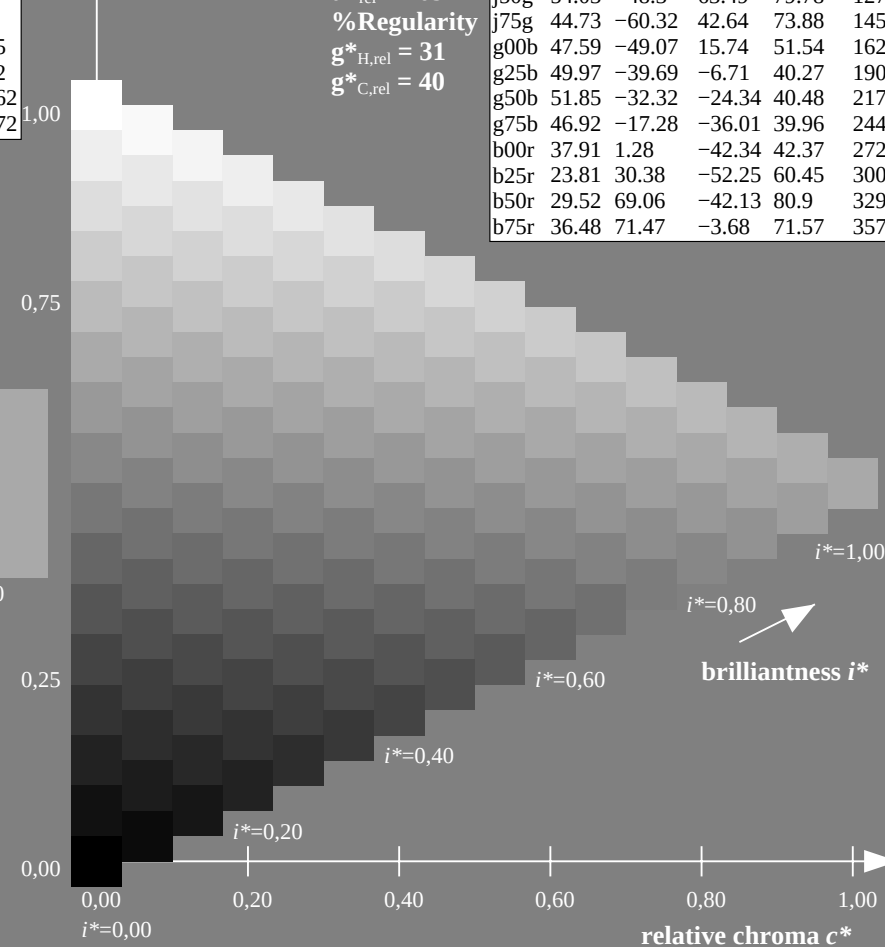
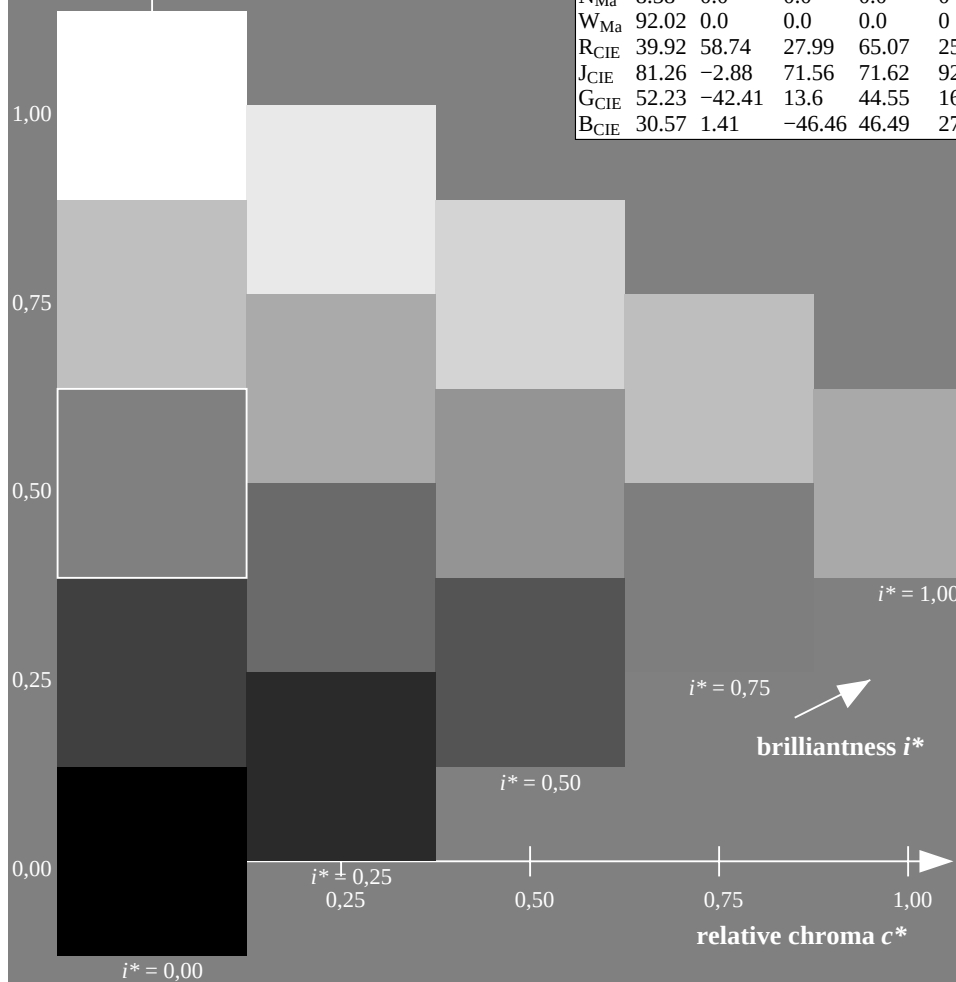
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

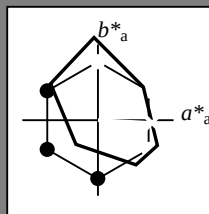
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -3

$LAB^*LCH^*_{Ma}$: 36 72 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.62

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

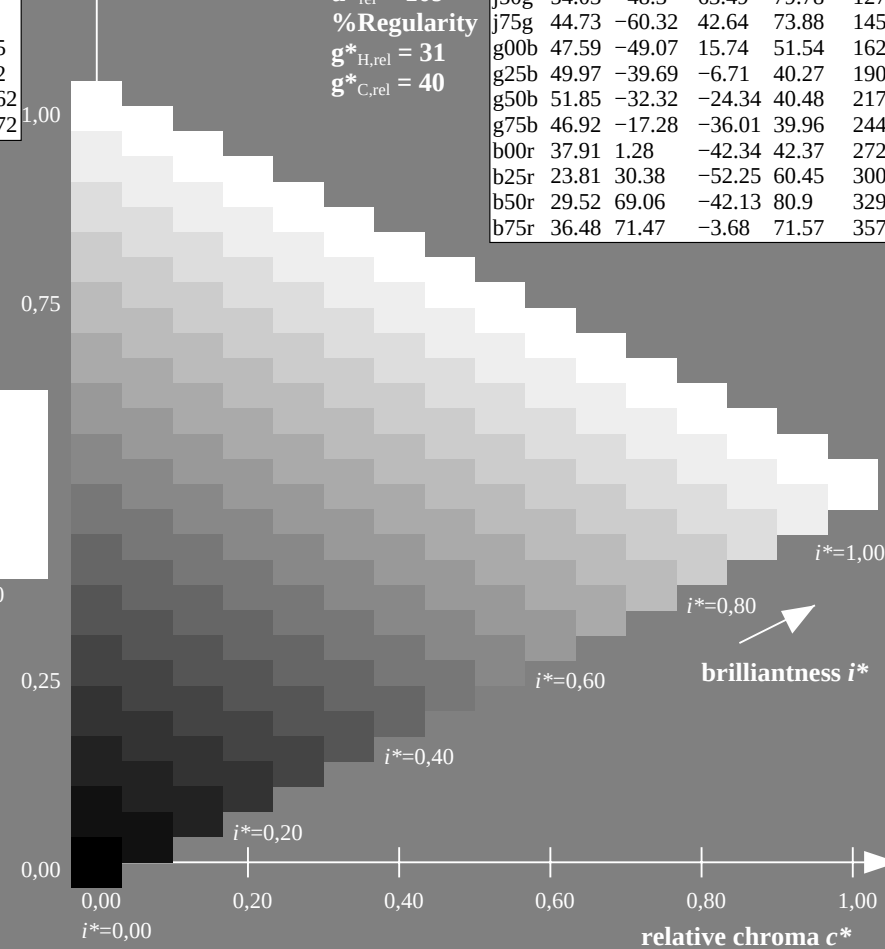
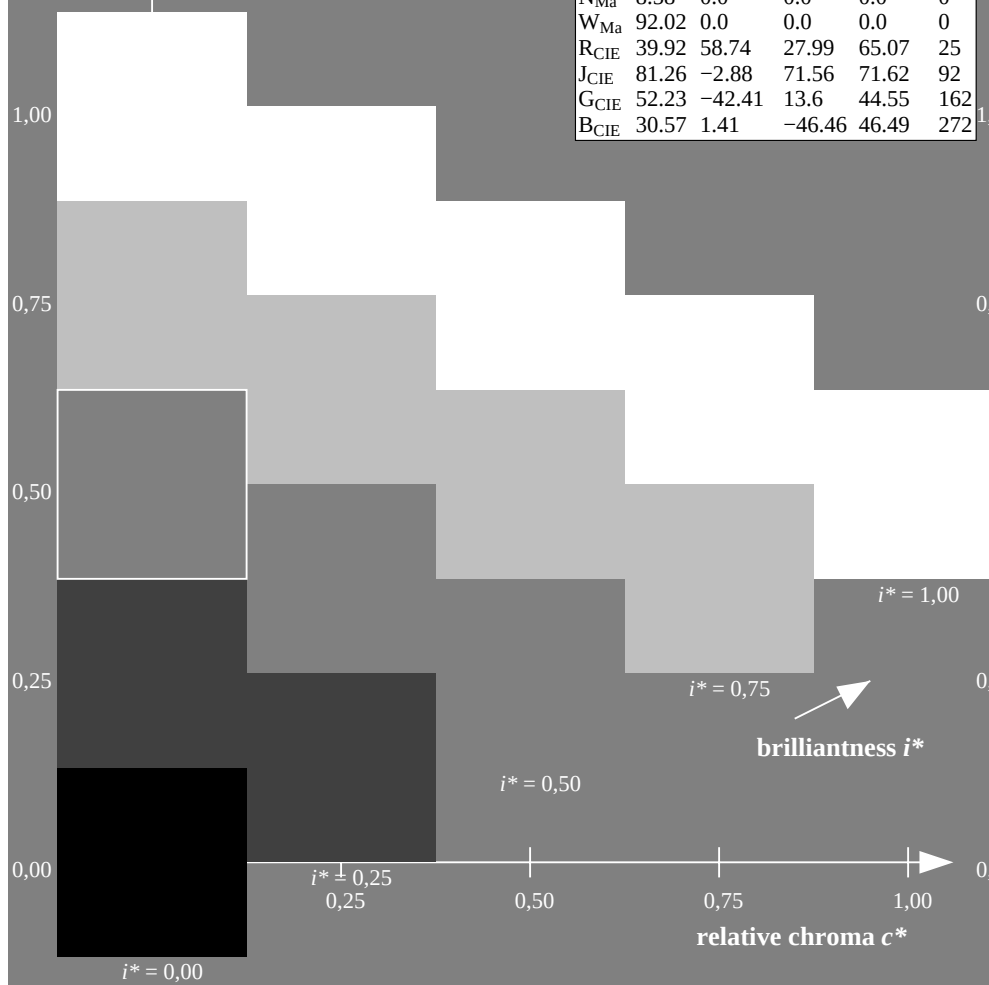
%Regularity

$g^*_{H,rel} = 31$

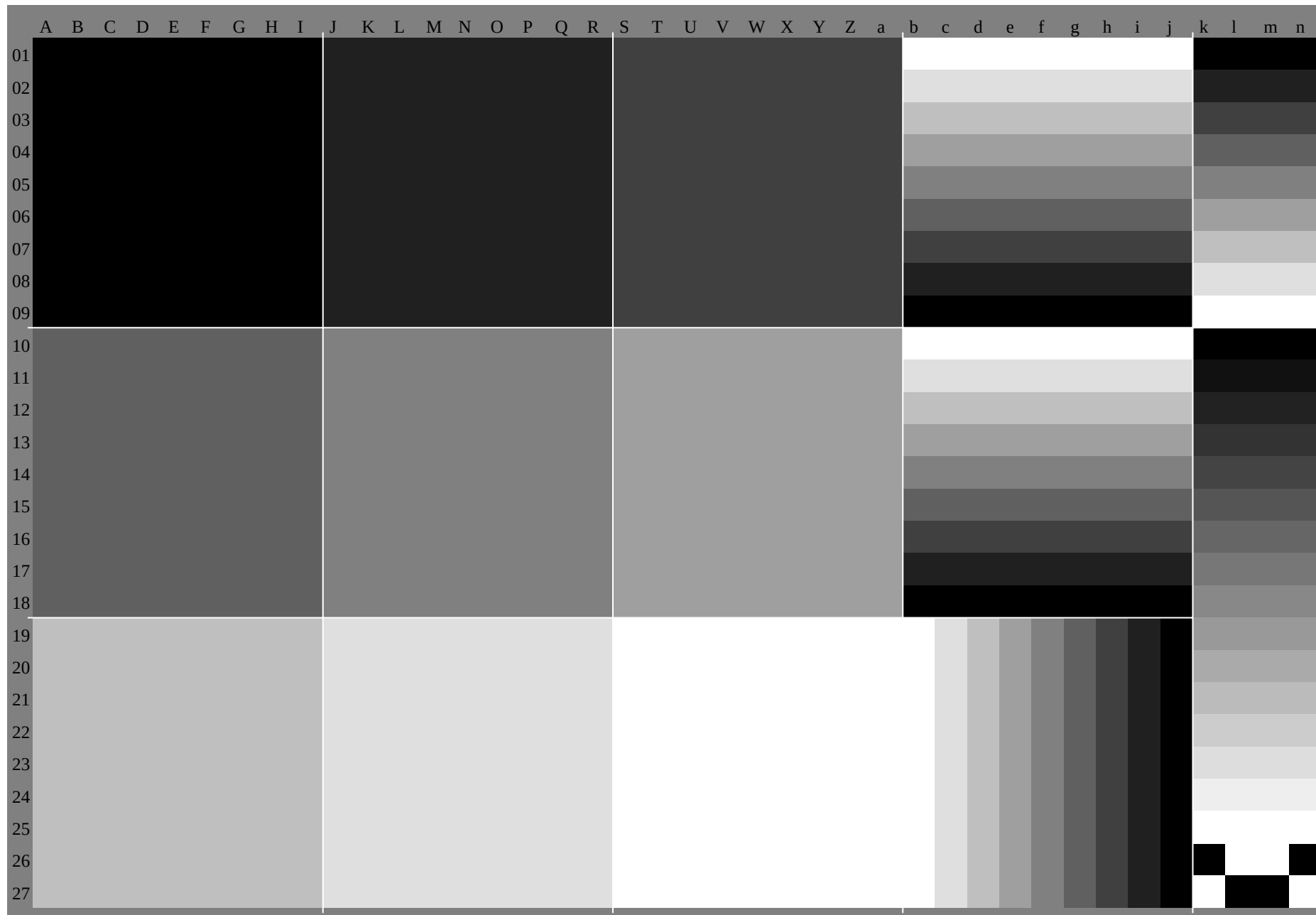
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



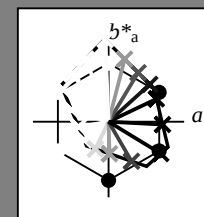
BAM registration: 20080701-De70/10L/L70E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems



See for similar files: <http://www.ps.bam.de/De70/>; www.ps.bam.de/De70/10L/L70E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

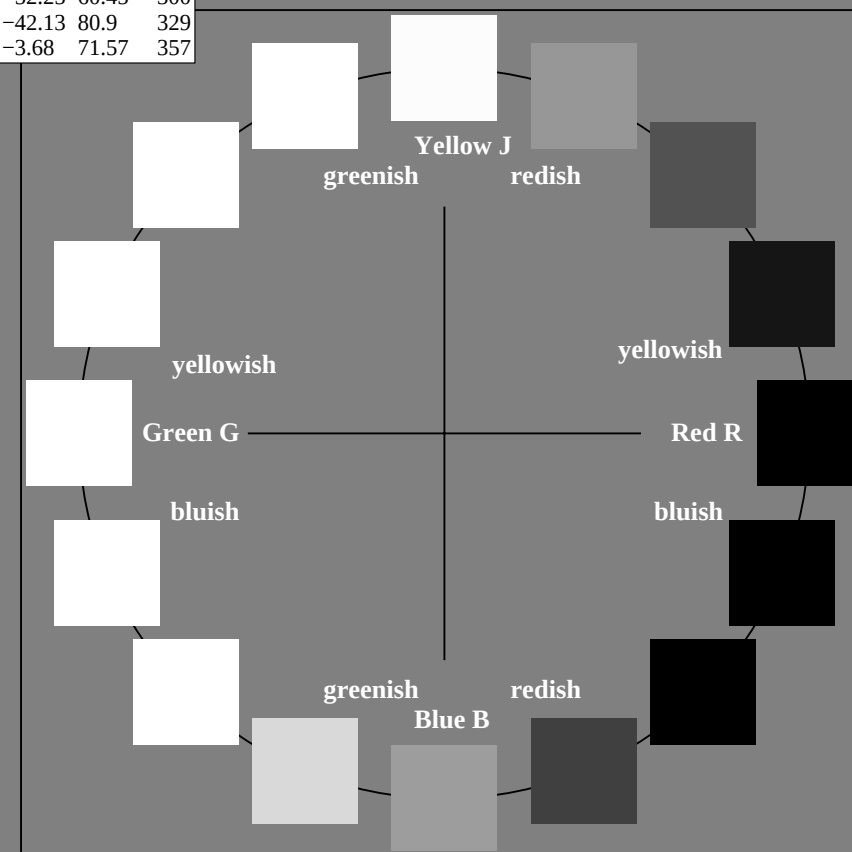
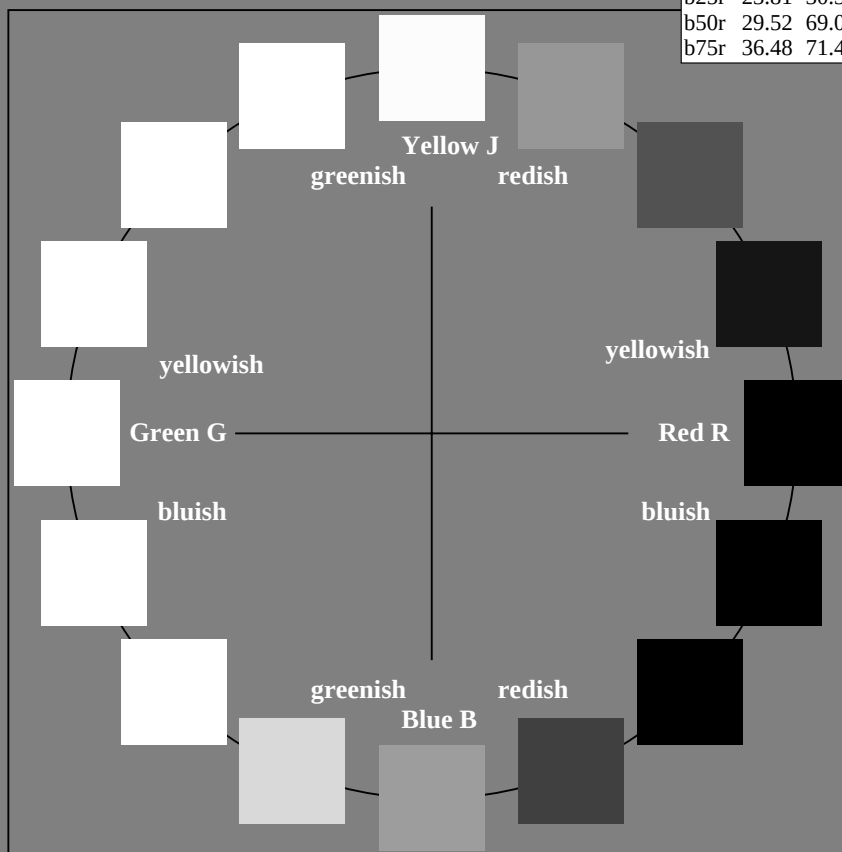
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



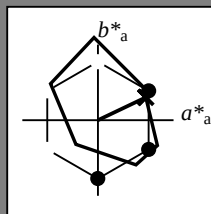
%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$
data for any colour:

lab^*tch^* and lab^*icu^*
elementary hue text:
 $u^* = r00j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

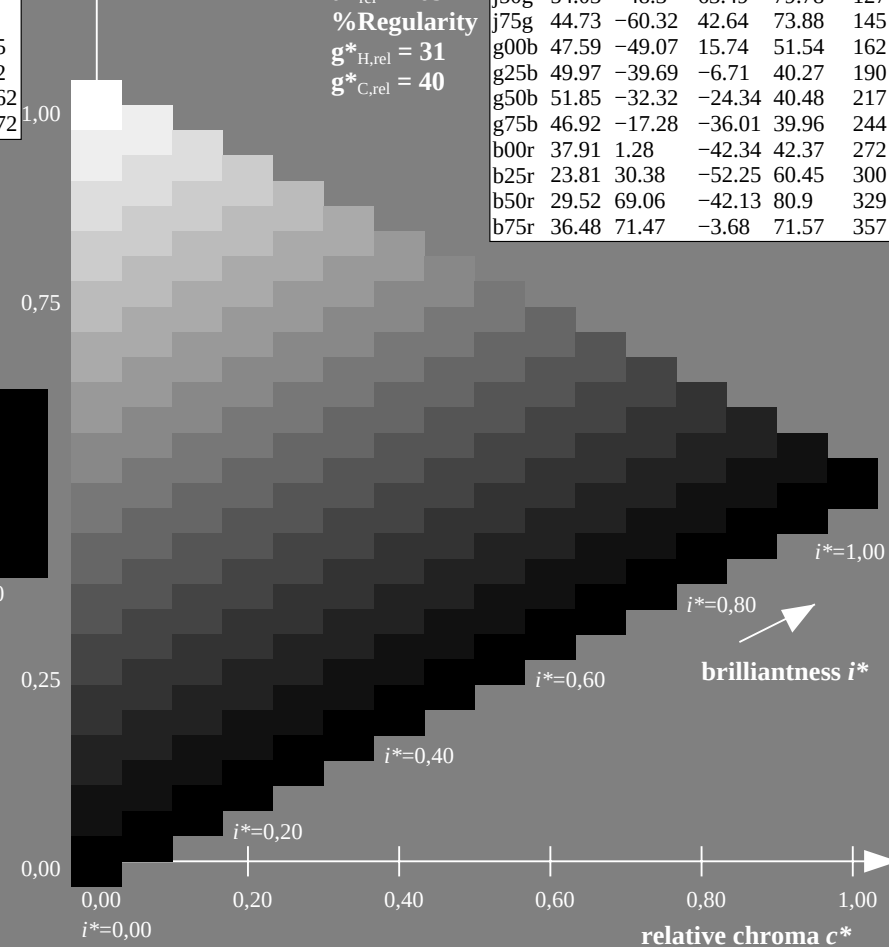
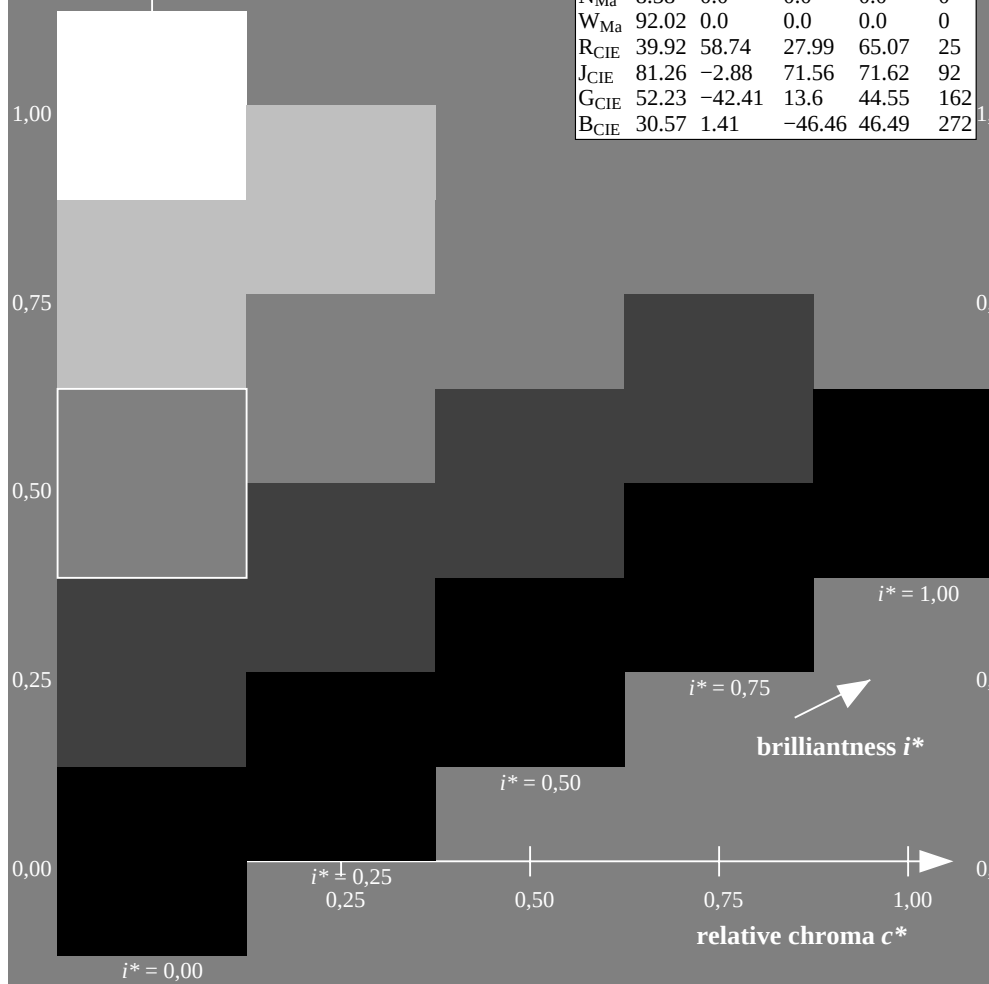
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

lab^*tch^* and lab^*icu^*

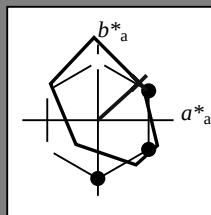
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.08 0.0

