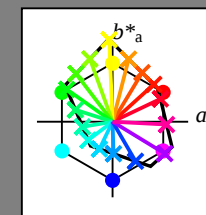


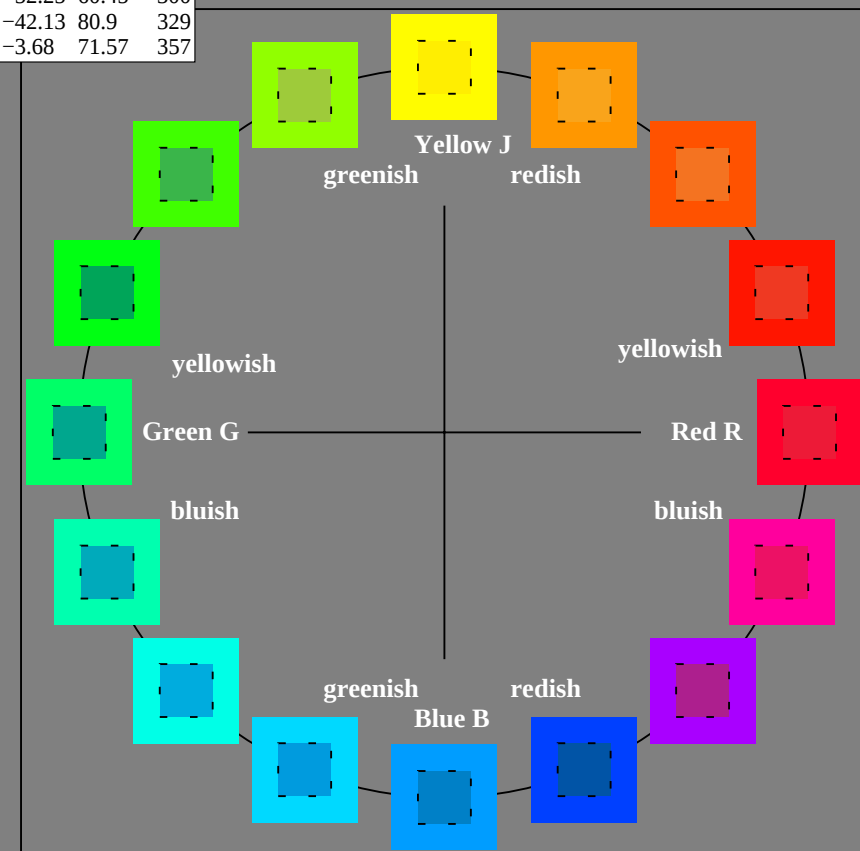
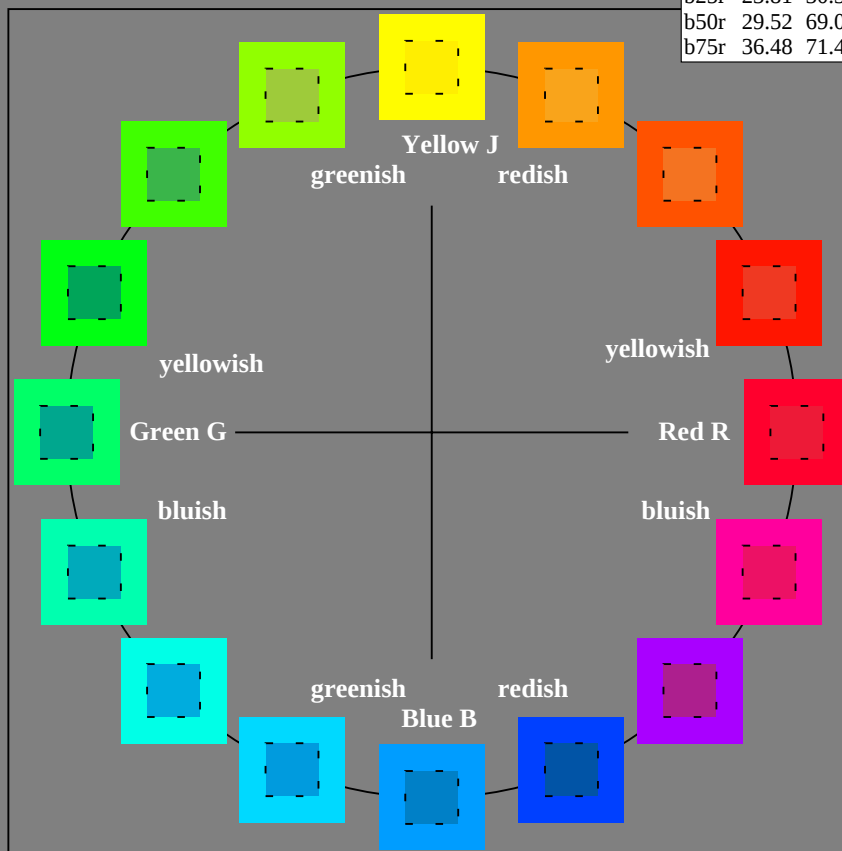
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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^*

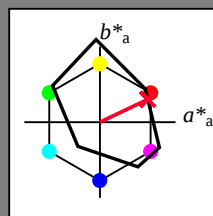
elementary hue text:

$u^* = r00j$

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

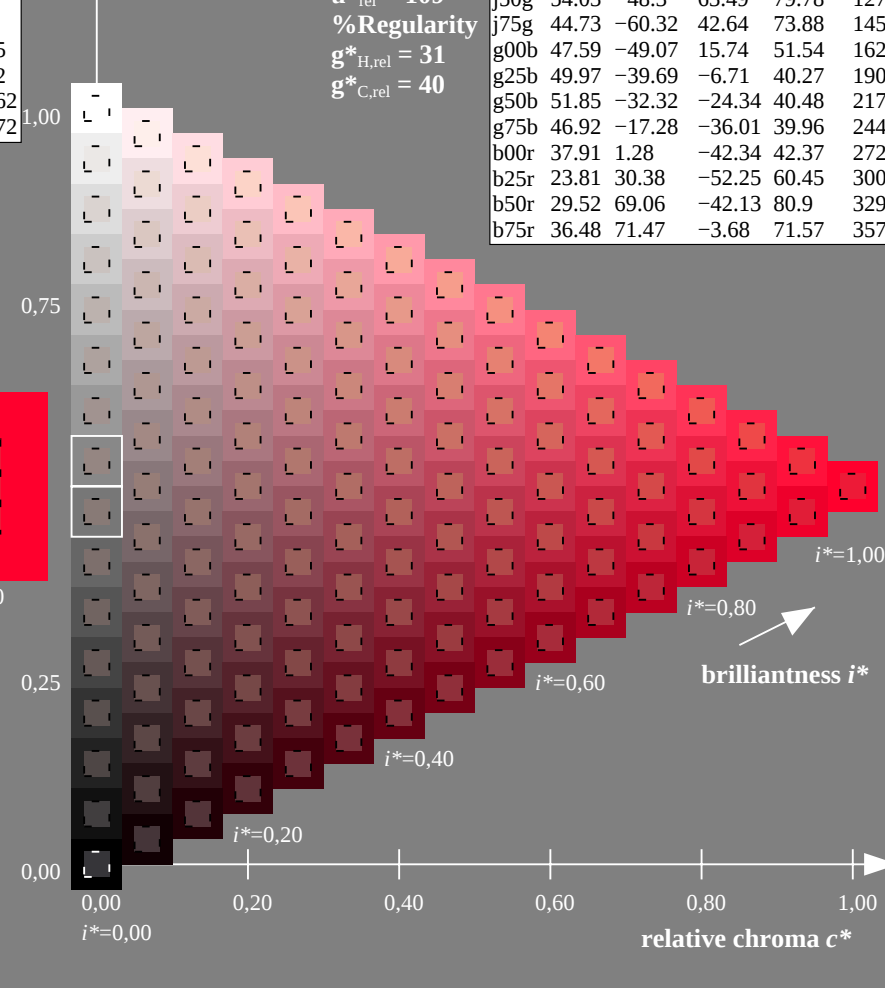
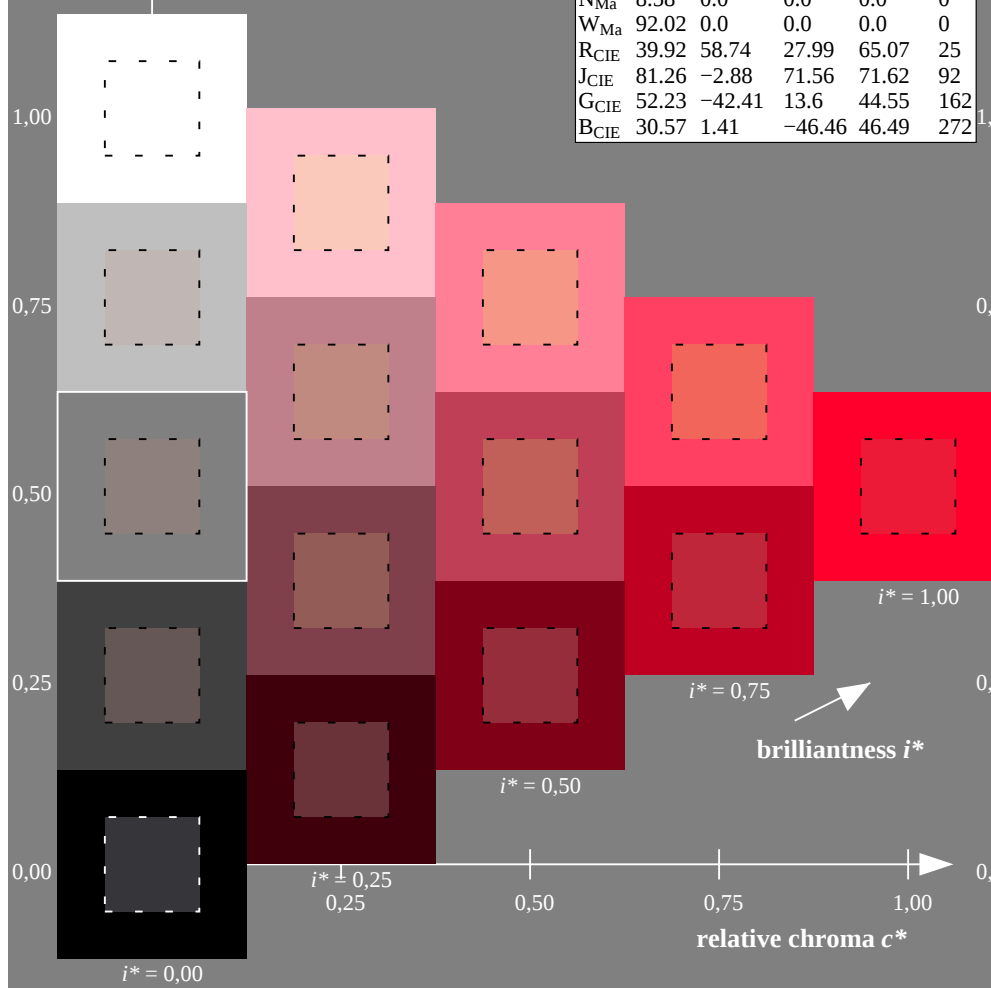
$u^*_{rel} = 109$

%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^*

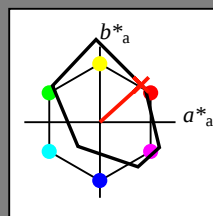
elementary hue text:

$u^* = r25j$

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

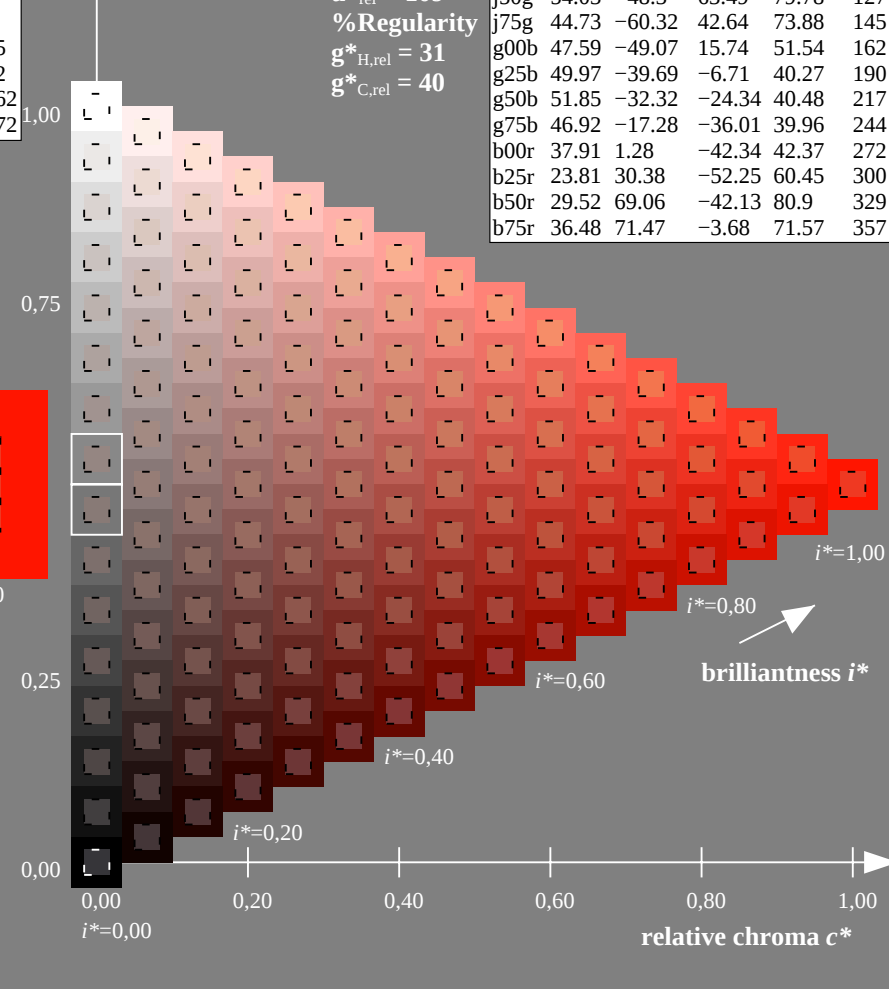
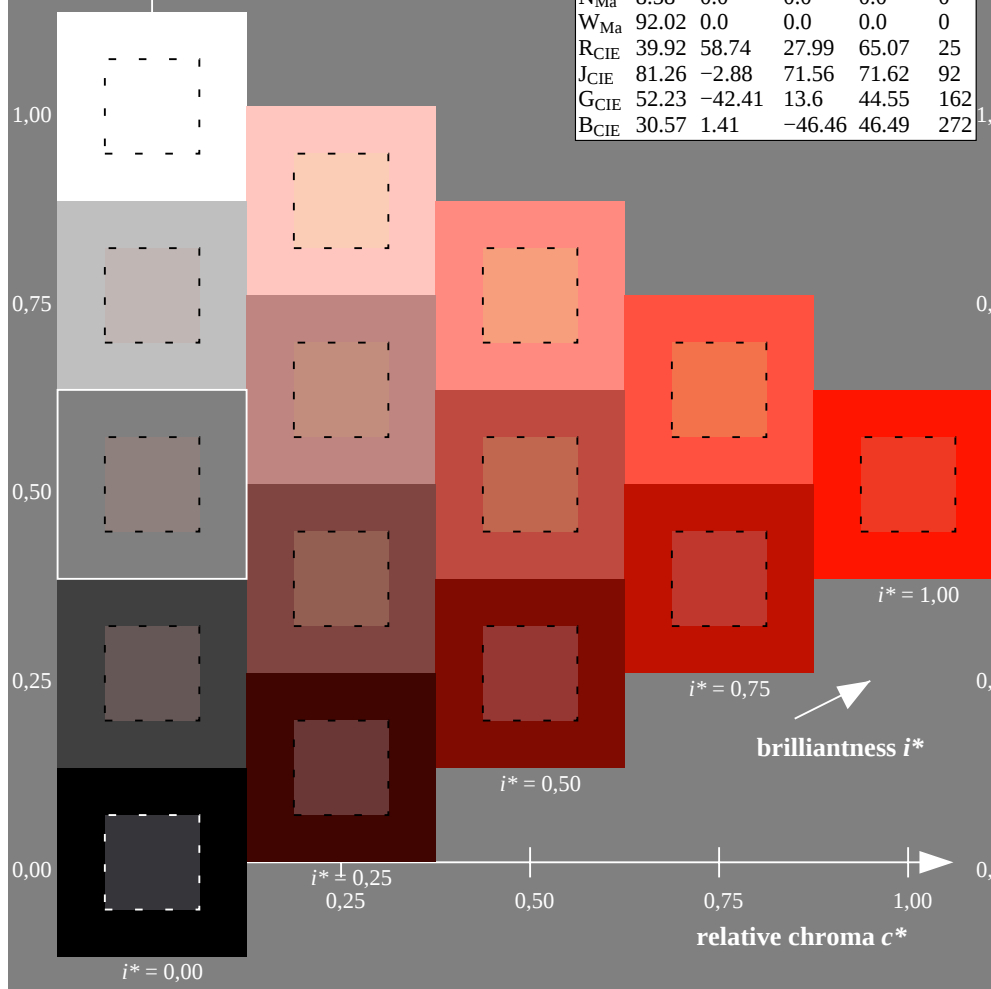
$u^*_{rel} = 109$

%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^*

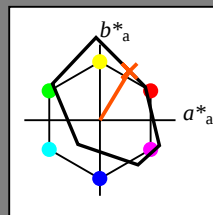
elementary hue text:

$u^* = r50j$

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

$u^*_{rel} = 109$

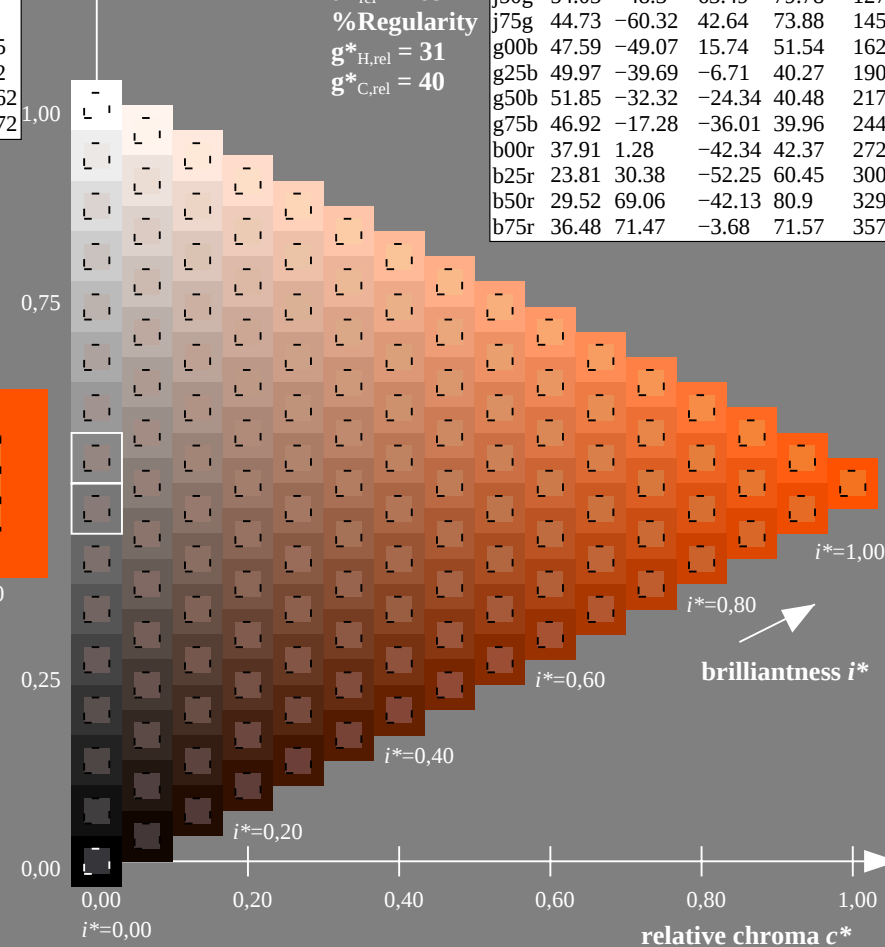
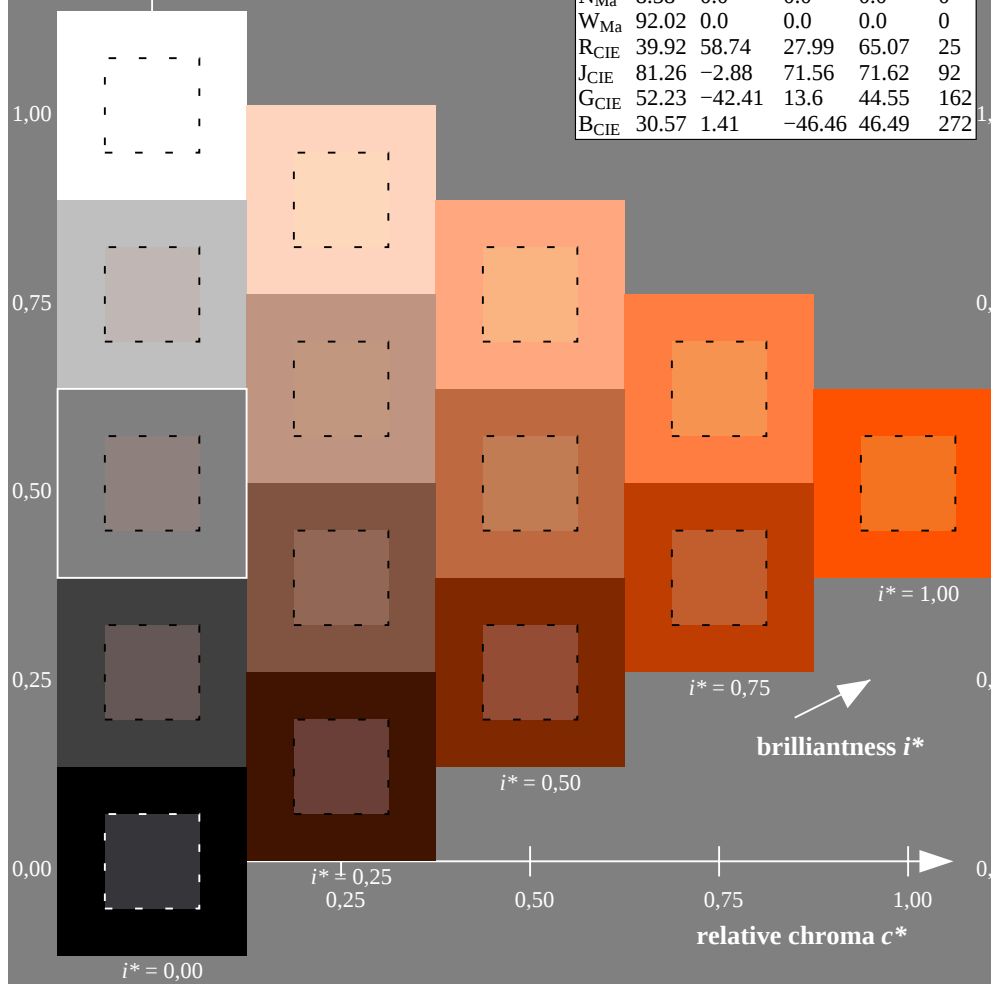
%Regularity

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

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

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^*

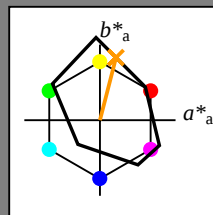
elementary hue text:

$u^* = r75j$

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

$u^*_{rel} = 109$

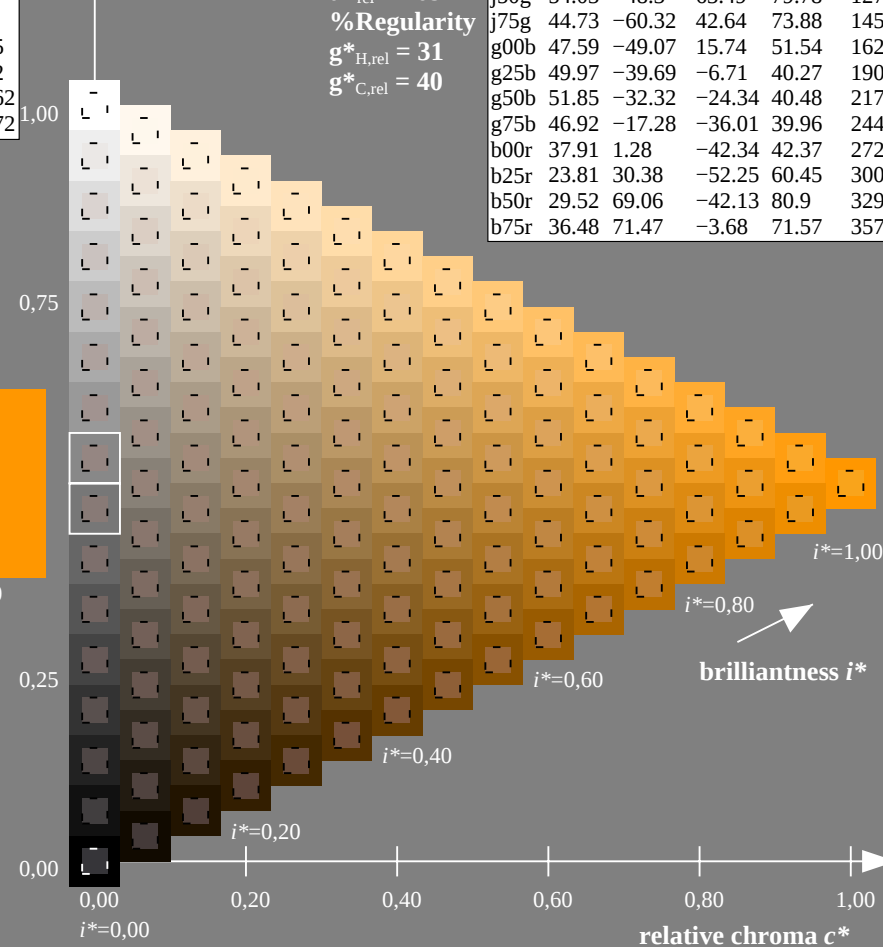
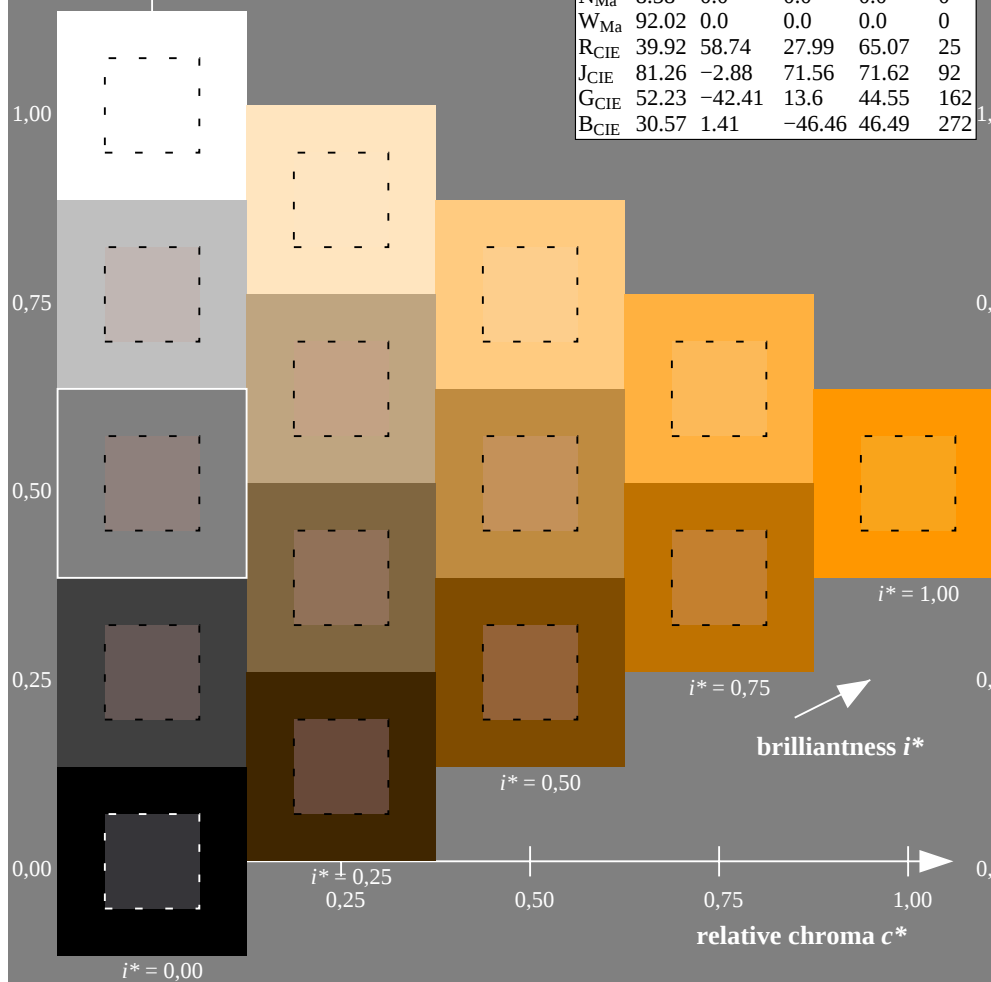
%Regularity

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

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

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^*

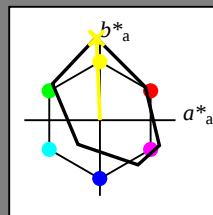
elementary hue text:

$u^* = j00g$

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

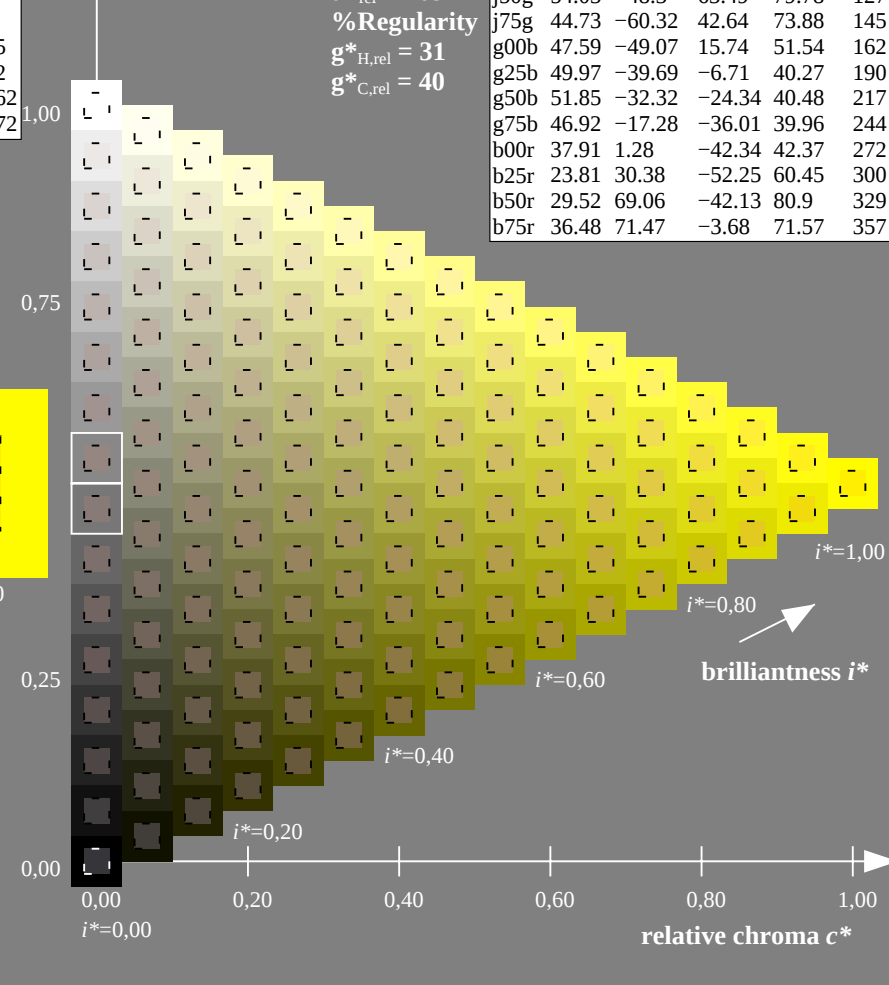
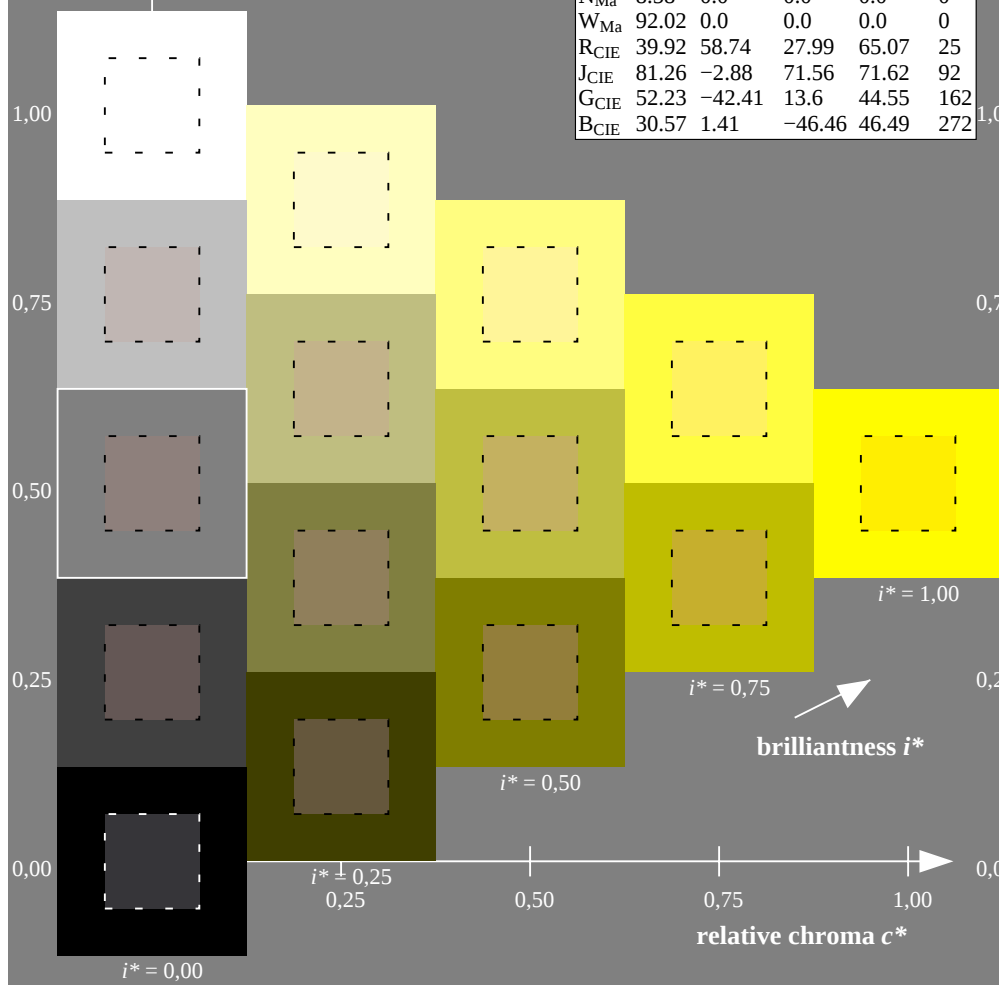
$u^*_{rel} = 109$

%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^*

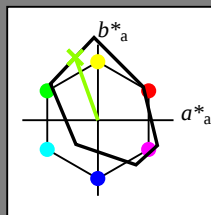
elementary hue text:

$u^* = j25g$

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

$u^*_{rel} = 109$

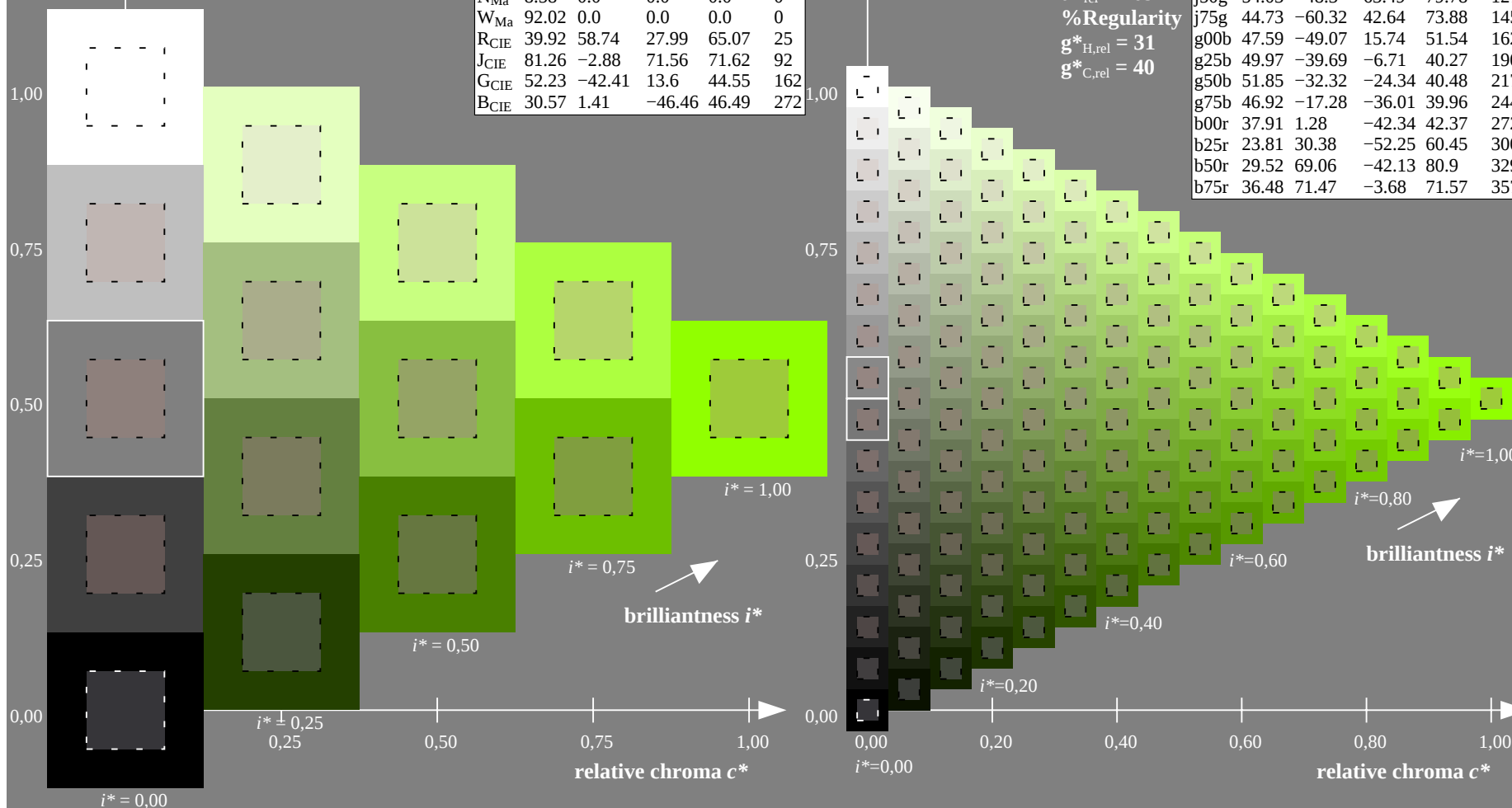
%Regularity

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

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

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^*

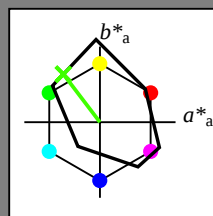
elementary hue text:

$u^* = j50g$

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

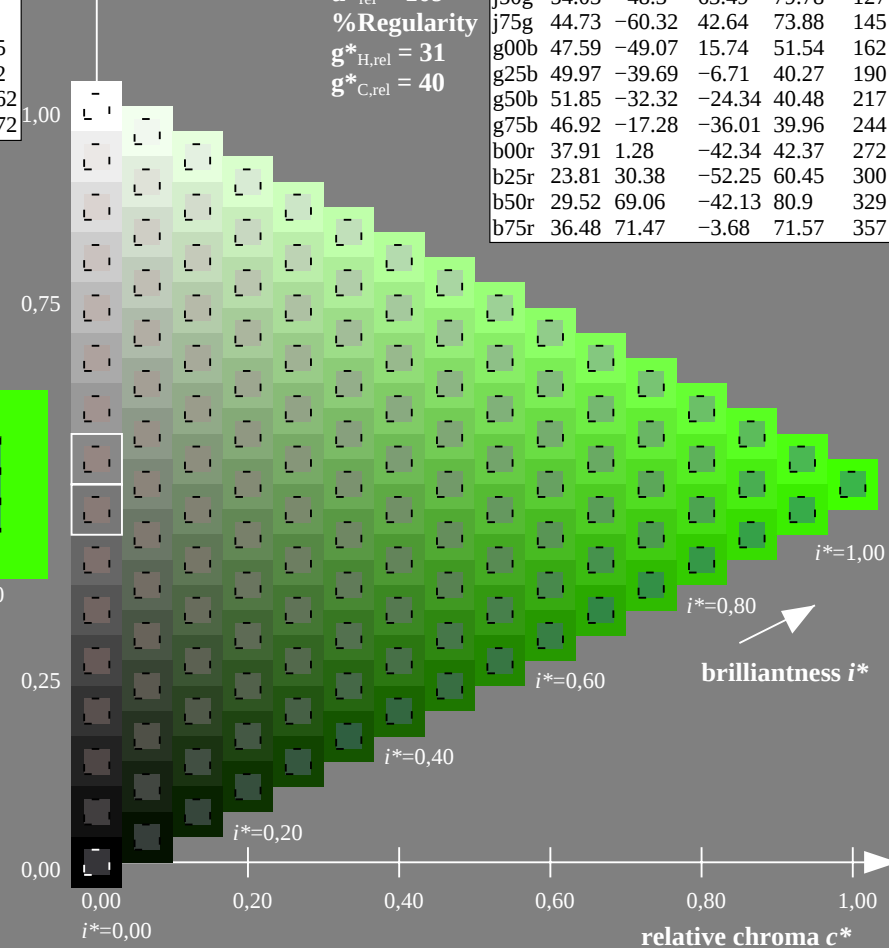
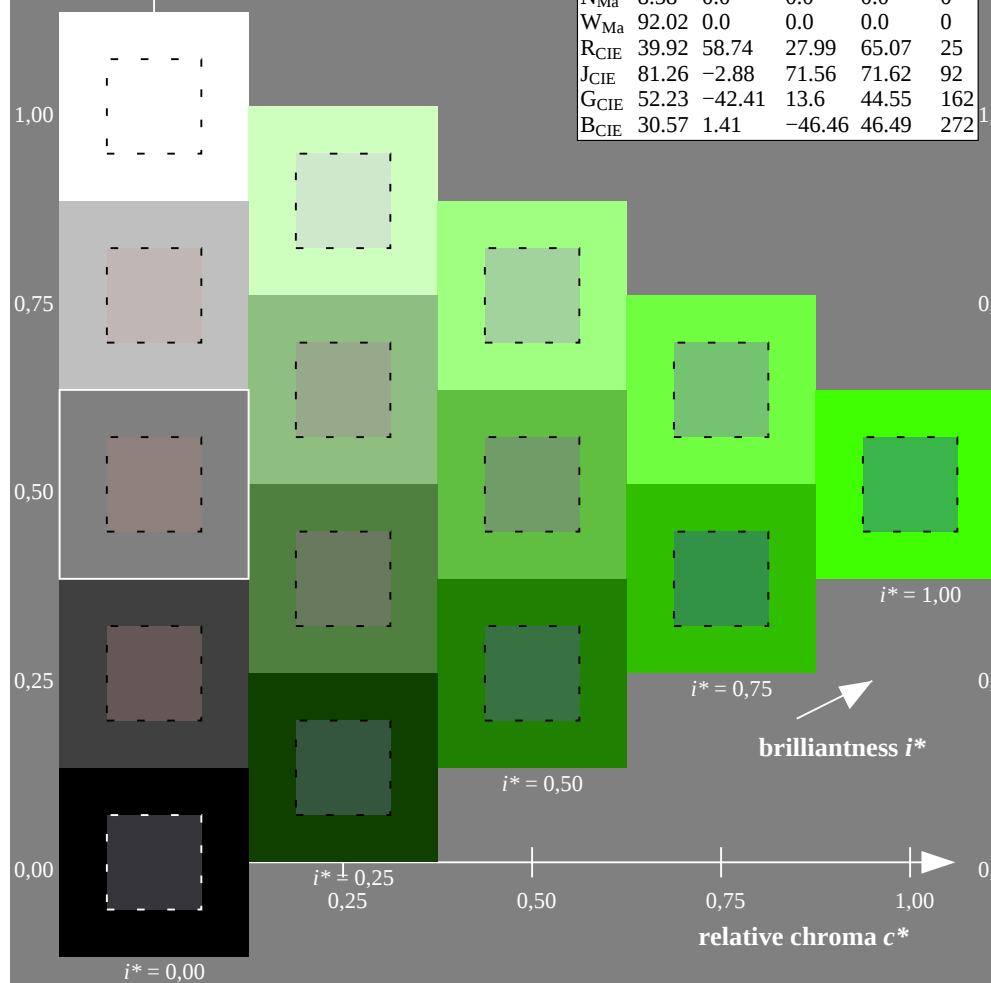
$u^*_{rel} = 109$

%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^*

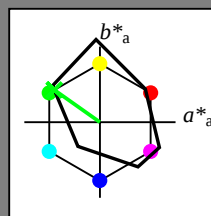
elementary hue text:

$u^* = j75g$

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

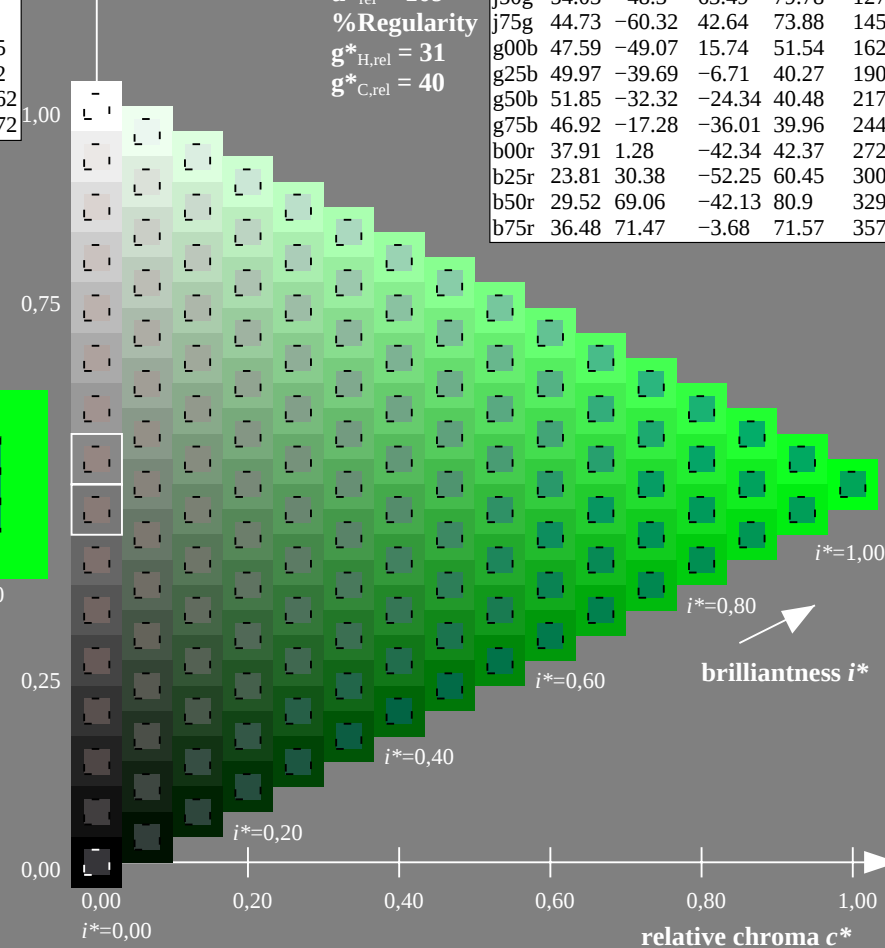
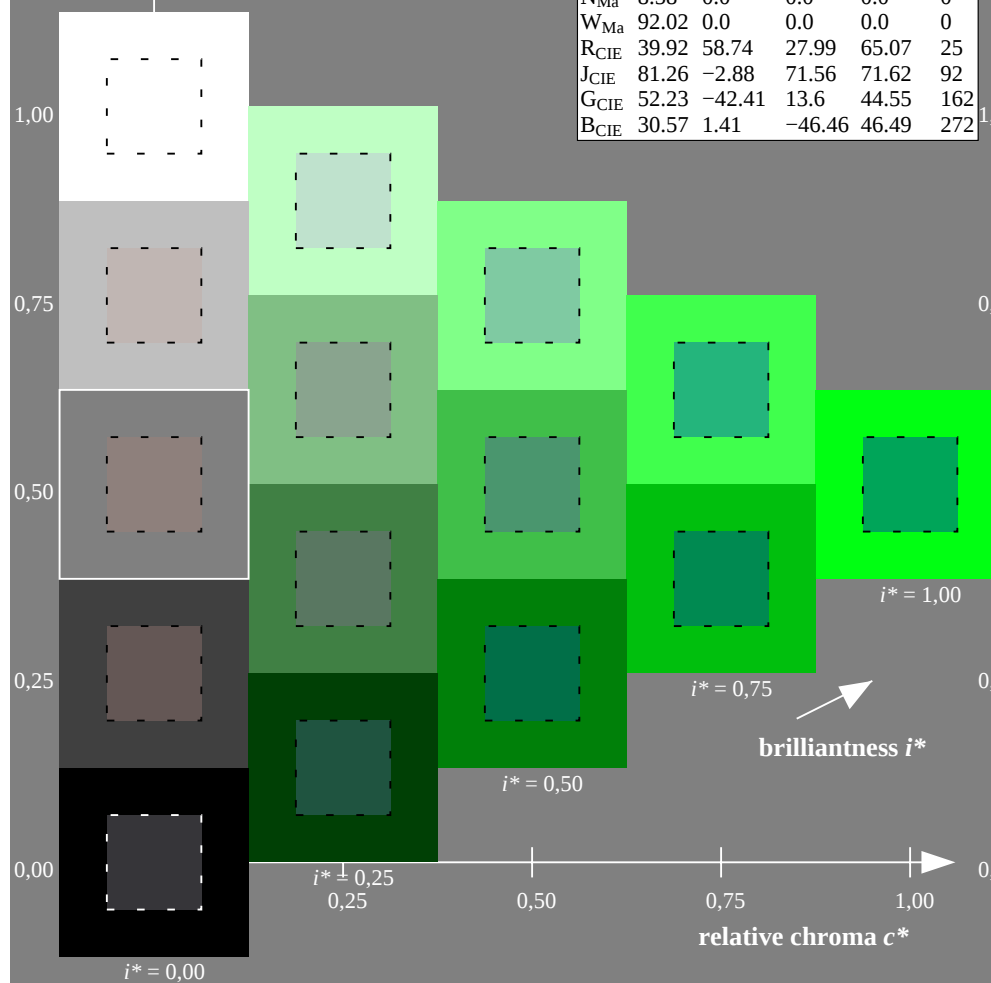
$u^*_{rel} = 109$

%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^*

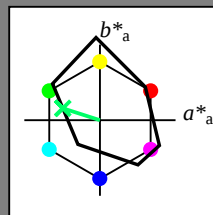
elementary hue text:

$u^* = g00b$

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

$u^*_{rel} = 109$

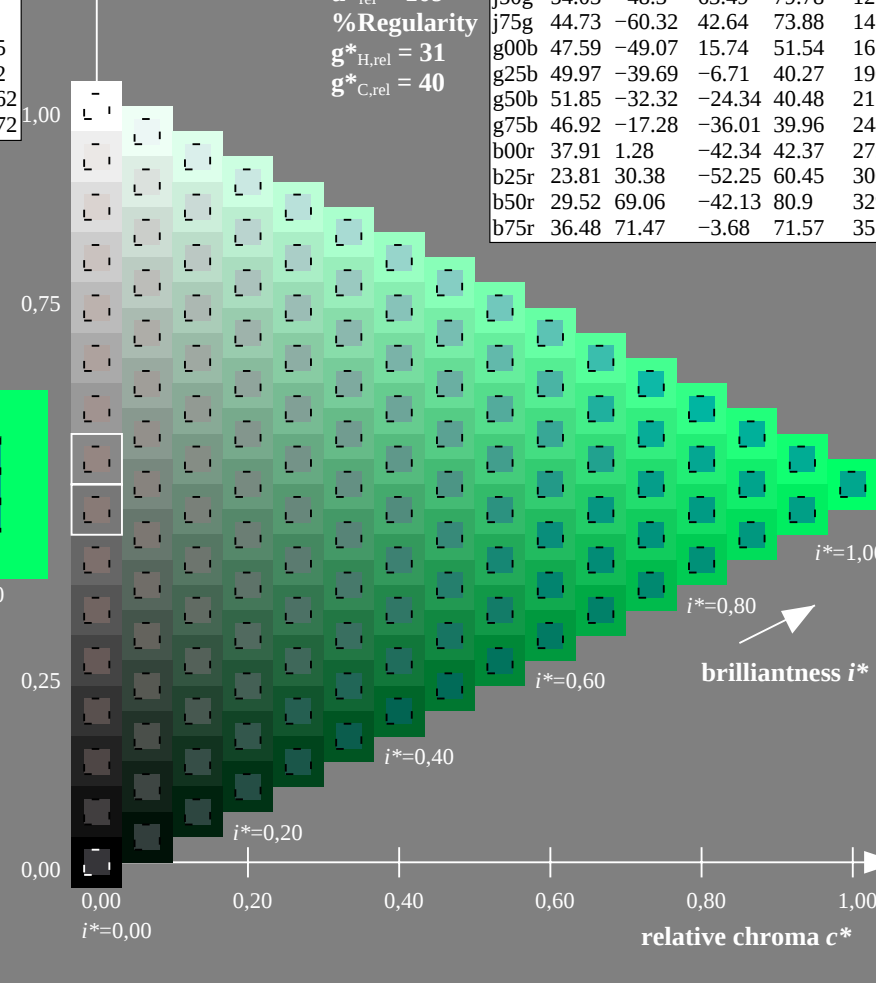
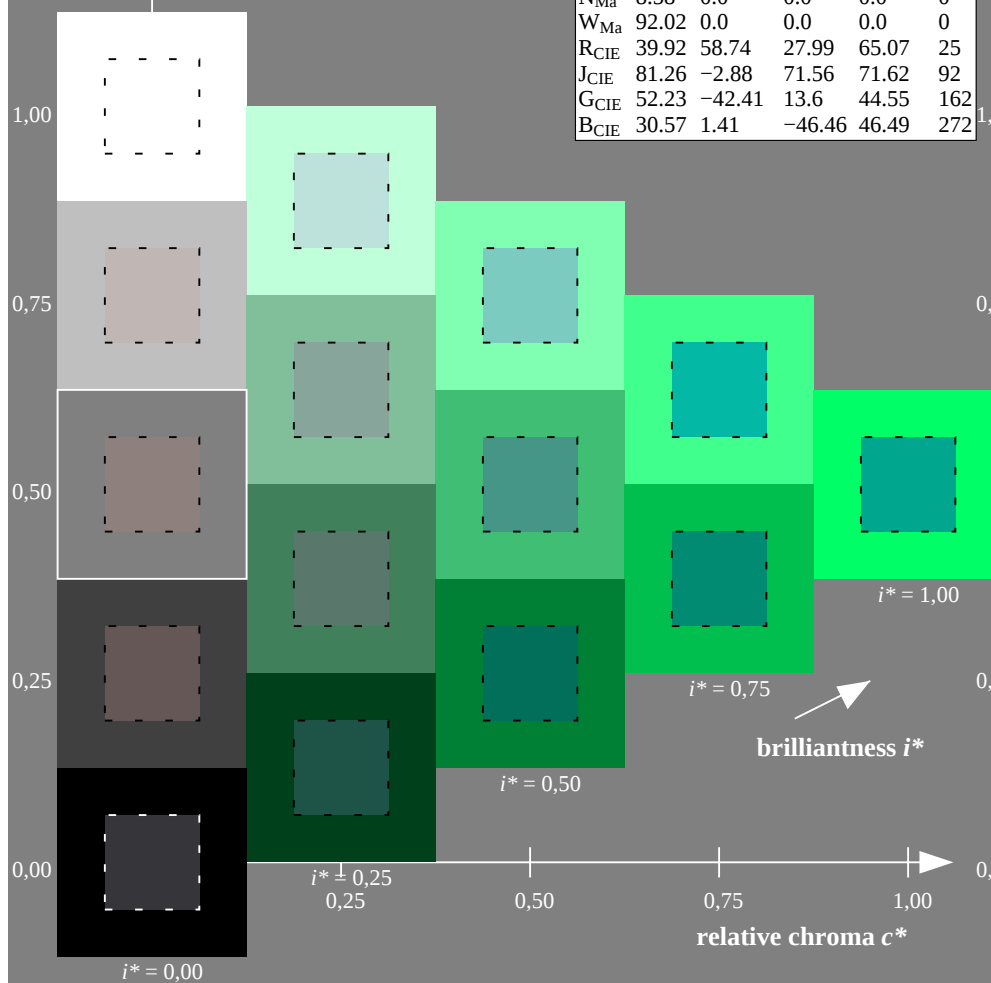
%Regularity

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

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

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^*

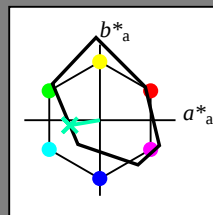
elementary hue text:

$u^* = g25b$

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

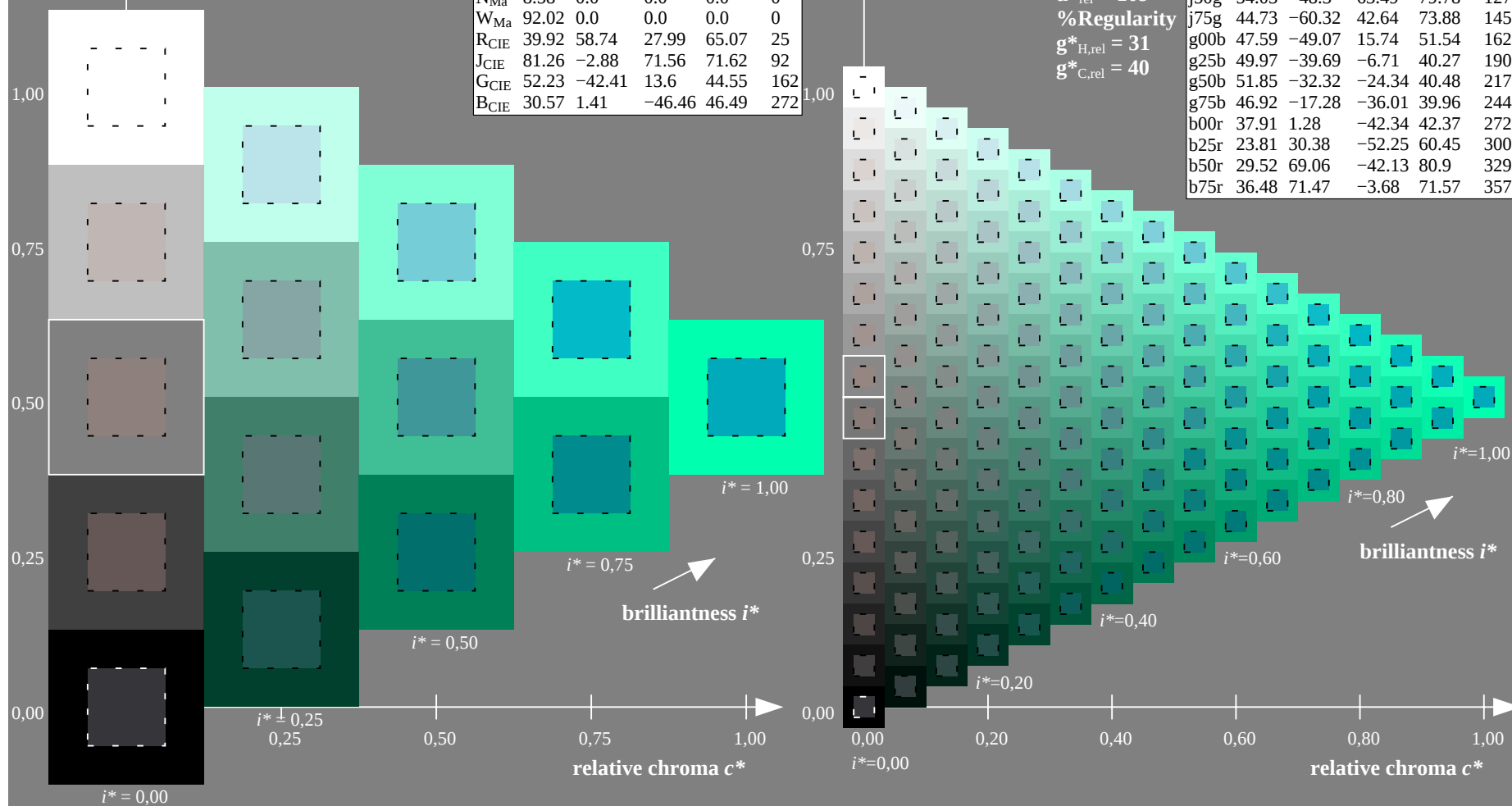
$u^*_{rel} = 109$

%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^*

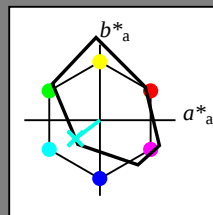
elementary hue text:

$u^* = g50b$

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

$u^*_{rel} = 109$

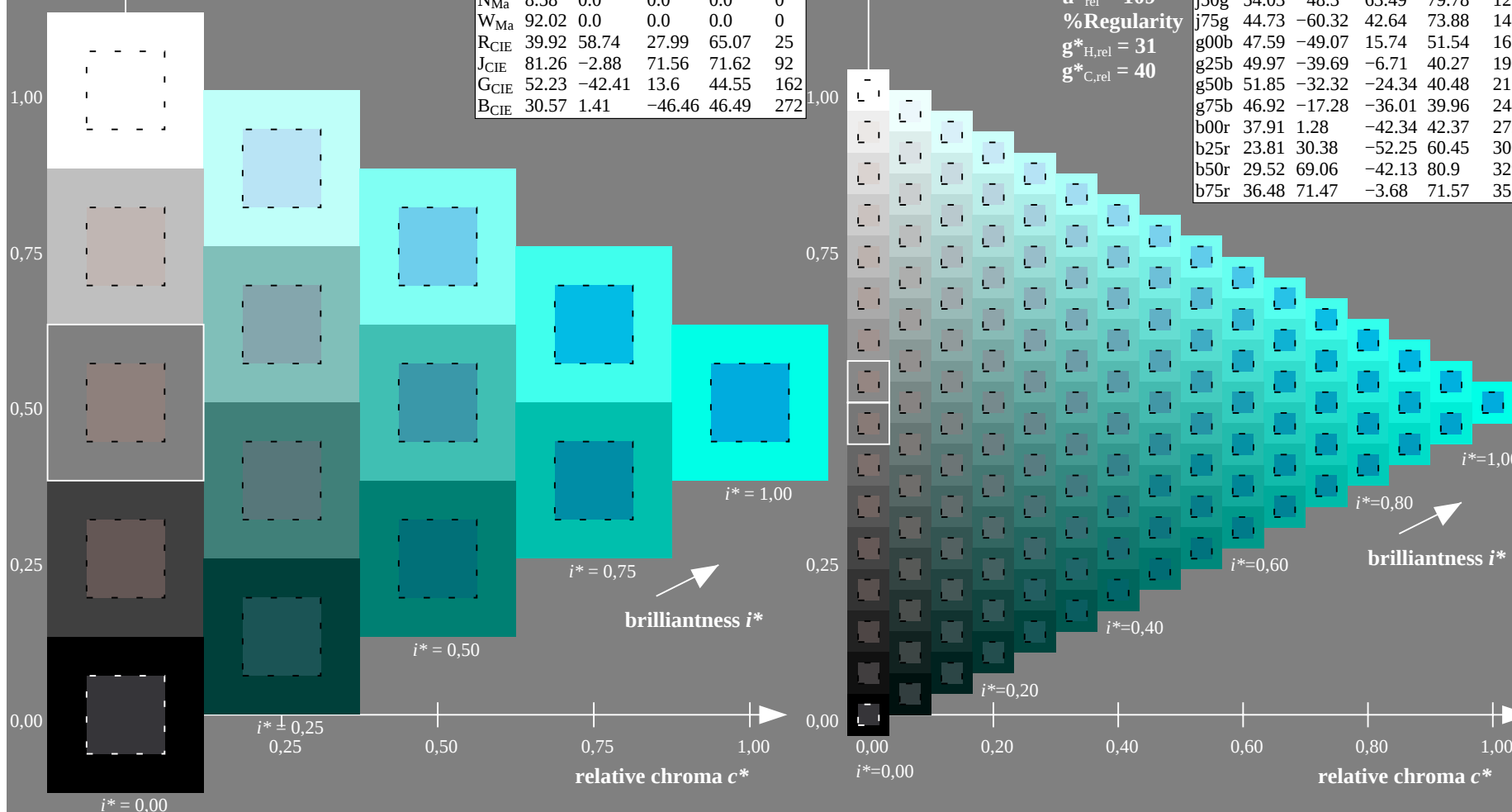
%Regularity

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

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

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^*

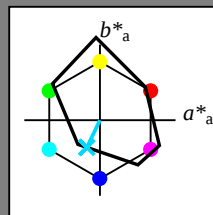
elementary hue text:

$u^* = g75b$

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

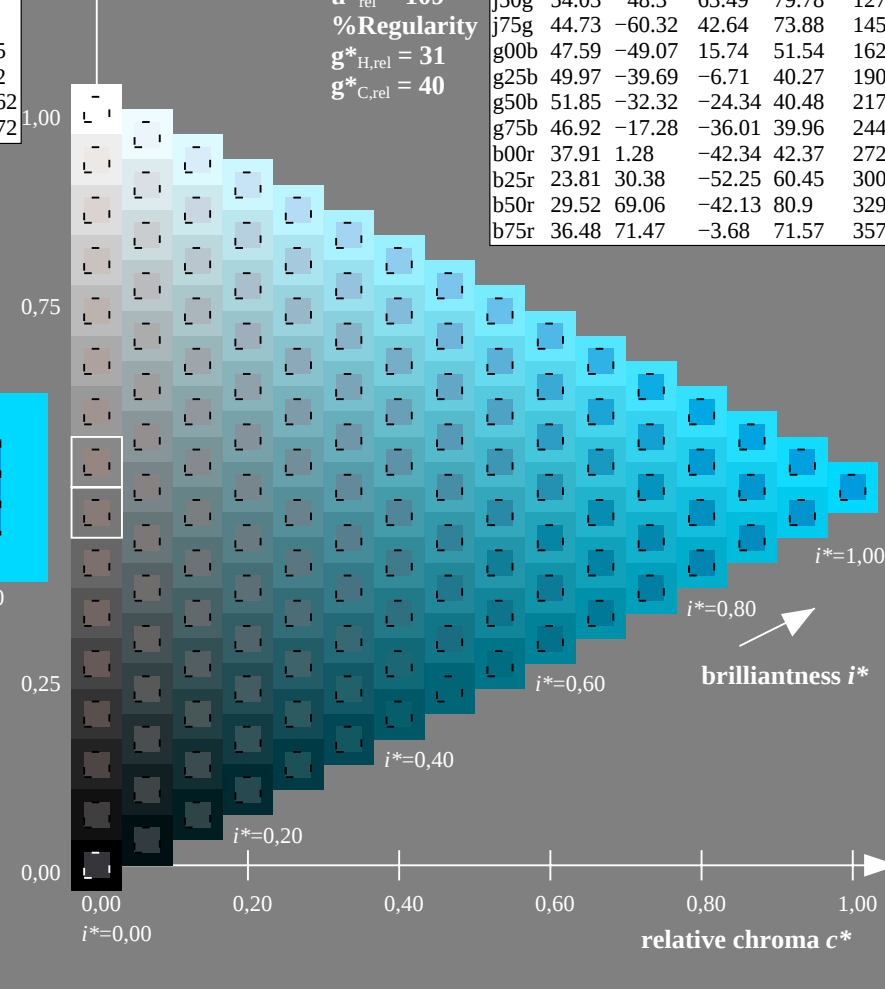
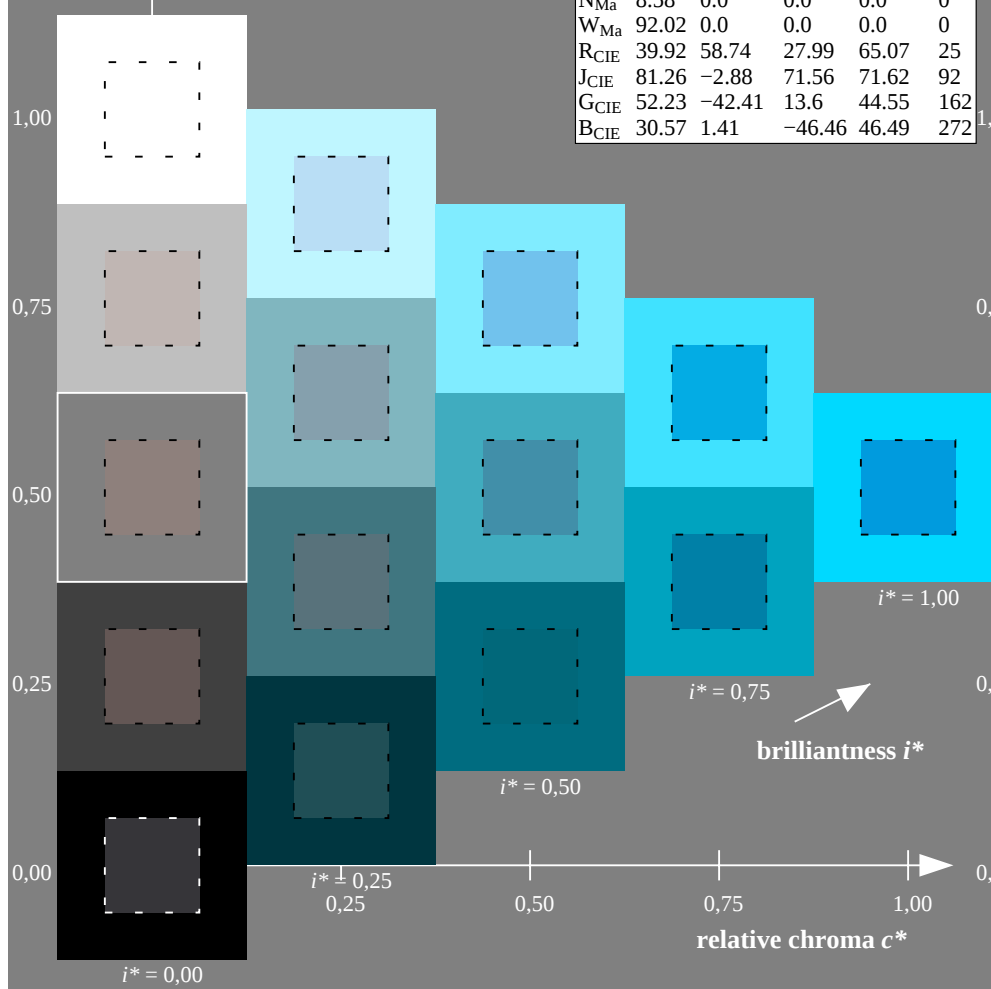
$u^*_{rel} = 109$

%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^*

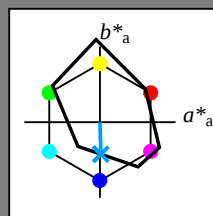
elementary hue text:

$u^* = b00r$

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

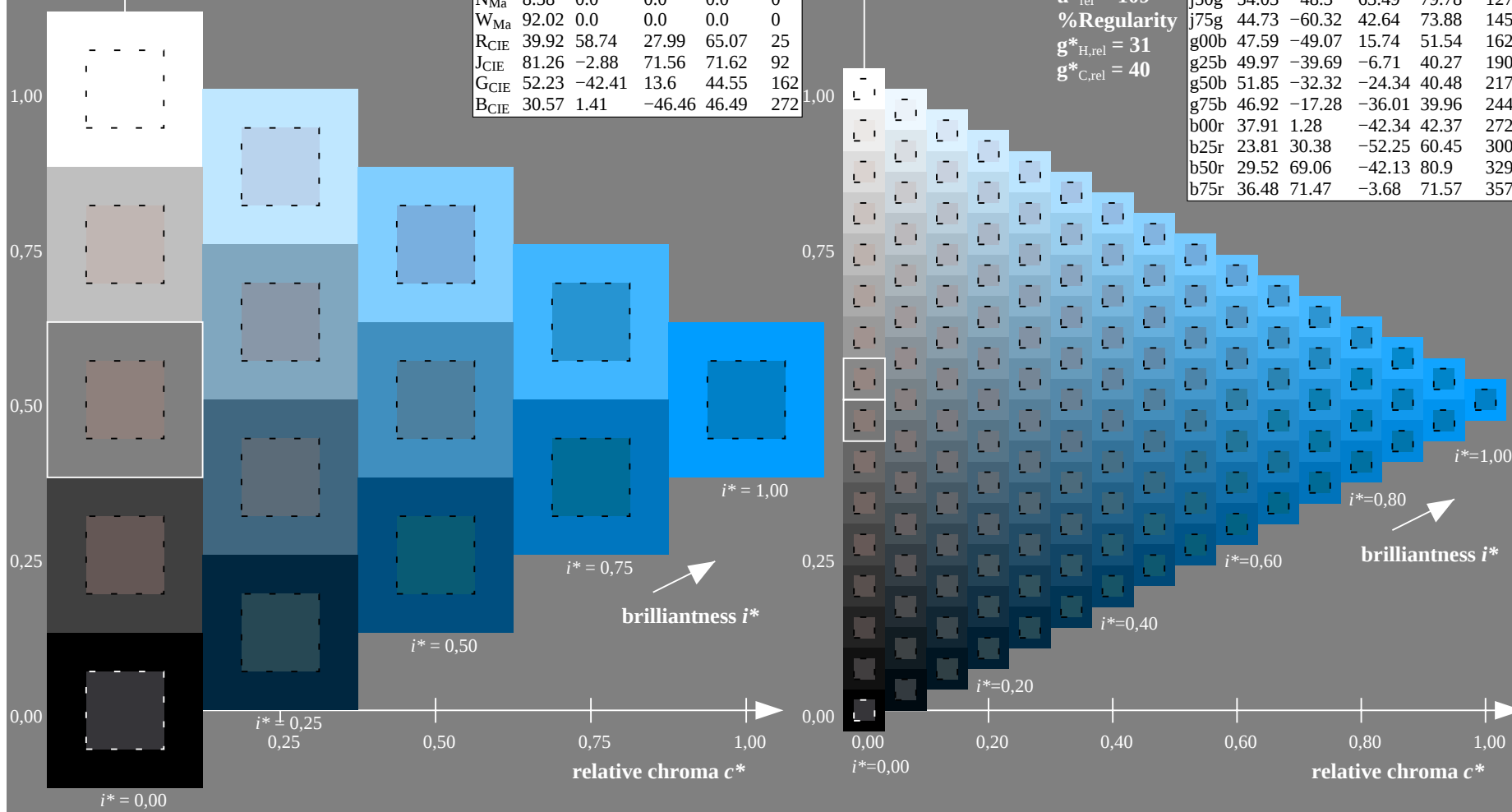
$u^*_{rel} = 109$

%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^*

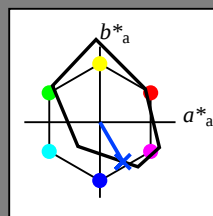
elementary hue text:

$u^* = b25r$

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

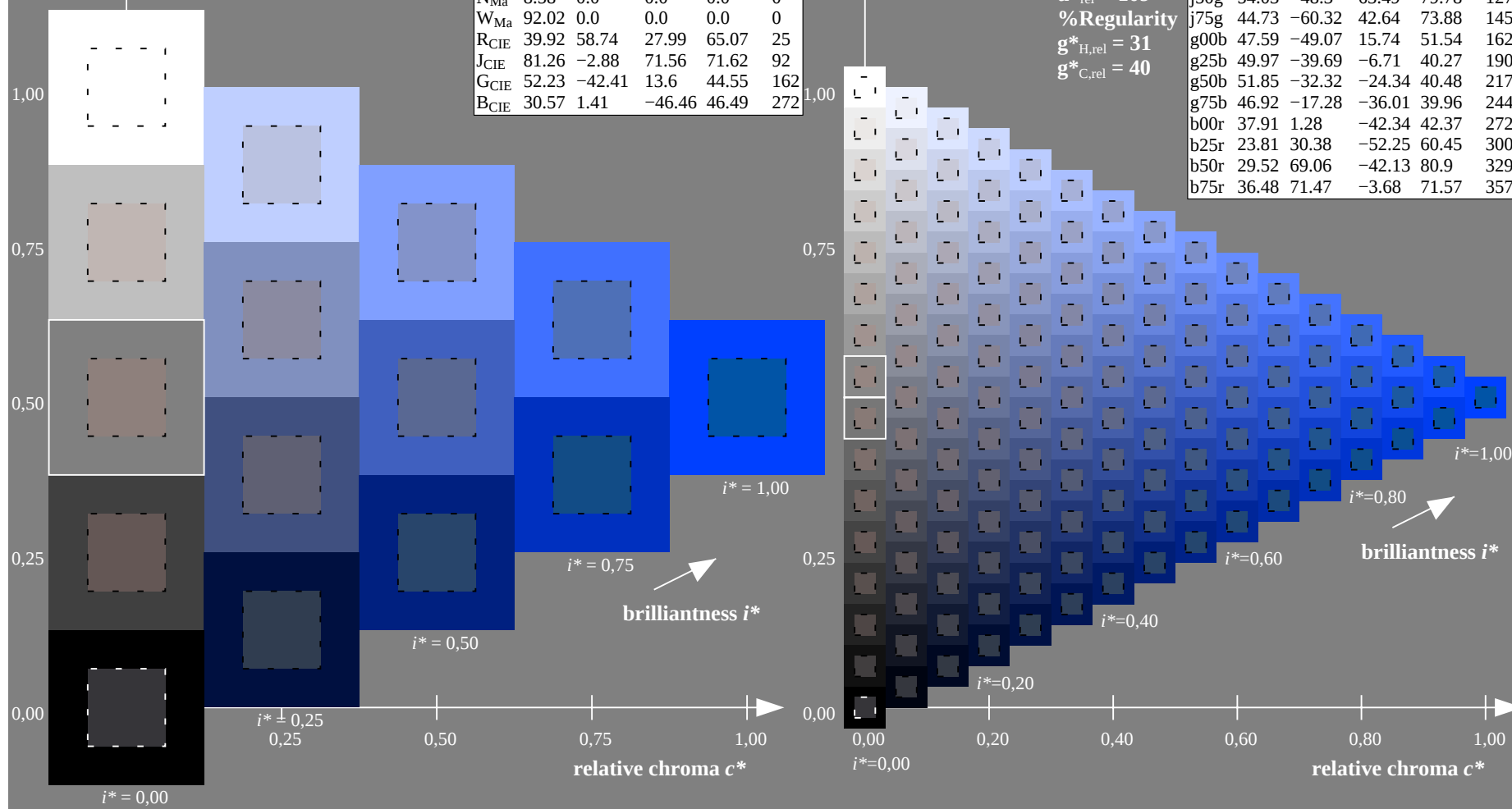
$u^*_{rel} = 109$

%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^*

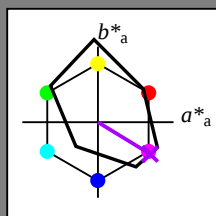
elementary hue text:

$u^* = b50r$

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

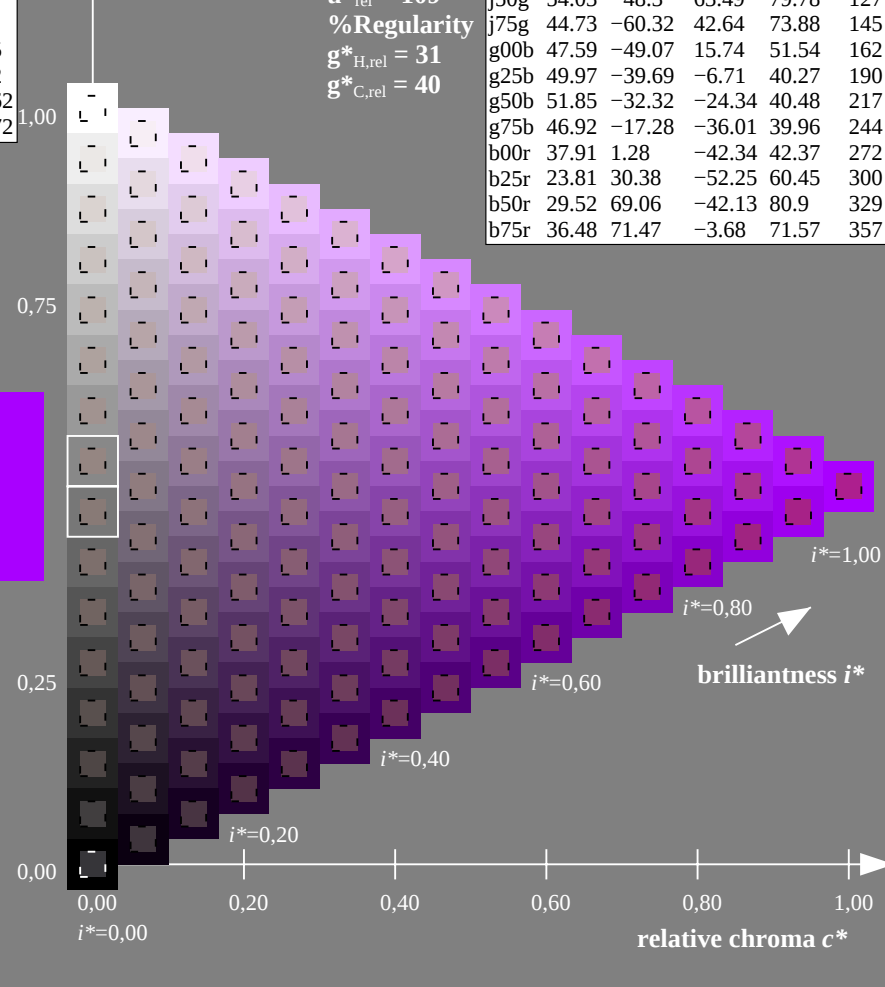
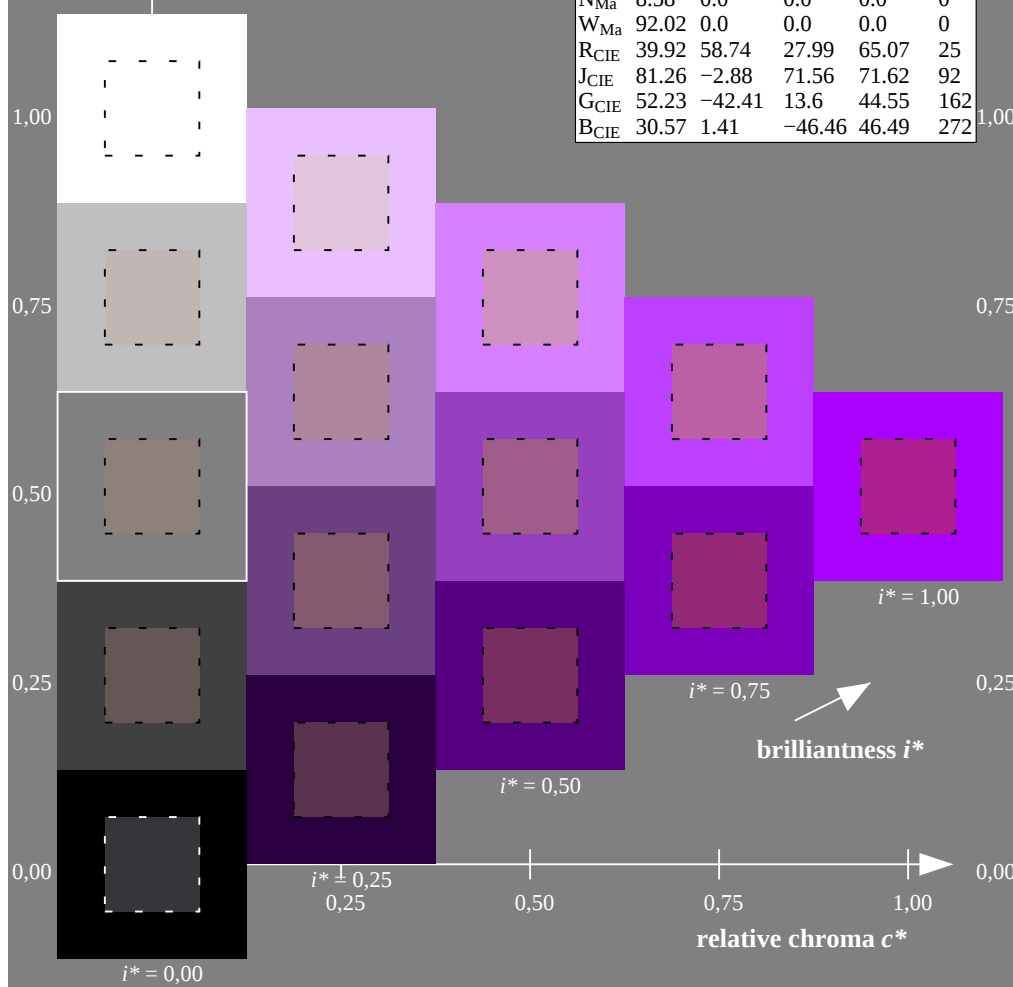
$u^*_{rel} = 109$

%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^*

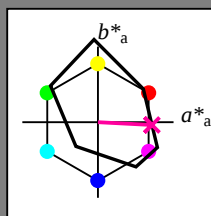
elementary hue text:

$u^* = b75r$

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

$u^*_{rel} = 109$

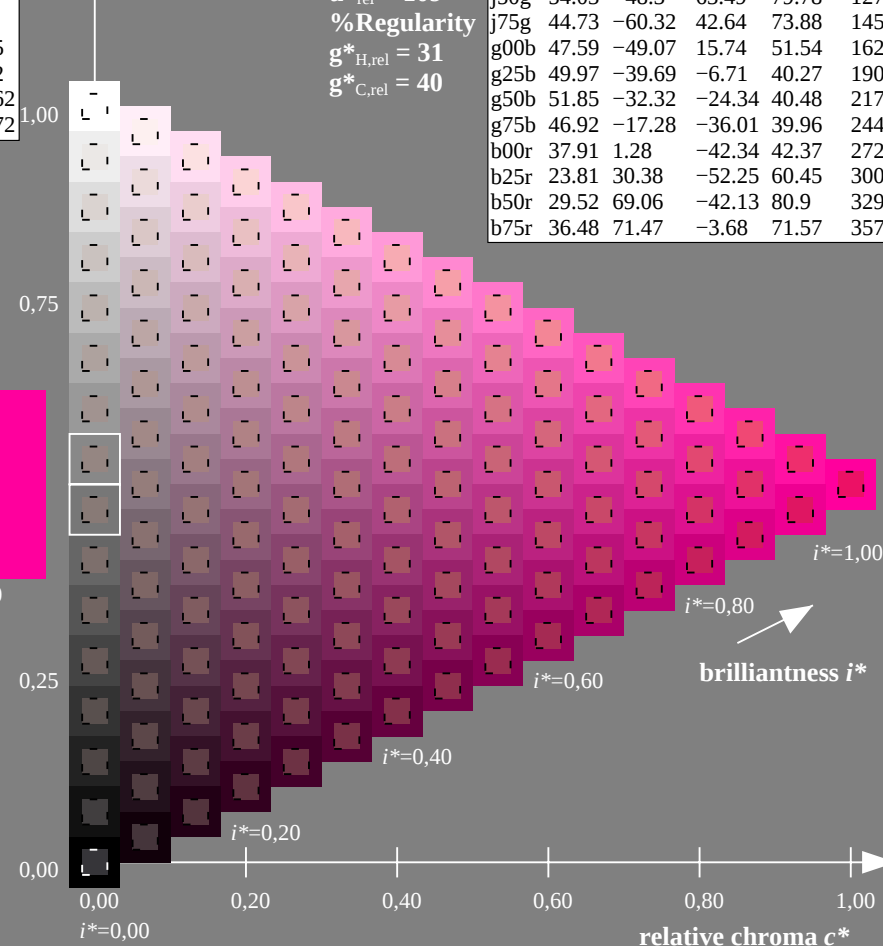
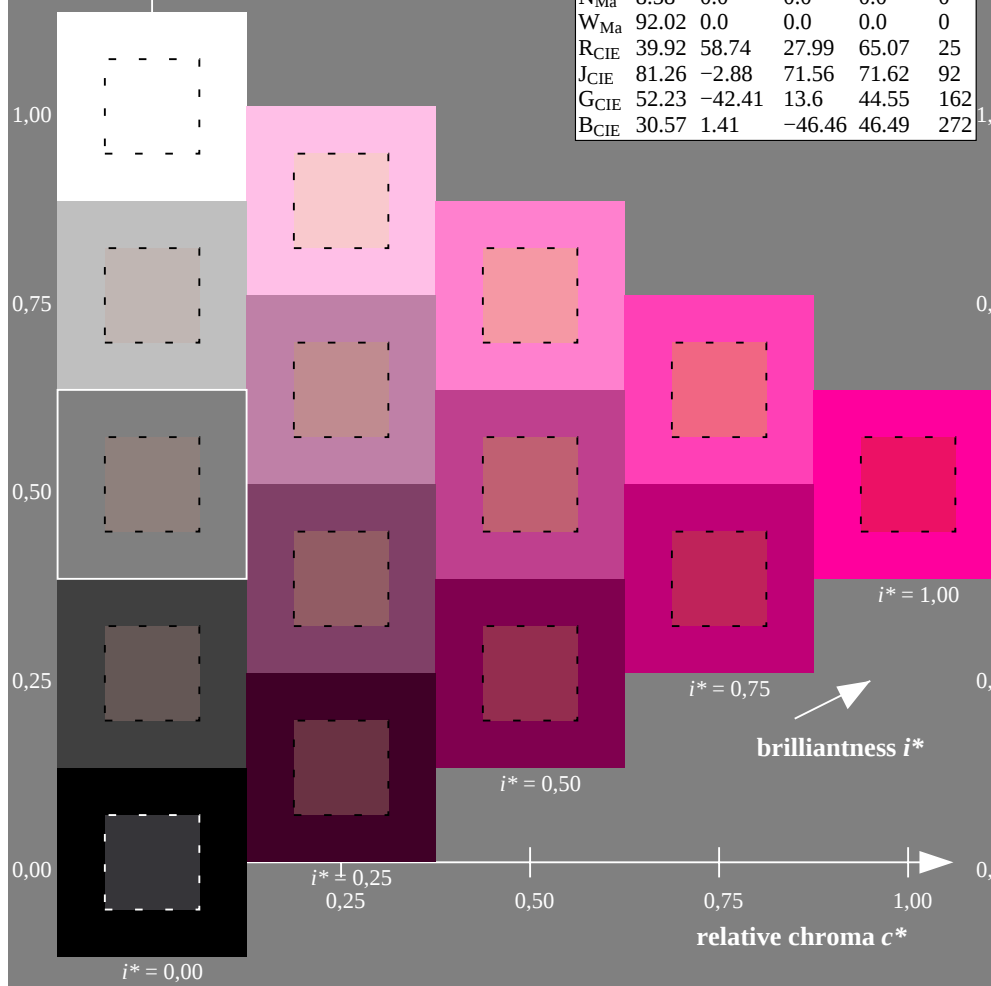
%Regularity

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

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

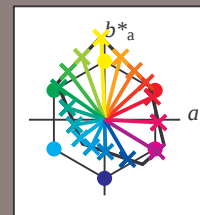
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	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



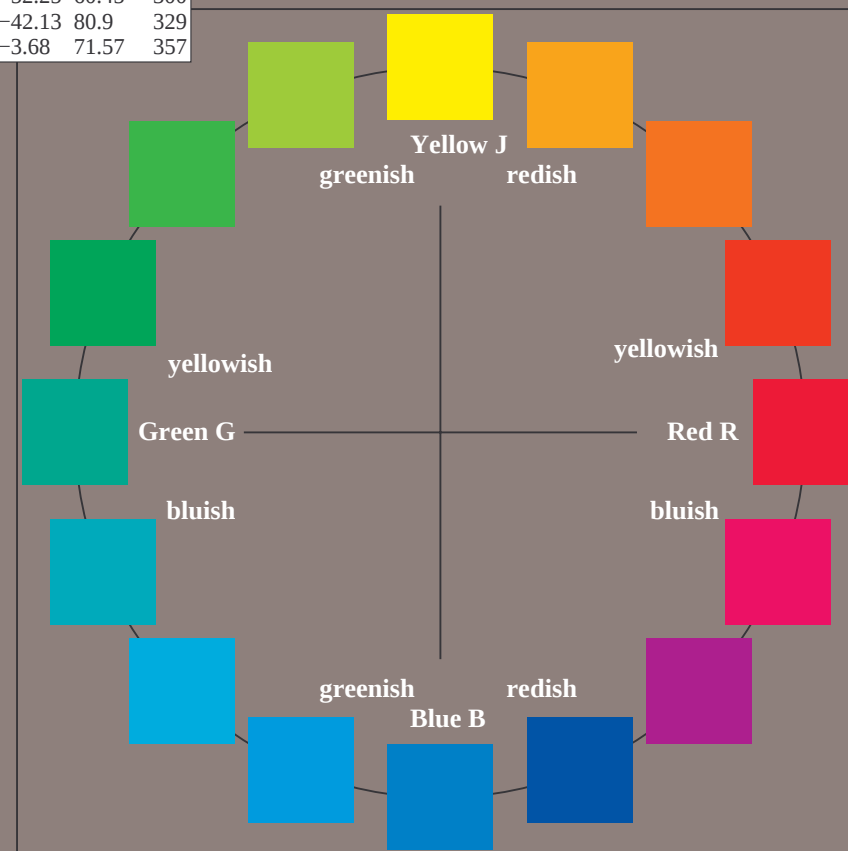
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
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^*ch^* and lab^*icu^*

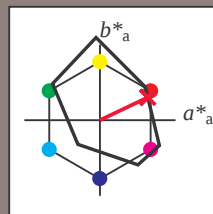
elementary hue text:

$u^* = r00j$

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

$u^*_{rel} = 109$

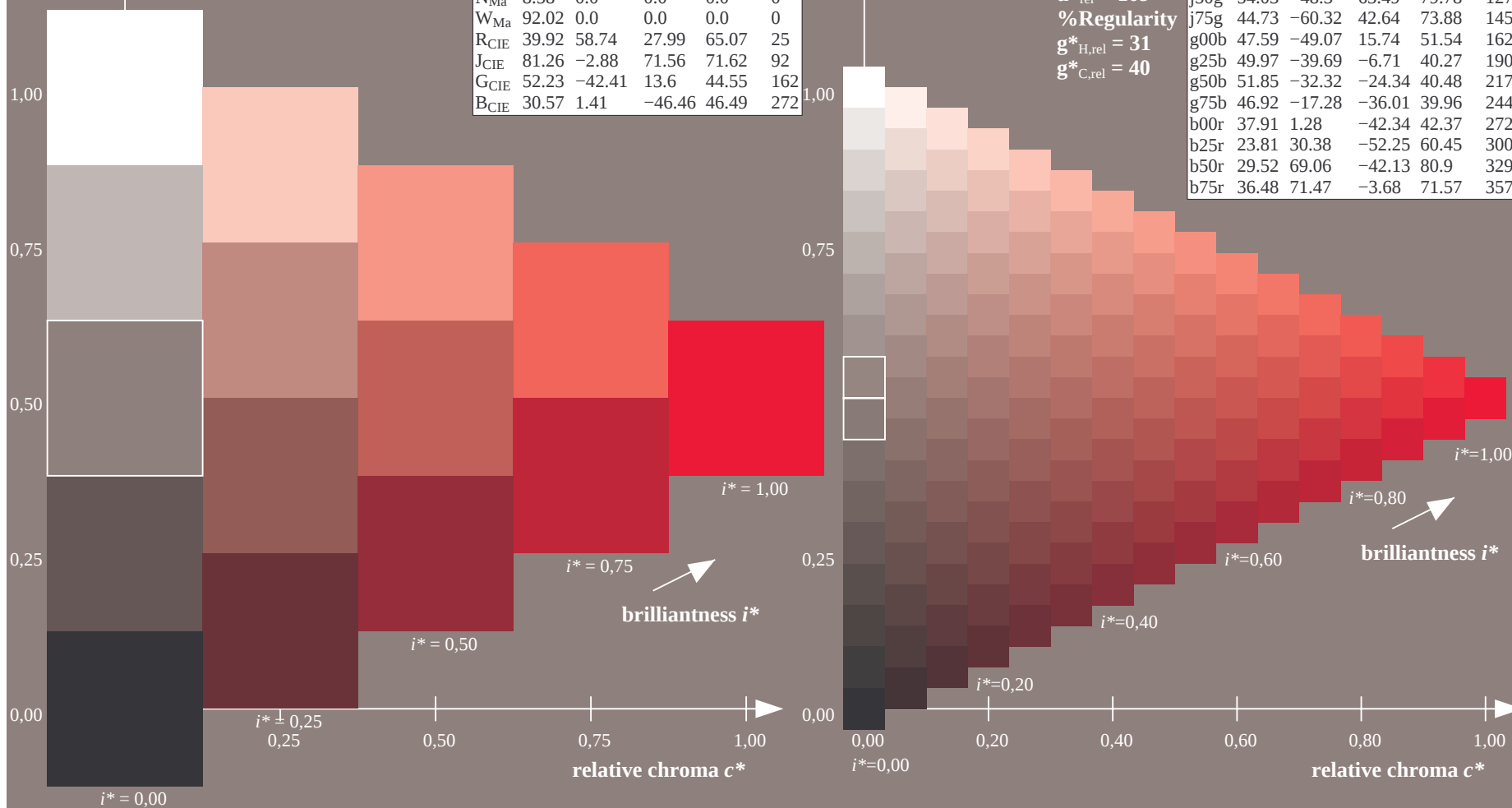
%Regularity

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

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

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^*

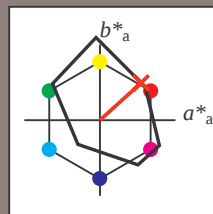
elementary hue text:

$u^* = r25j$

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

$u^*_{rel} = 109$

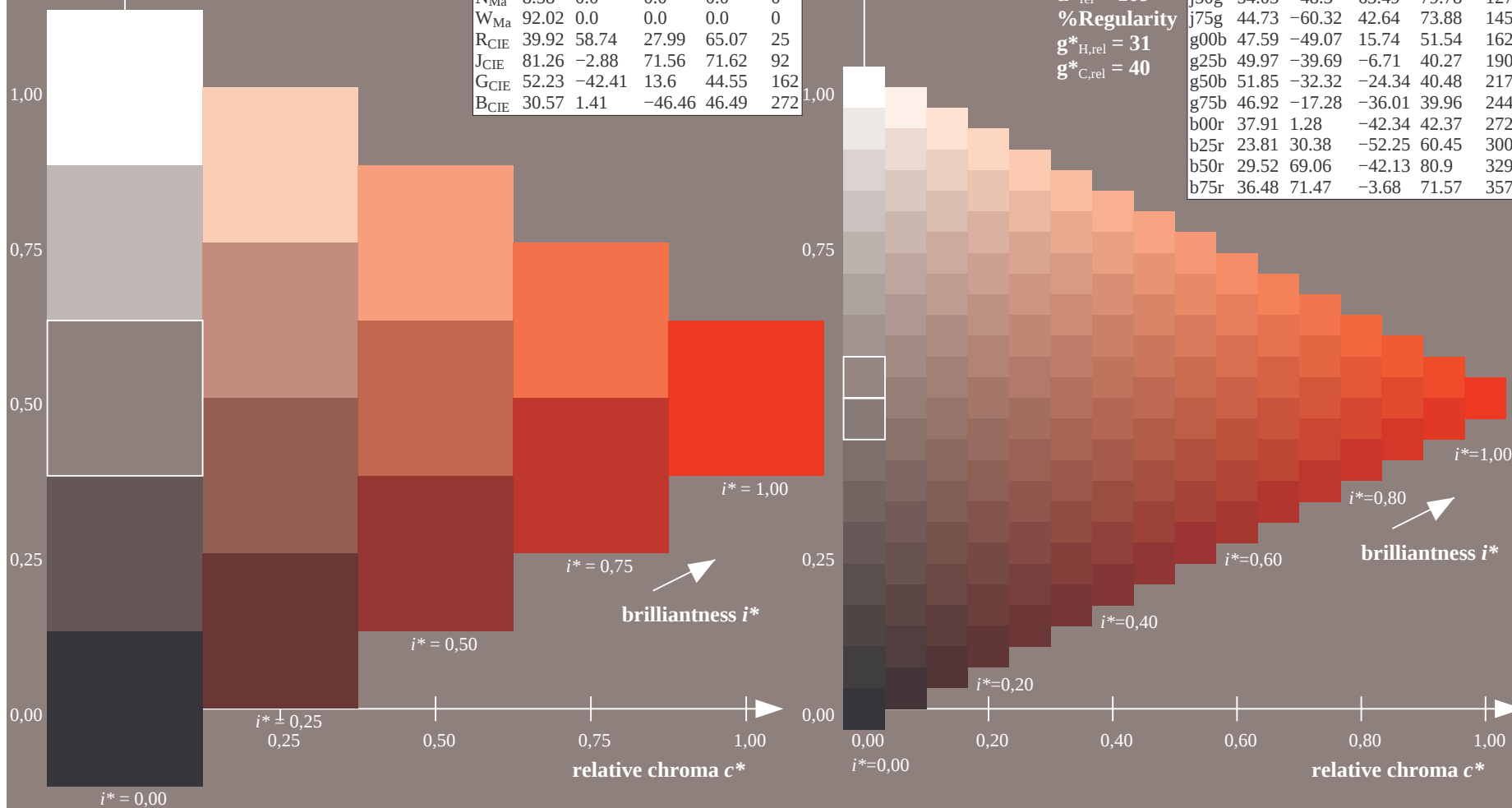
%Regularity

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

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

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^*

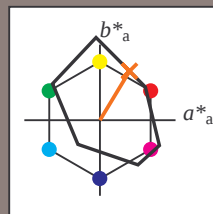
elementary hue text:

$u^* = r50j$

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

$u^*_{rel} = 109$

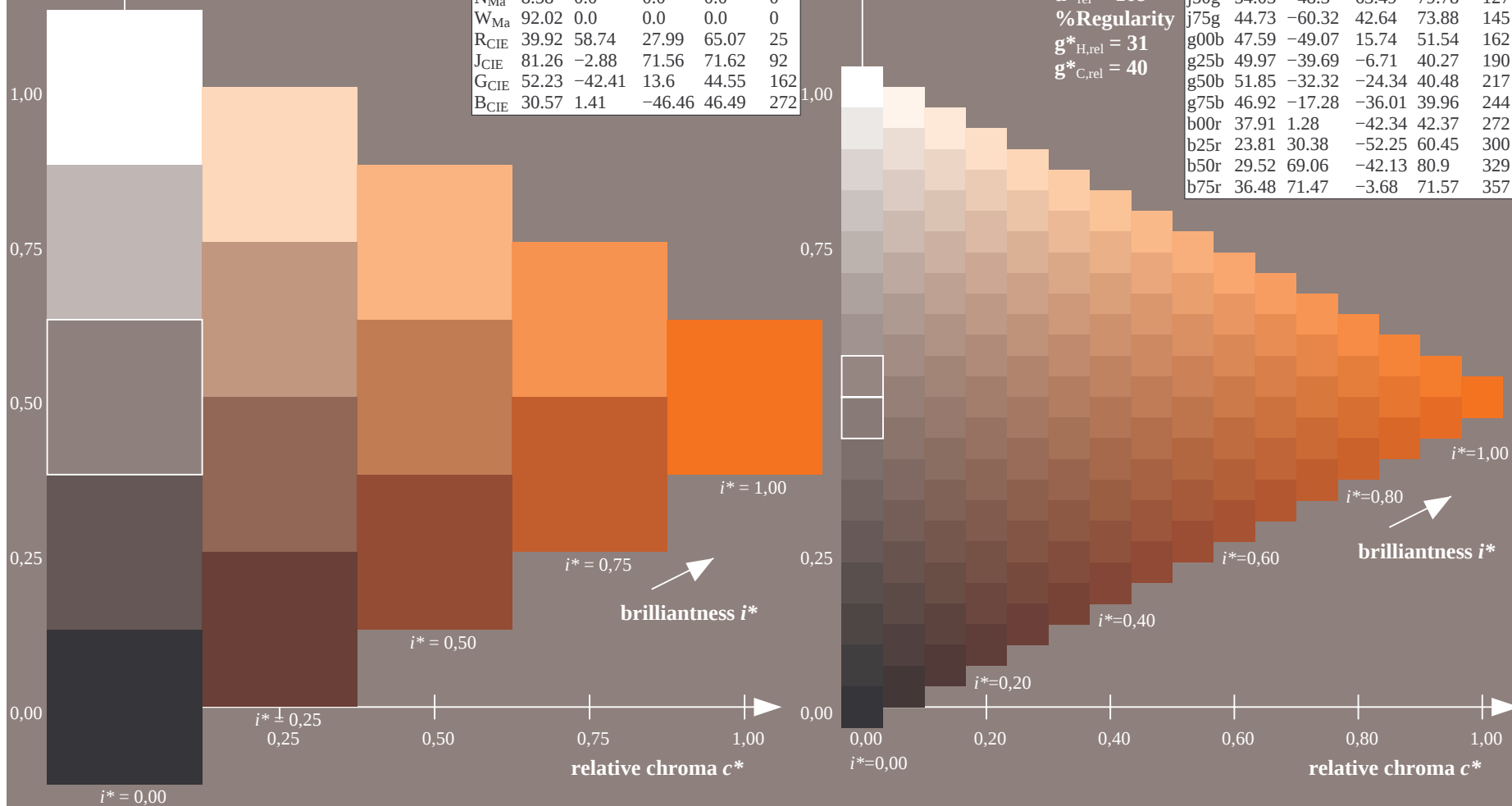
%Regularity

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

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

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^*

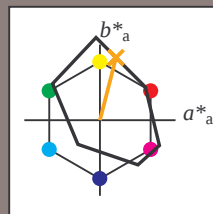
elementary hue text:

$u^* = r75j$

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

$u^*_{rel} = 109$

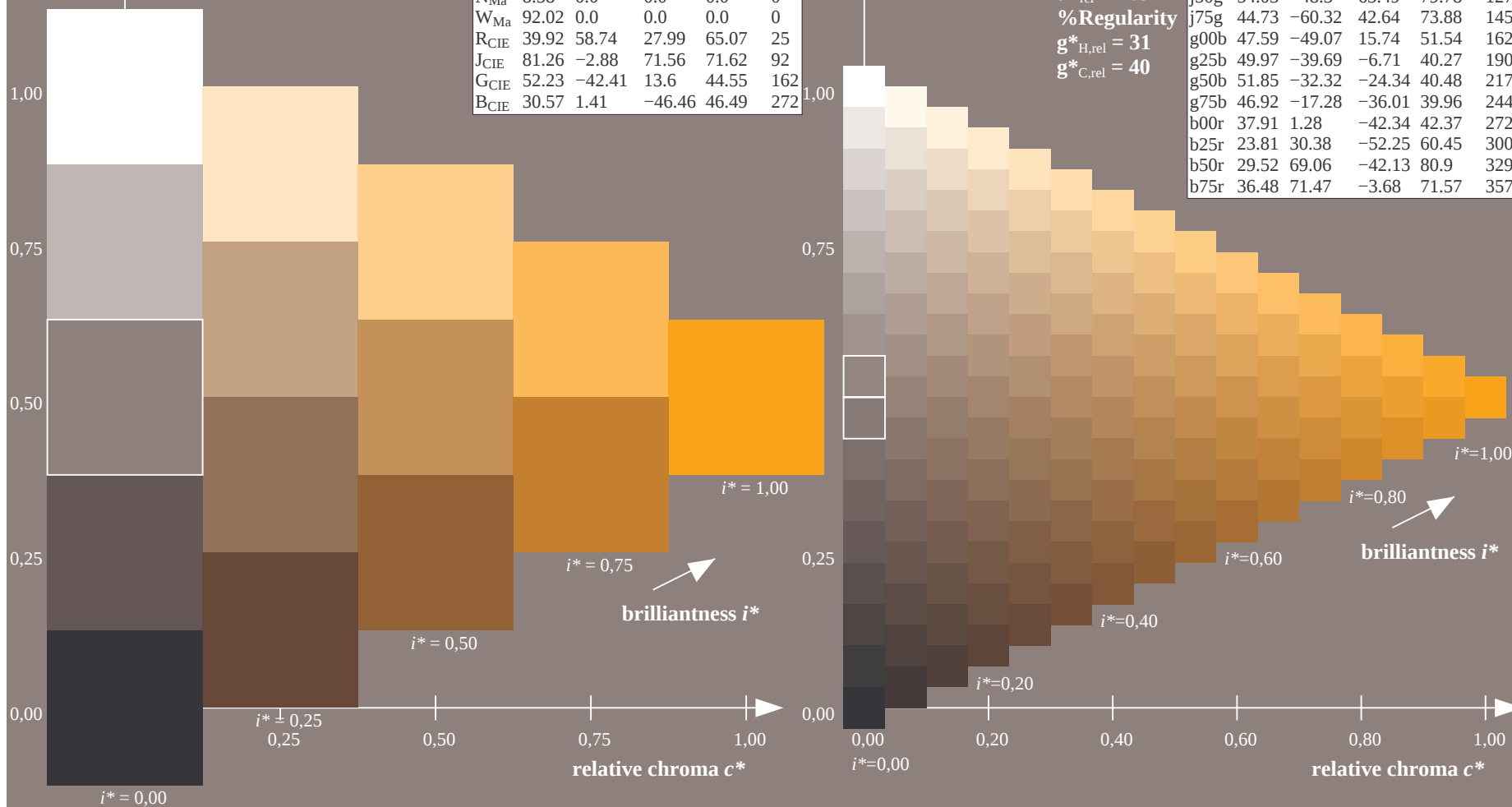
%Regularity

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

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

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^*

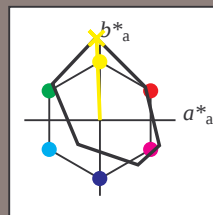
elementary hue text:

$u^* = j00g$

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

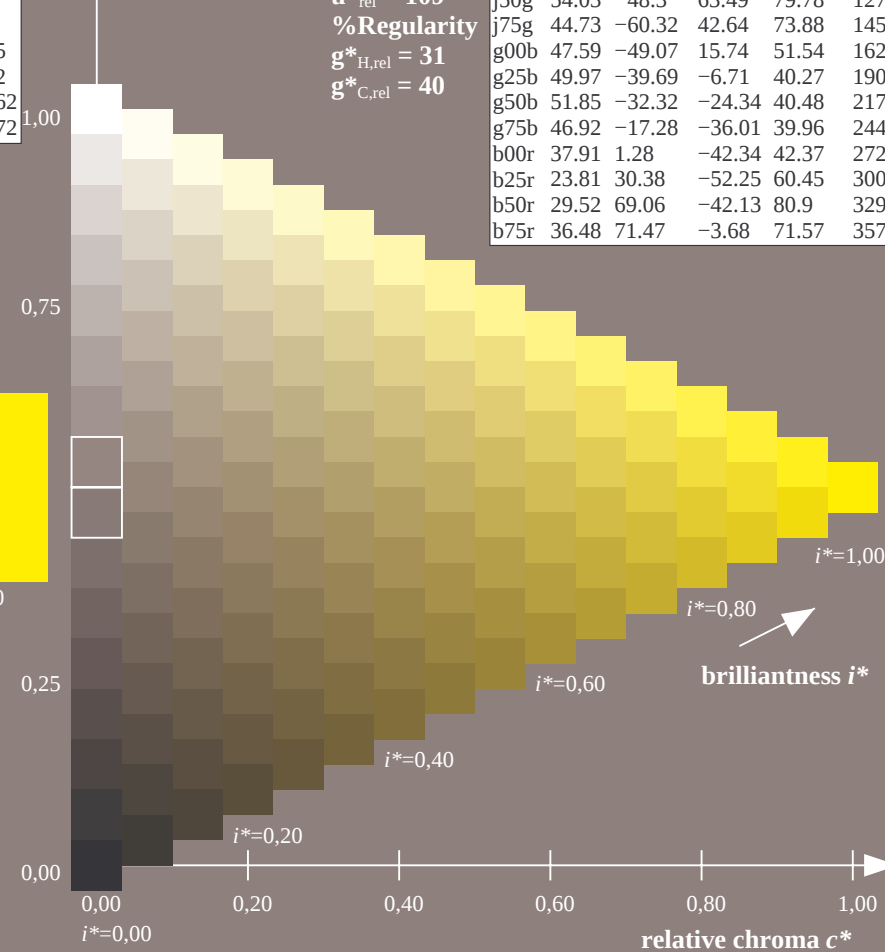
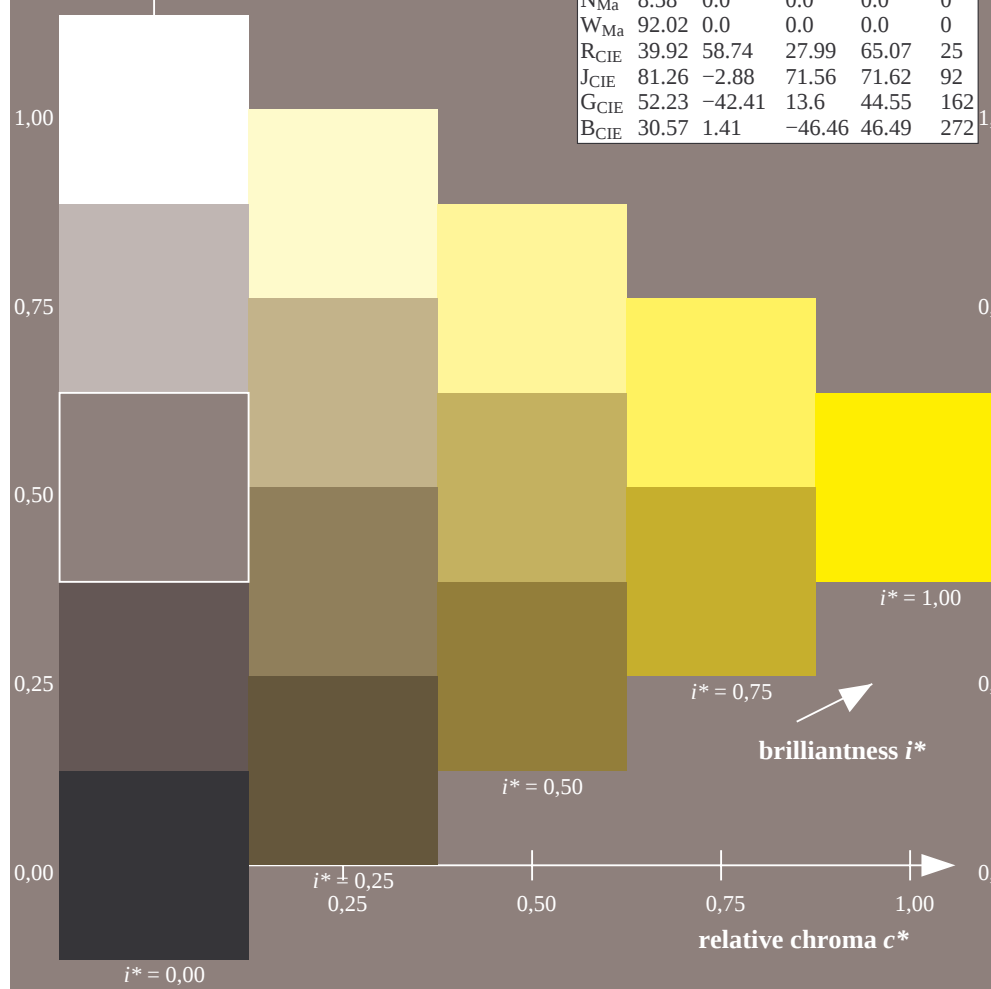
$u^*_{rel} = 109$

%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^*

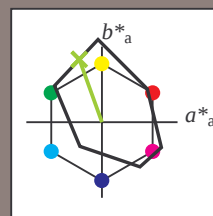
elementary hue text:

$u^* = j25g$

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

$u^*_{rel} = 109$

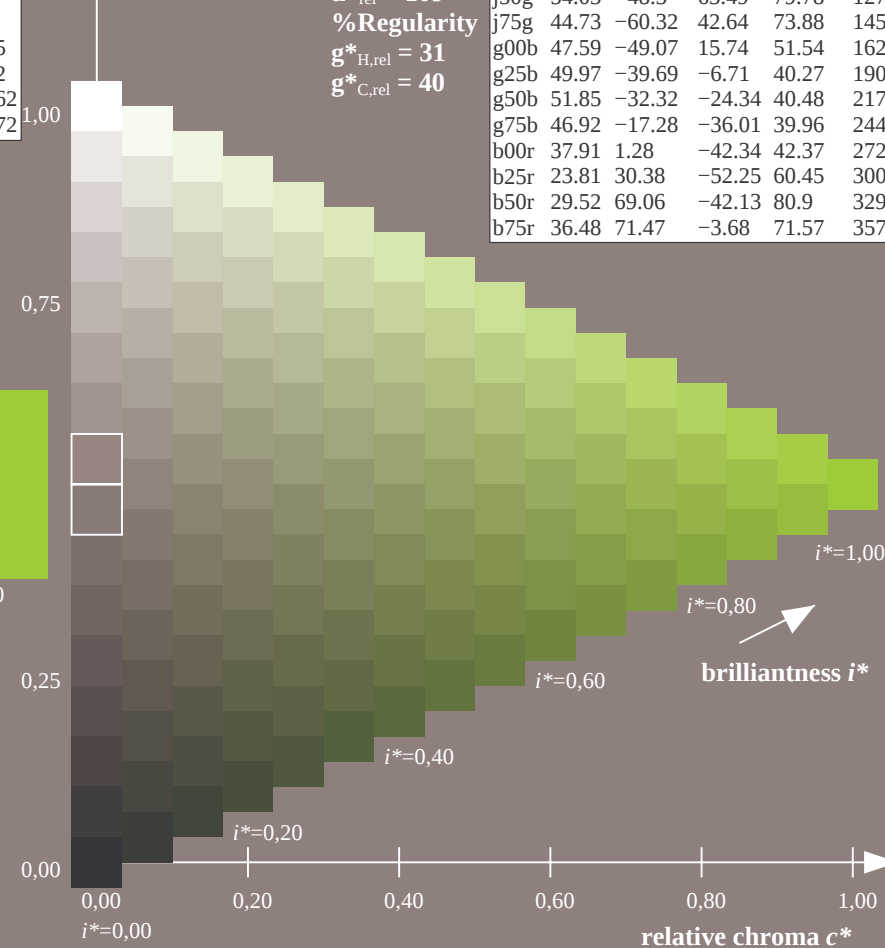
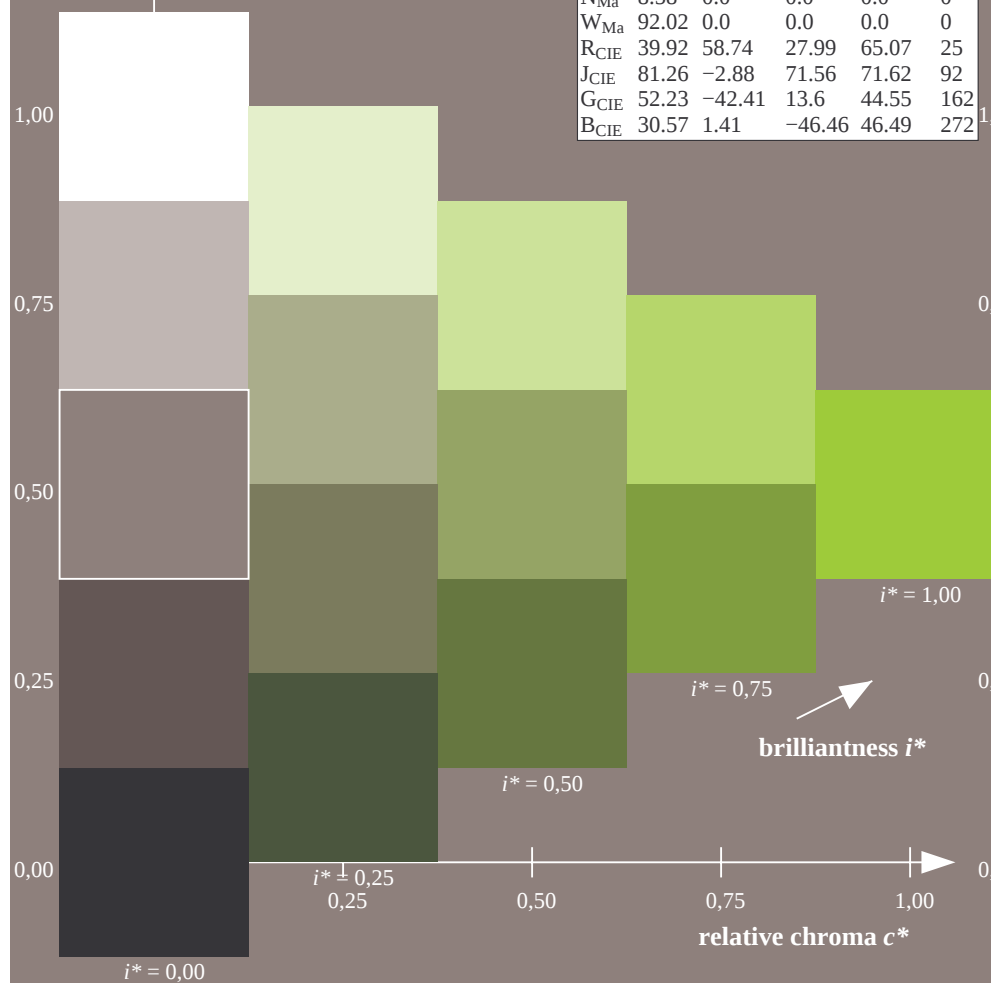
%Regularity

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

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

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^*

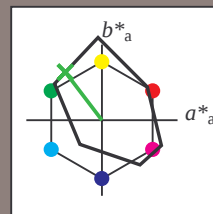
elementary hue text:

$u^* = j50g$

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

$u^*_{rel} = 109$

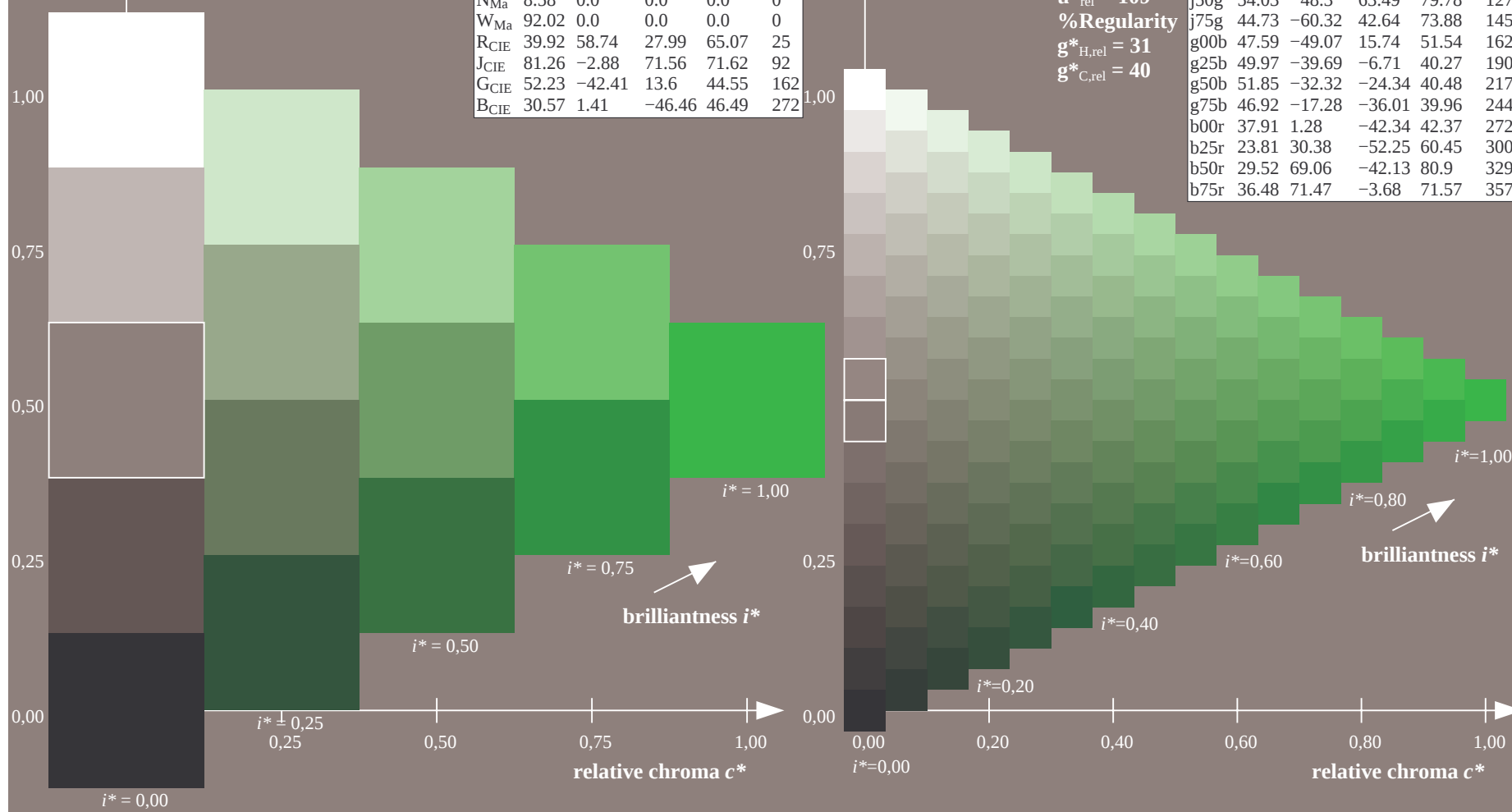
%Regularity

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

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

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^*

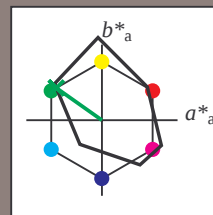
elementary hue text:

$u^* = j75g$

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

$u^*_{rel} = 109$

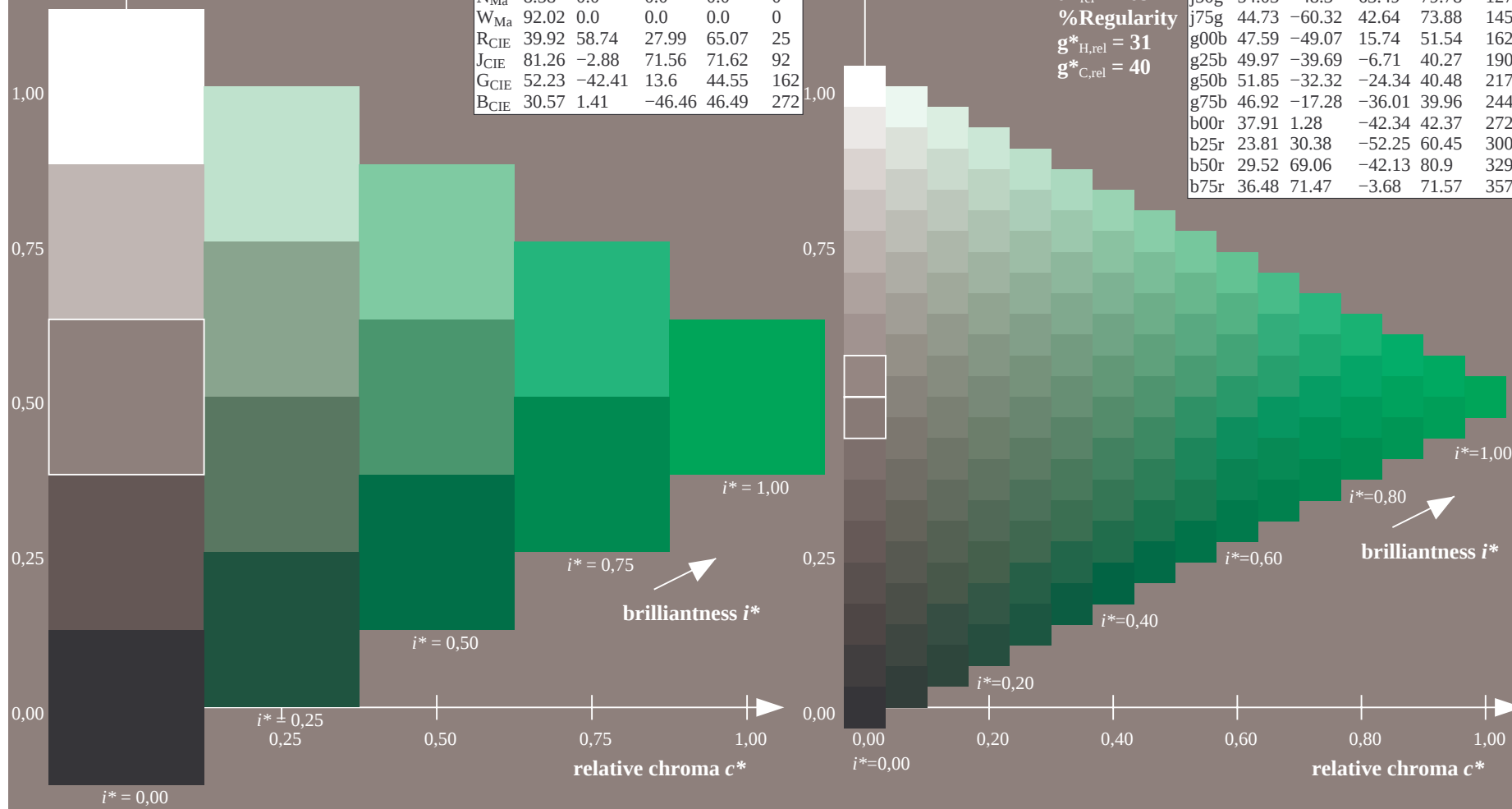
%Regularity

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

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

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^*ch^* and lab^*icu^*

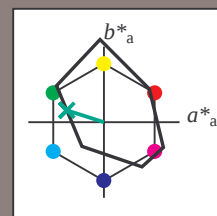
elementary hue text:

$u^* = g00b$

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

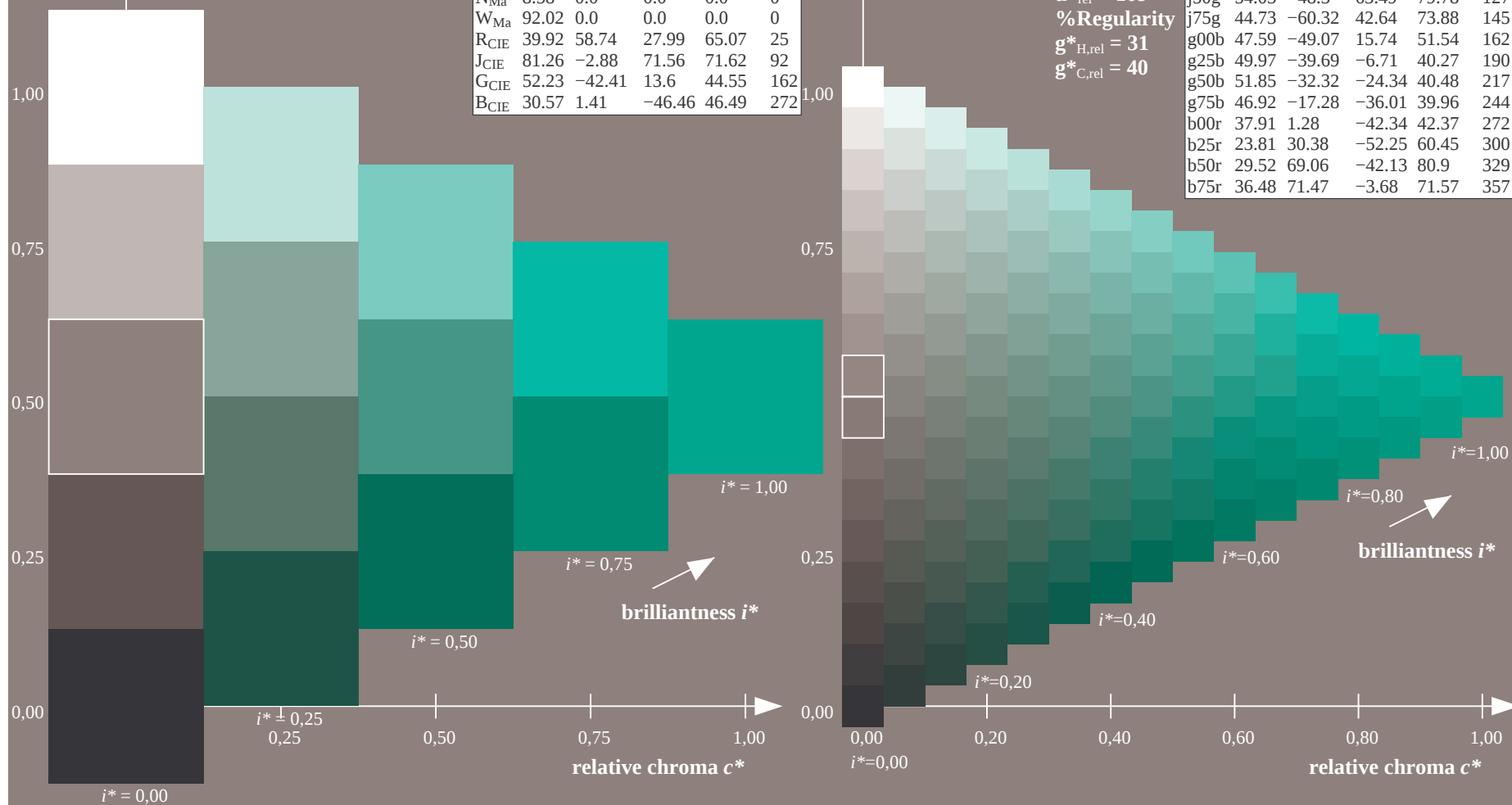
$u^*_{rel} = 109$

%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^*

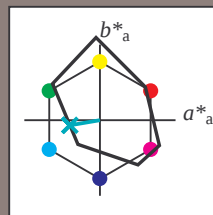
elementary hue text:

$u^* = g25b$

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

$u^*_{rel} = 109$

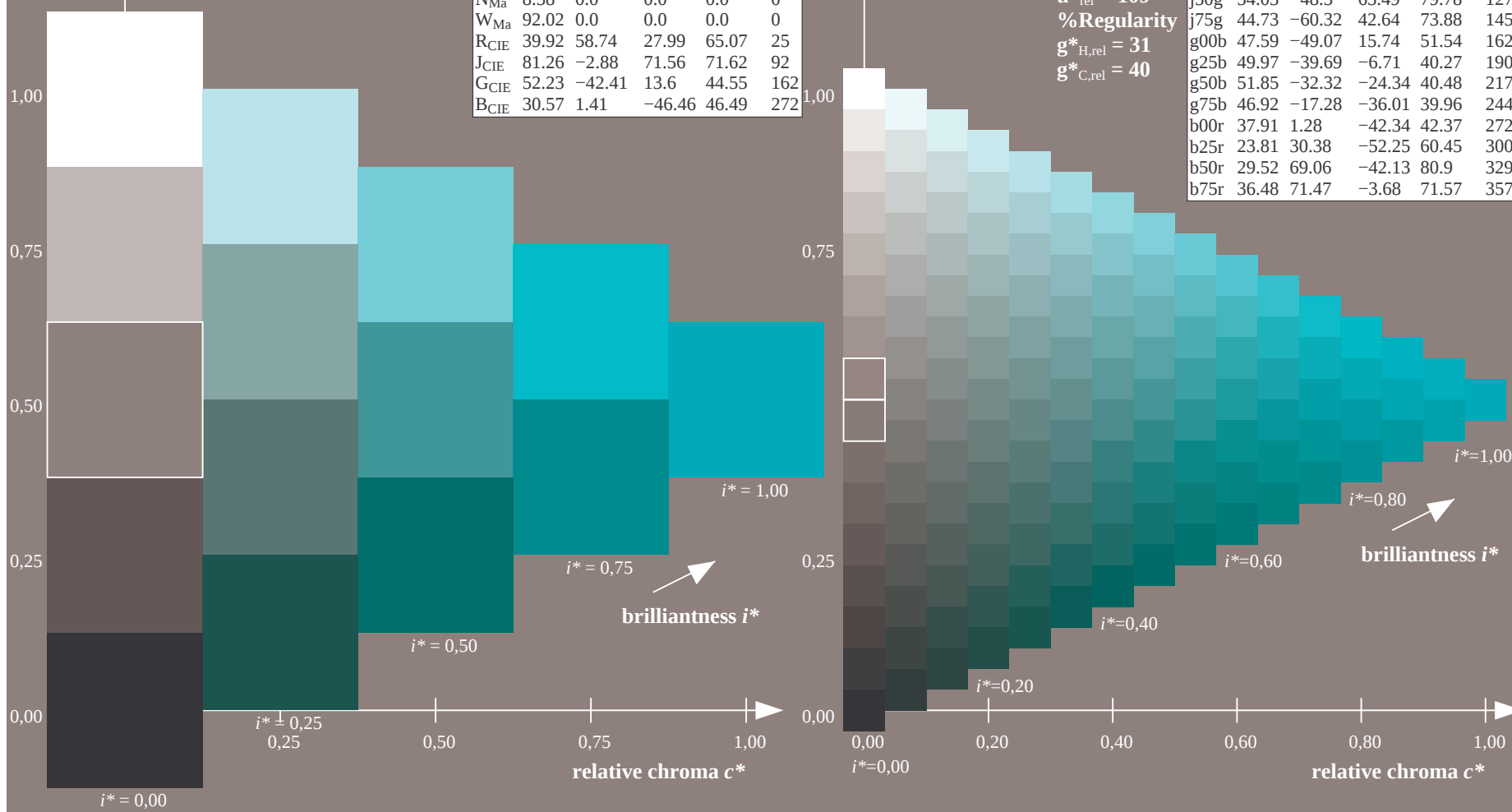
%Regularity

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

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

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^*

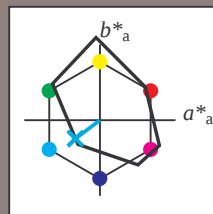
elementary hue text:

$u^* = g50b$

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

$u^*_{rel} = 109$

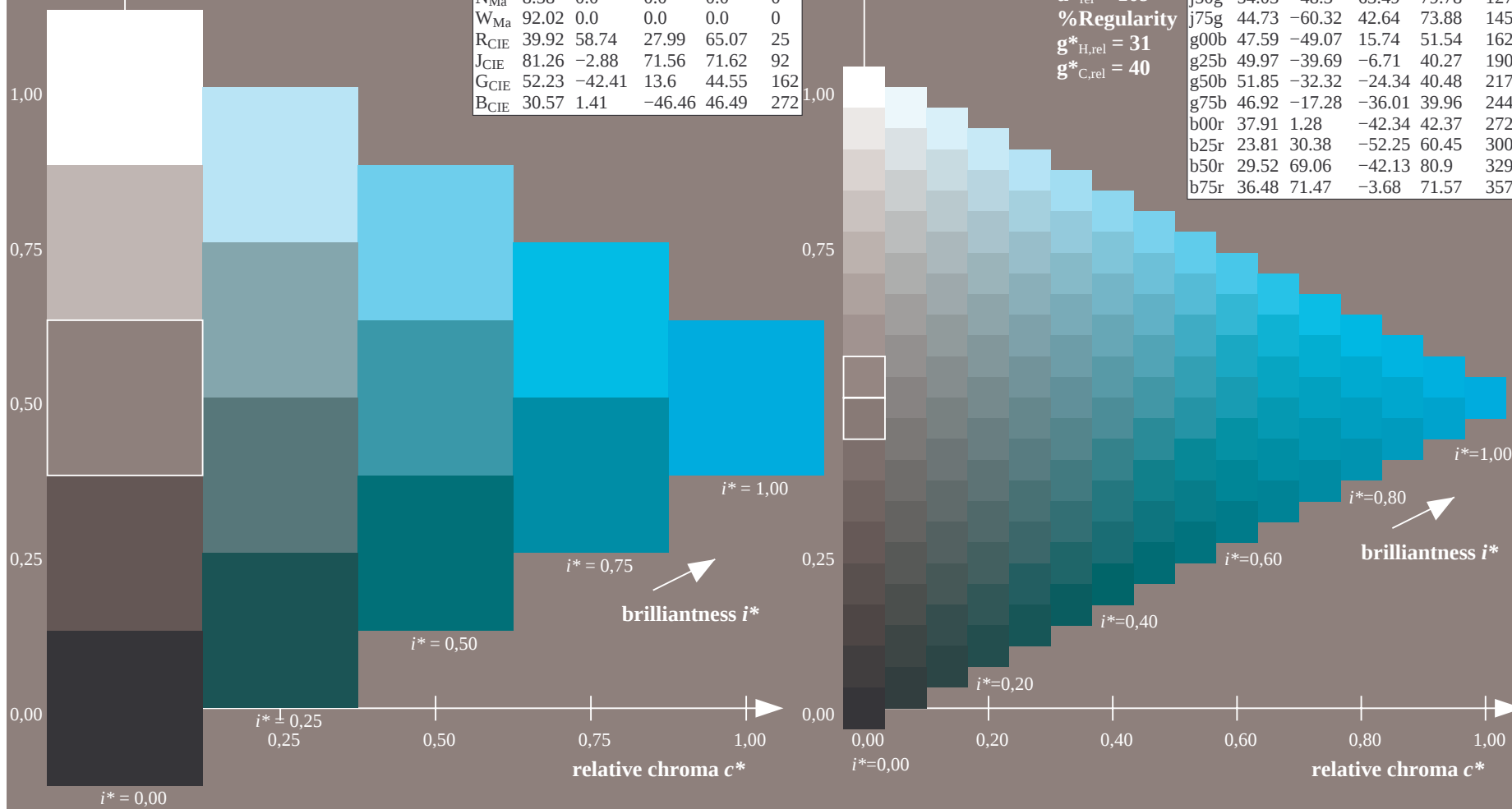
%Regularity

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

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

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^*

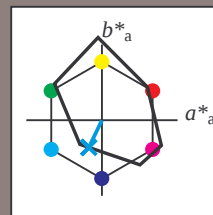
elementary hue text:

$u^* = g75b$

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

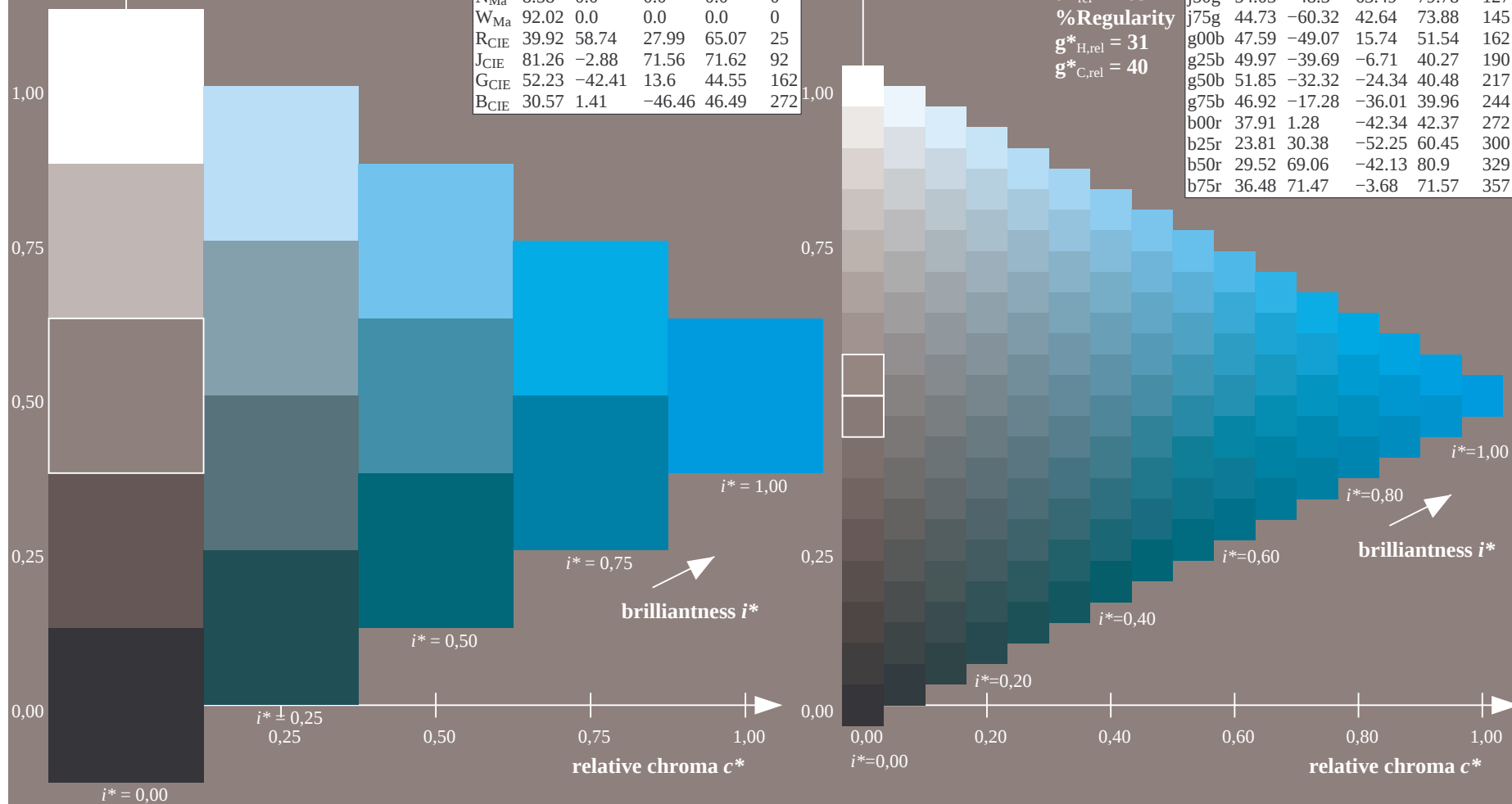
$u^*_{rel} = 109$

%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^*

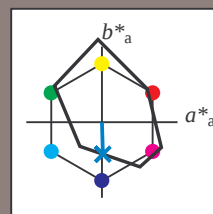
elementary hue text:

$u^* = b00r$

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

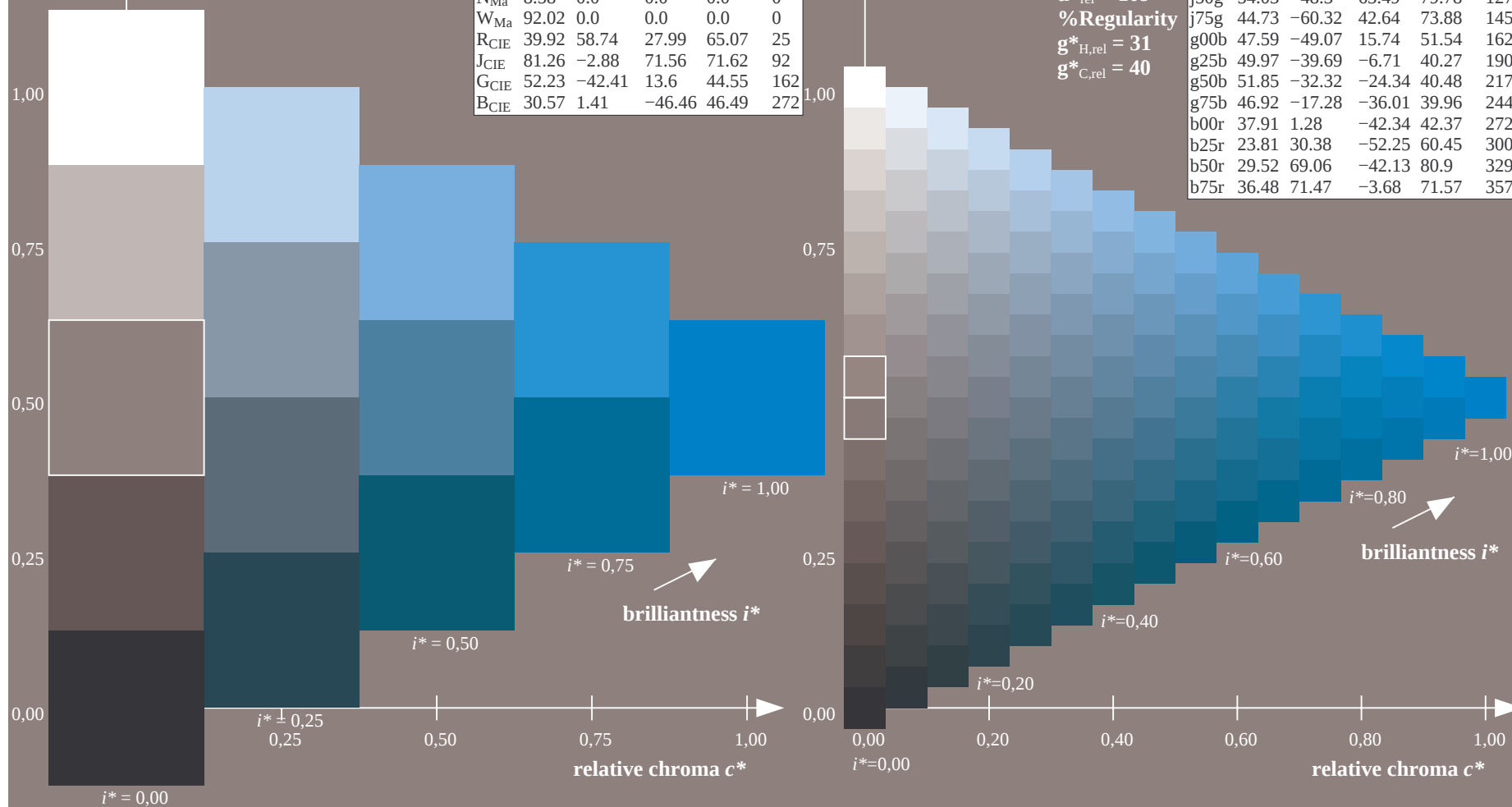
$u^*_{rel} = 109$

%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^*

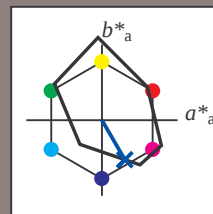
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
R_CIE	39.92	58.74	27.99	65.07	25
J_CIE	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

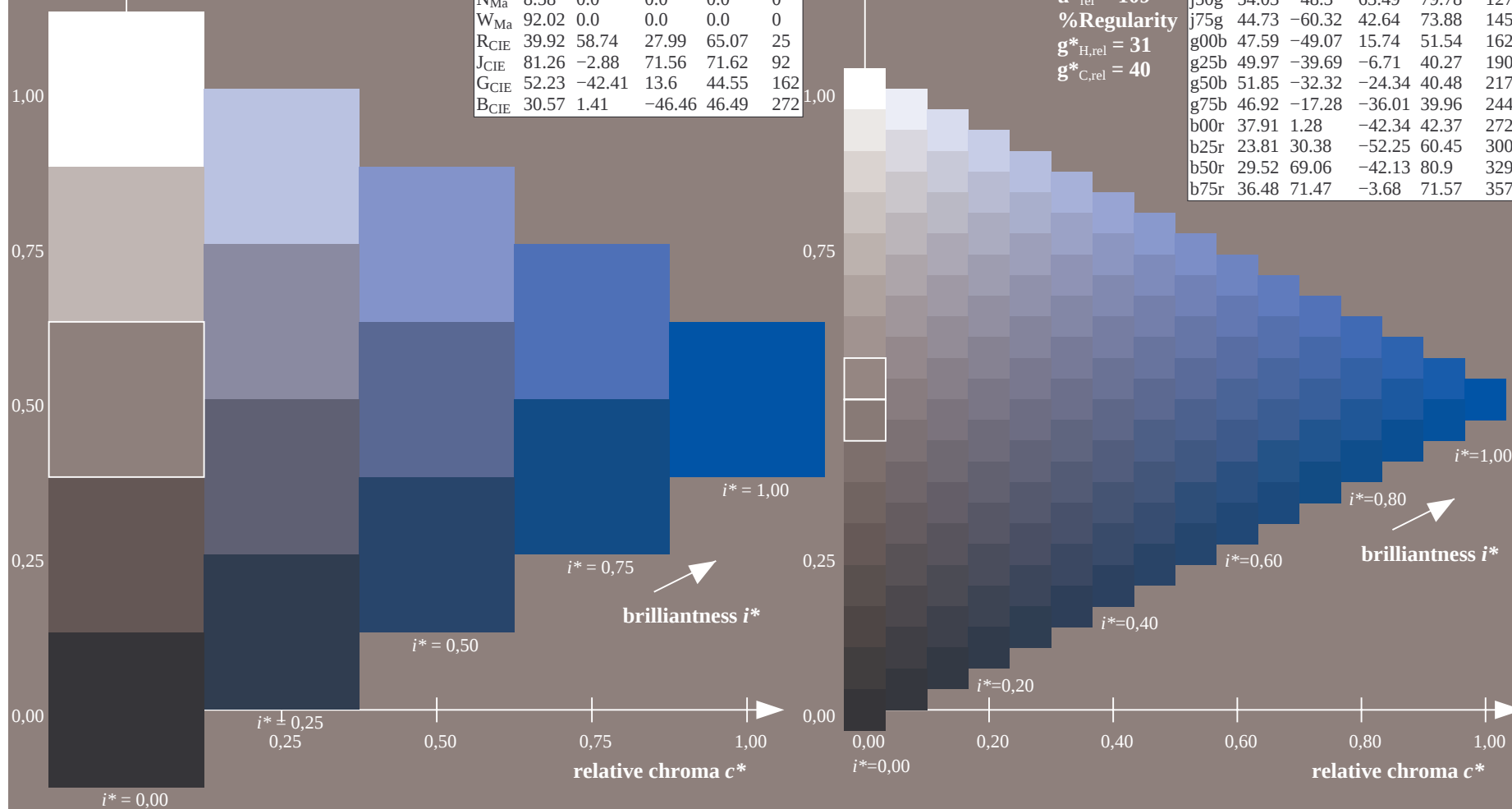
%Regularity

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

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

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: Data for maximum colour (Ma):