triangle lightness t^*

%Gamut

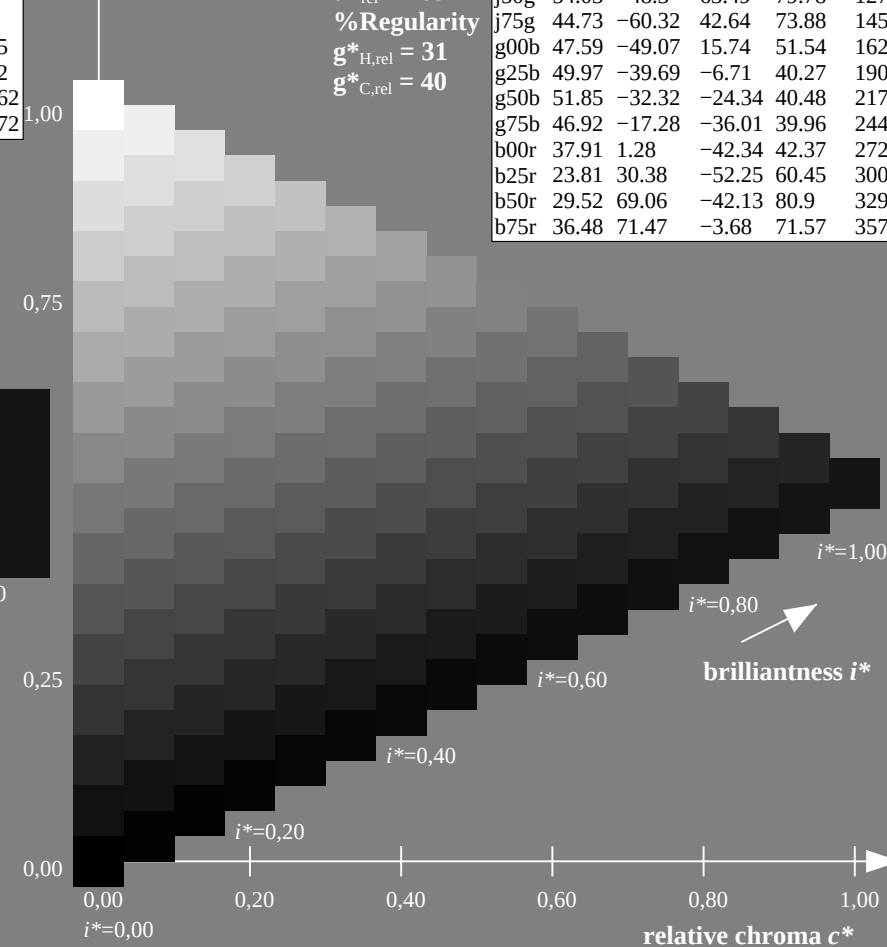
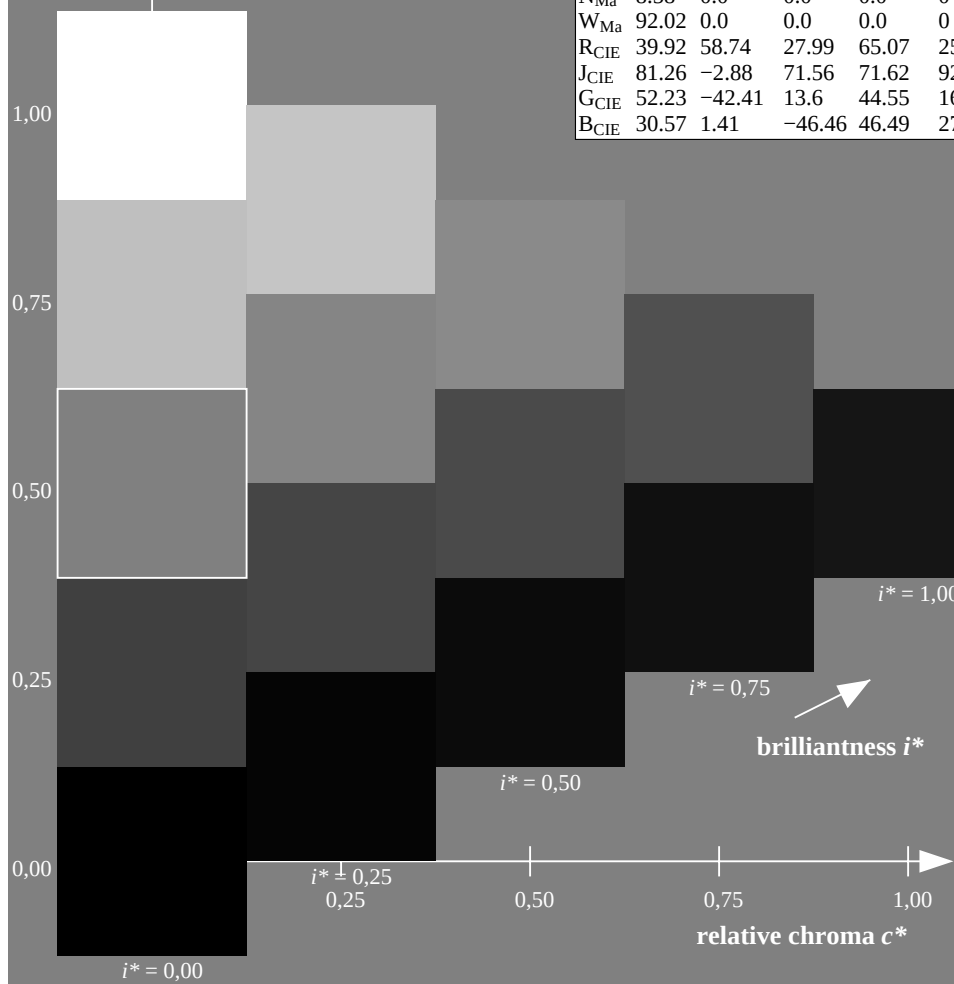
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

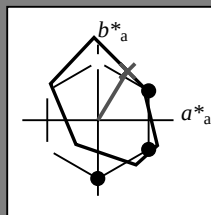
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 59

$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0

$lab^*olv^*_{Ma}$: 1.0 0.32 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

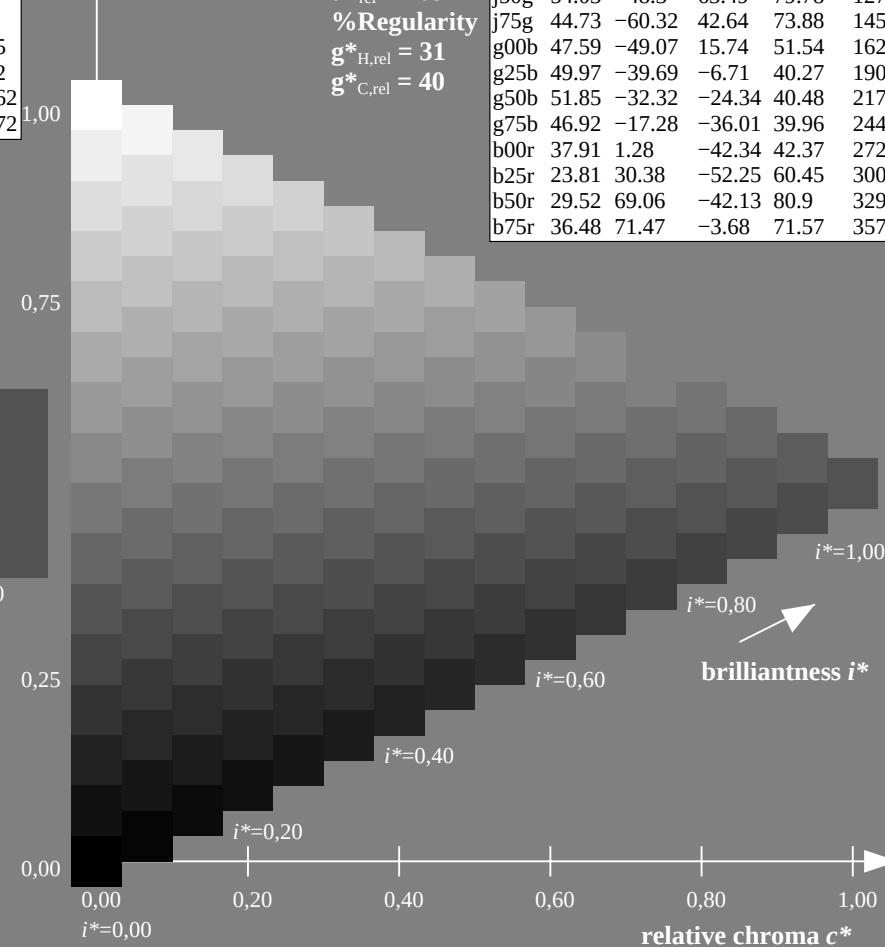
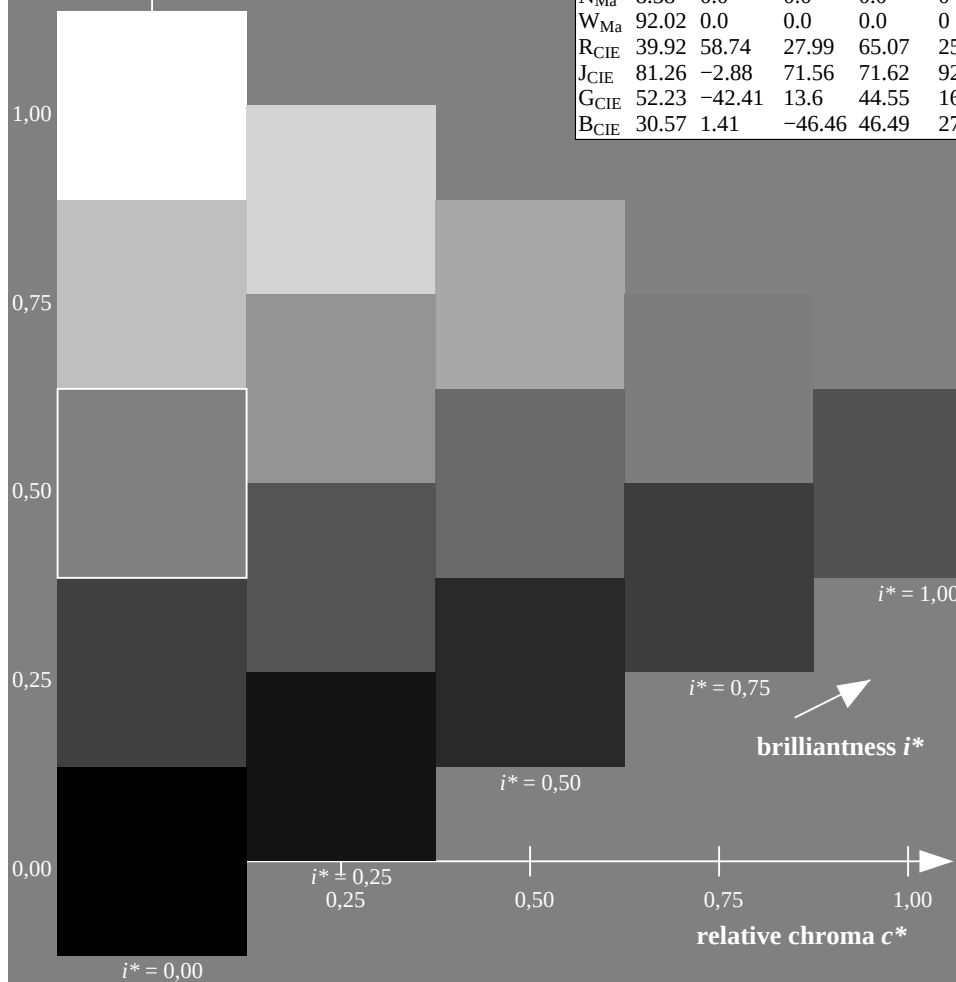
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

lab^*tch^* and lab^*icu^*

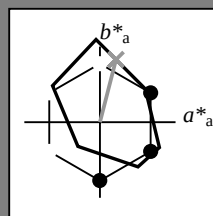
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 76

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.59 0.0

triangle lightness t^*

%Gamut

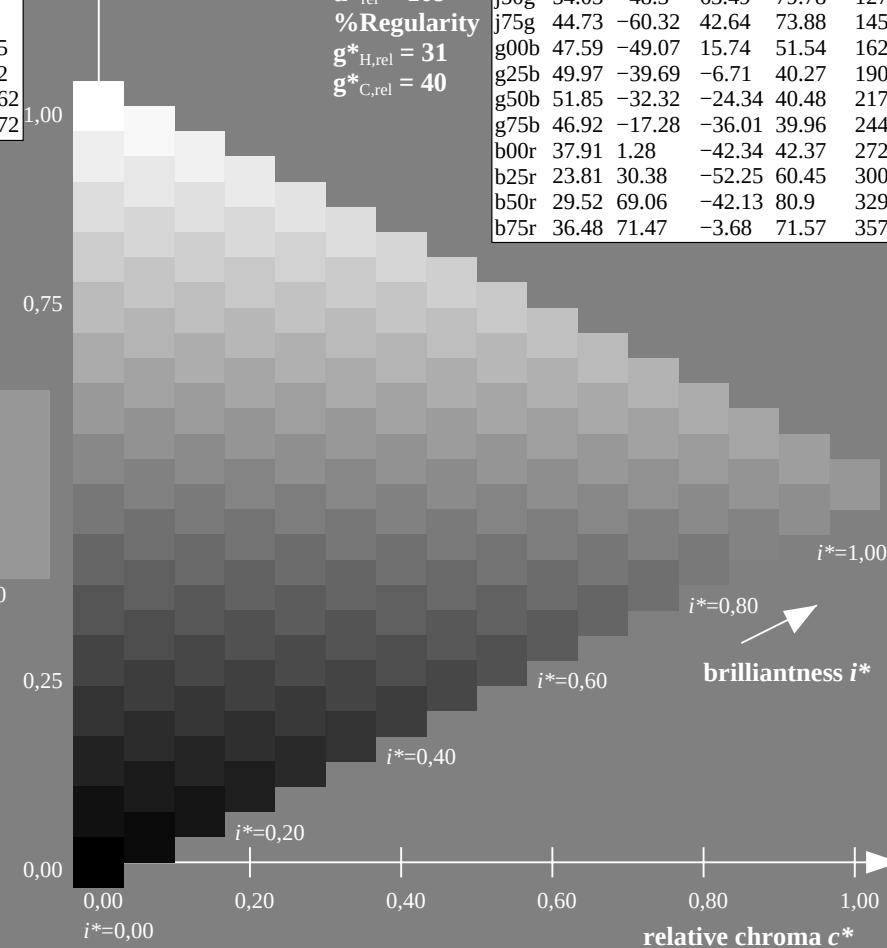
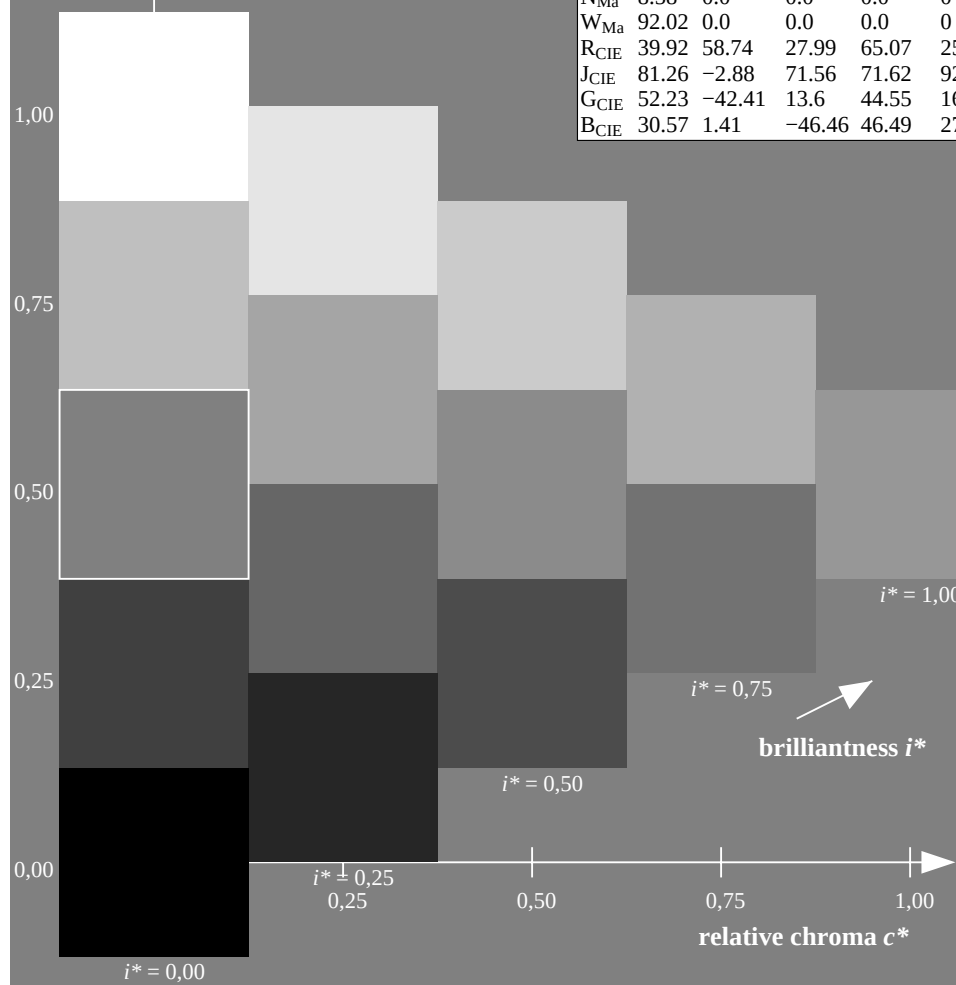
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

lab^*tch^* and lab^*icu^*

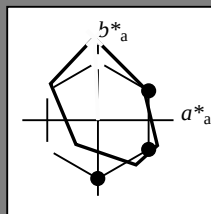
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -3 109

$LAB^*LCH^*_{Ma}$: 83 109 92

$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

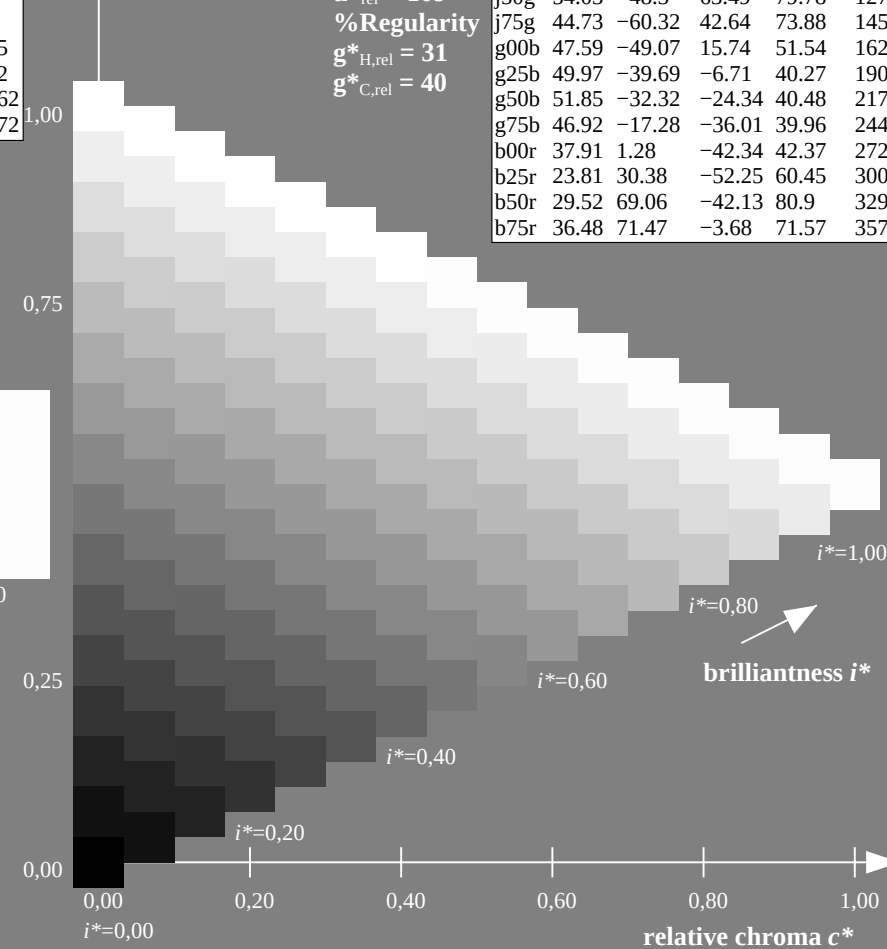
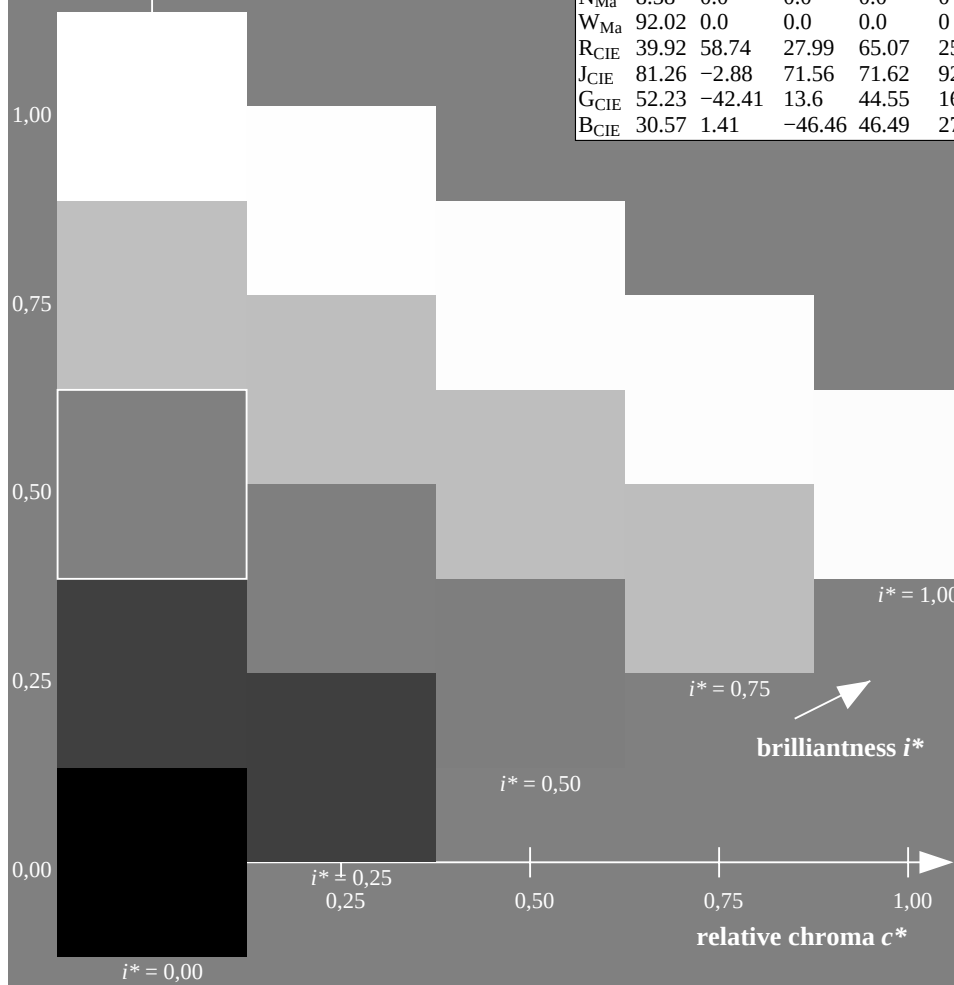
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

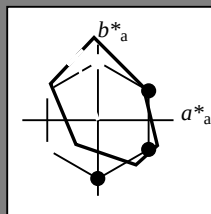
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -29 83

$LAB^*LCH^*_{Ma}$: 67 88 110

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

$lab^*olv^*_{Ma}$: 0.57 1.0 0.0

triangle lightness t^*

%Gamut

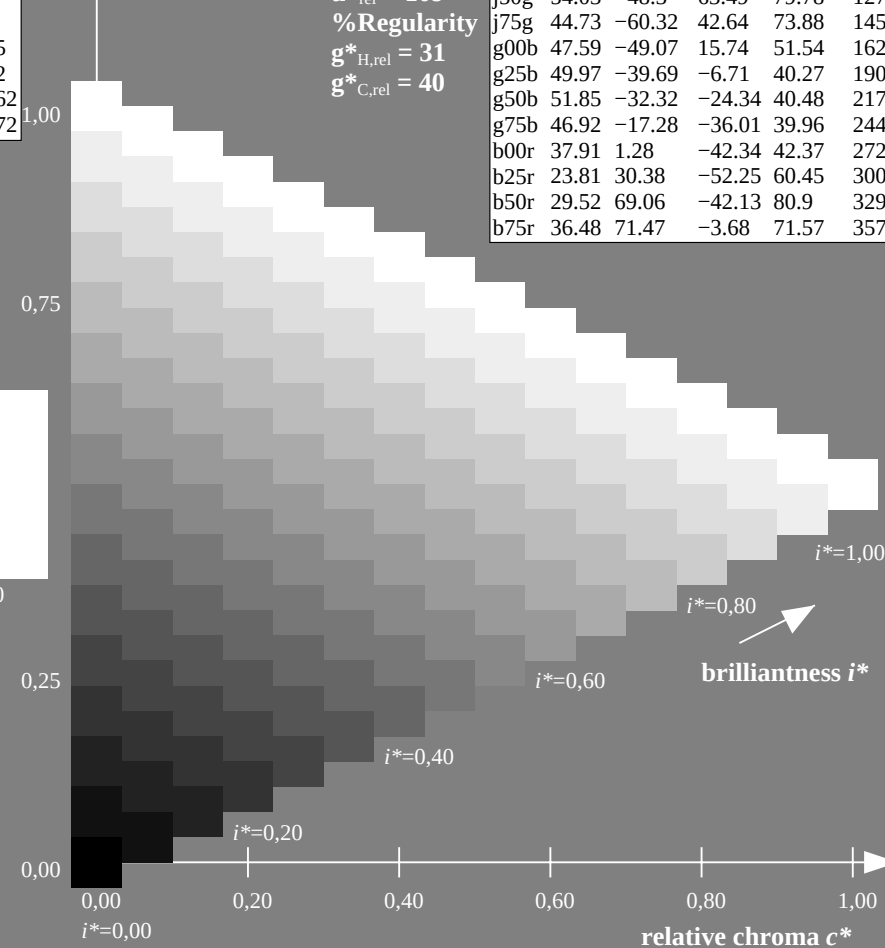
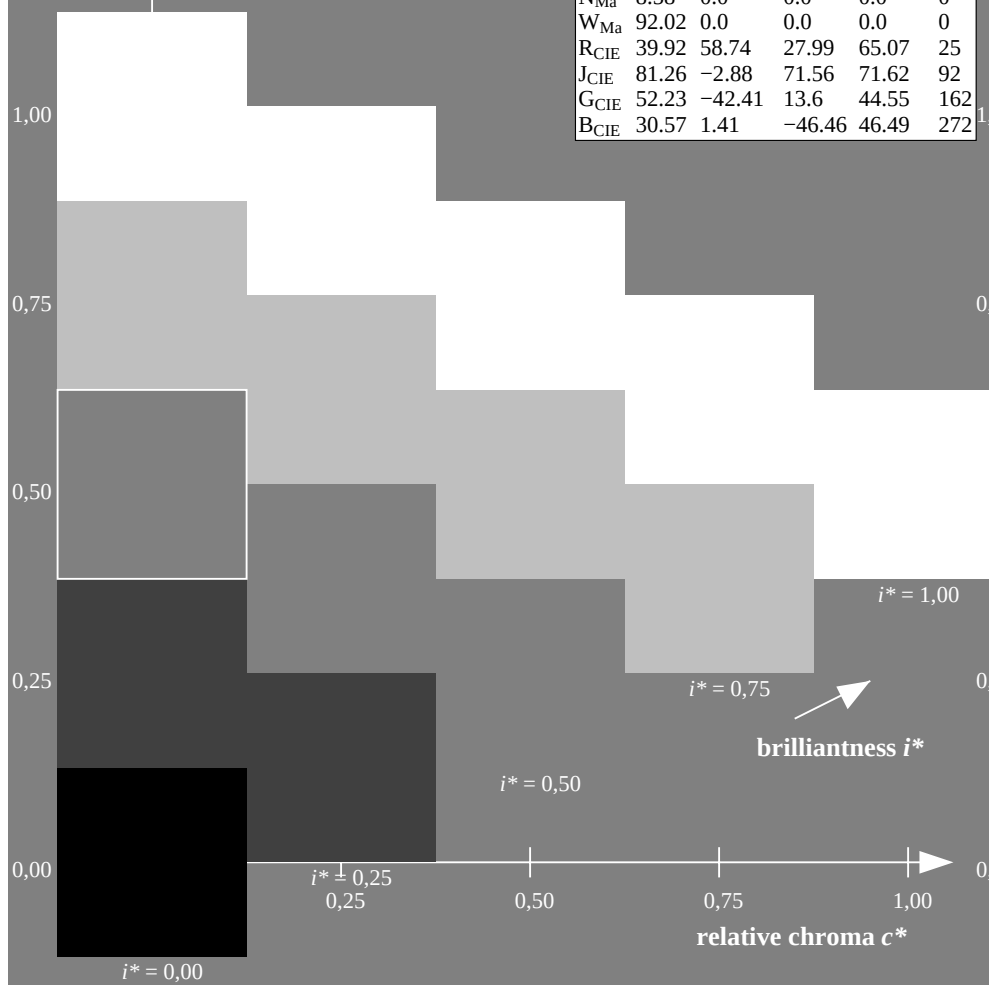
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

lab^*tch^* and lab^*icu^*

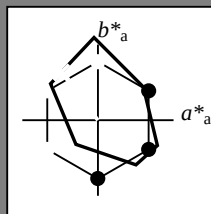
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -47 63

$LAB^*LCH^*_{Ma}$: 54 80 127

$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0

$lab^*olv^*_{Ma}$: 0.25 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

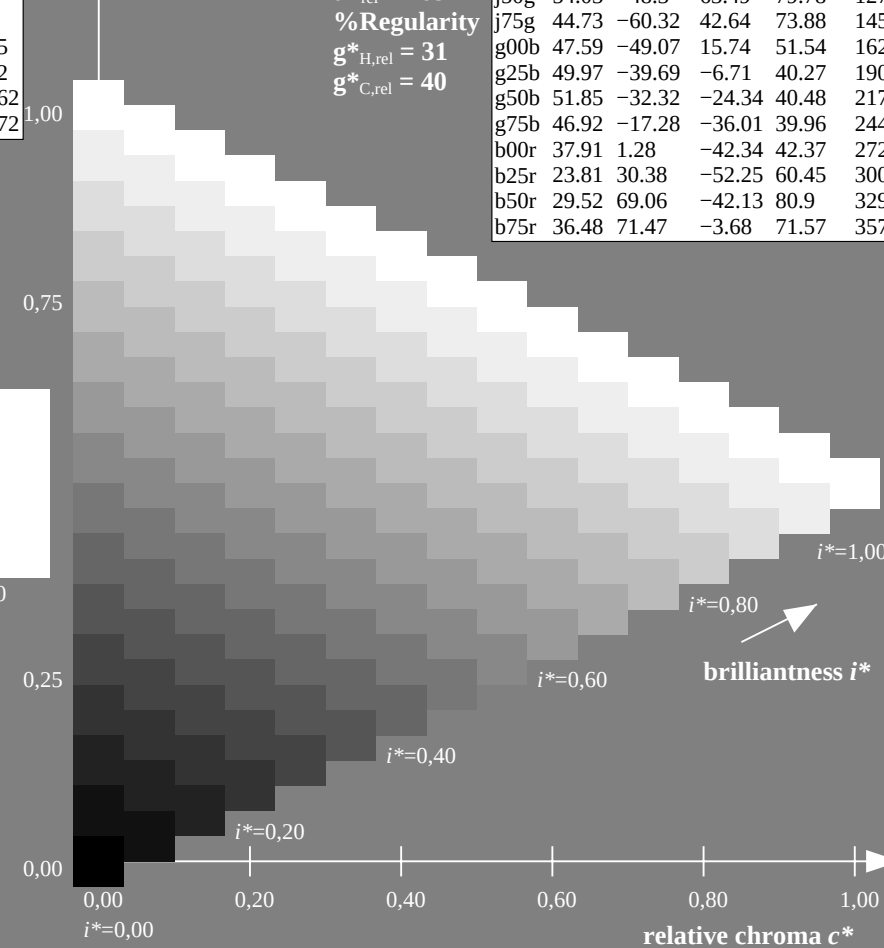
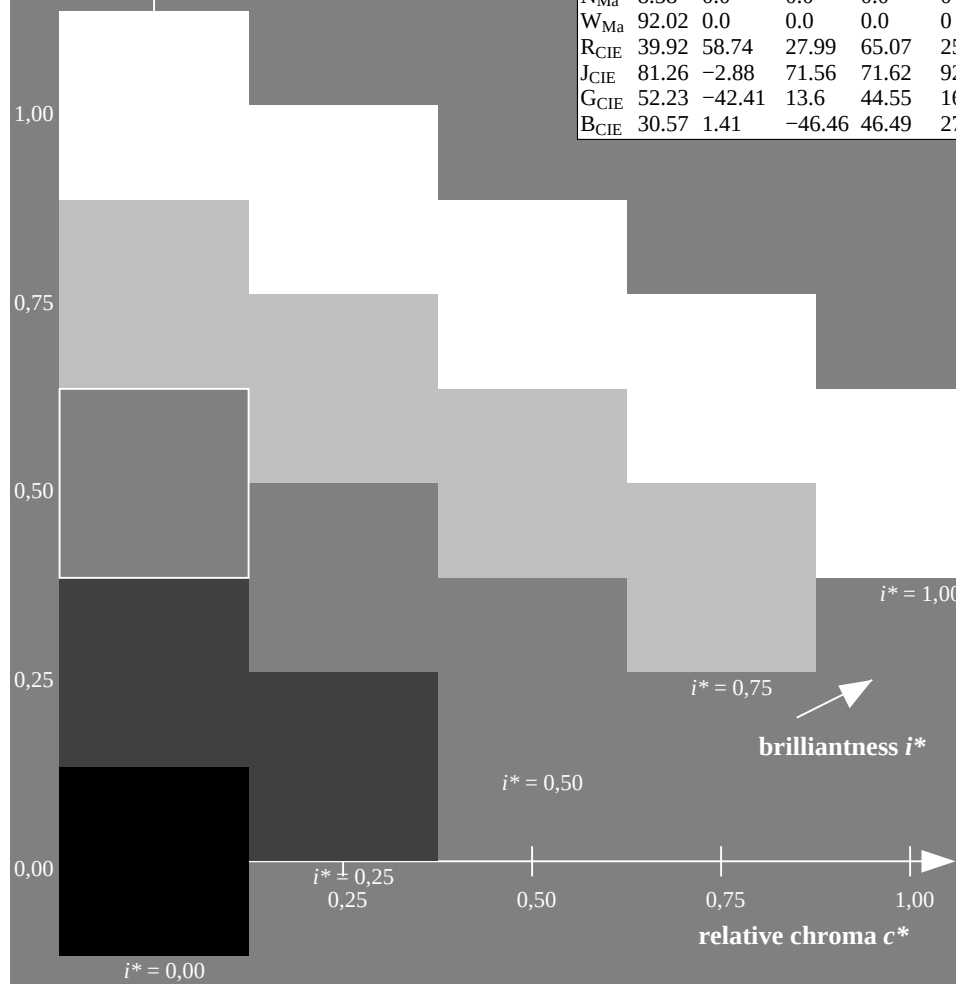
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

lab^*tch^* and lab^*icu^*

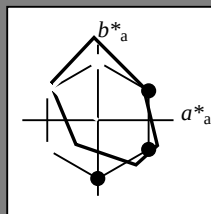
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -59 43

$LAB^*LCH^*_{Ma}$: 45 74 145

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.07

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

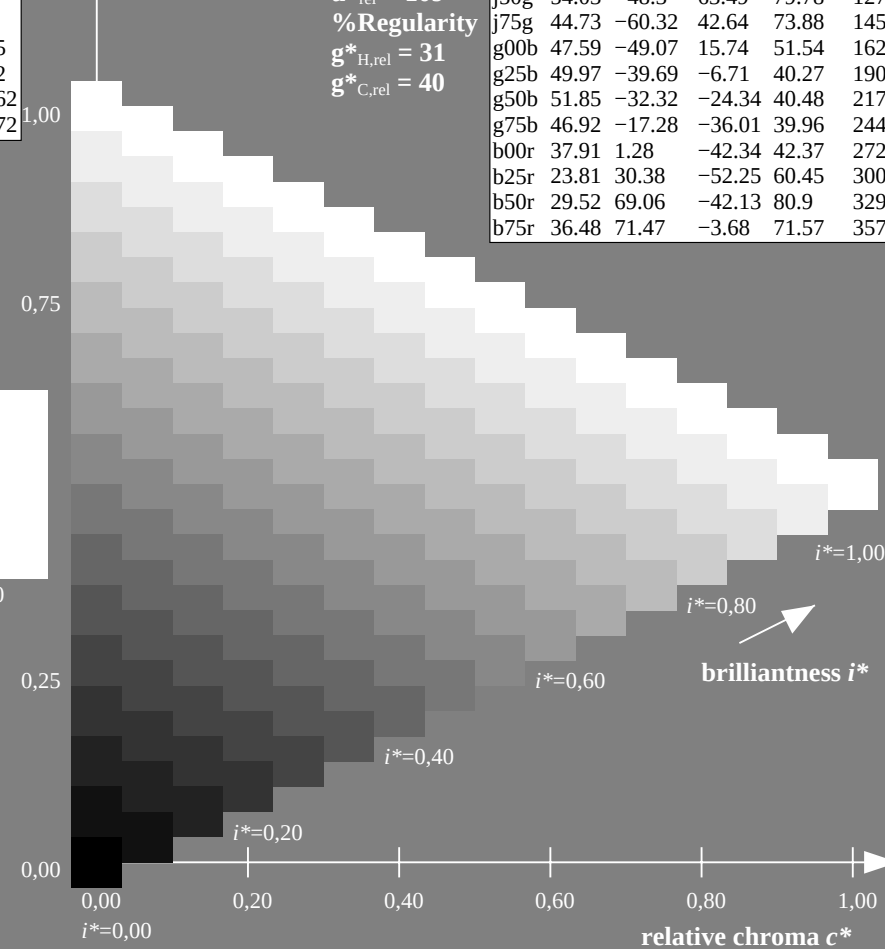
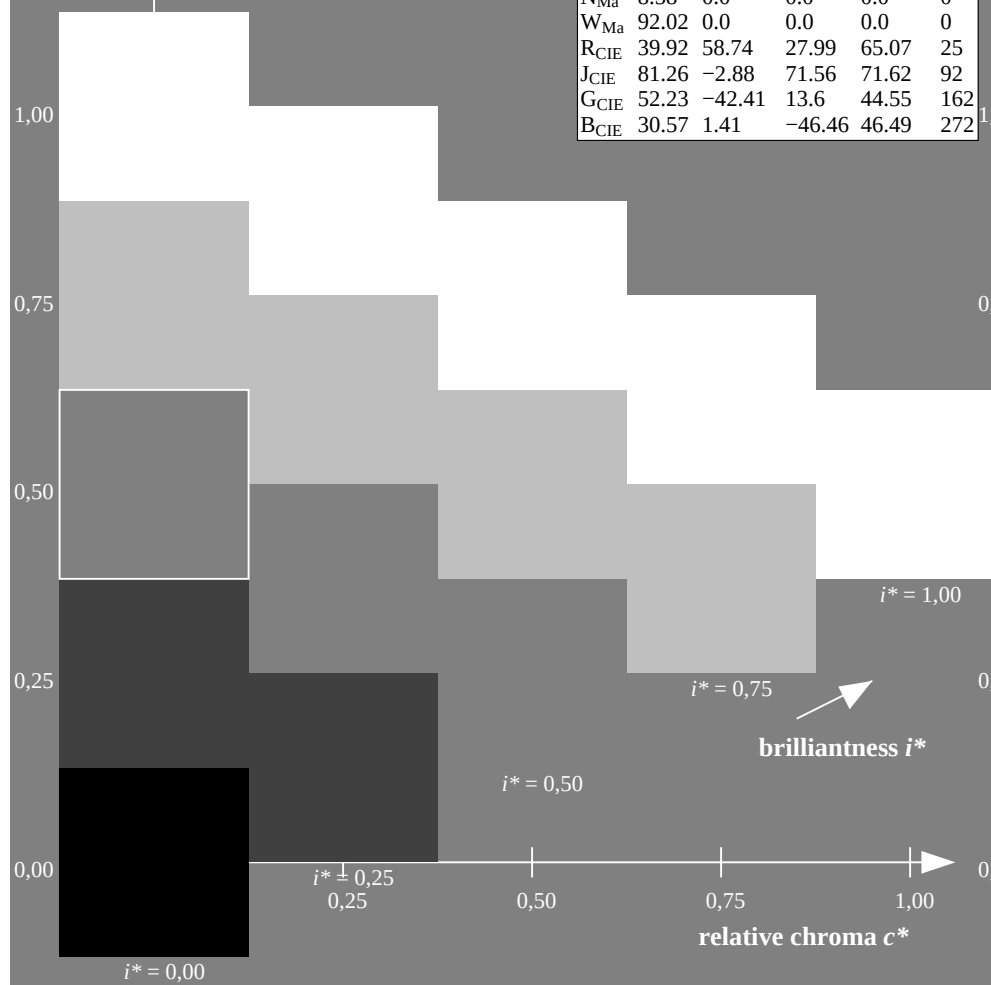
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

lab^*tch^* and lab^*icu^*

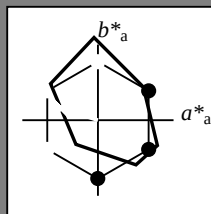
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -48 16

$LAB^*LCH^*_{Ma}$: 48 52 162

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.41

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

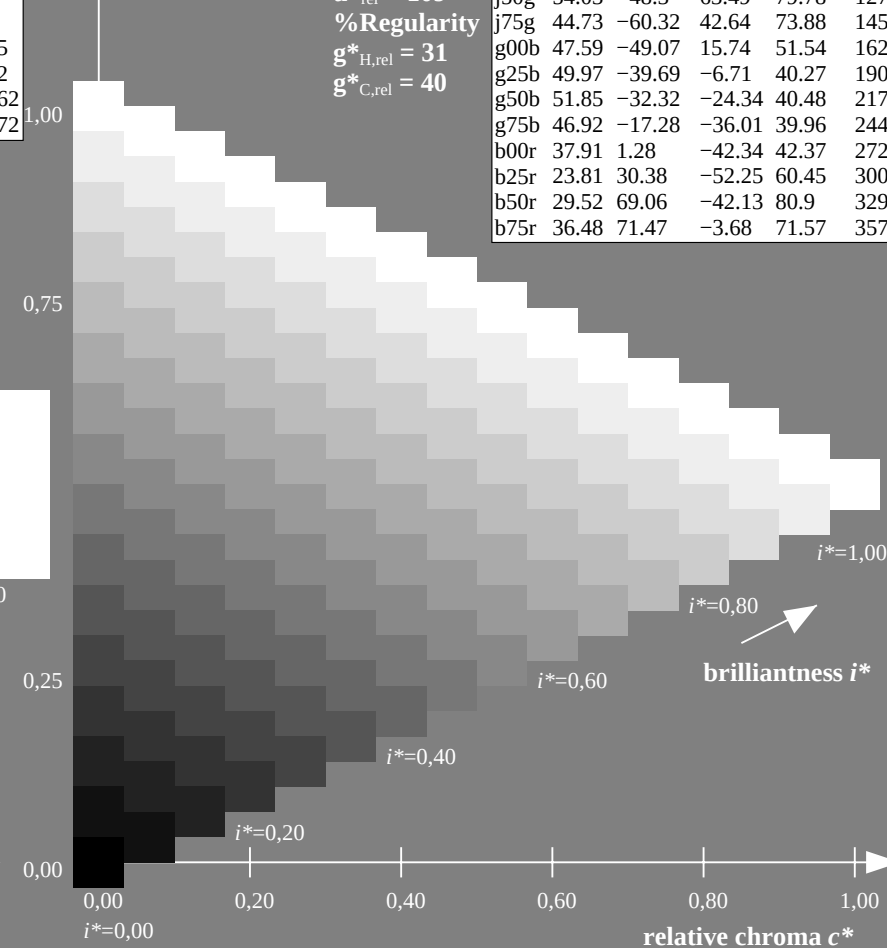
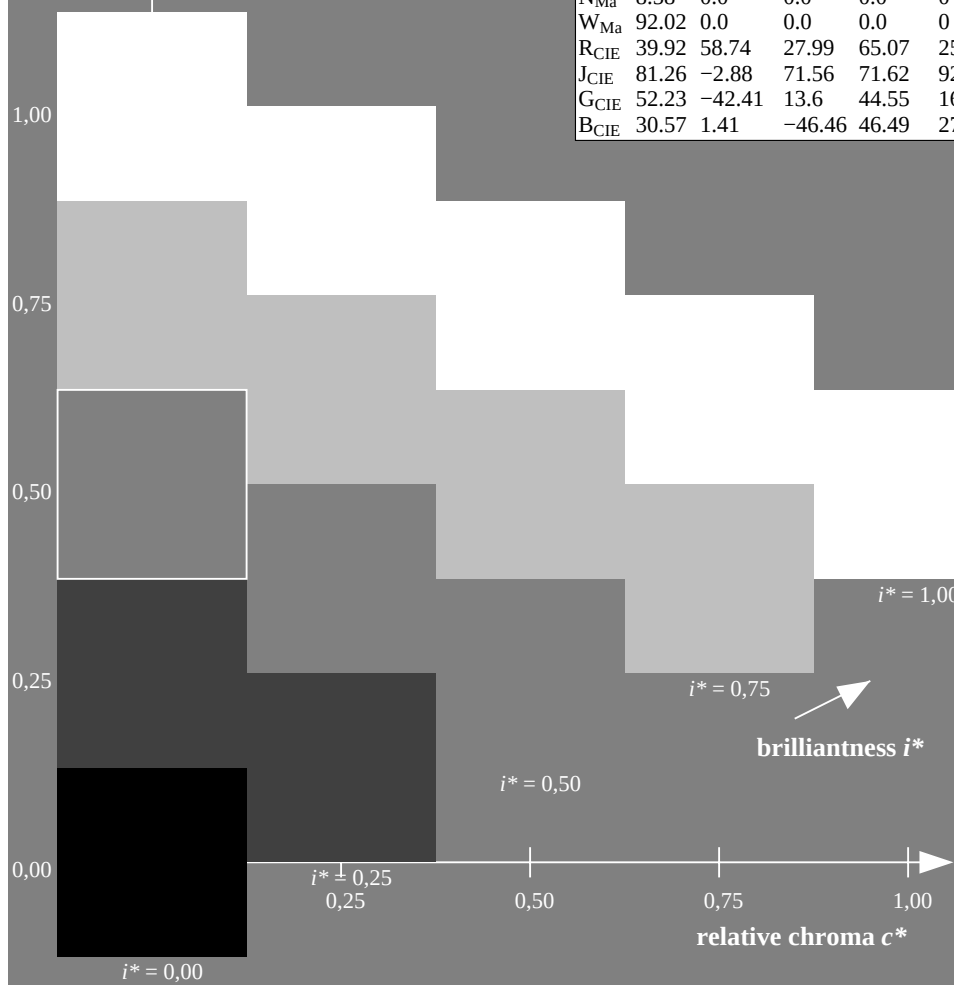
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

lab^*tch^* and lab^*icu^*

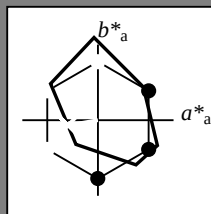
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -39 -6

$LAB^*LCH^*_{Ma}$: 50 40 190

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5

$lab^*olv^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

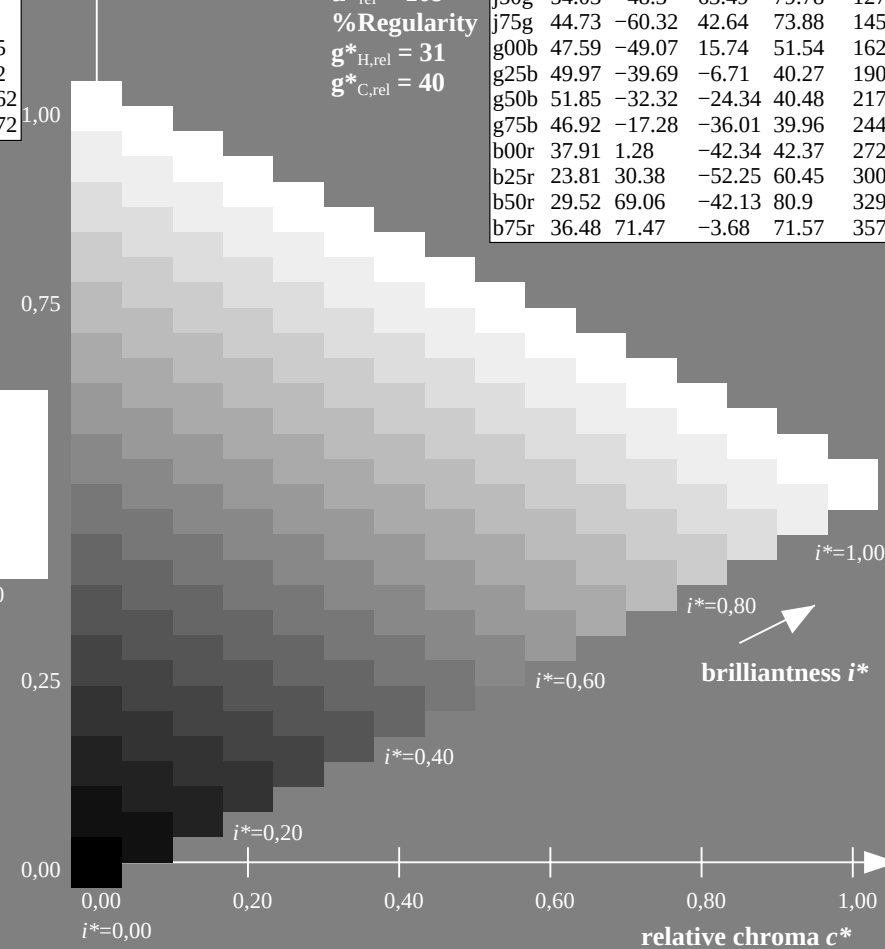
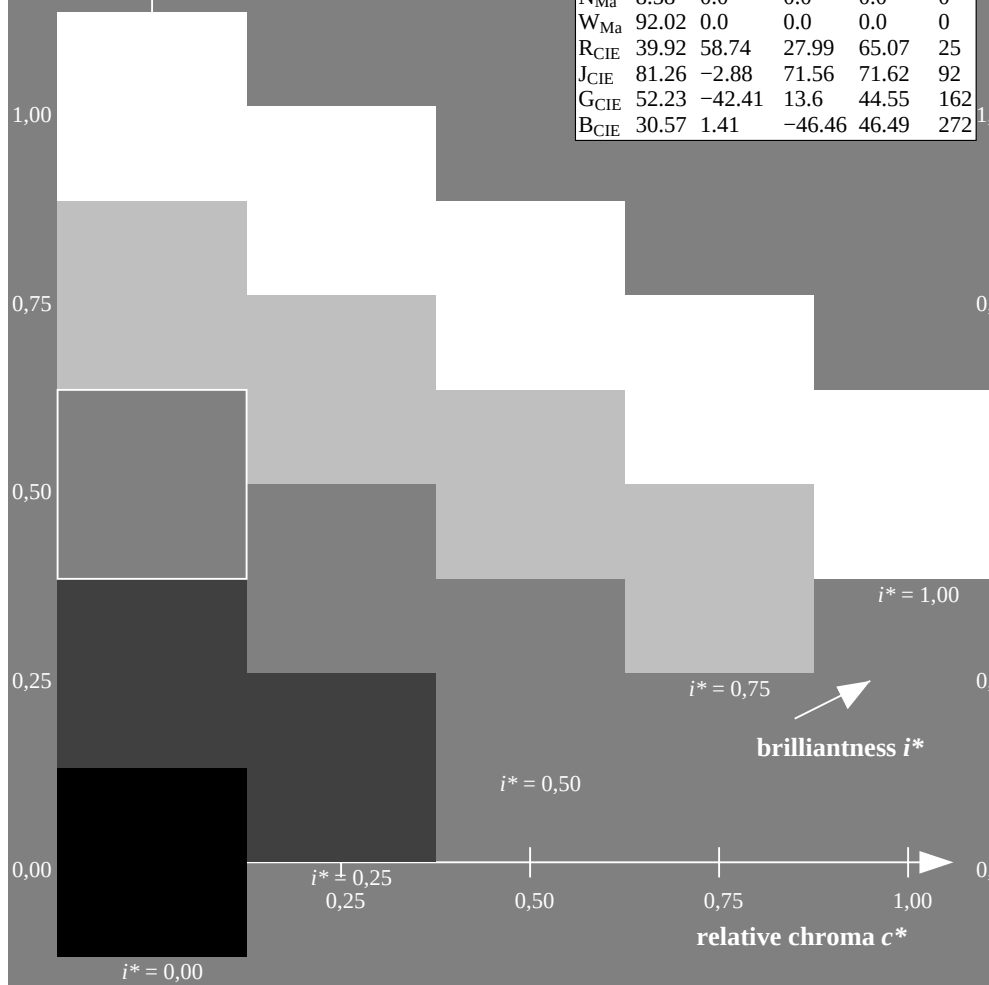
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

lab^*tch^* and lab^*icu^*

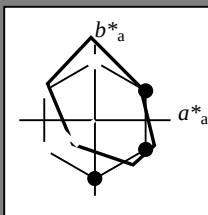
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -31 -23

$LAB^*LCH^*_{Ma}$: 52 40 217

$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.9

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

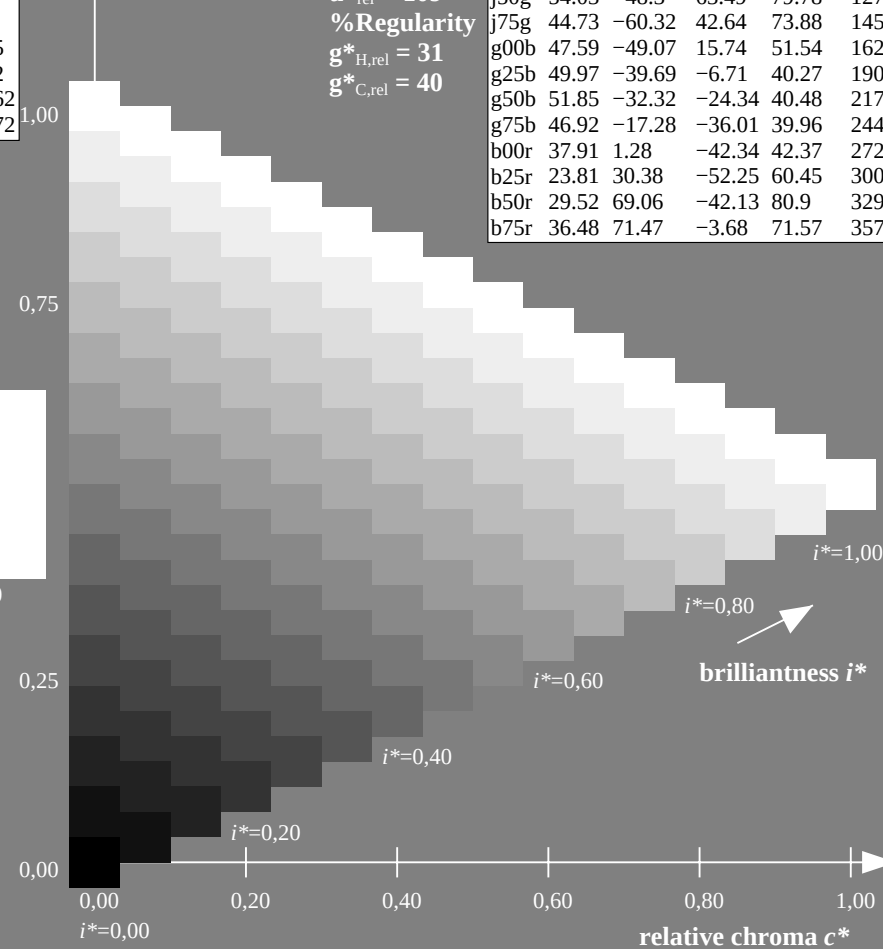
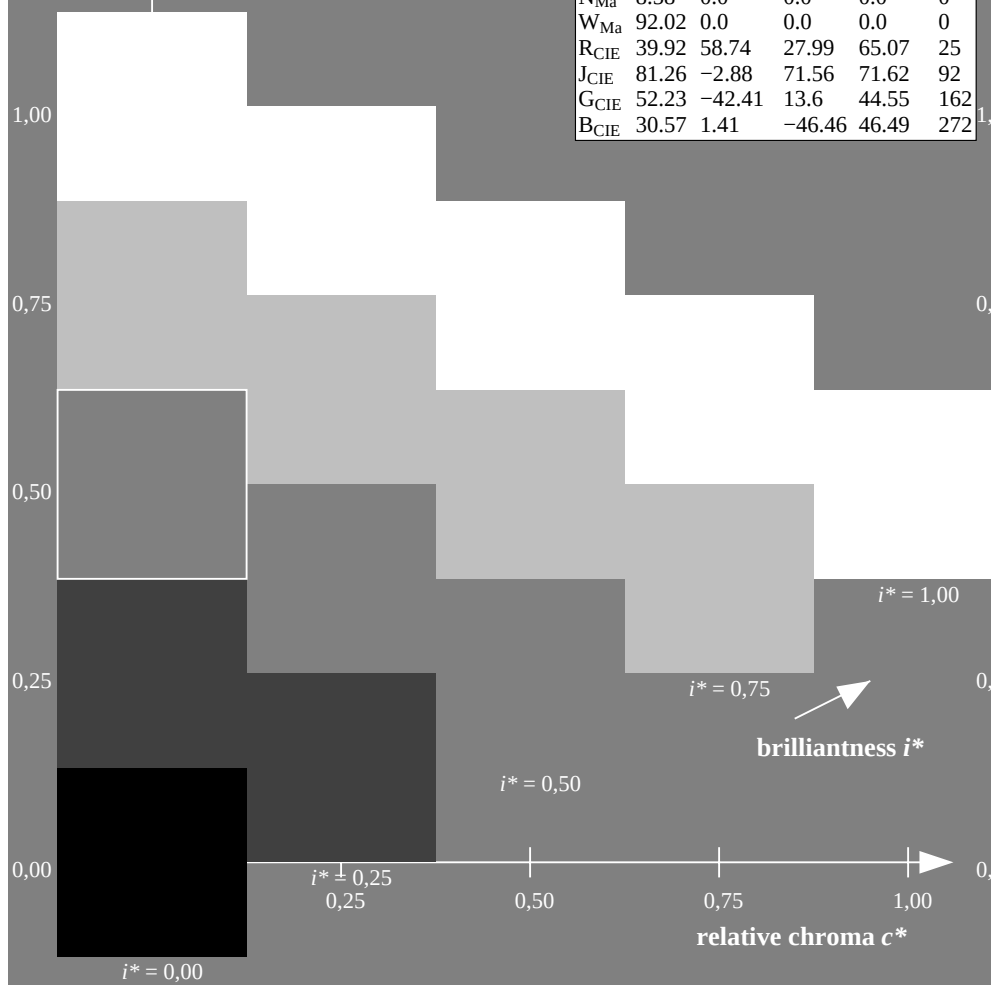
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

lab^*tch^* and lab^*icu^*

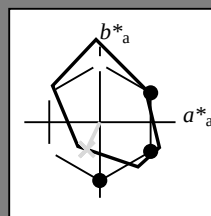
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -16 -35

$LAB^*LCH^*_{Ma}$: 47 40 244

$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0

$lab^*olv^*_{Ma}$: 0.0 0.85 1.0

triangle lightness t^*

%Gamut

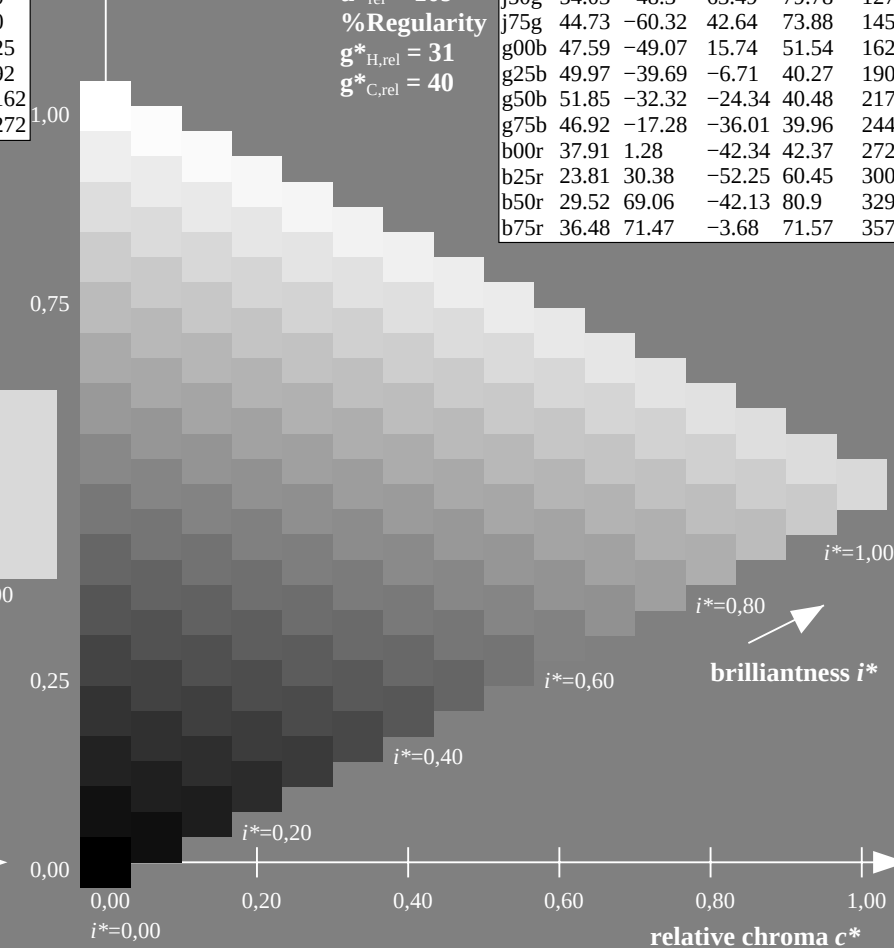
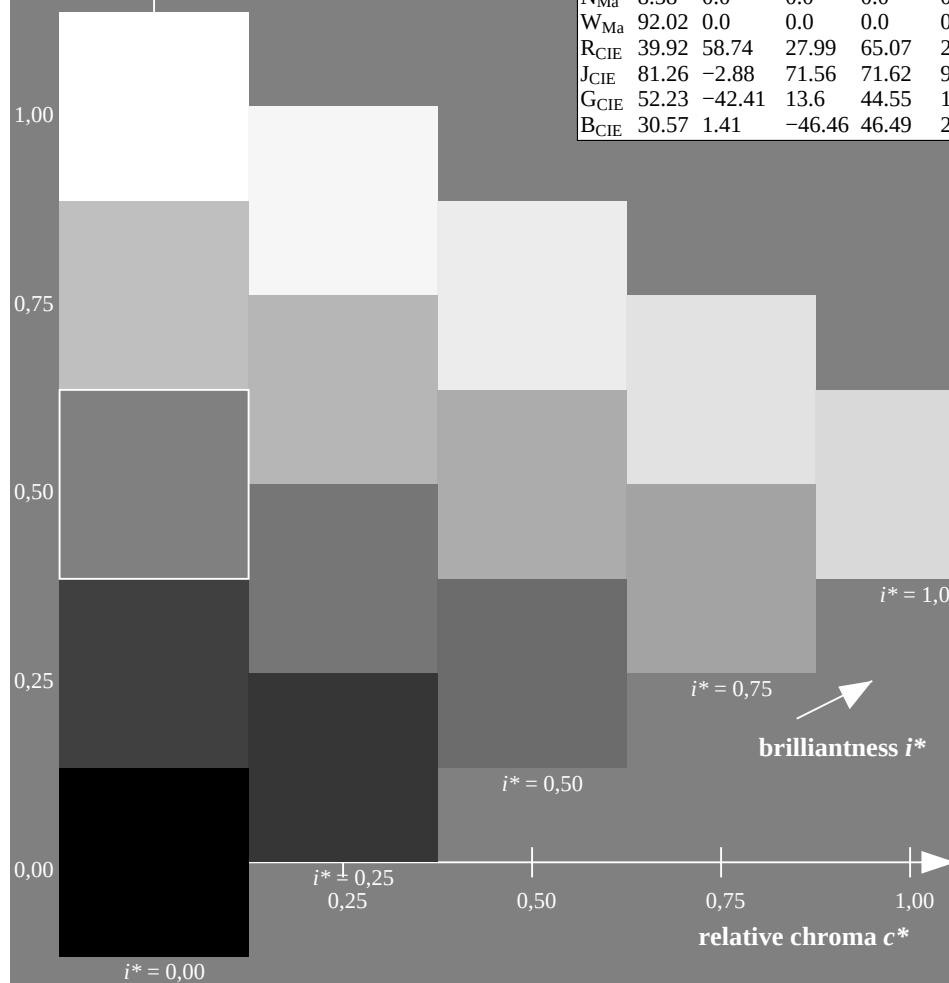
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

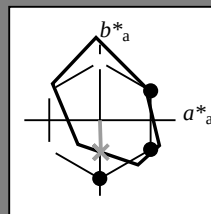
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -41

$LAB^*LCH^*_{Ma}$: 38 42 272

$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

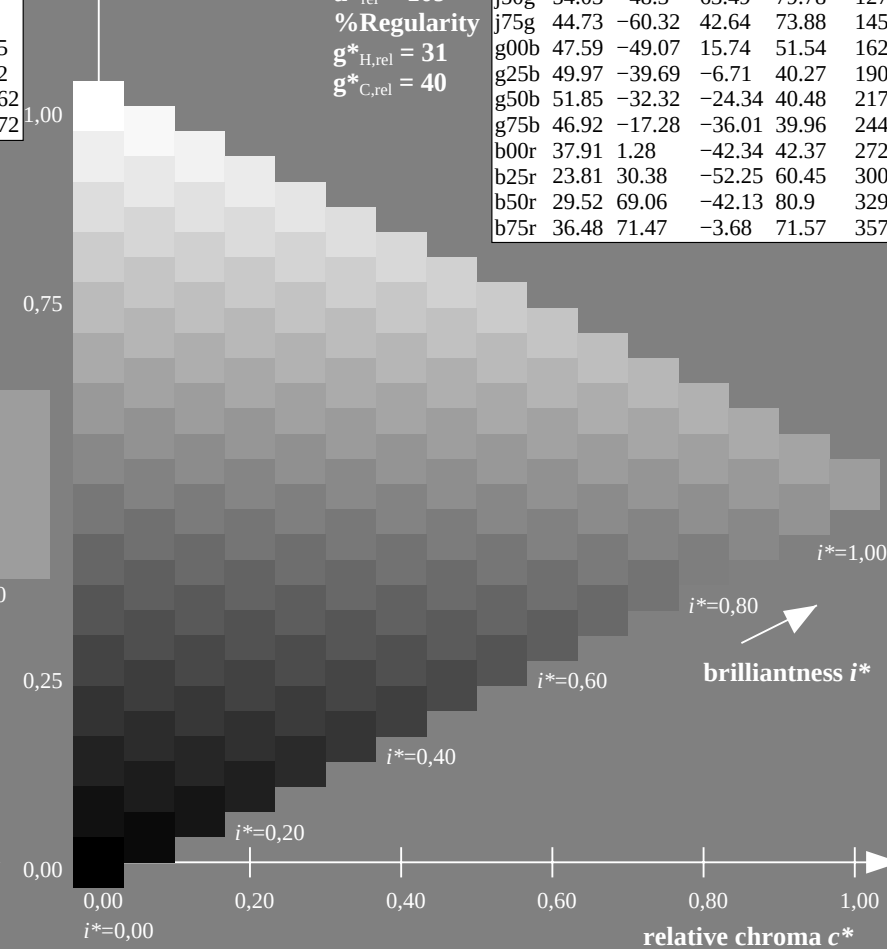
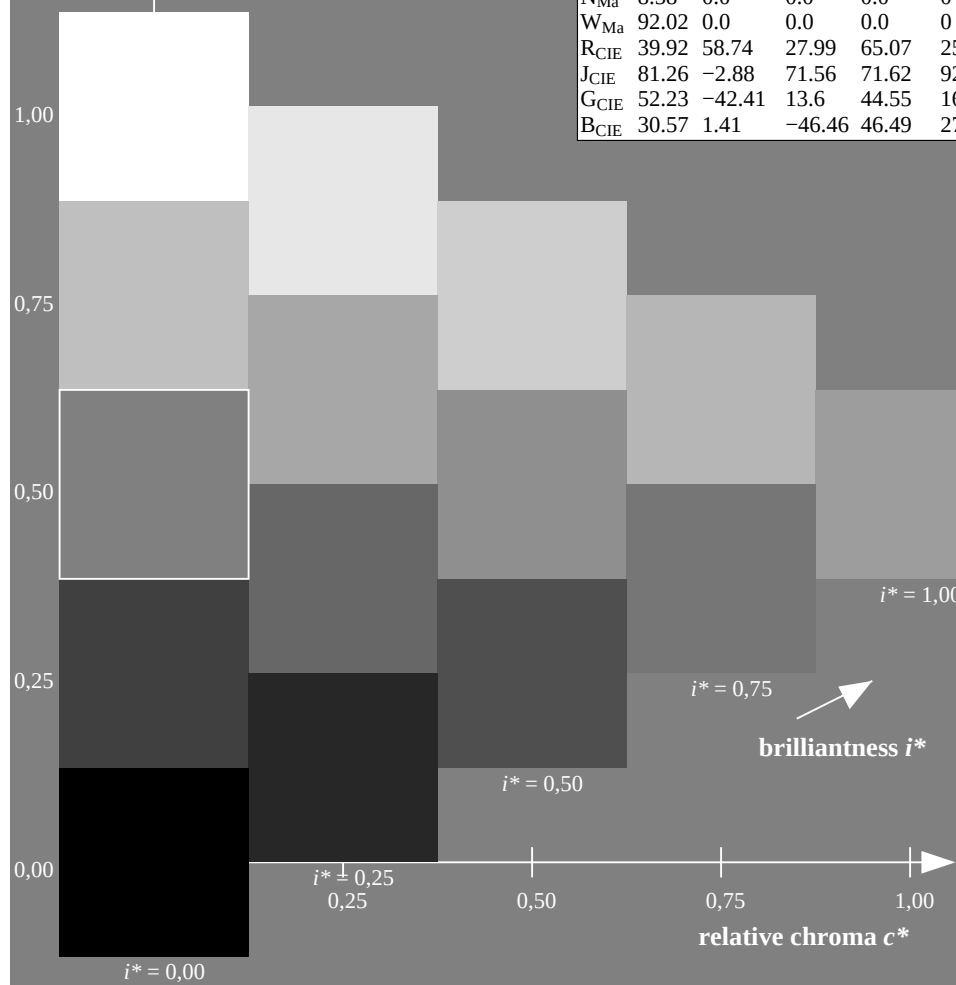
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

lab^*tch^* and lab^*icu^*

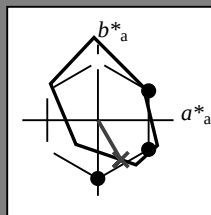
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -51

$LAB^*LCH^*_{Ma}$: 24 60 300

$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.25 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

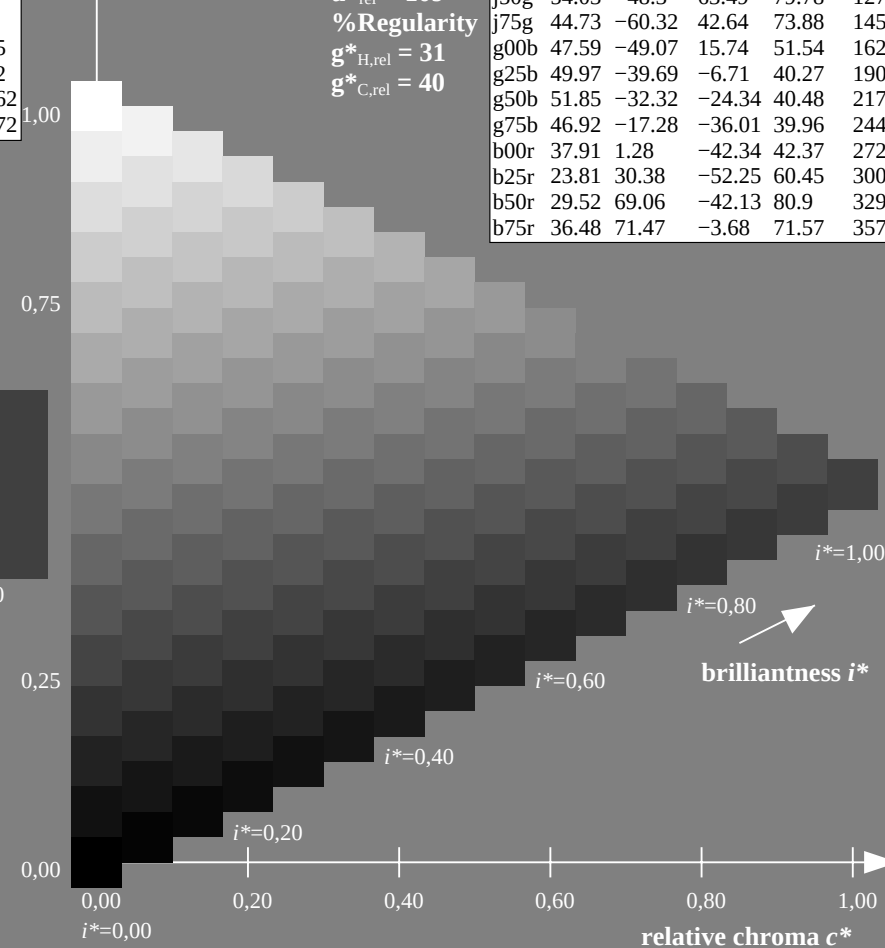
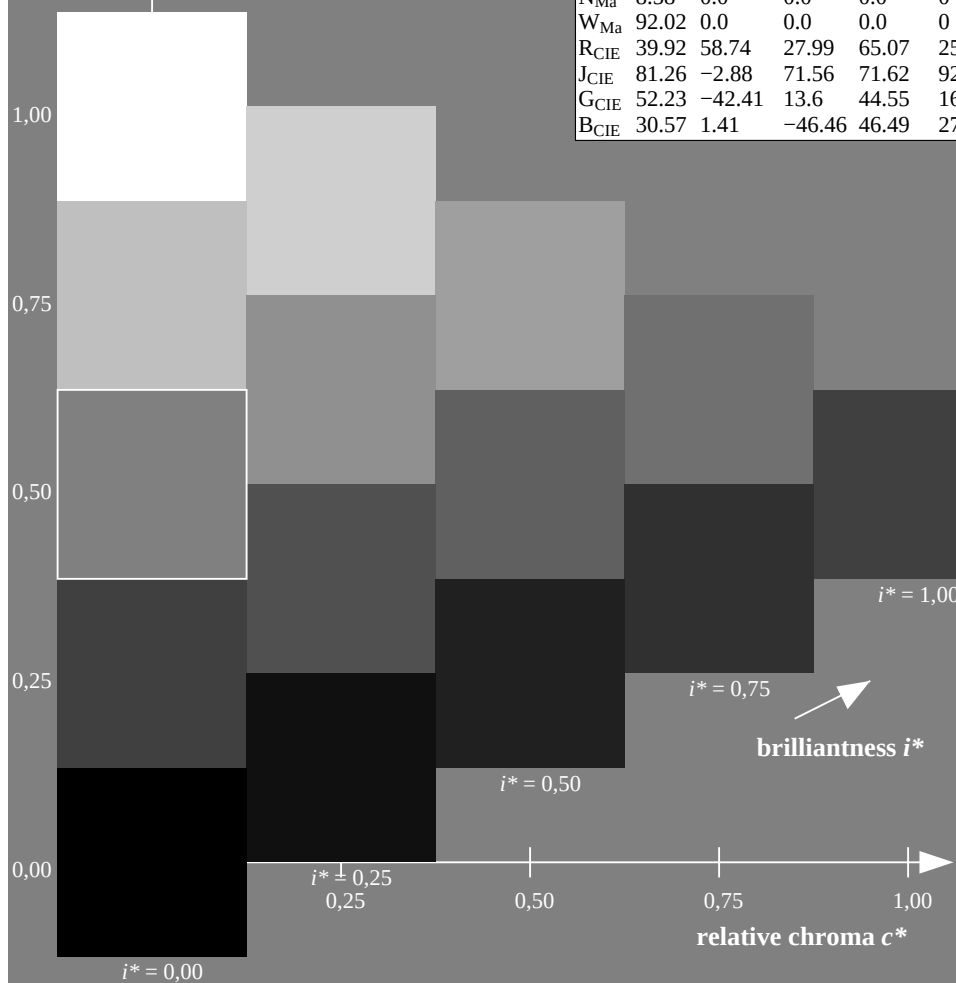
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

lab^*tch^* and lab^*icu^*

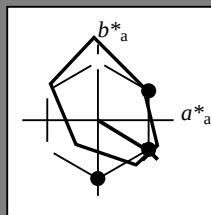
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -41

$LAB^*LCH^*_{Ma}$: 30 81 329

$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.66 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

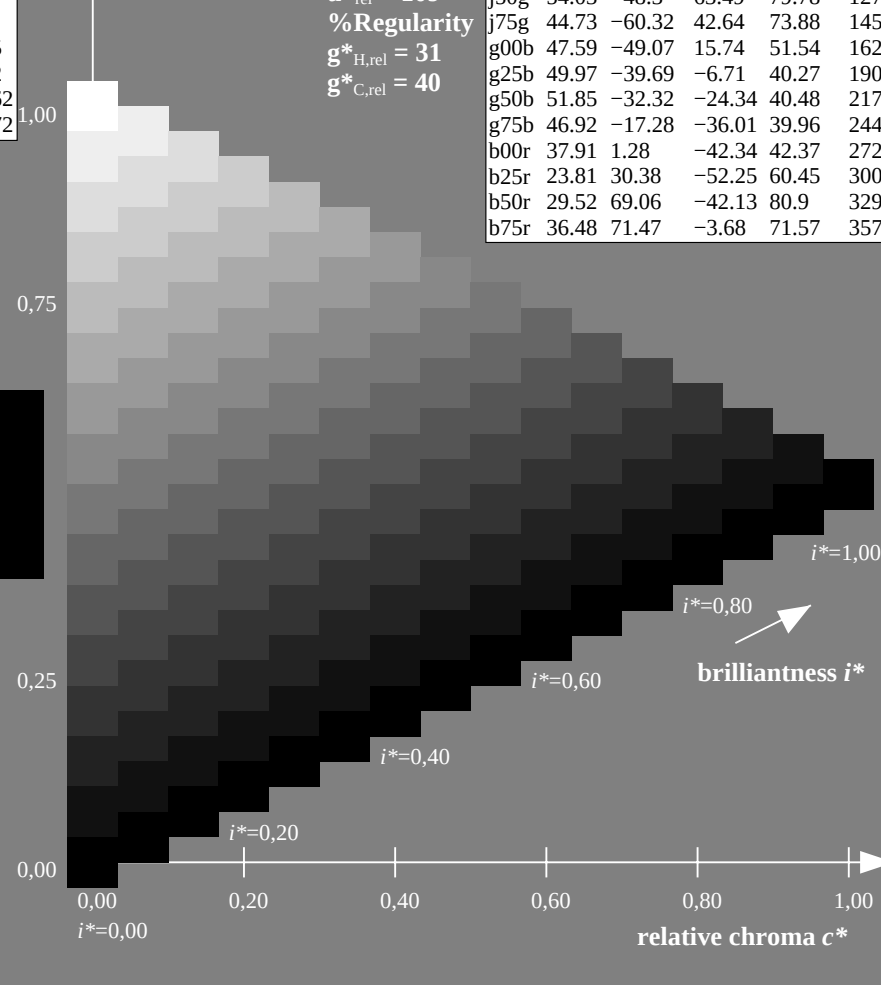
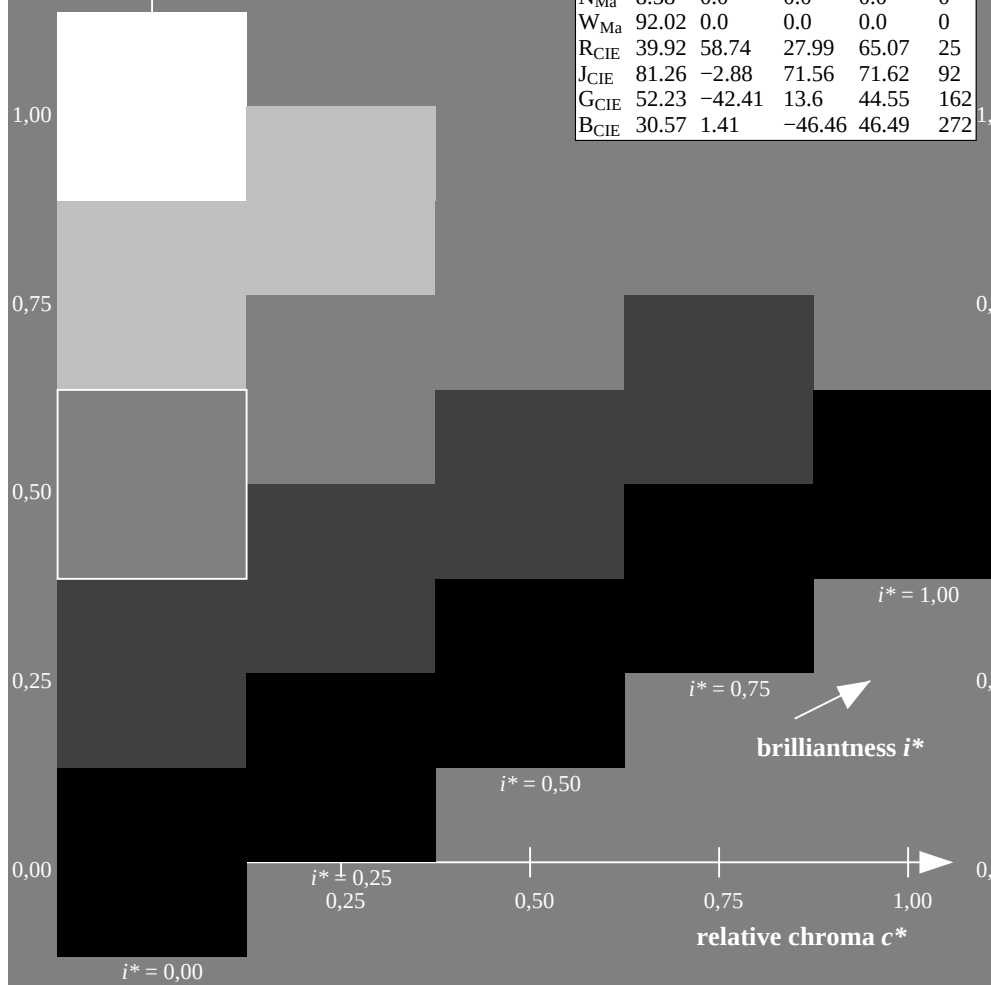
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

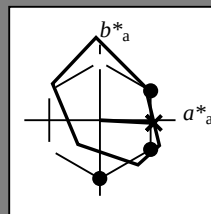
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -3

$LAB^*LCH^*_{Ma}$: 36 72 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.62

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

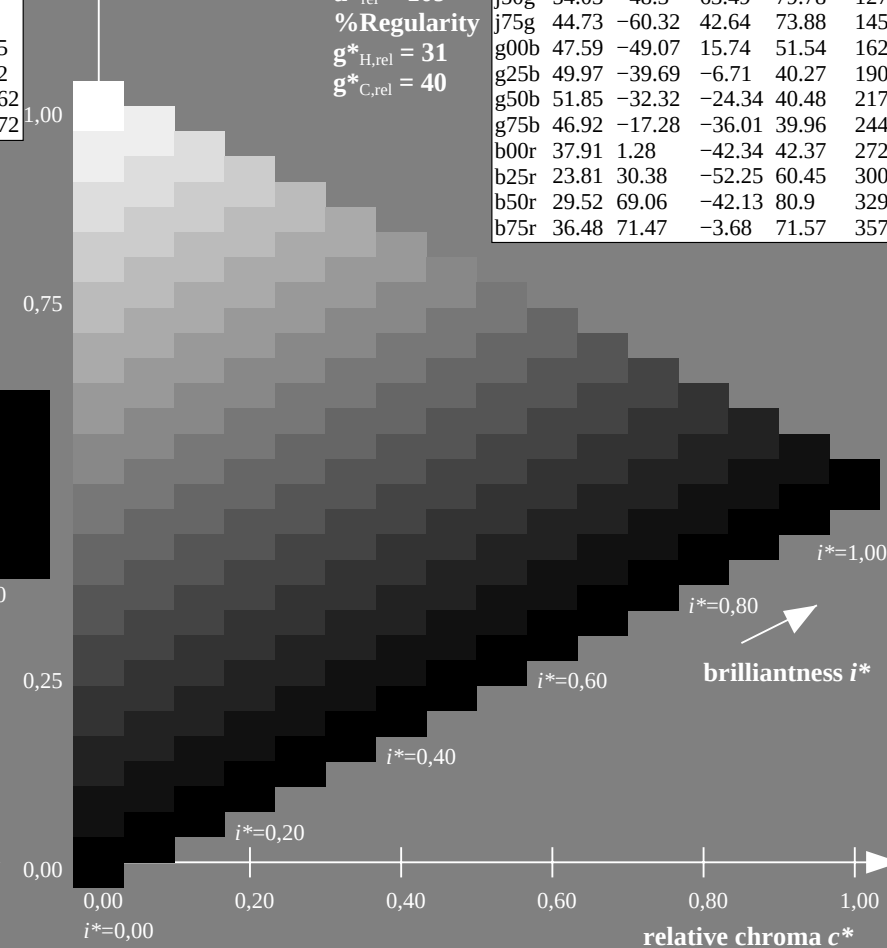
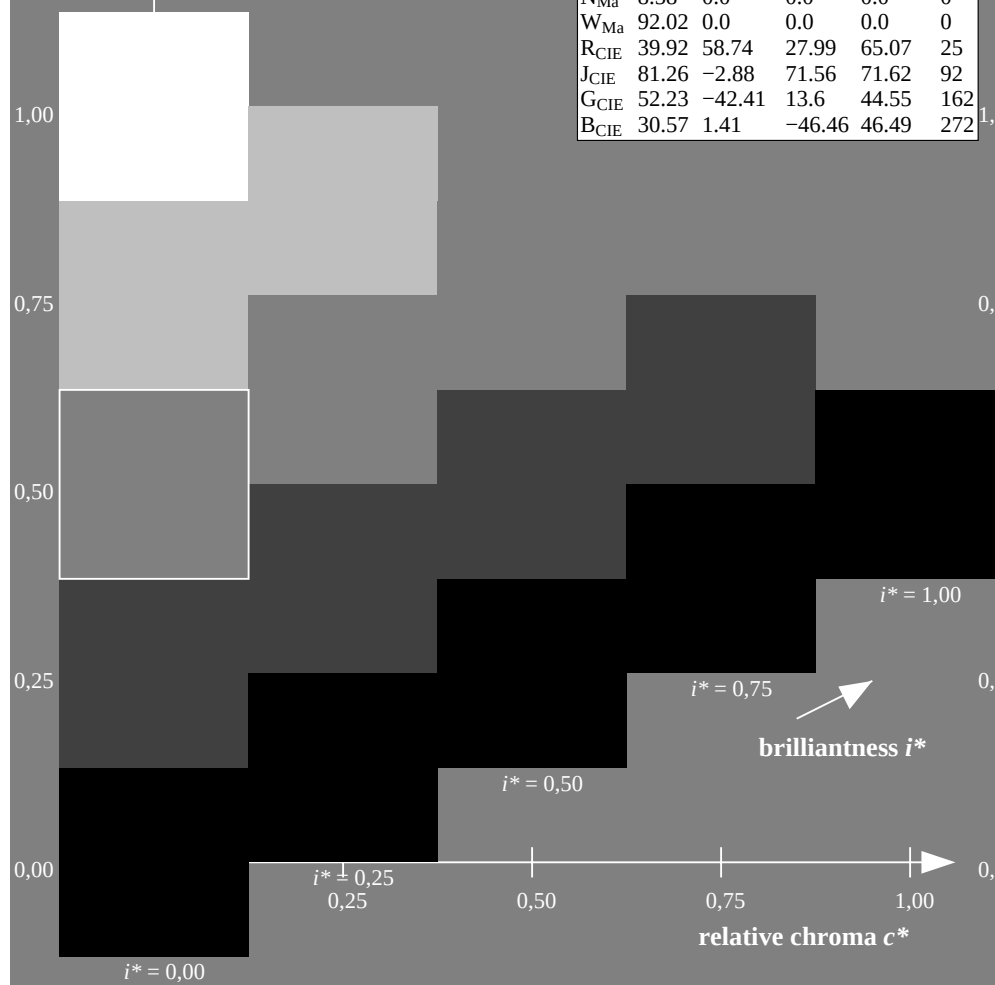
%Regularity

$g^*_{H,rel} = 31$

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

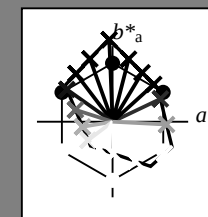
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



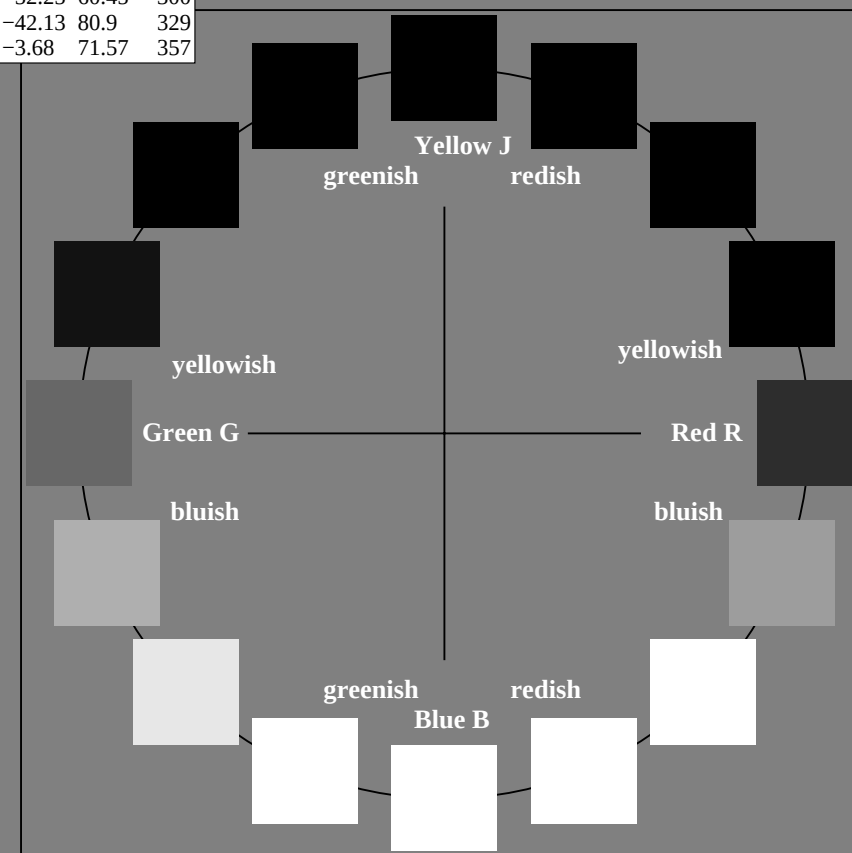
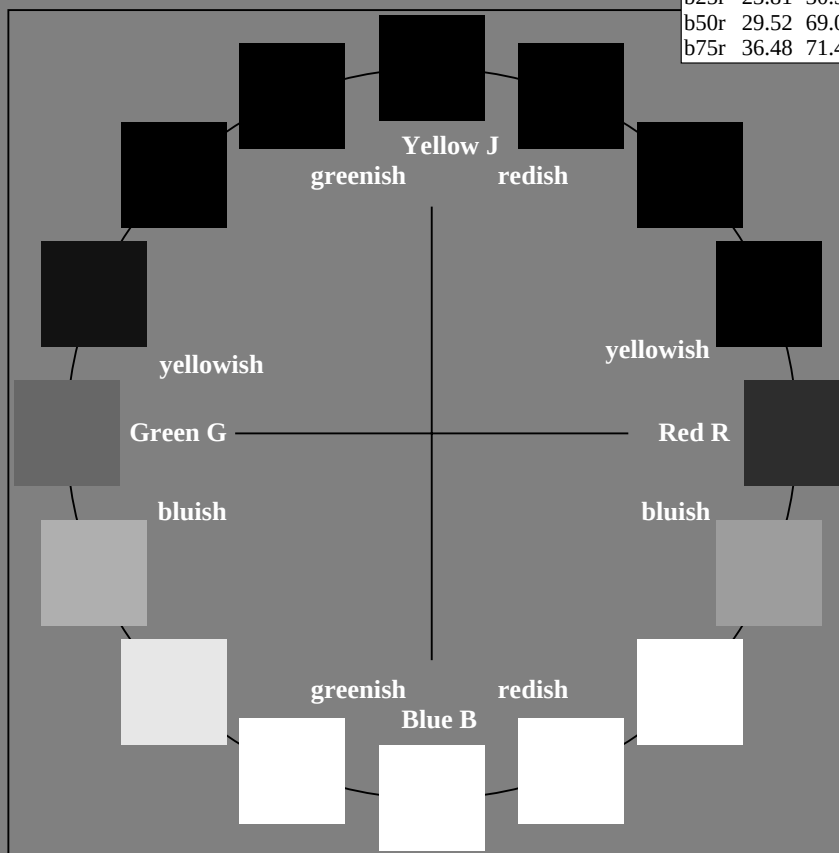
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
*lab**tch*** and *lab**icu***
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

lab^*tch^* and lab^*icu^*

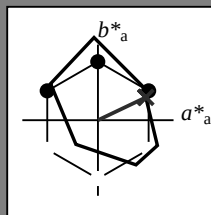
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

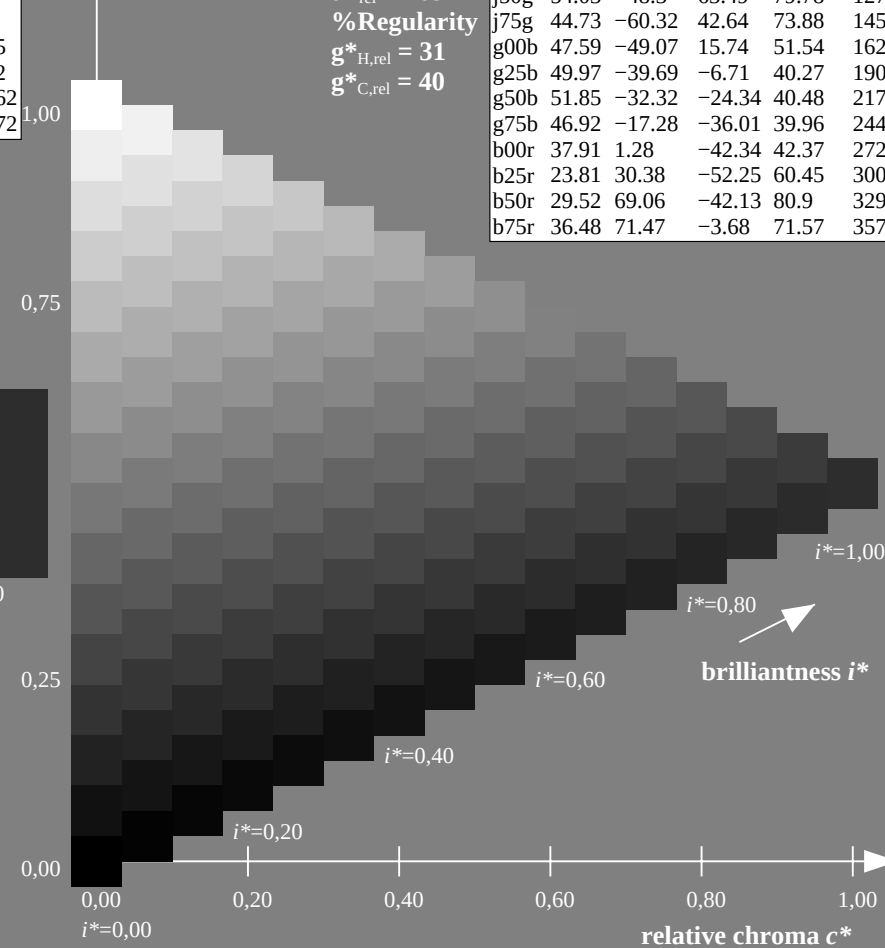
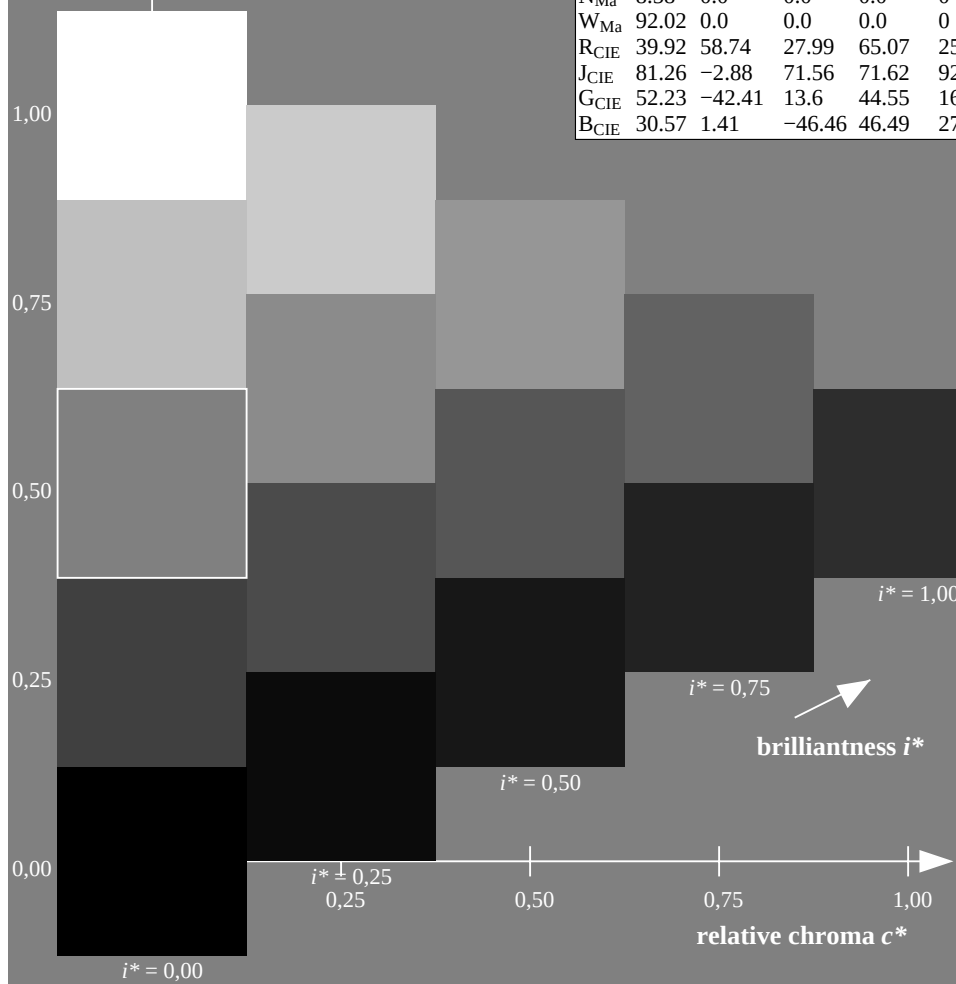
%Regularity

$g^*_{H,rel} = 31$

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

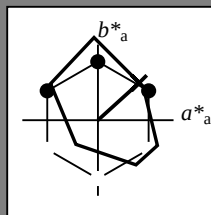
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$
data for any colour:

lab^*tch^* and lab^*icu^*
elementary hue text:
 $u^* = r25j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49
 $LAB^*LCH^*_{Ma}$: 39 74 42
 $lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.08 0.0

triangle lightness t^*

%Gamut

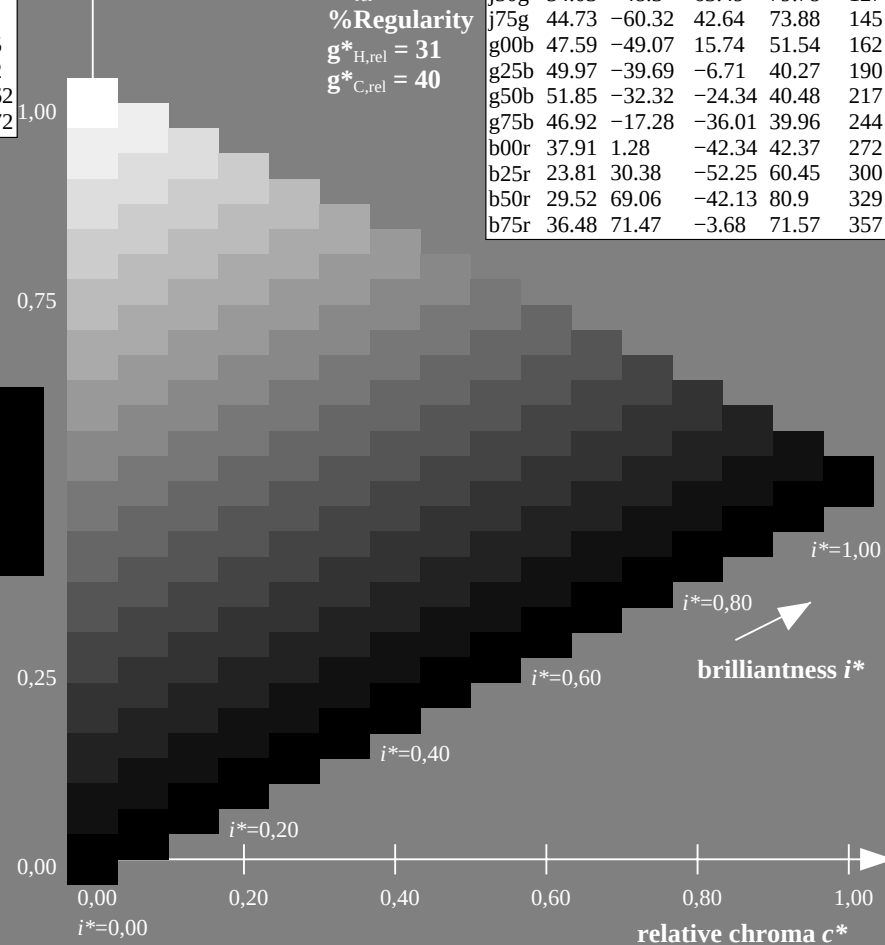
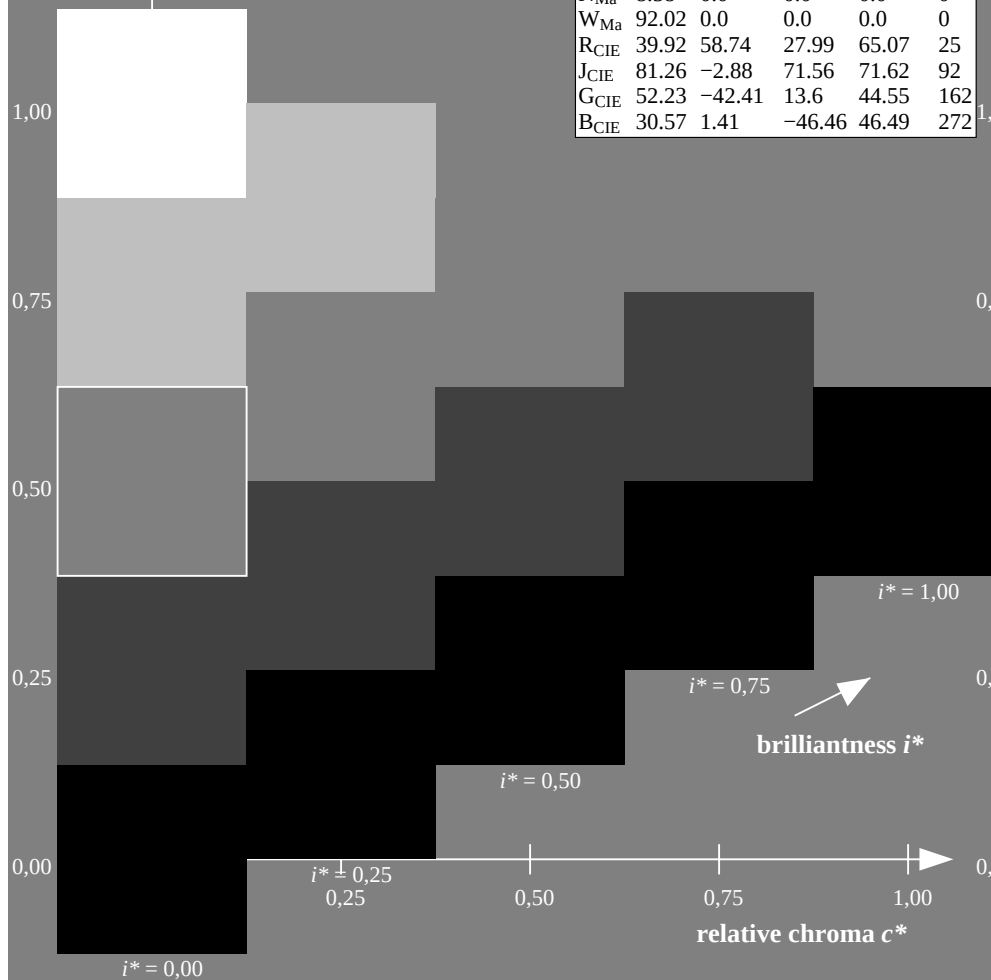
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

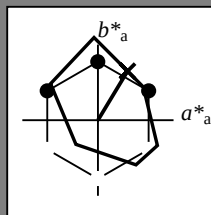
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 59

$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0

$lab^*olv^*_{Ma}$: 1.0 0.32 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

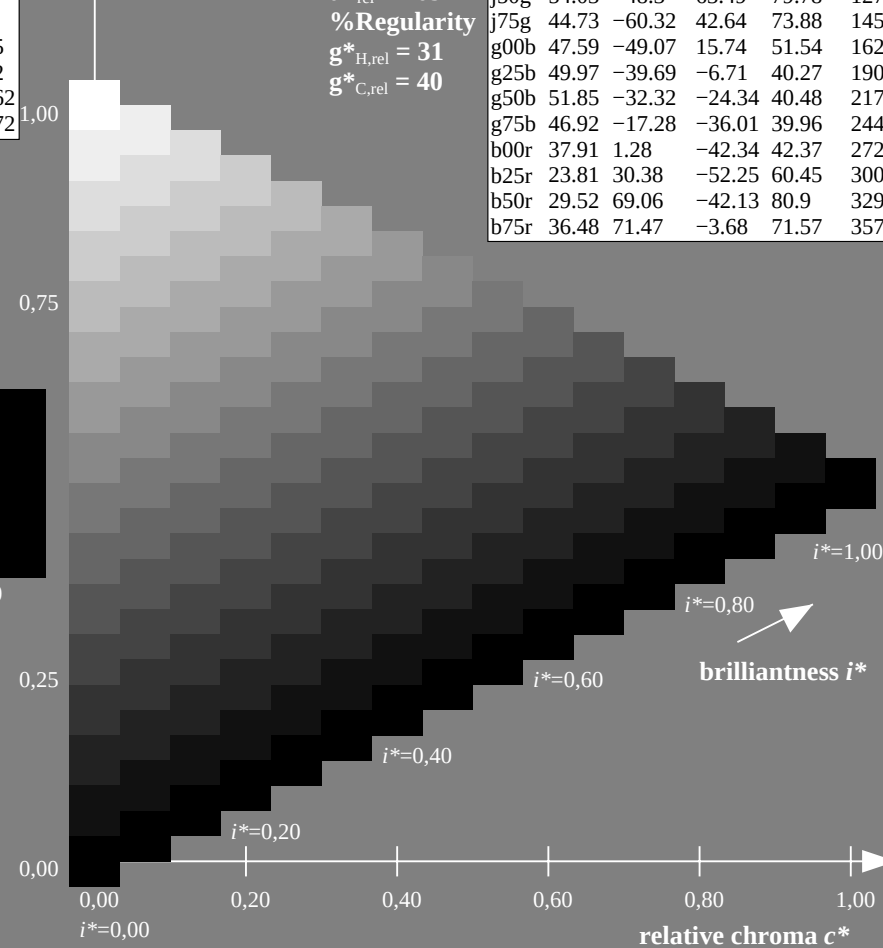
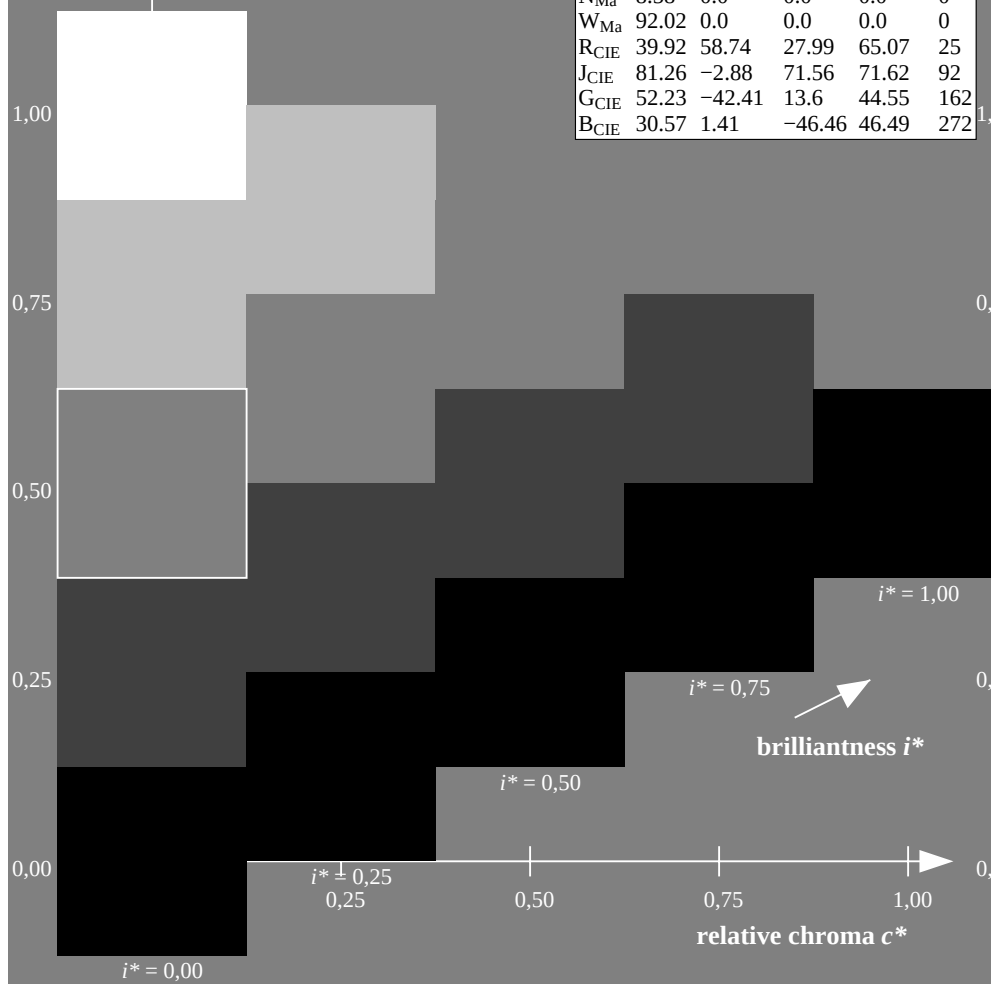
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

lab^*tch^* and lab^*icu^*

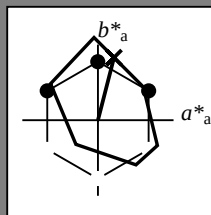
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 76

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.59 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

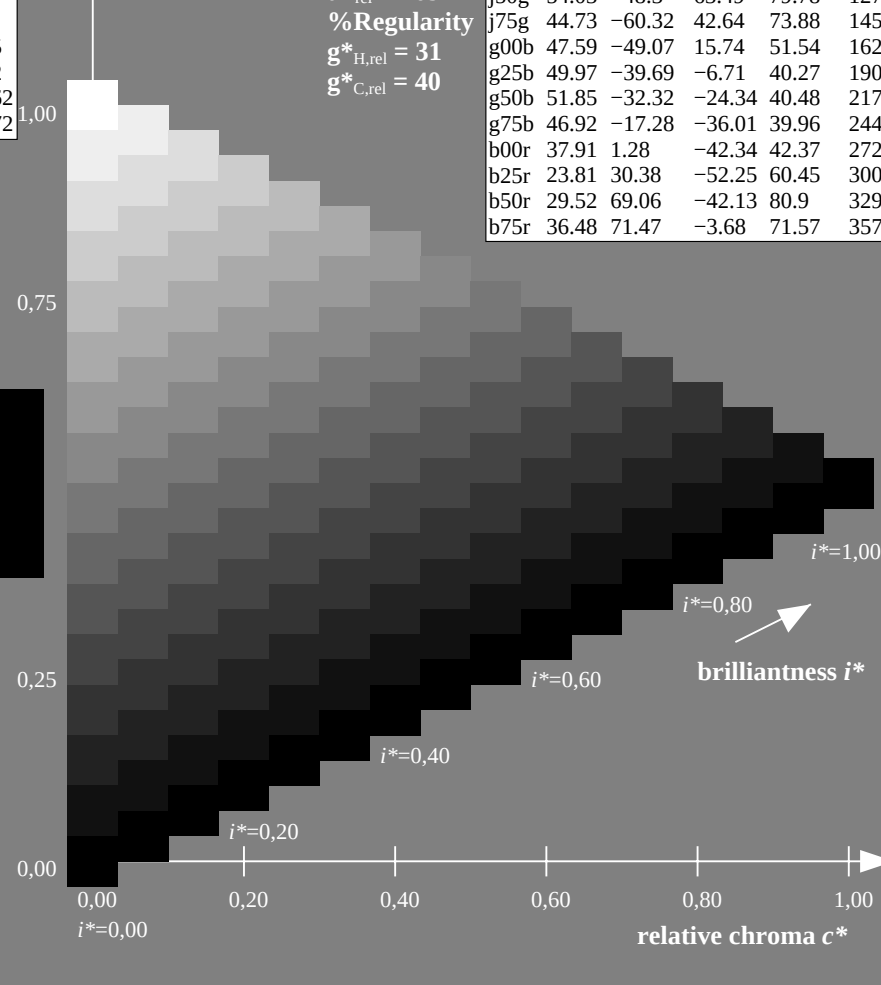
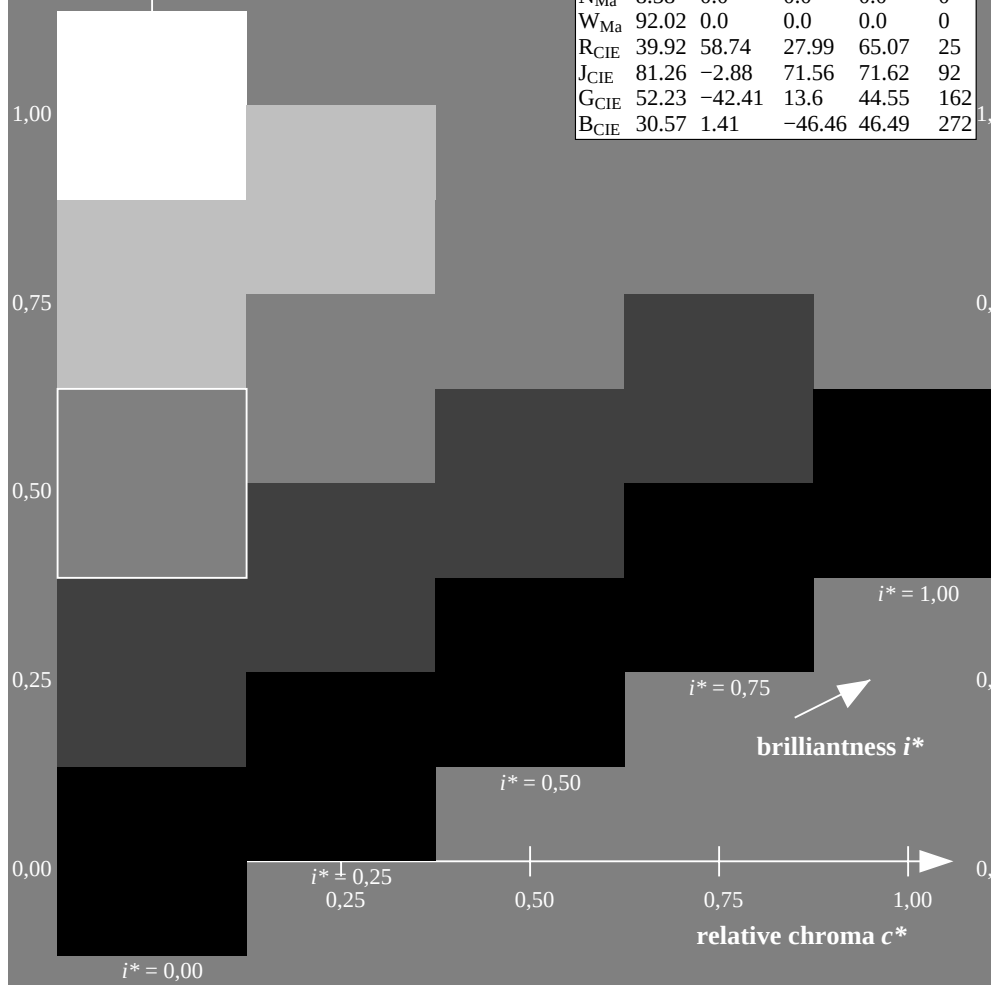
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

lab^*tch^* and lab^*icu^*

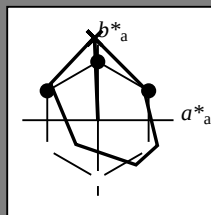
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -3 109

$LAB^*LCH^*_{Ma}$: 83 109 92

$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

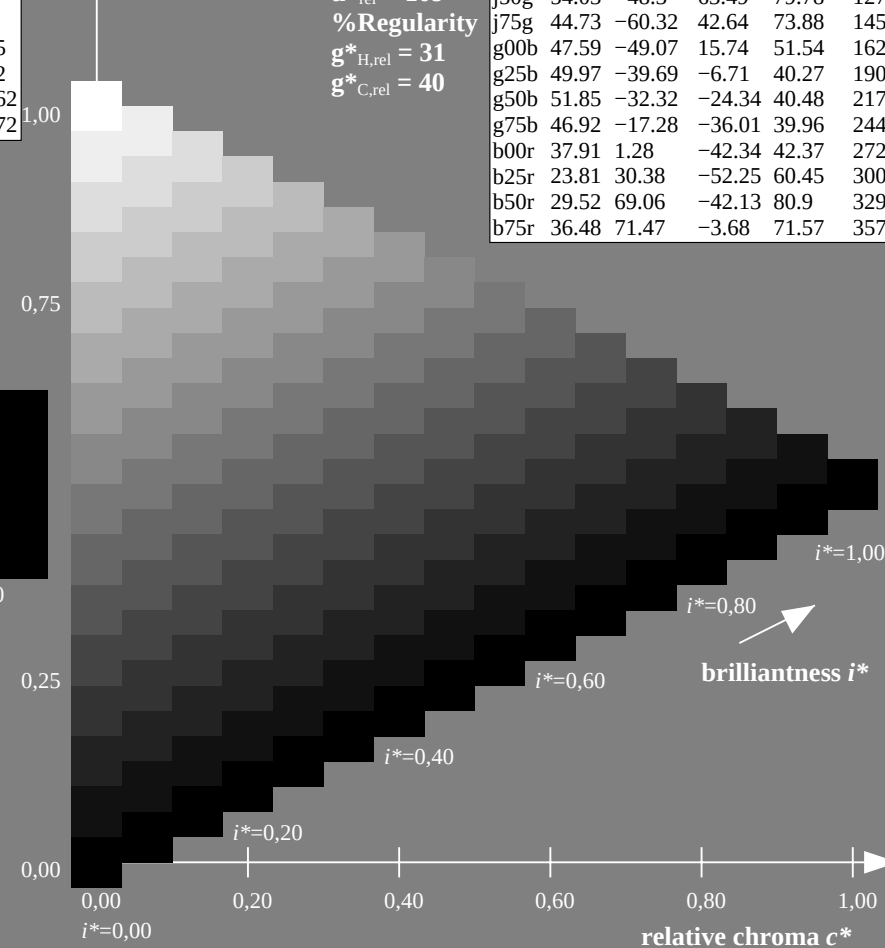
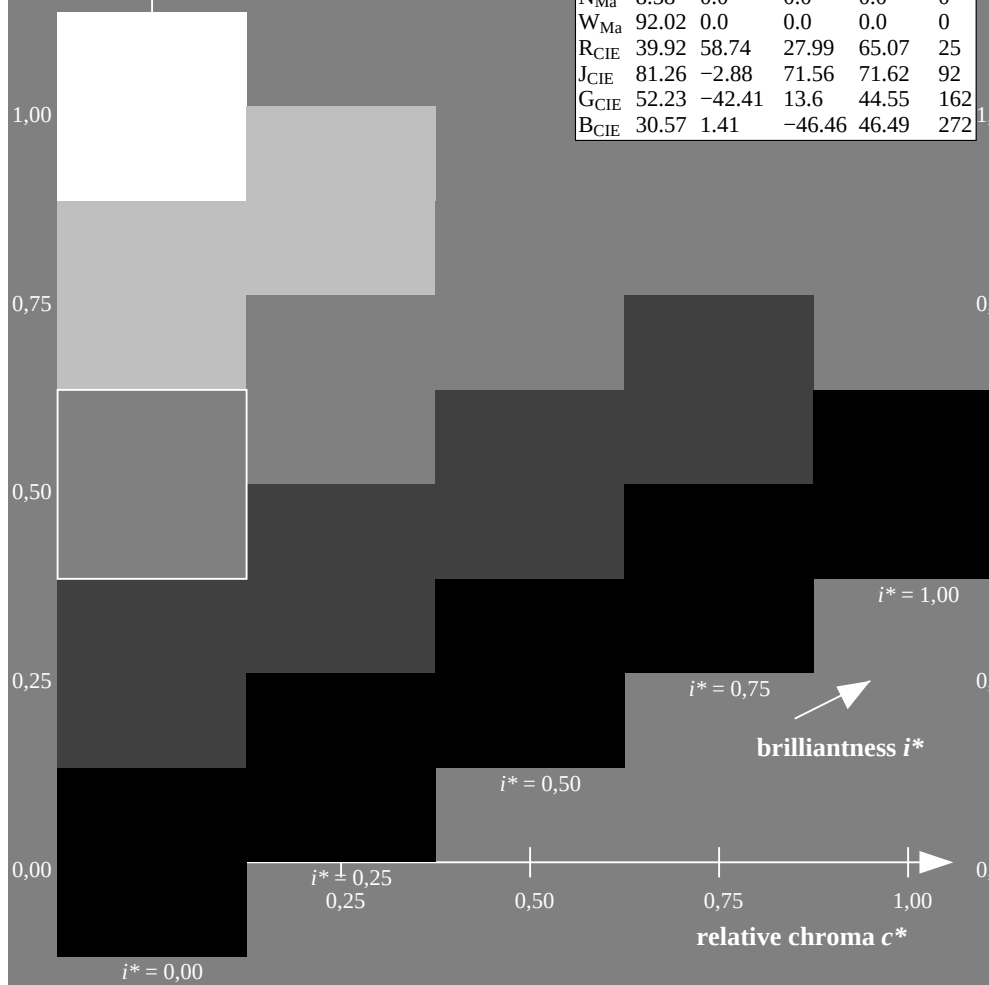
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

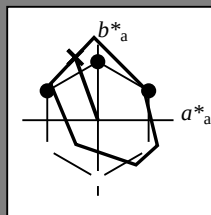
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -29 83

$LAB^*LCH^*_{Ma}$: 67 88 110

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

$lab^*olv^*_{Ma}$: 0.57 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

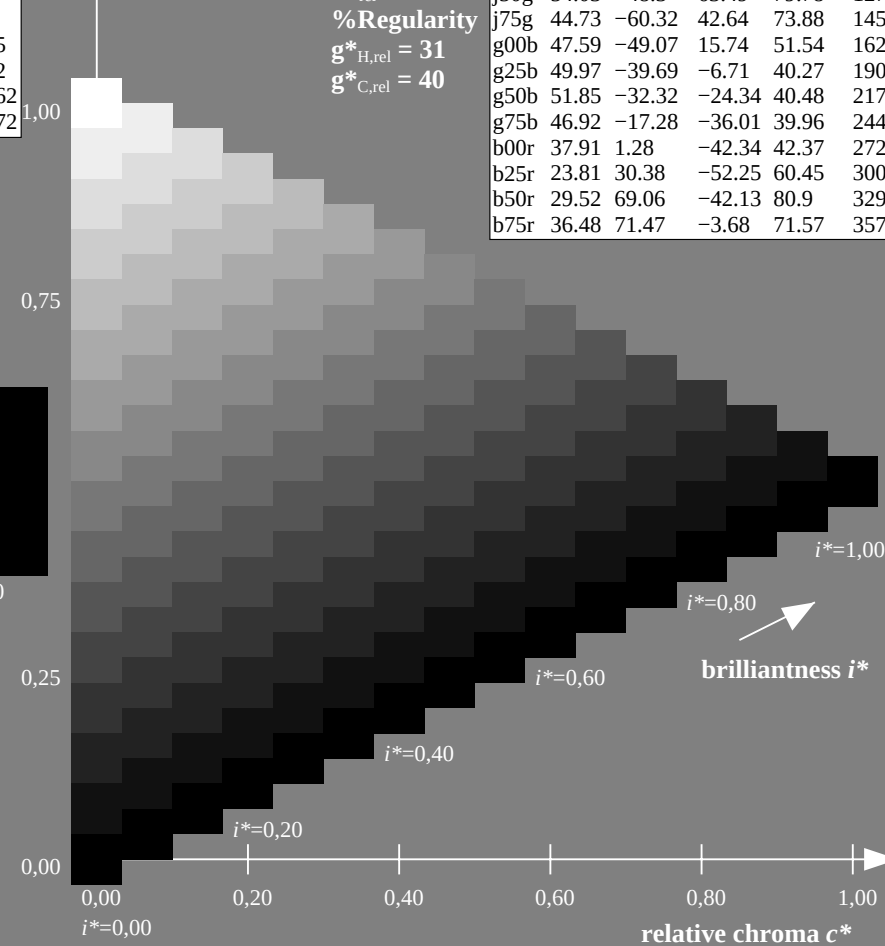
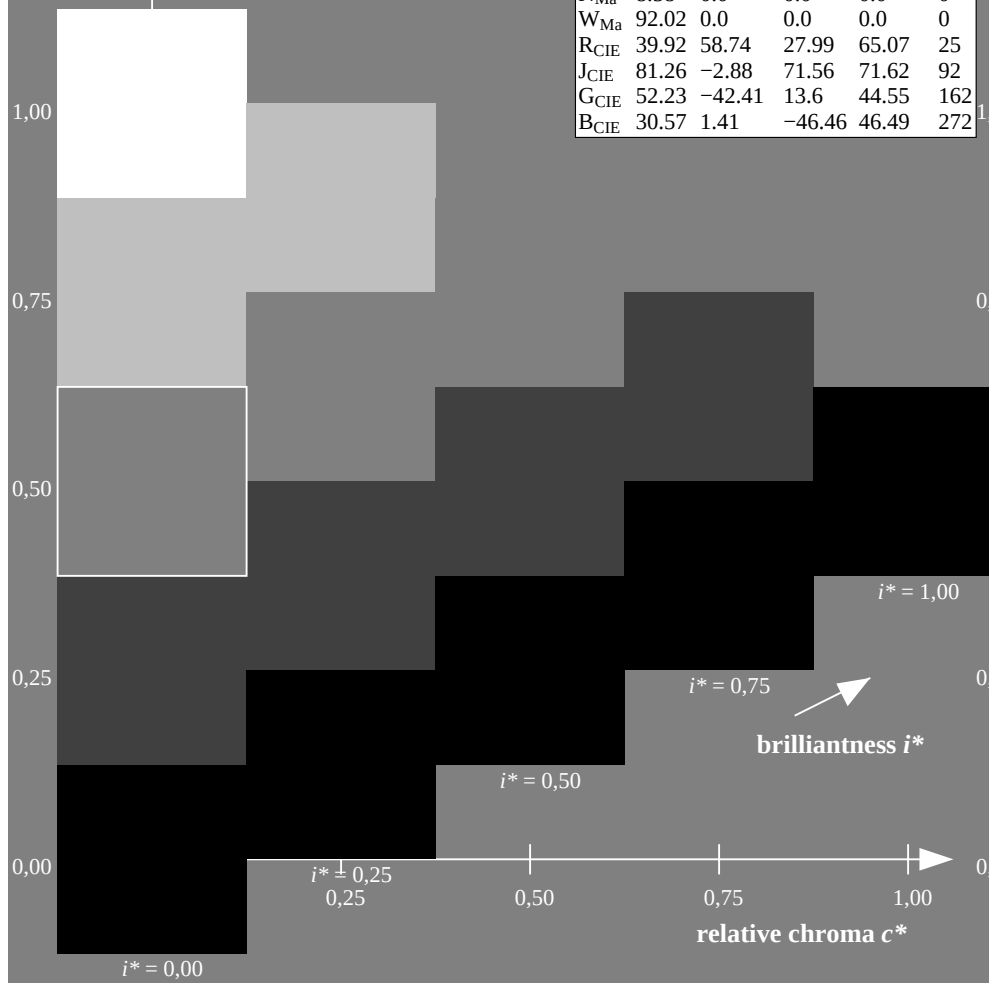
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

lab^*tch^* and lab^*icu^*

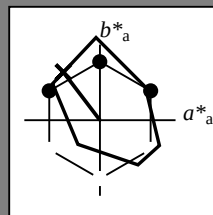
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -47 63

$LAB^*LCH^*_{Ma}$: 54 80 127

$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0

$lab^*olv^*_{Ma}$: 0.25 1.0 0.0

triangle lightness t^*

%Gamut

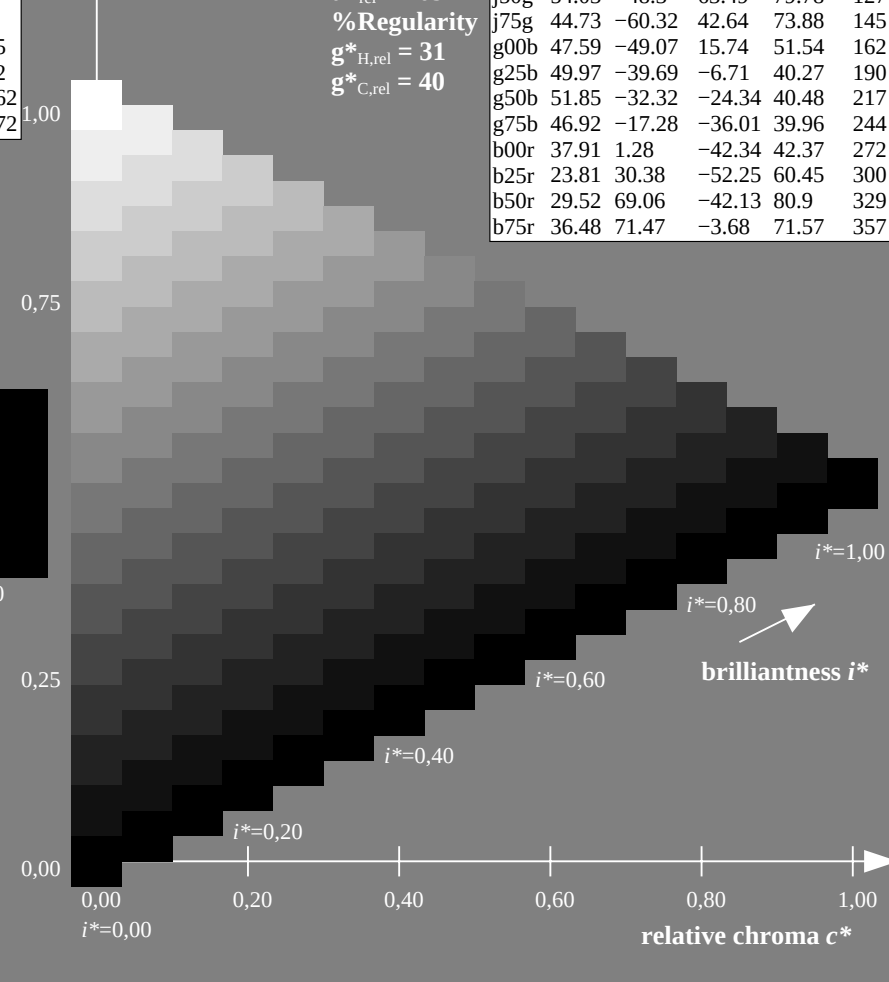
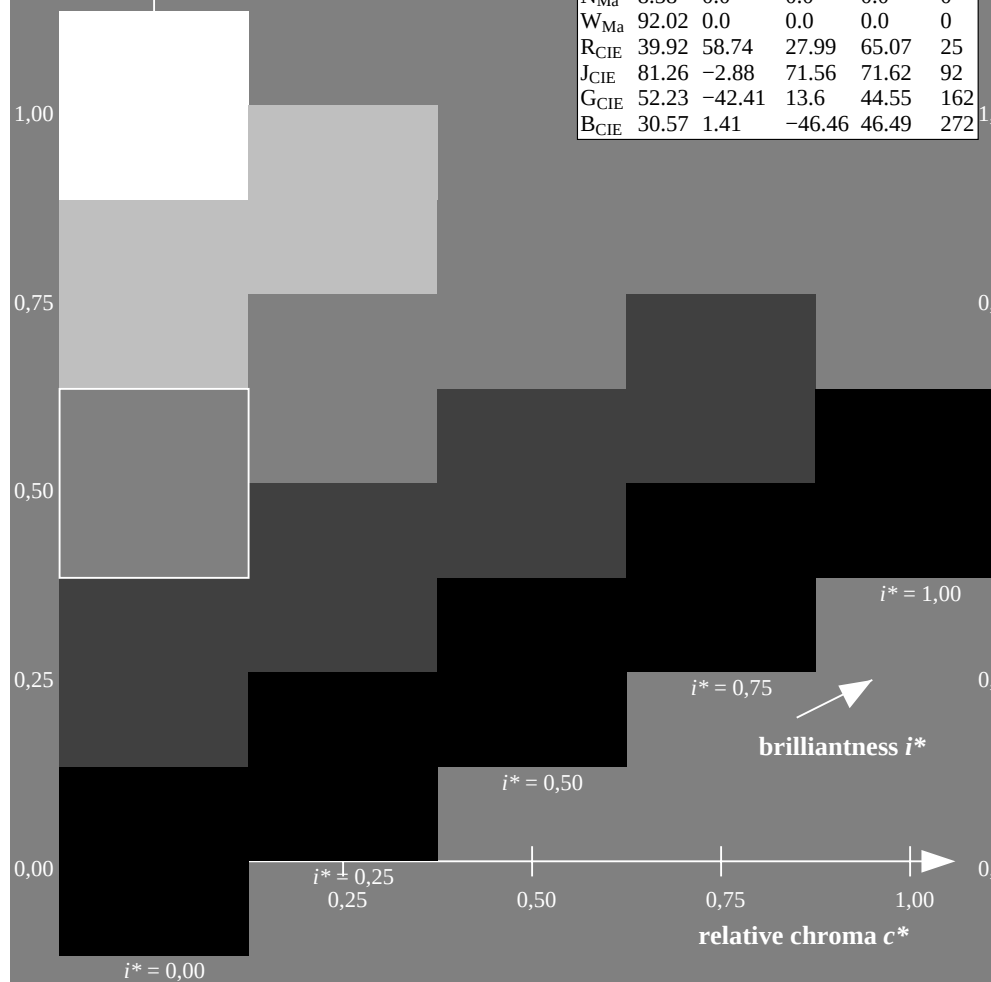
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

lab^*tch^* and lab^*icu^*

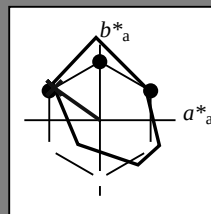
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -59 43

$LAB^*LCH^*_{Ma}$: 45 74 145

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.07

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

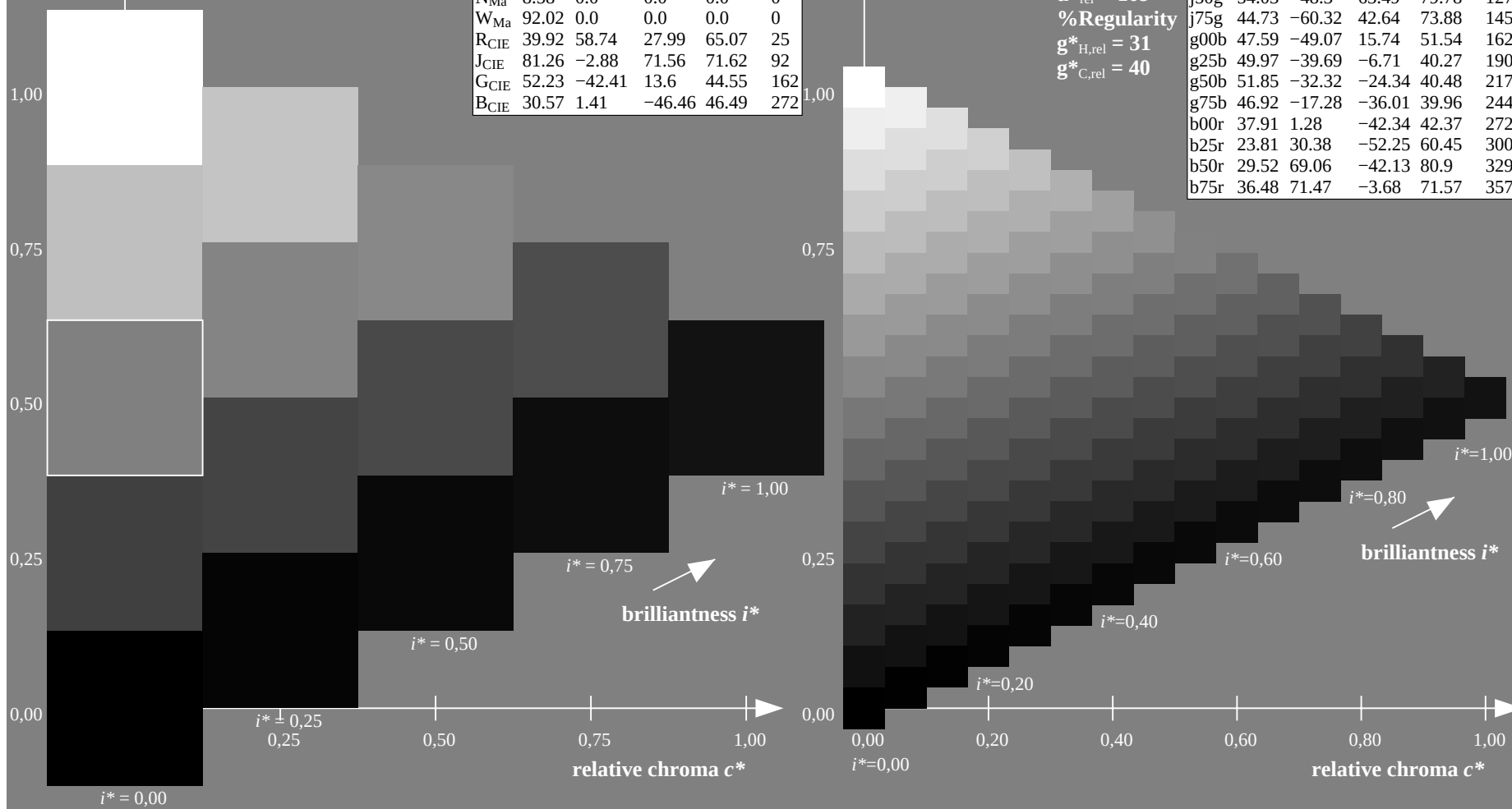
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

lab^*tch^* and lab^*icu^*

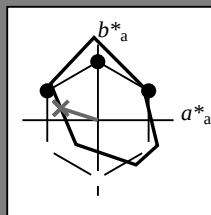
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -48 16

$LAB^*LCH^*_{Ma}$: 48 52 162

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.41

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

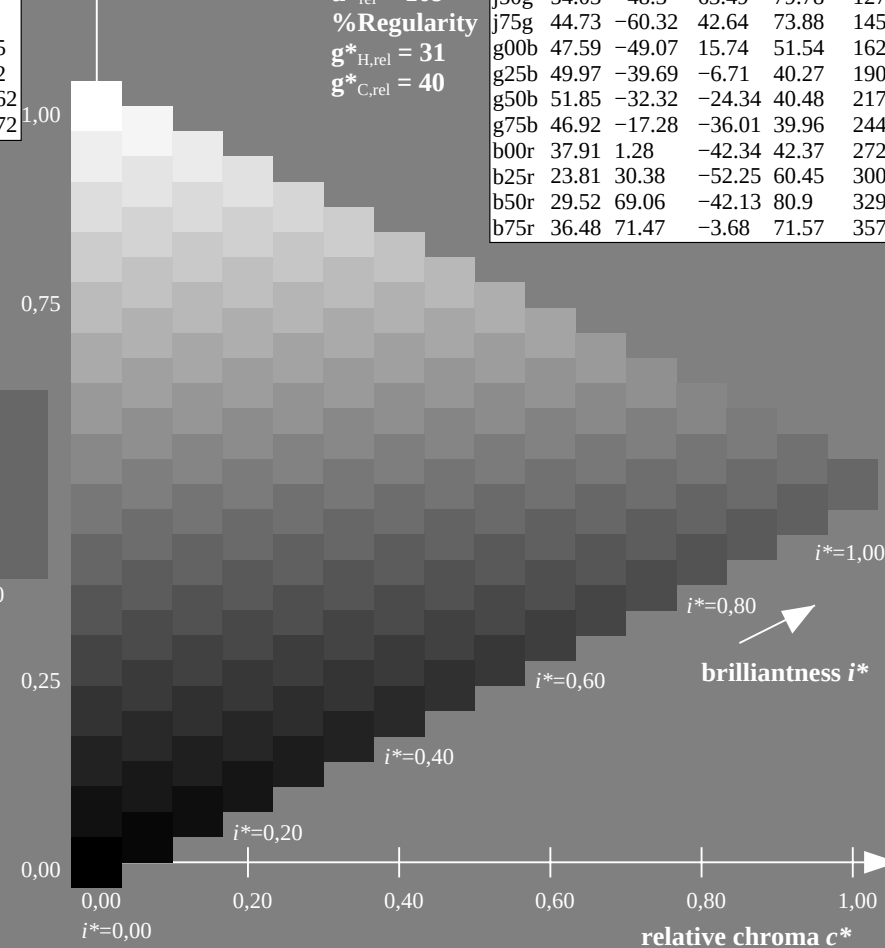
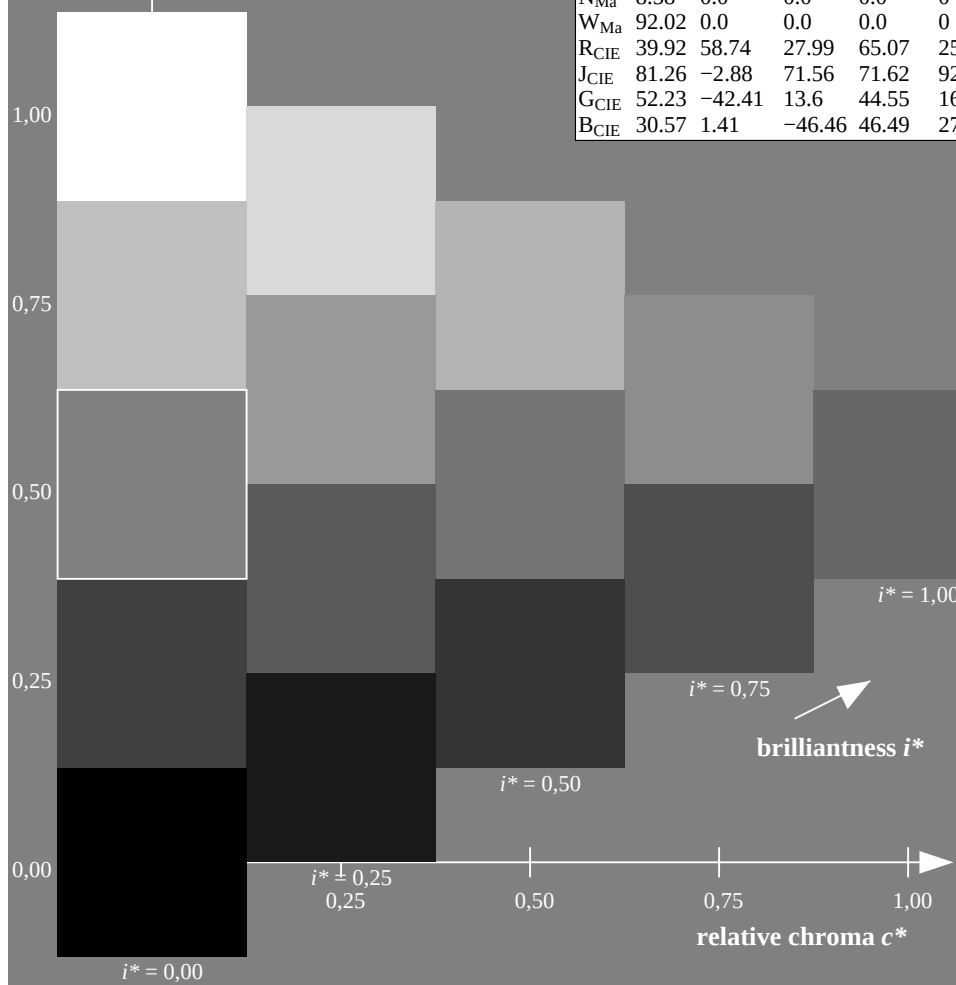
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

lab^*tch^* and lab^*icu^*

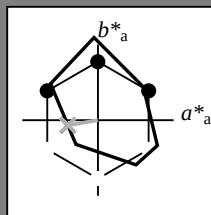
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -39 -6

$LAB^*LCH^*_{Ma}$: 50 40 190

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5

$lab^*olv^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

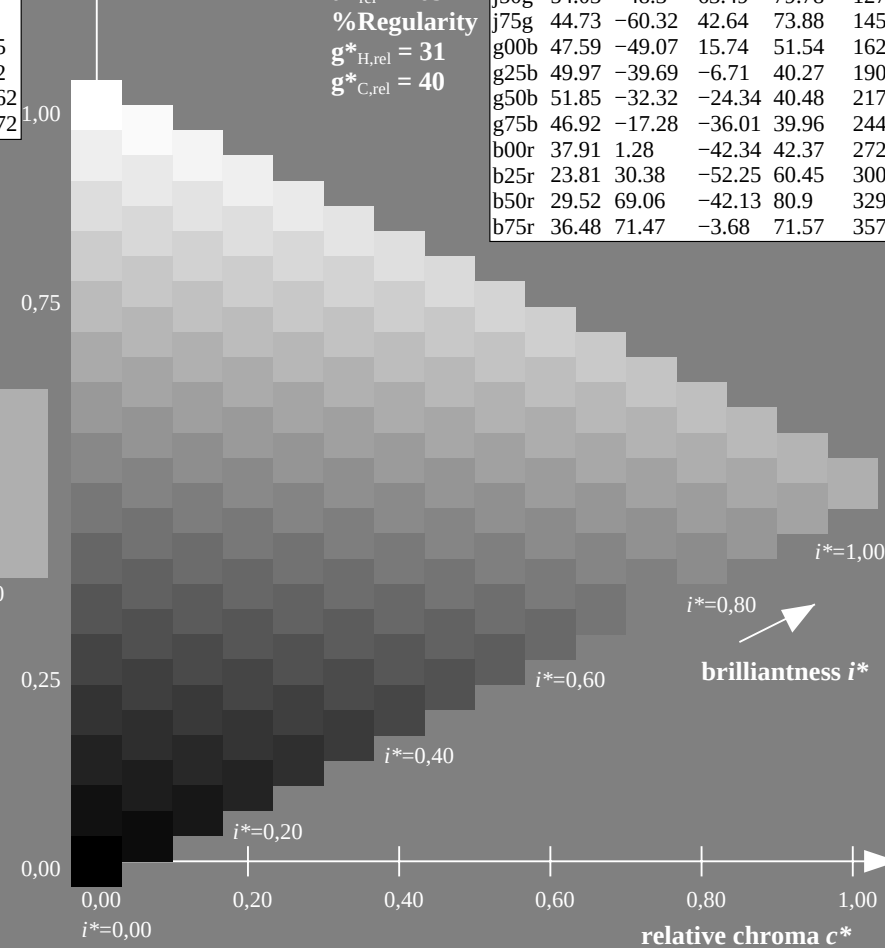
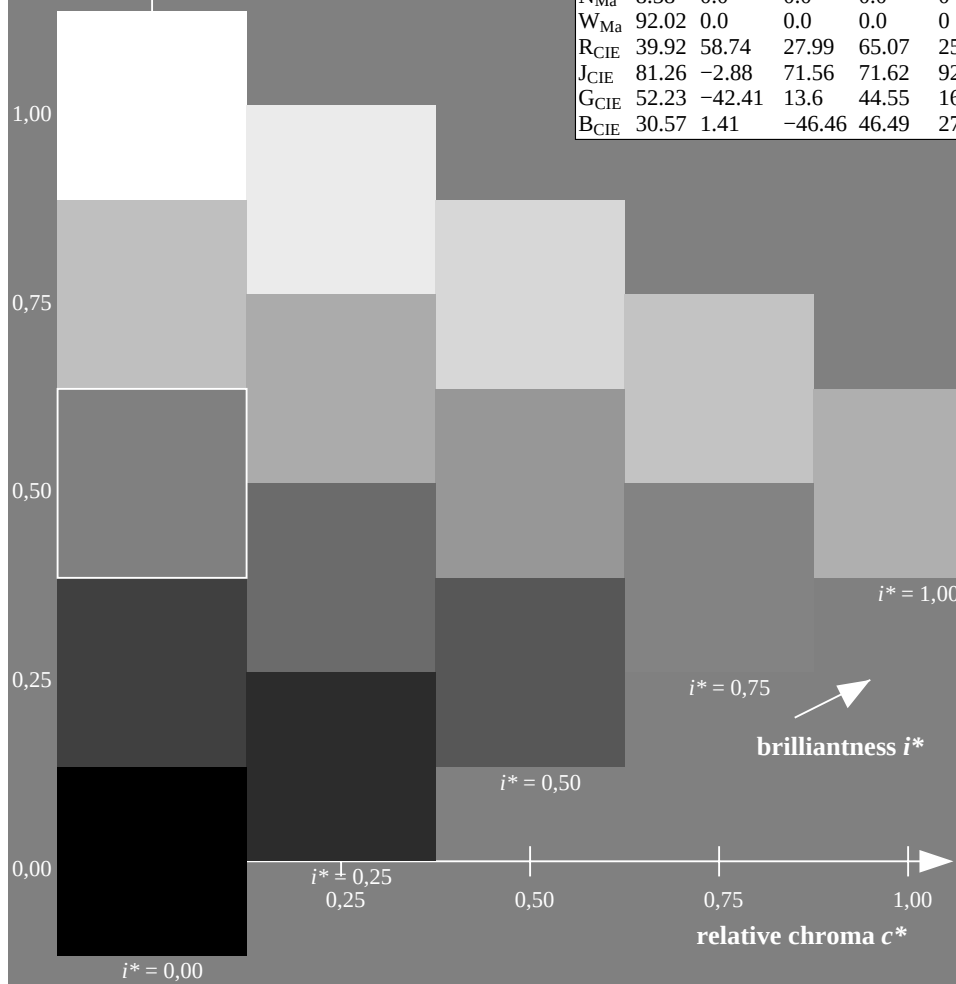
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

lab^*tch^* and lab^*icu^*

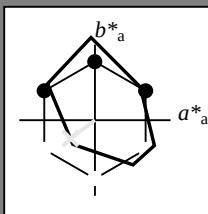
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -31 -23

$LAB^*LCH^*_{Ma}$: 52 40 217

$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.9

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

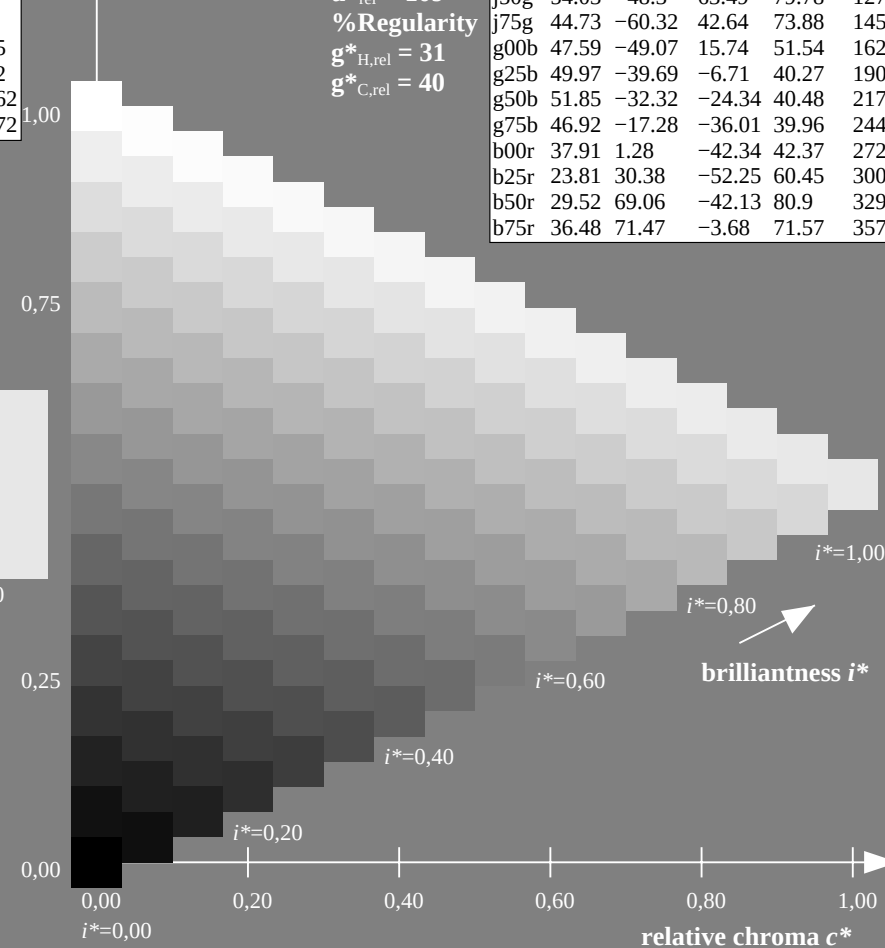
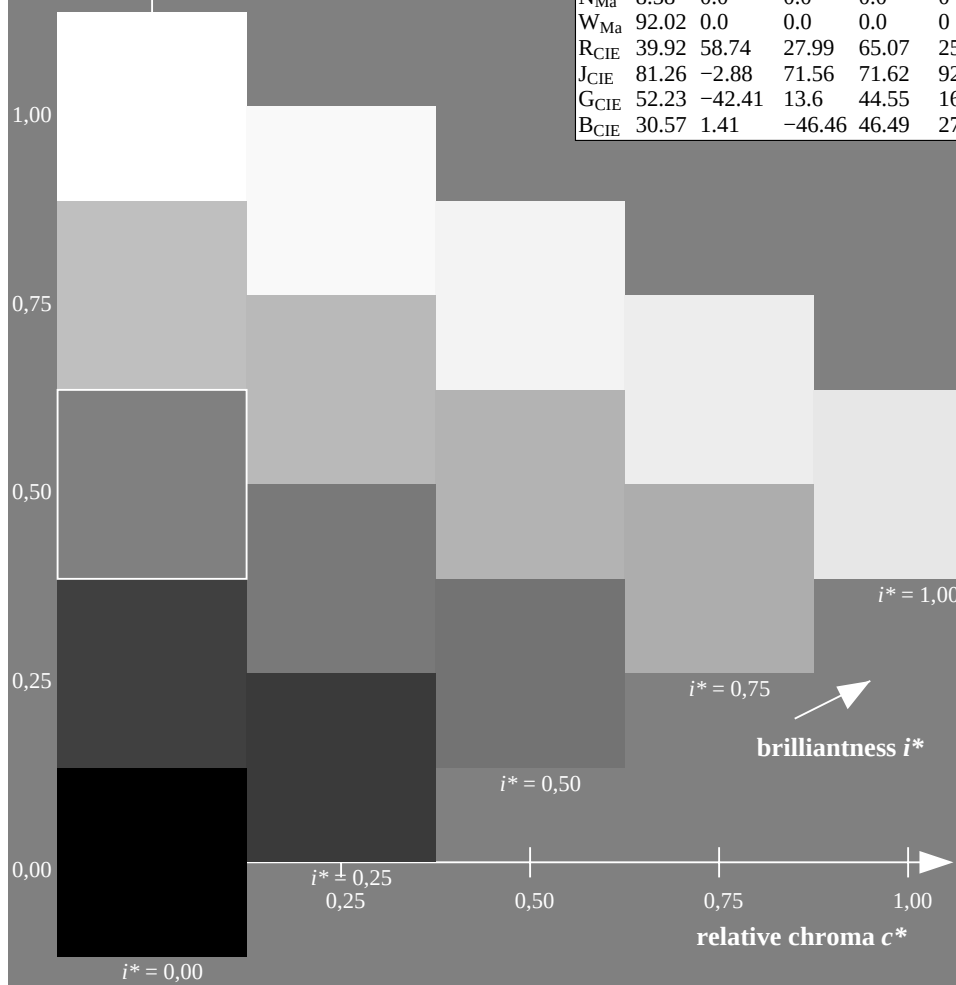
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

lab^*tch^* and lab^*icu^*

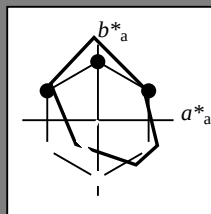
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -16 -35

$LAB^*LCH^*_{Ma}$: 47 40 244

$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0

$lab^*olv^*_{Ma}$: 0.0 0.85 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

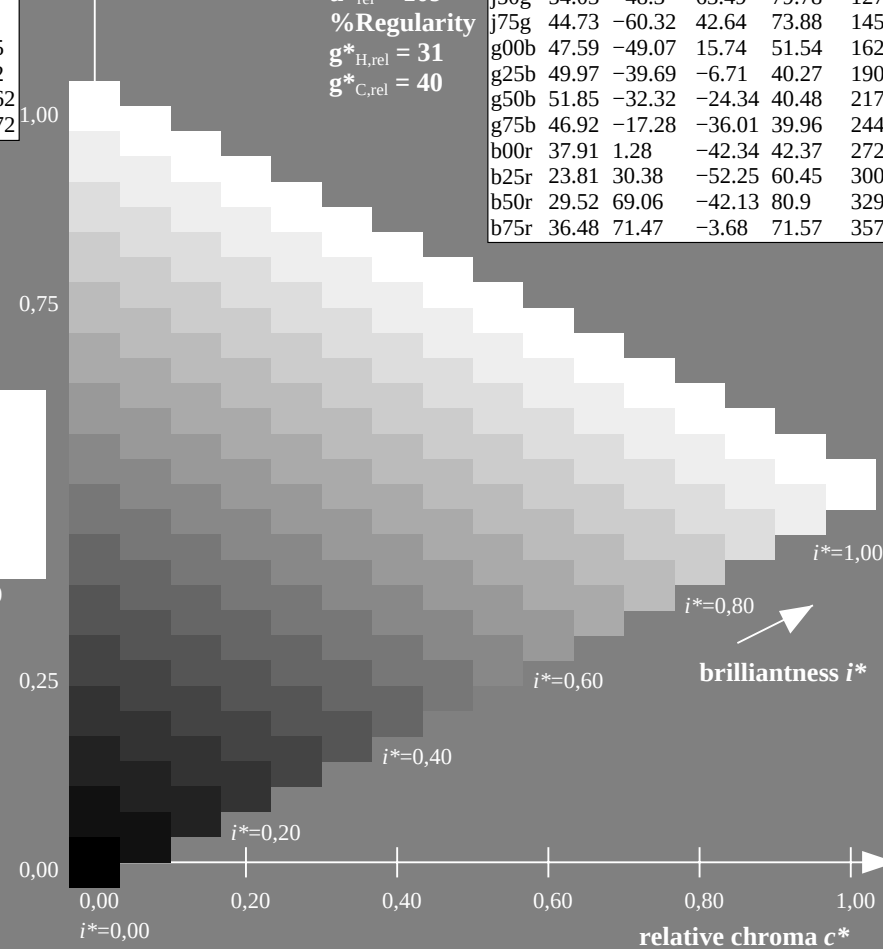
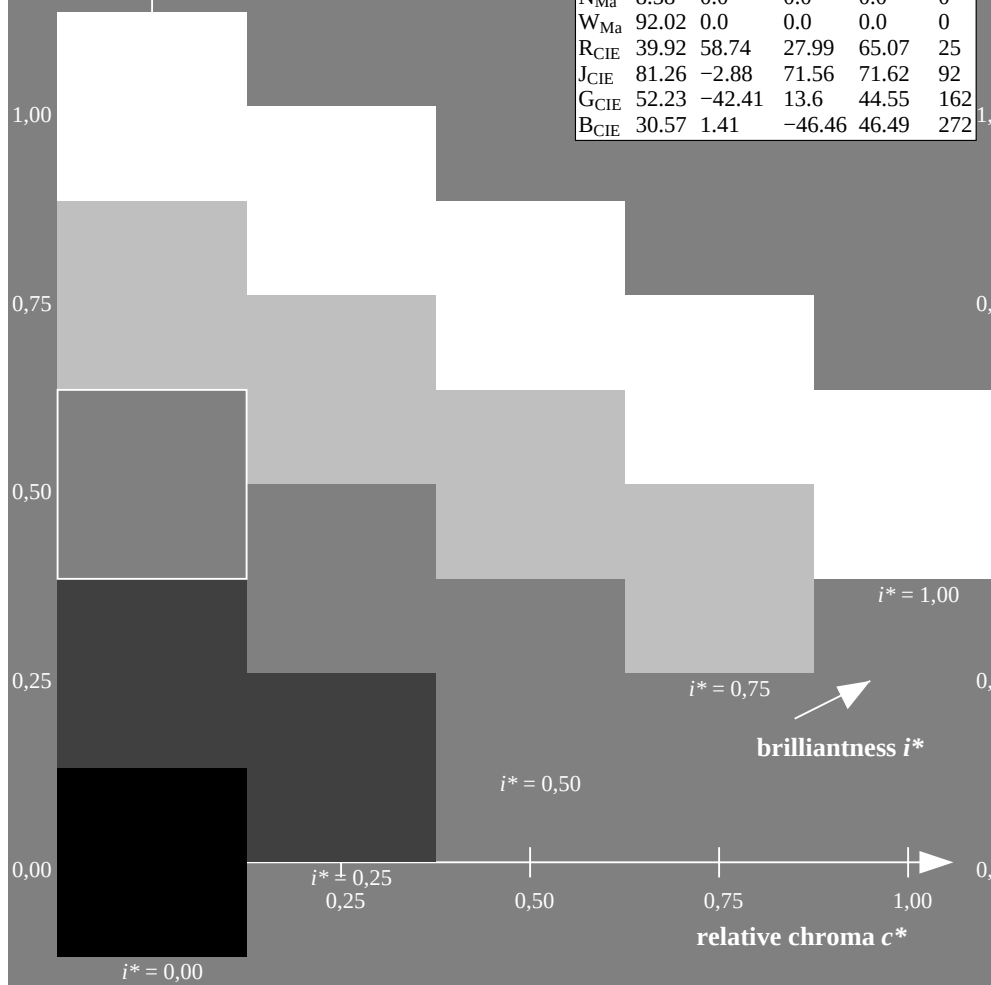
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

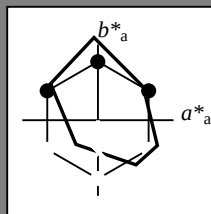
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -41

$LAB^*LCH^*_{Ma}$: 38 42 272

$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

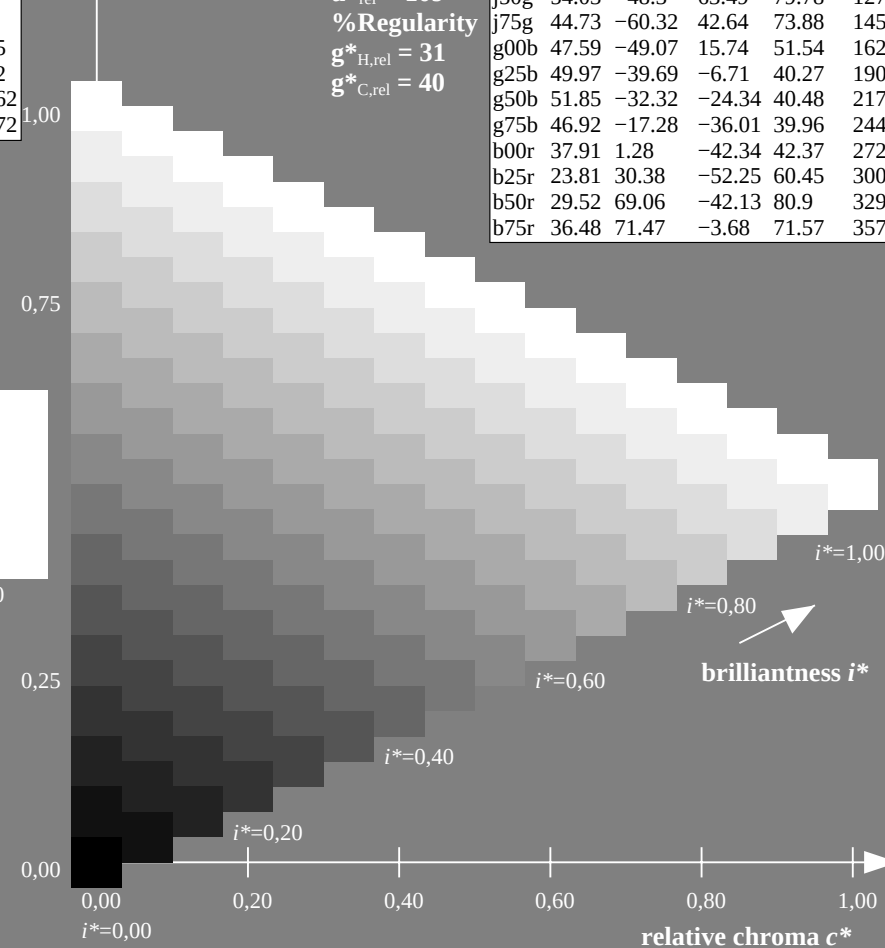
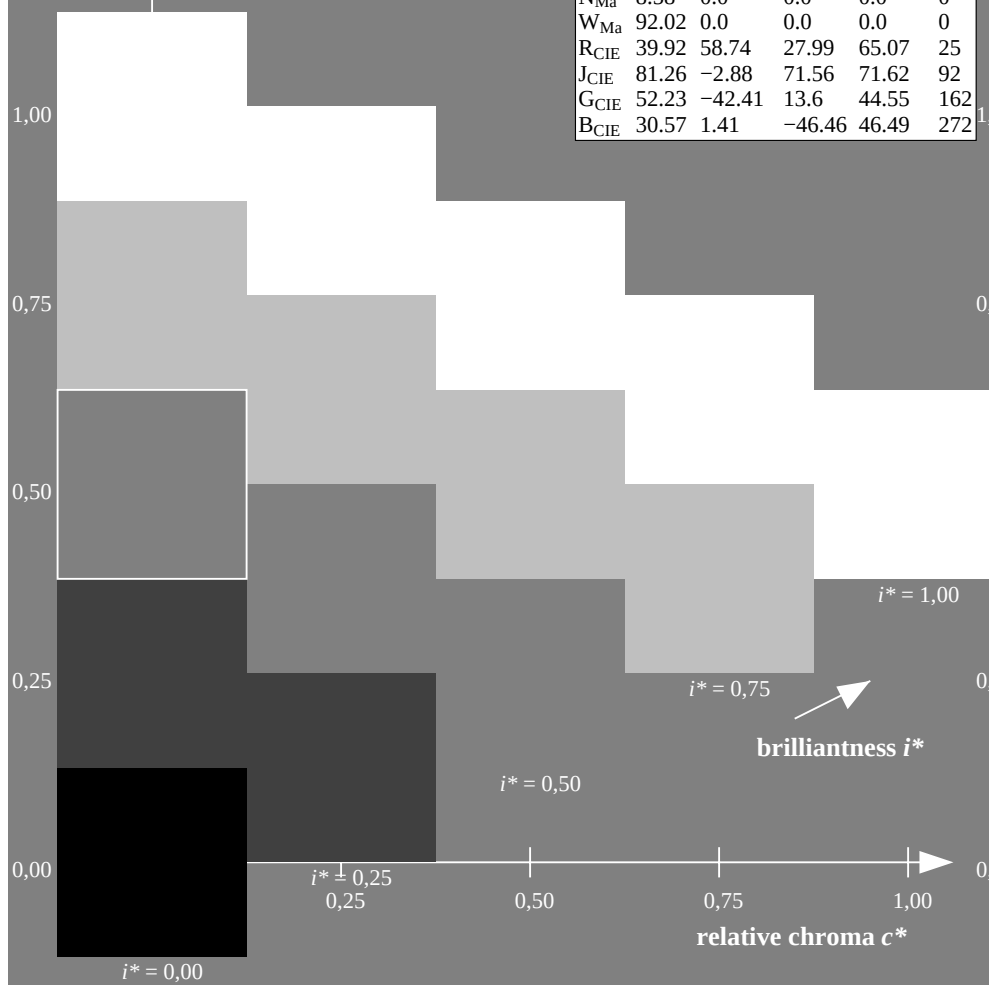
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

lab^*tch^* and lab^*icu^*

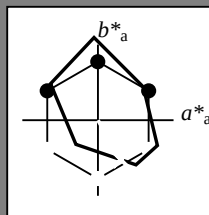
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -51

$LAB^*LCH^*_{Ma}$: 24 60 300

$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.25 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

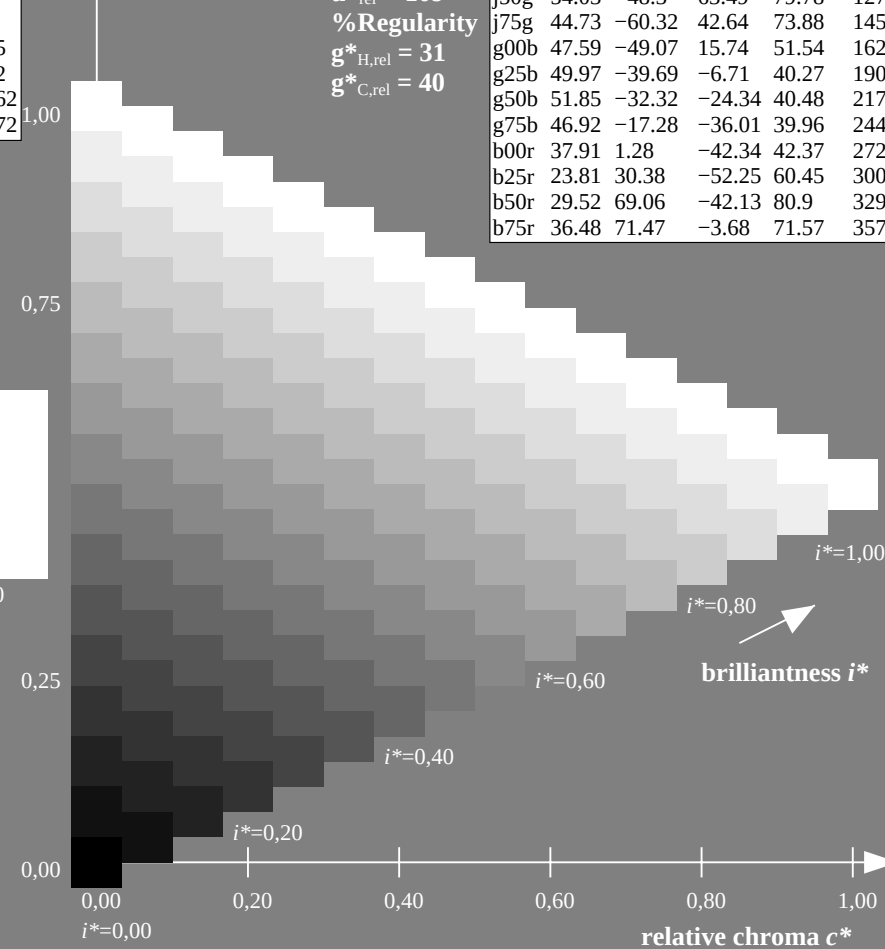
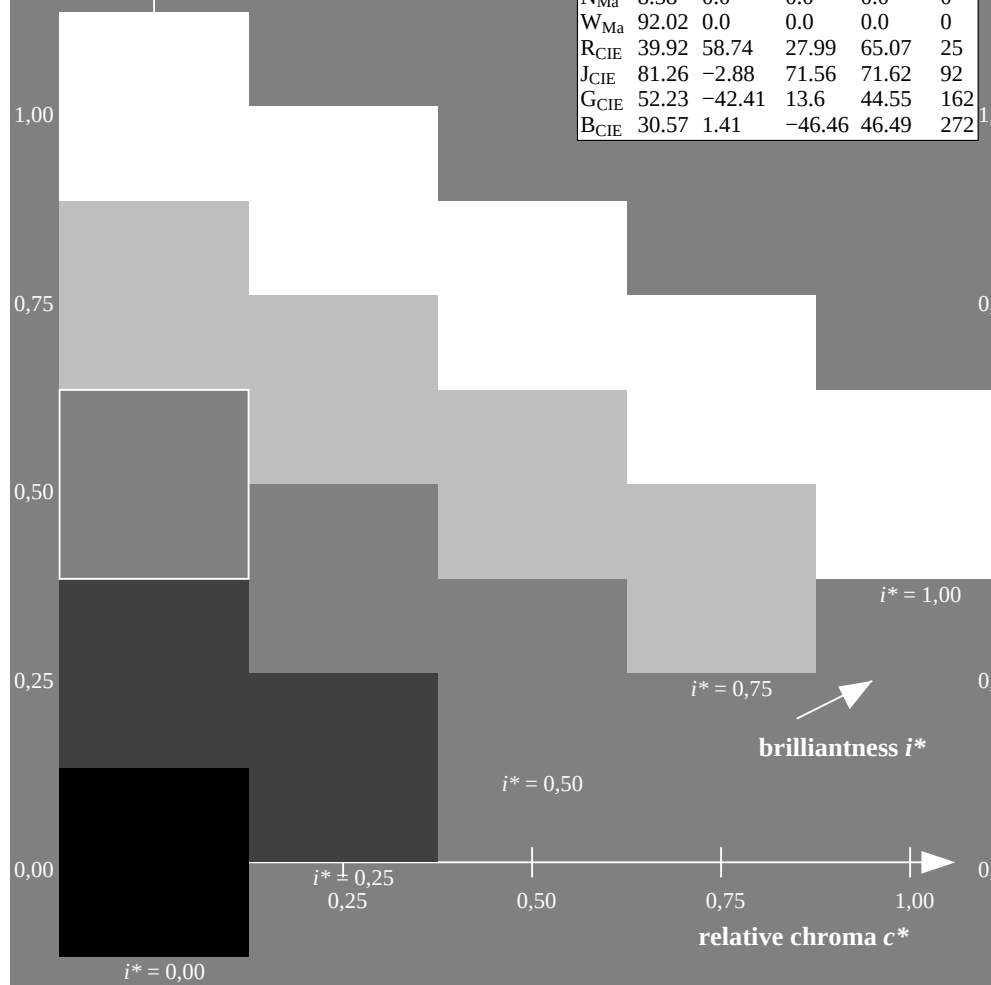
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

lab^*tch^* and lab^*icu^*

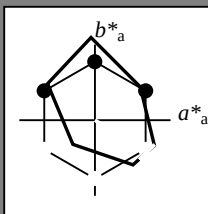
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -41

$LAB^*LCH^*_{Ma}$: 30 81 329

$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.66 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

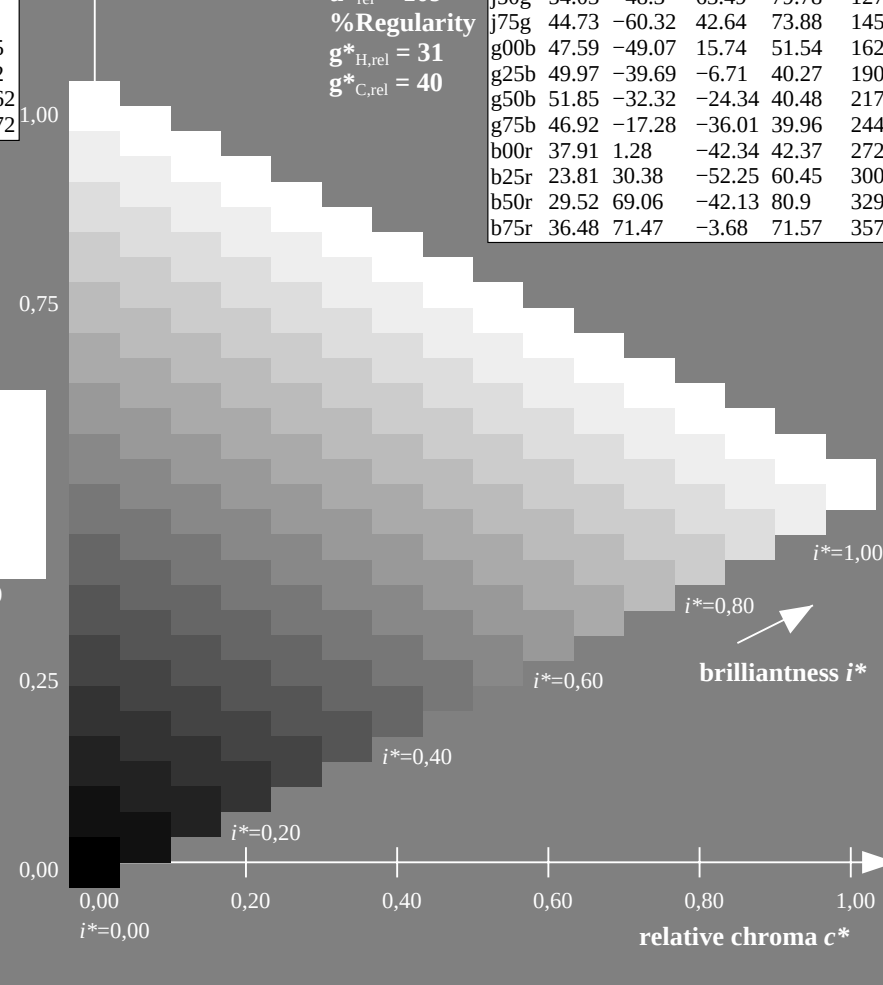
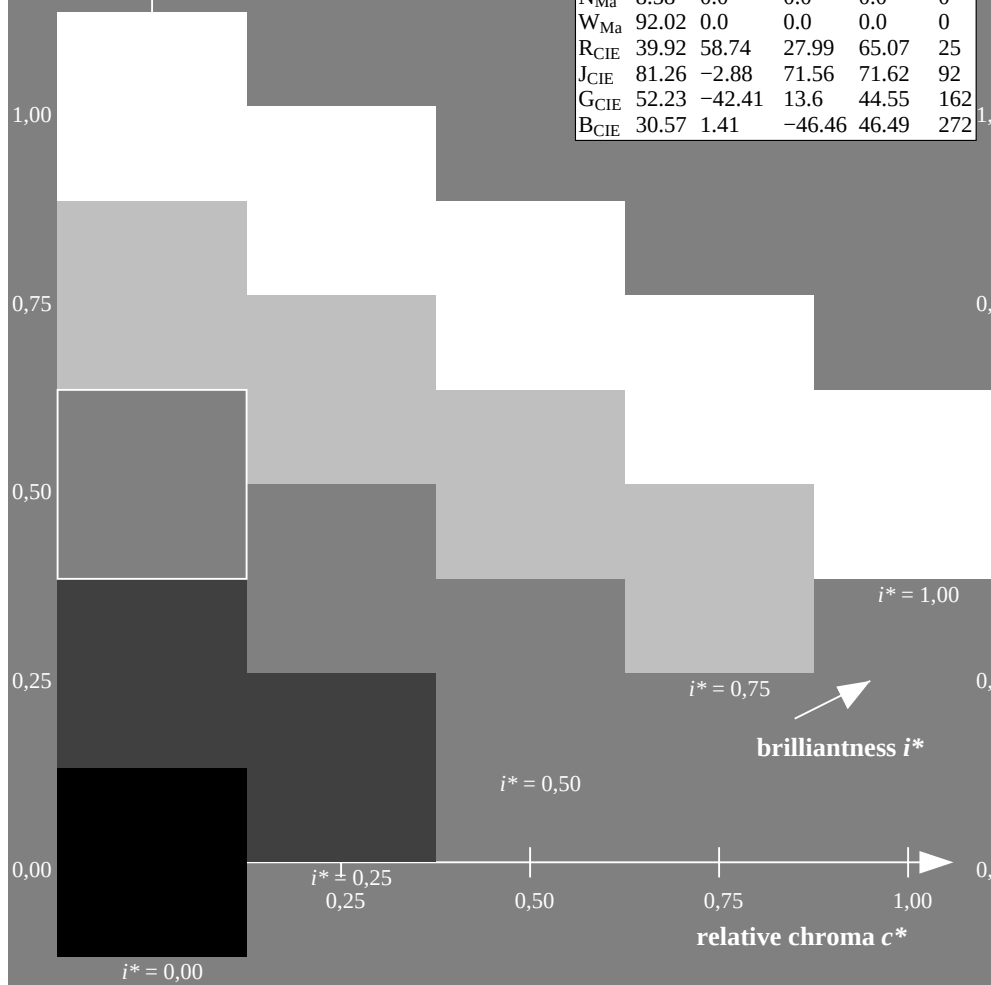
%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

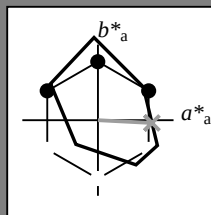
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.16	109.32	109.44	93
L _{Ma}	44.13	-62.66	48.24	79.09	142
C _{Ma}	52.66	-29.13	-31.98	43.27	228
V _{Ma}	14.15	50.3	-59.03	77.57	310
M _{Ma}	37.37	78.64	-33.49	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -3

$LAB^*LCH^*_{Ma}$: 36 72 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.62

triangle lightness t^*

%Gamut

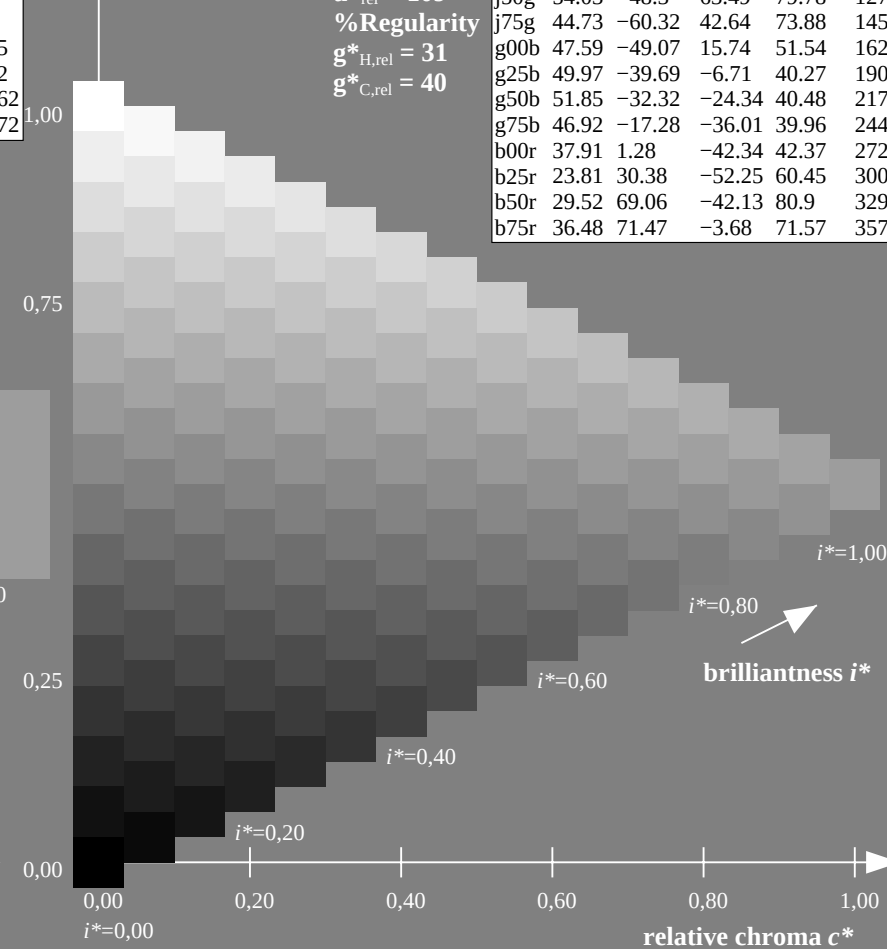
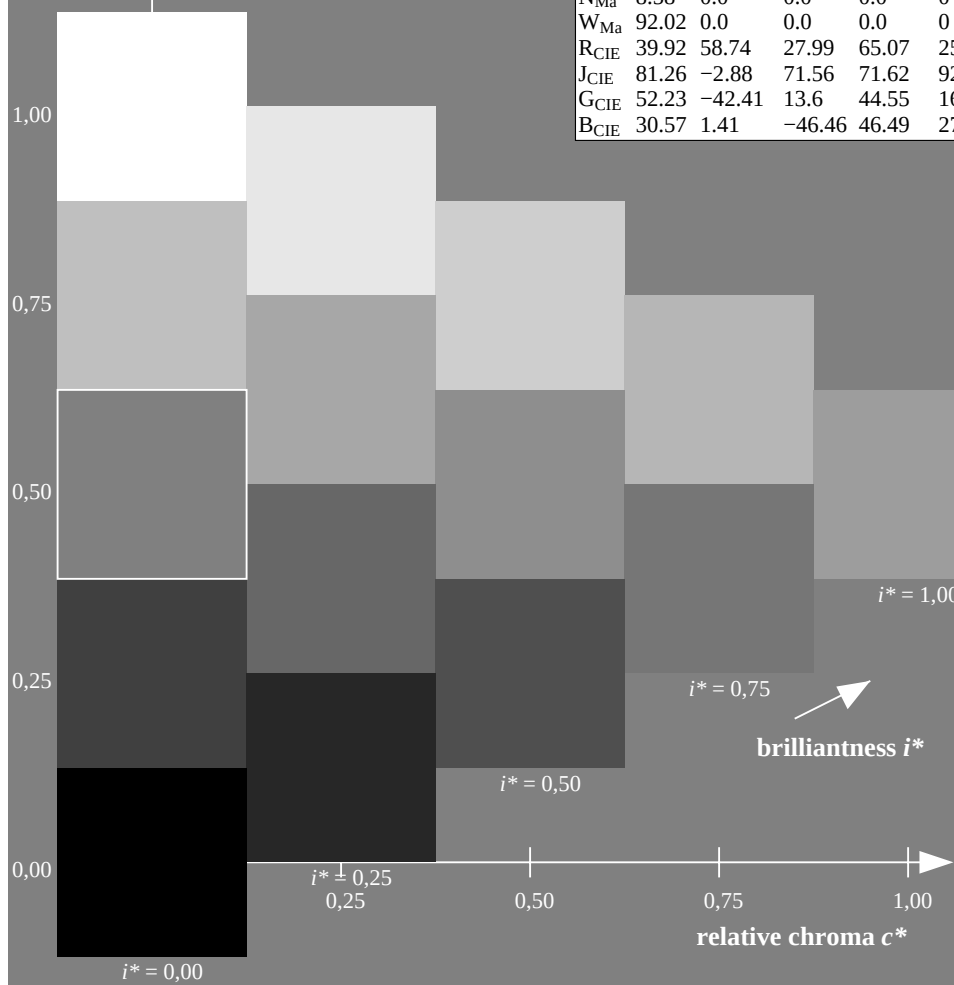
$u^*_{rel} = 109$

%Regularity

$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	73.88	145
g00b	47.59	-49.07	15.74	51.54	162
g25b	49.97	-39.69	-6.71	40.27	190
g50b	51.85	-32.32	-24.34	40.48	217
g75b	46.92	-17.28	-36.01	39.96	244
b00r	37.91	1.28	-42.34	42.37	272
b25r	23.81	30.38	-52.25	60.45	300
b50r	29.52	69.06	-42.13	80.9	329
b75r	36.48	71.47	-3.68	71.57	357



See for similar files: <http://www.ps.bam.de/De70/>; www.ps.bam.de/De70/De70.L70E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20080701-De70/10L/L70E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