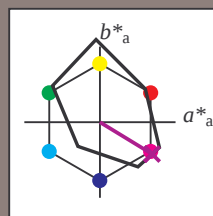
$$u^* = b50r$$

lab*tch* and lab*icu*

elementary hue text:

$$u^* = b50r$$

contrast reduction factor:

$$c_B = 1.0$$
triangle lightness t^* 

FRS09_92a; adapted (a) CIELAB data						
	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*_{M2}: 30 81 329

$$lab*rab*M_3: 1.0 \quad 0.0 \quad 1.0$$

*lab*oly**M₃: 0.66 0.0 1.0

triangle lightness *

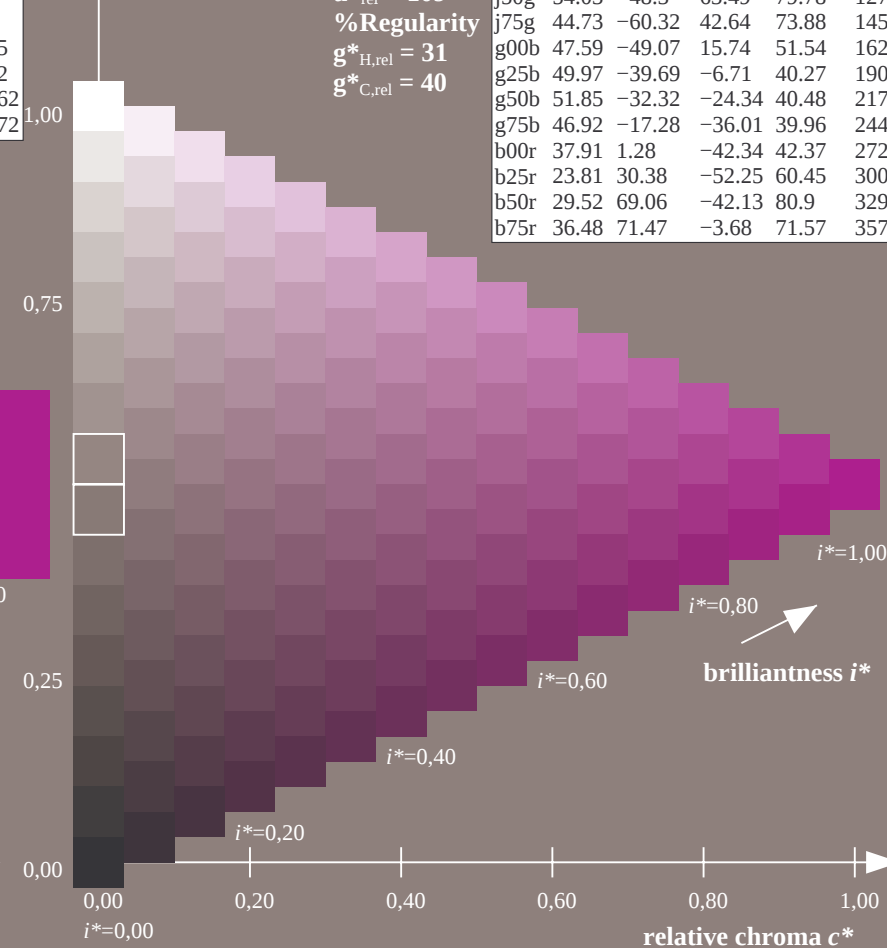
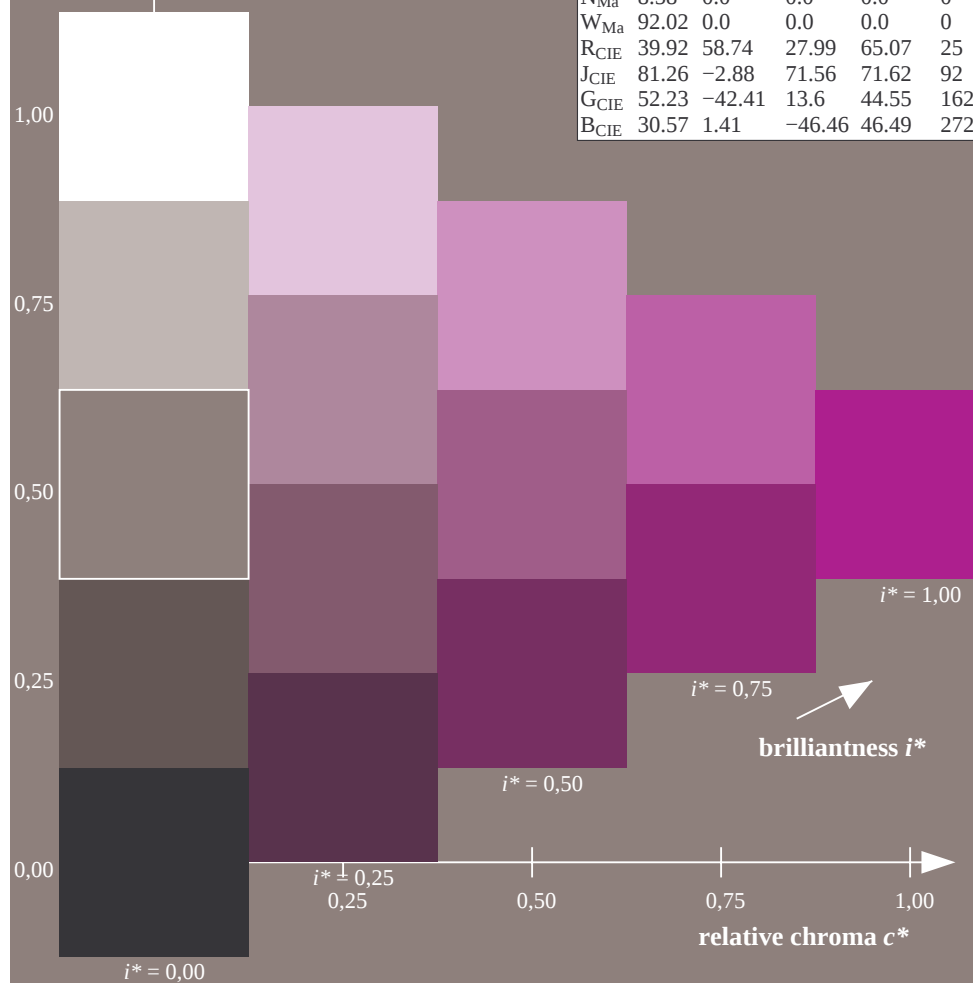
triangle lightness L^*

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

%Gamut

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

%Regularity

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


BAM-test chart De96; Colorimetric systems, Page 34/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De96/10L/L96E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

See for similar files: <http://www.ps.bam.de/De96/>; 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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

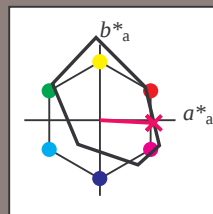
elementary hue text:

$u^* = b75r$

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

$u^*_{rel} = 109$

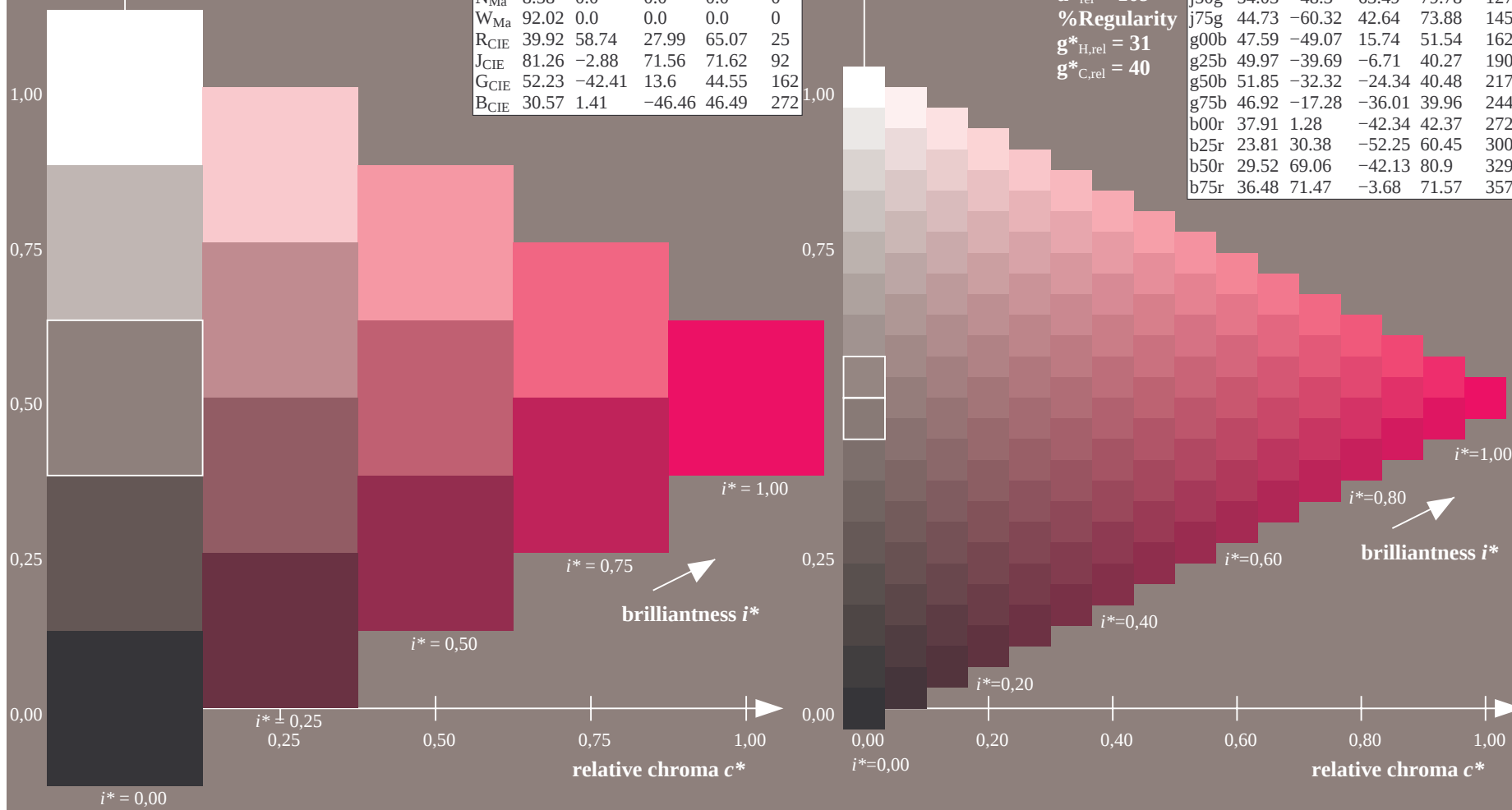
%Regularity

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

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

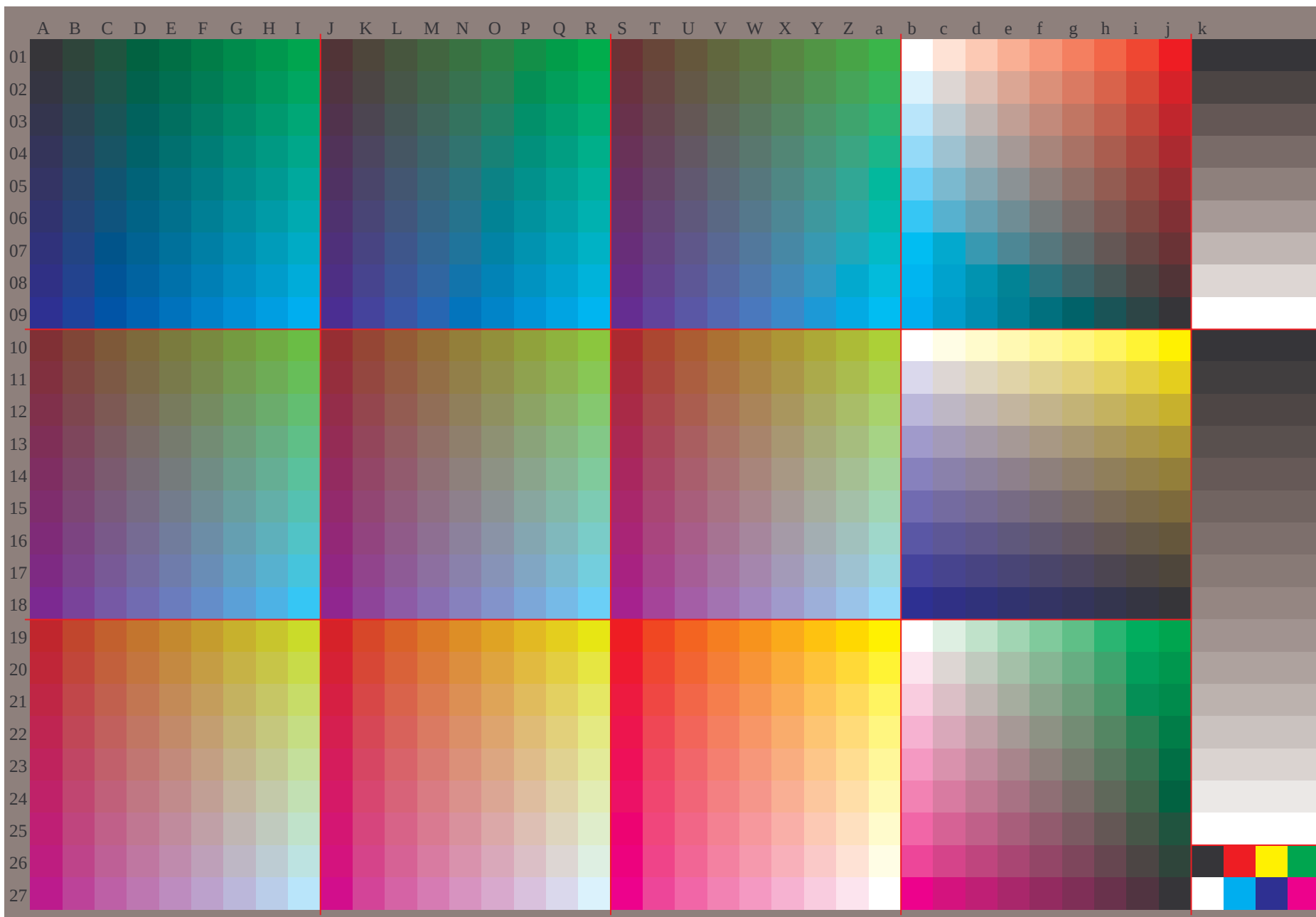
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	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-De96/10L/L96E00NA.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/De96/>; www.ps.bam.de/De.HTM
 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 $lab^{*}icu^{*}$

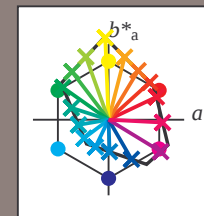
elementary hue text:

$u^{*} = 16$ 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

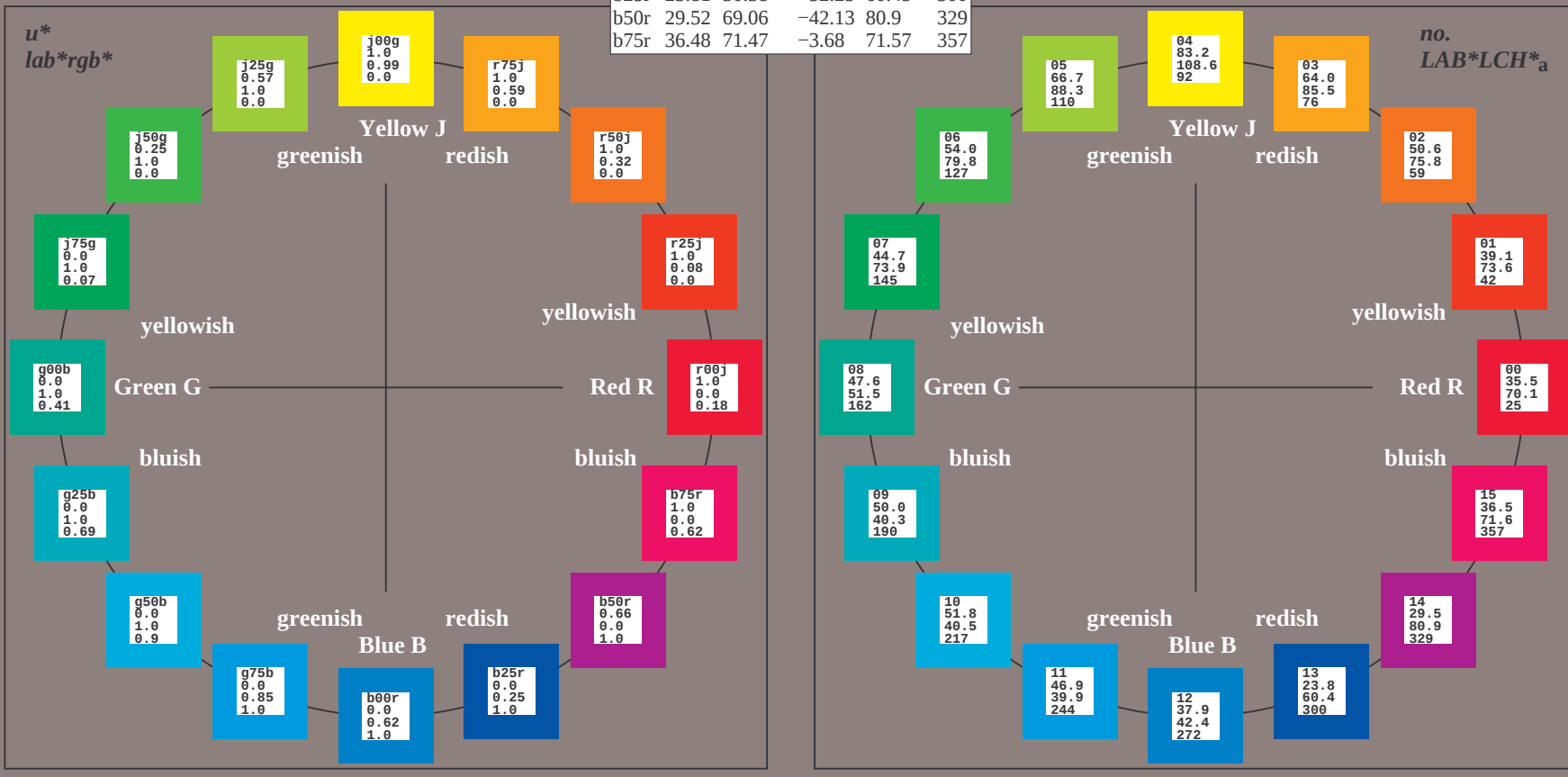
$u^{*}_{rel} = 109$

%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^*

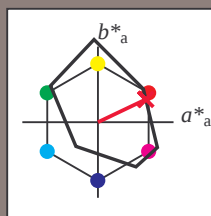
elementary hue text:

$u^* = r00j$

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

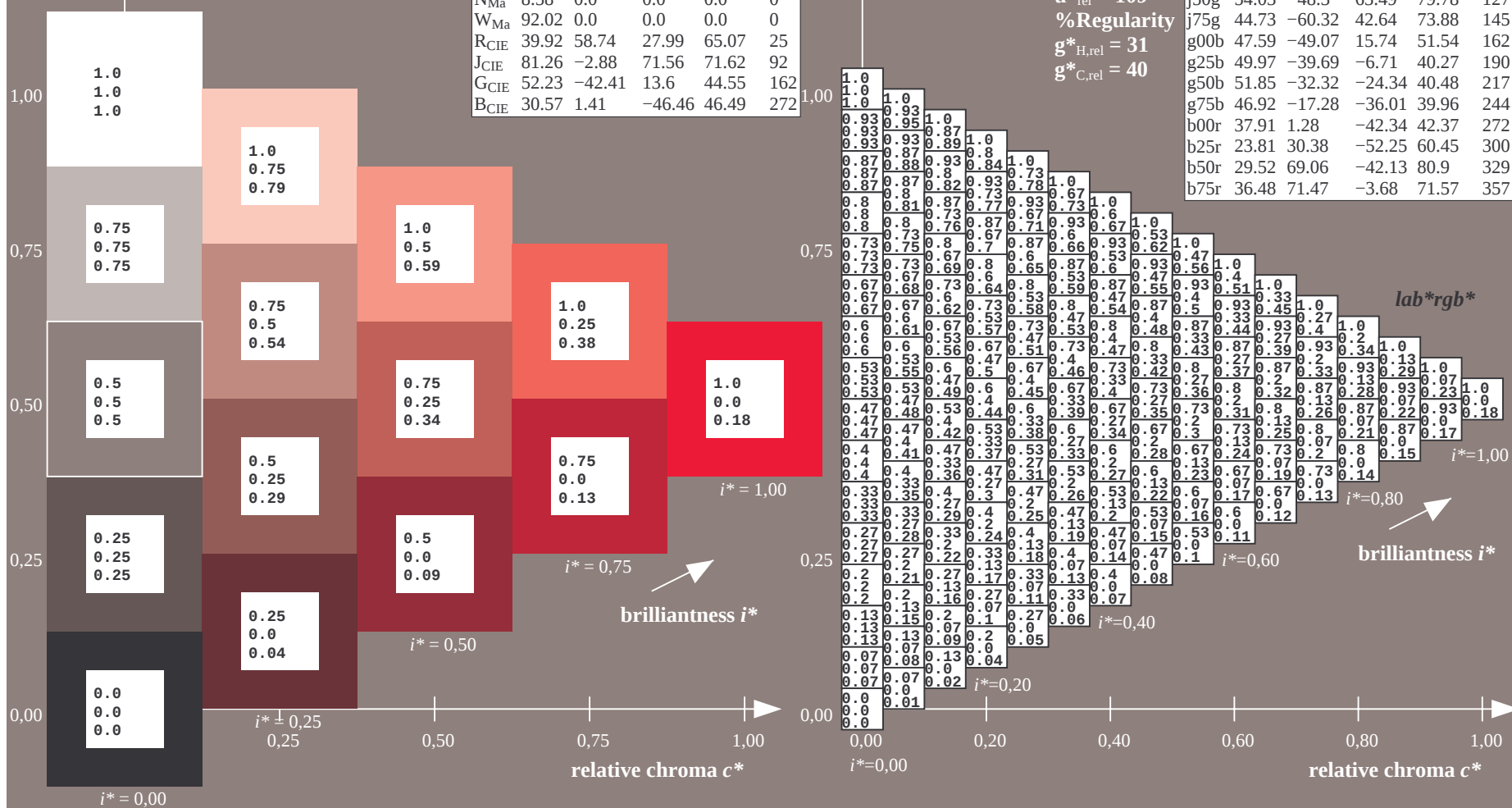
$u^*_{rel} = 109$

%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^*

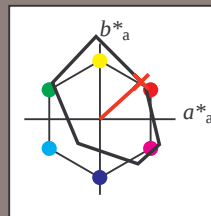
elementary hue text:

$u^* = r25j$

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

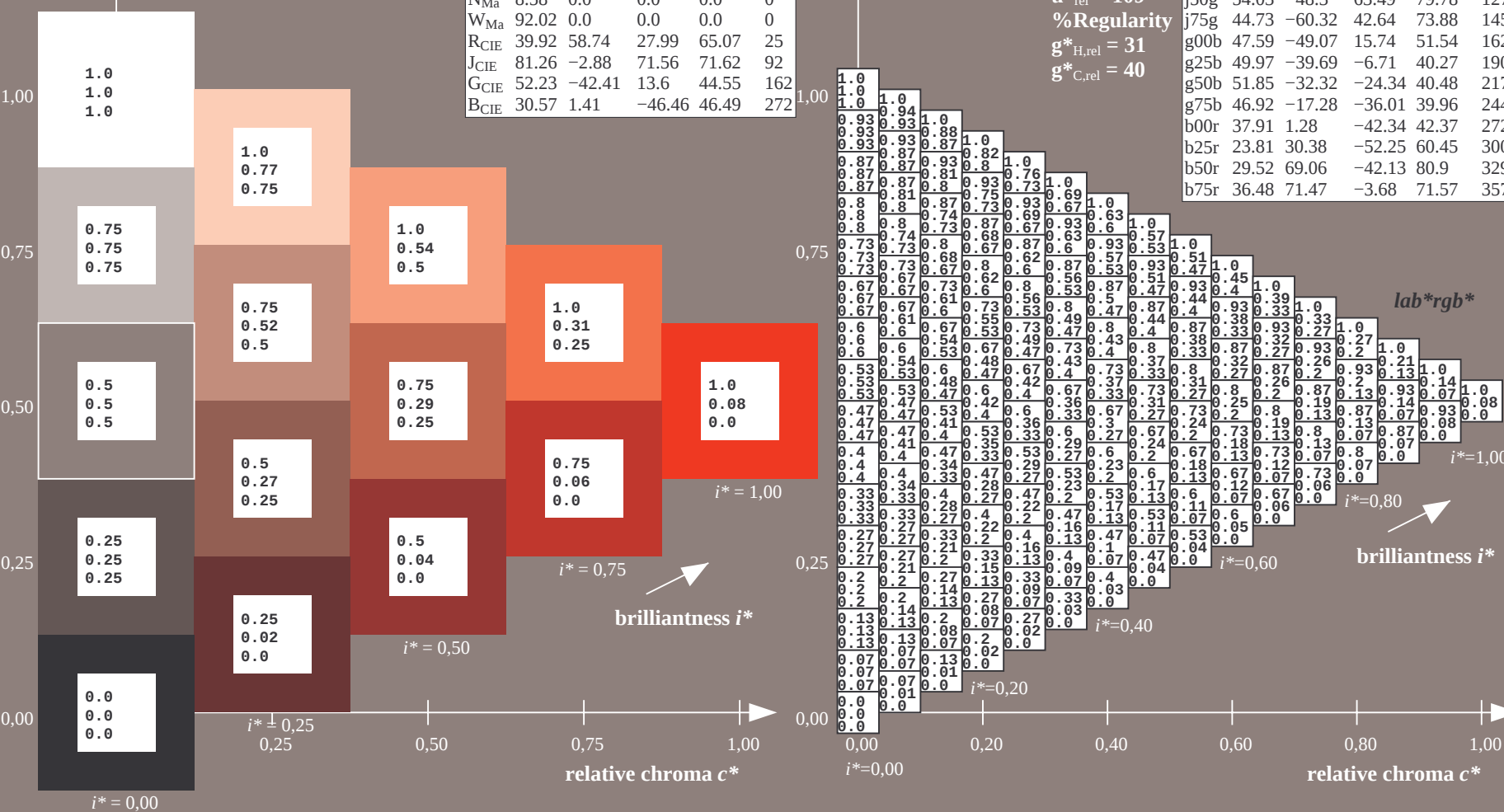
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 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^*

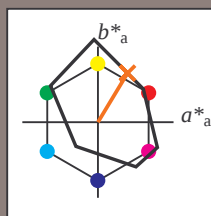
elementary hue text:

$u^* = r50j$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

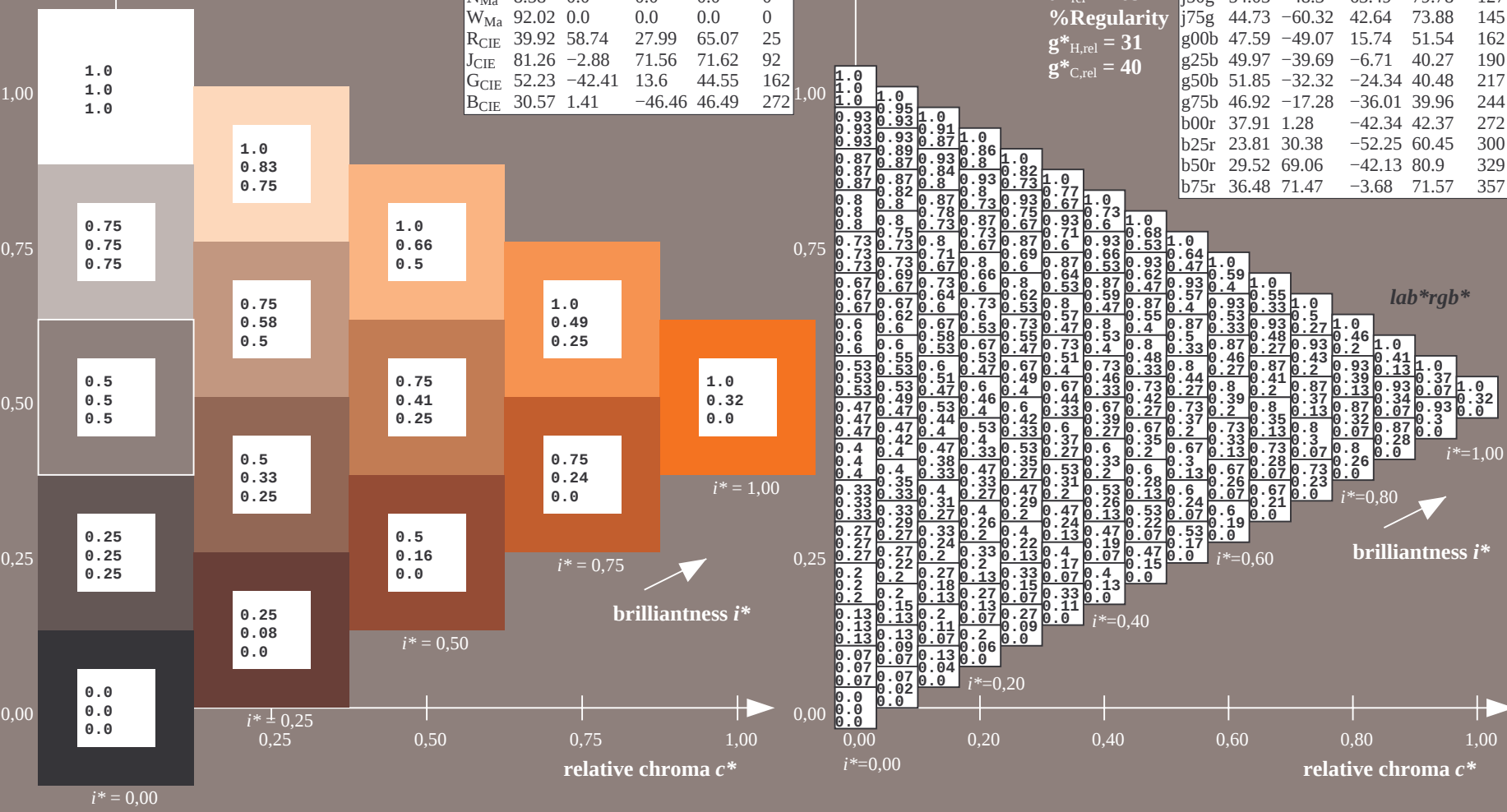
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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^*

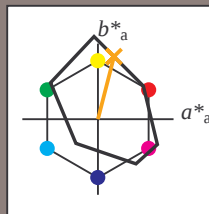
elementary hue text:

$u^* = r75j$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

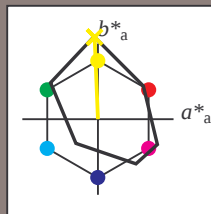
elementary hue text:

$u^* = j00g$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

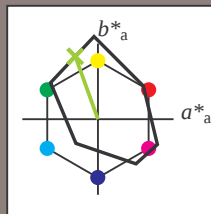
elementary hue text:

$u^* = j25g$

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

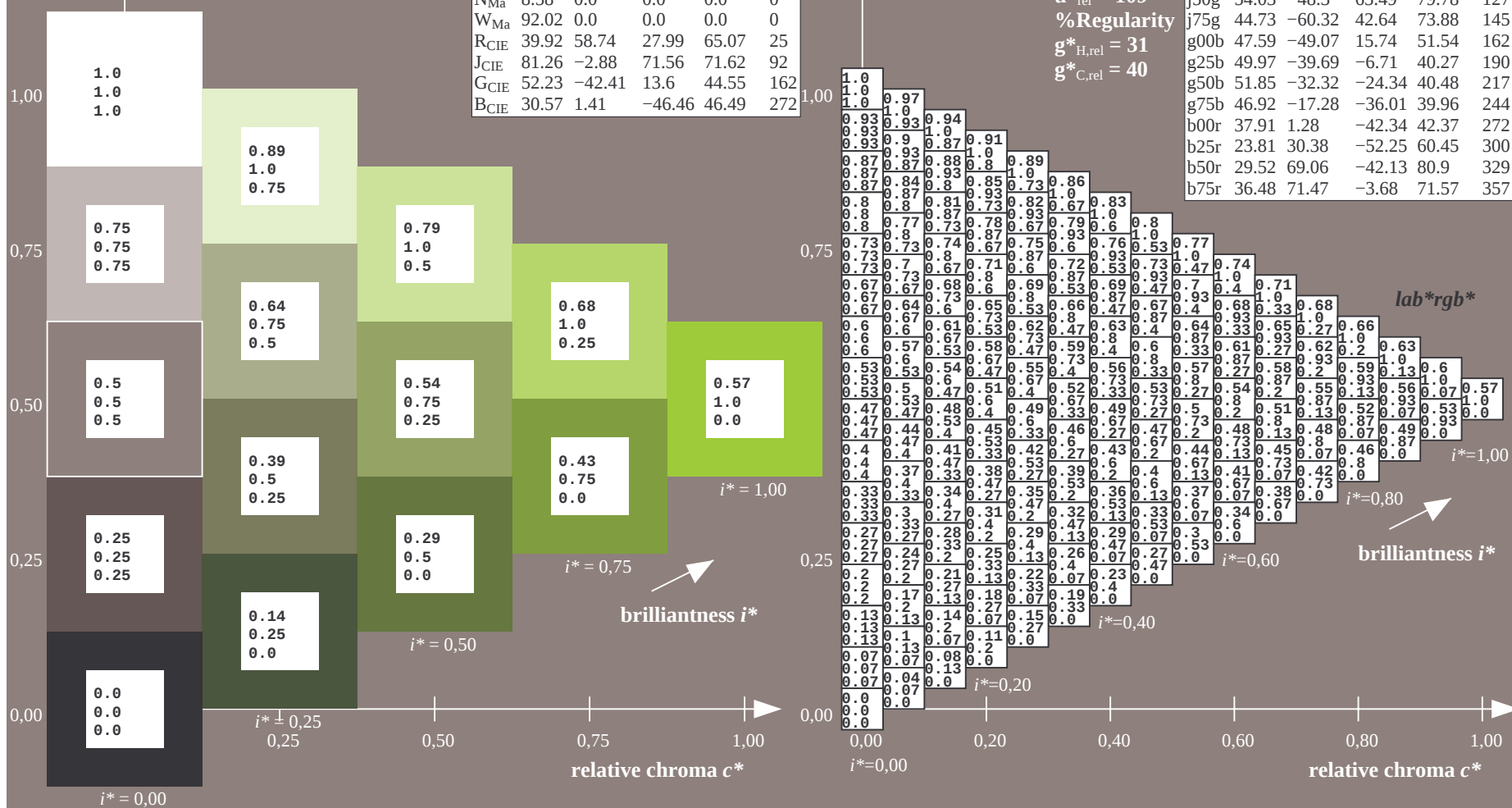
$u^*_{rel} = 109$

%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^*

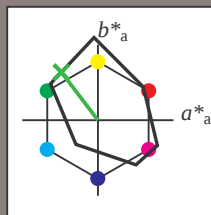
elementary hue text:

$u^* = j50g$

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

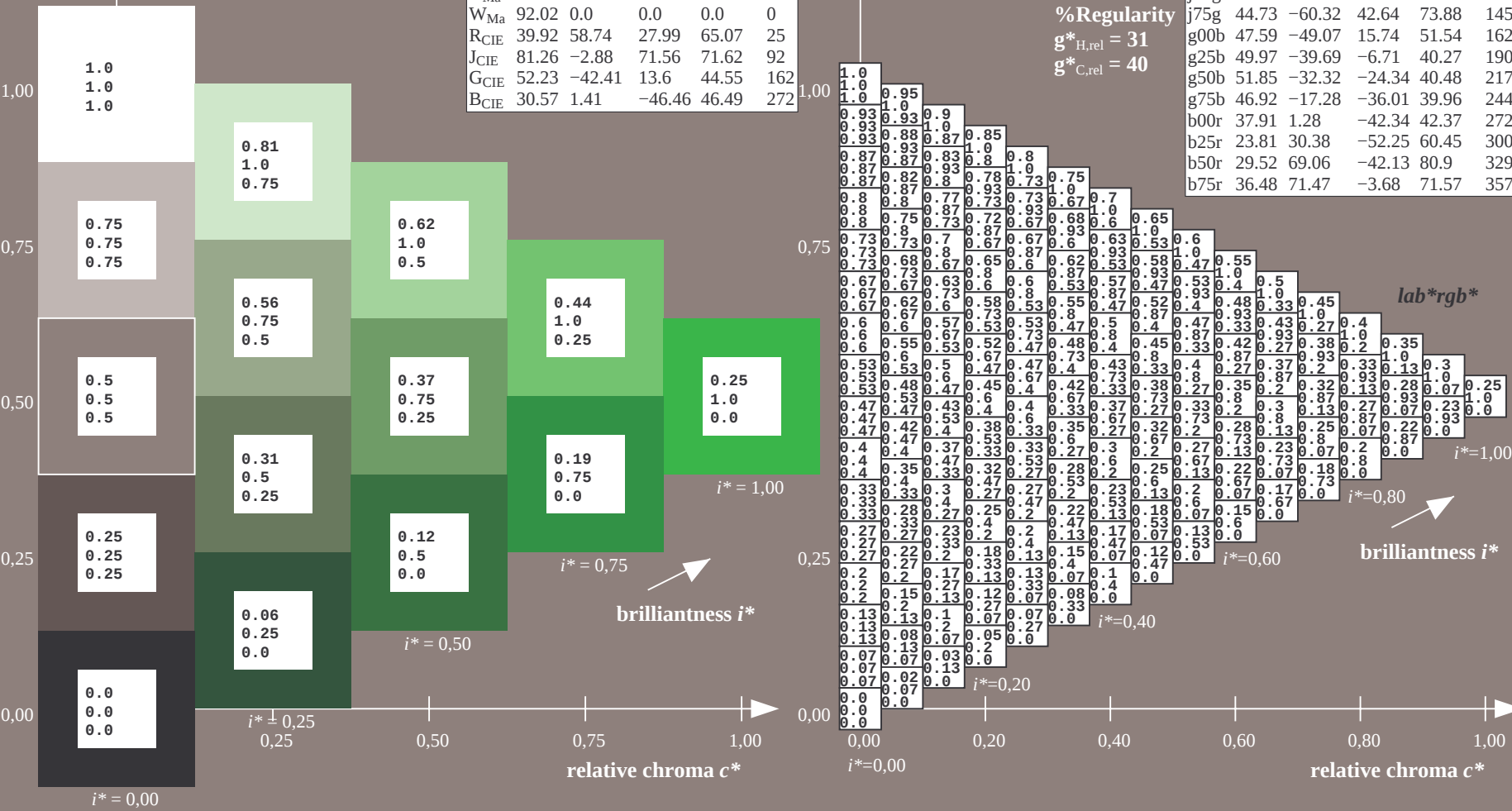
$u^*_{rel} = 109$

%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^*

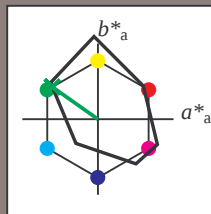
elementary hue text:

$u^* = j75g$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

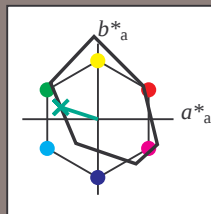
elementary hue text:

$u^* = g00b$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

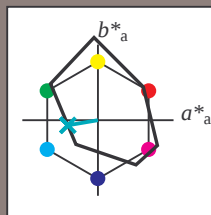
elementary hue text:

$u^* = g25b$

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

lab^*rgb^*

$i^* = 1.00$

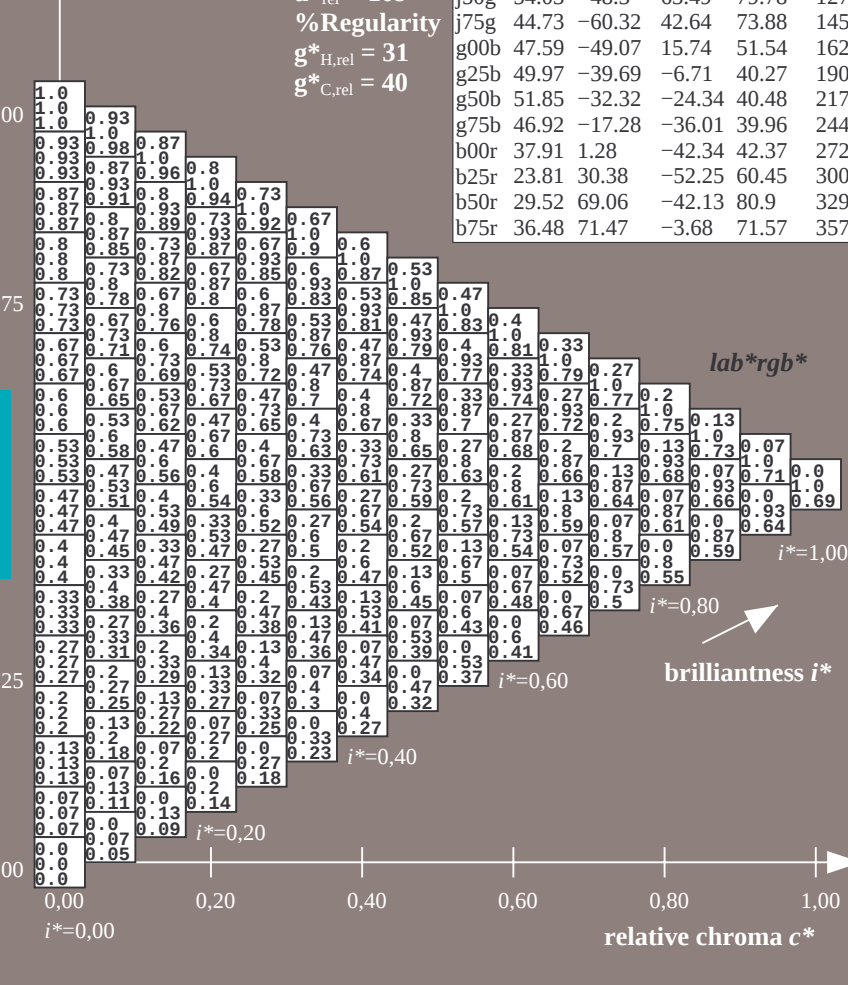
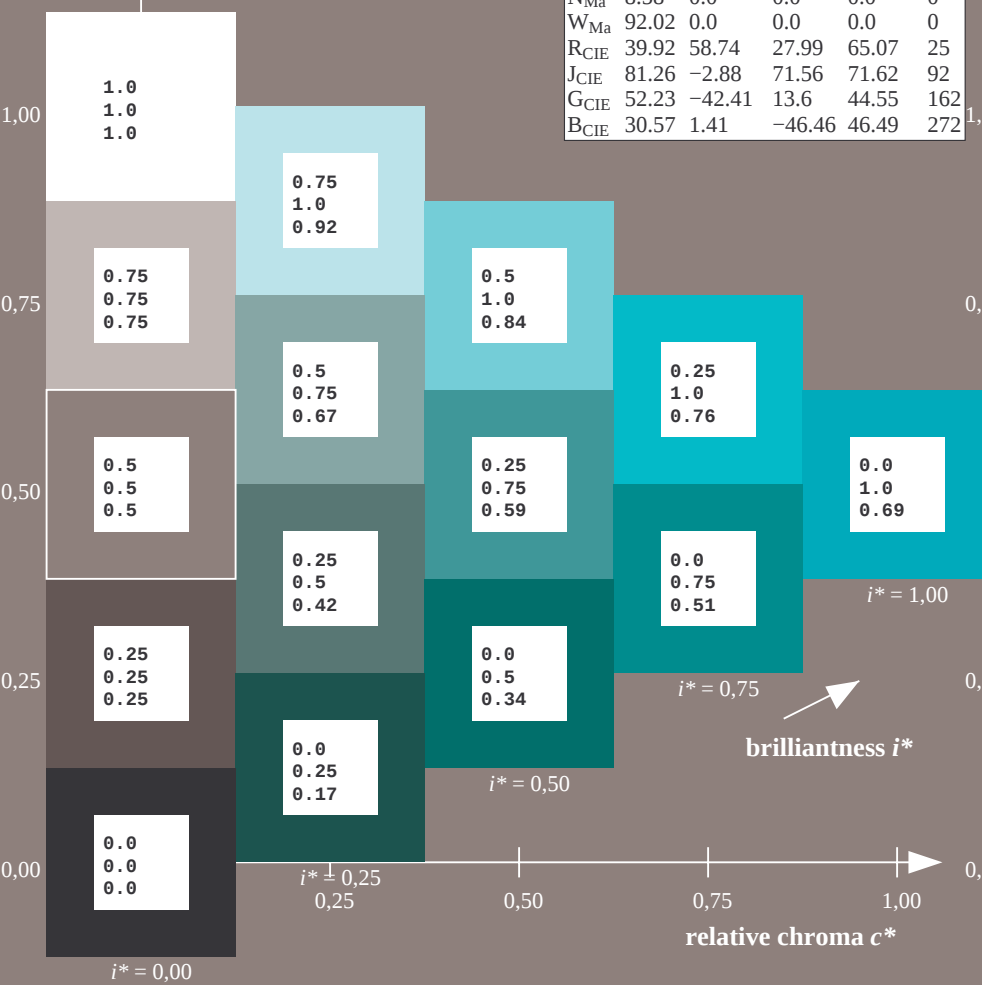
brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$



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^*

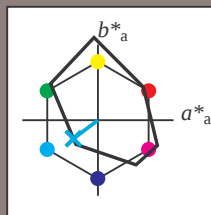
elementary hue text:

$u^* = g50b$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

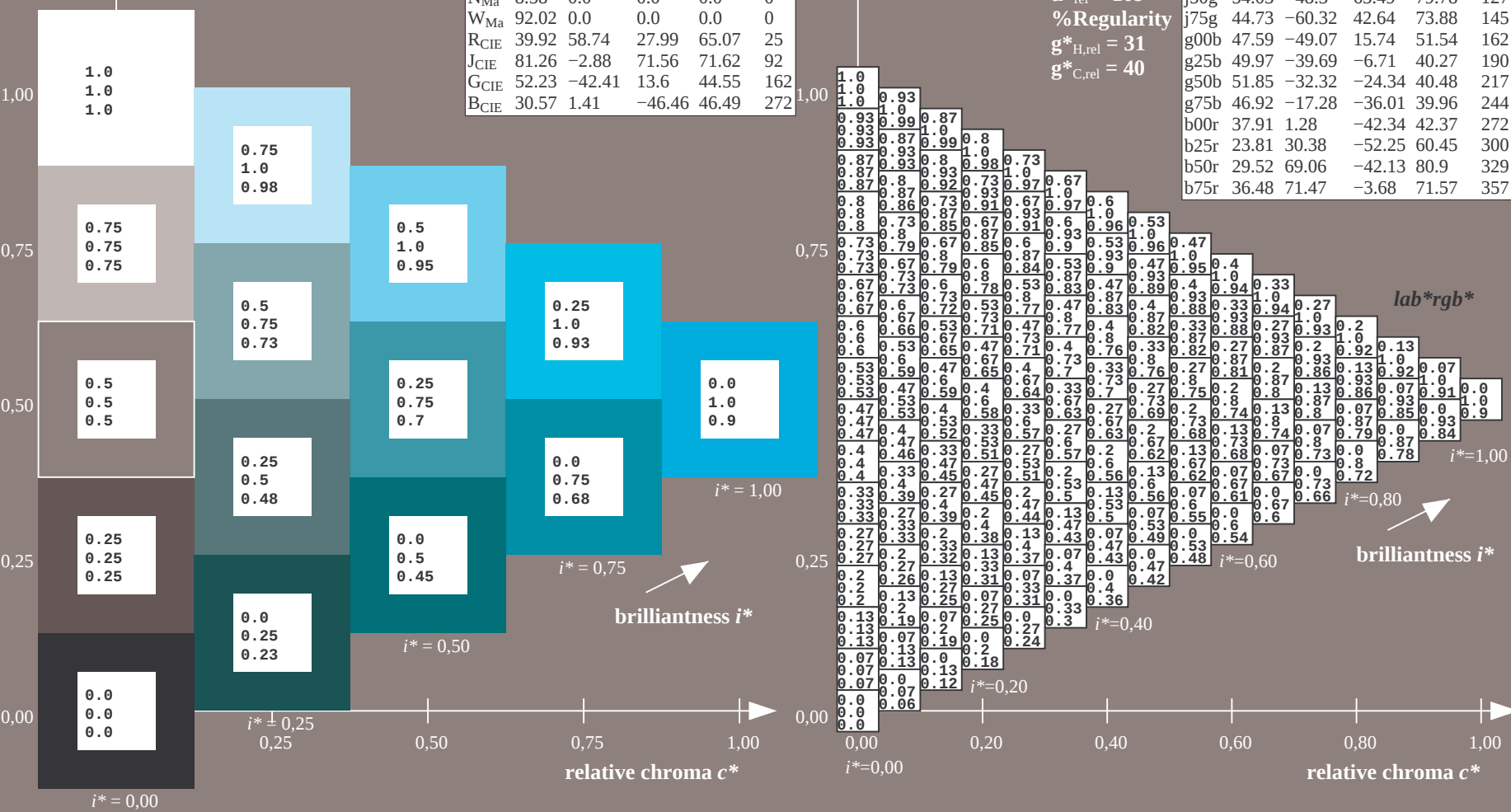
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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^*

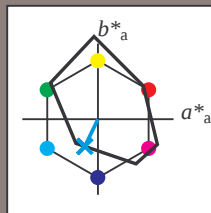
elementary hue text:

$u^* = g75b$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

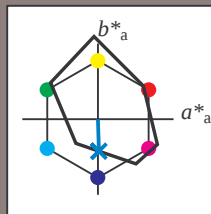
elementary hue text:

$u^* = b00r$

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

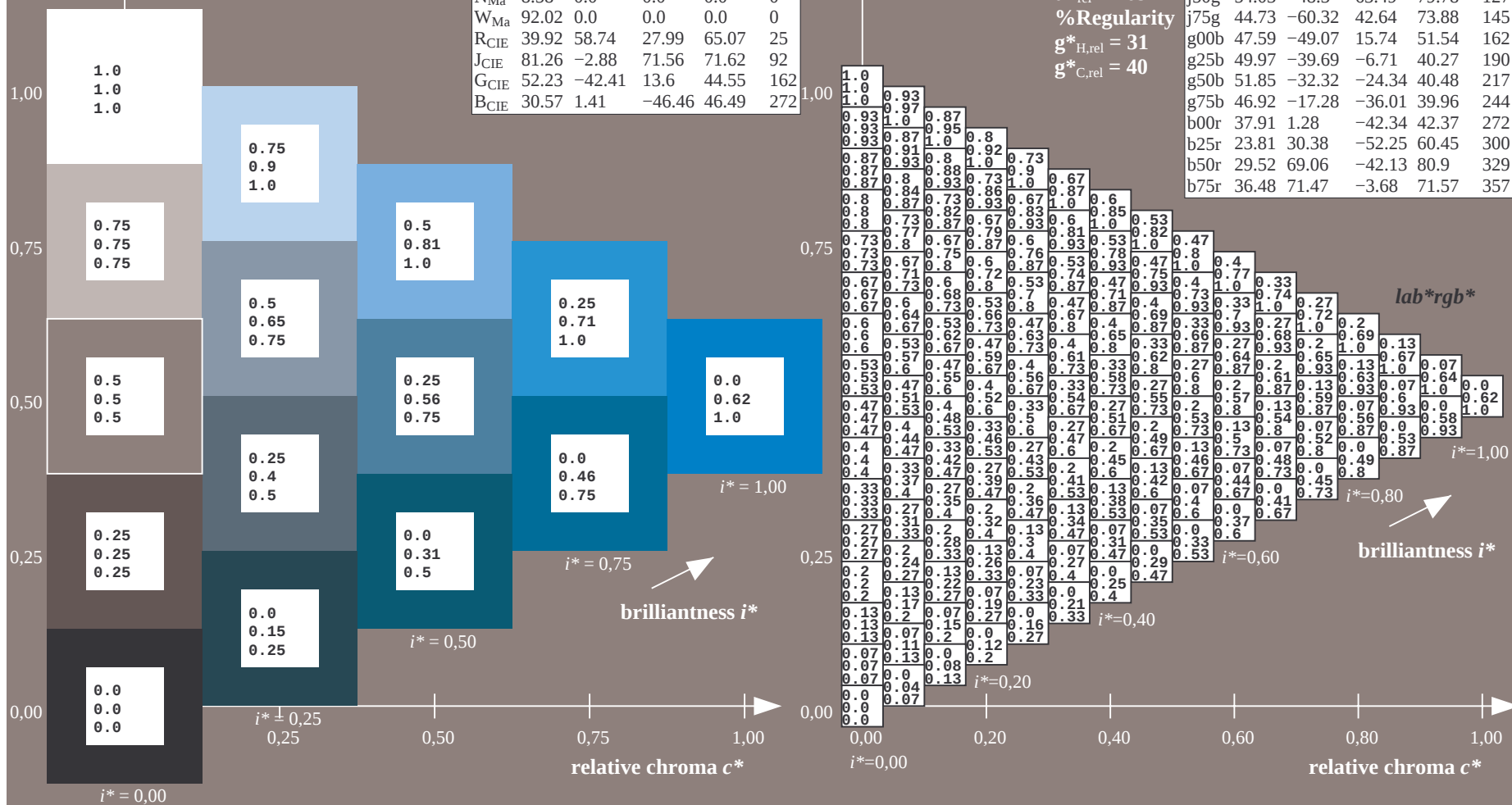
$u^*_{rel} = 109$

%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^*

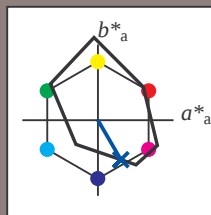
elementary hue text:

$u^* = b25r$

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

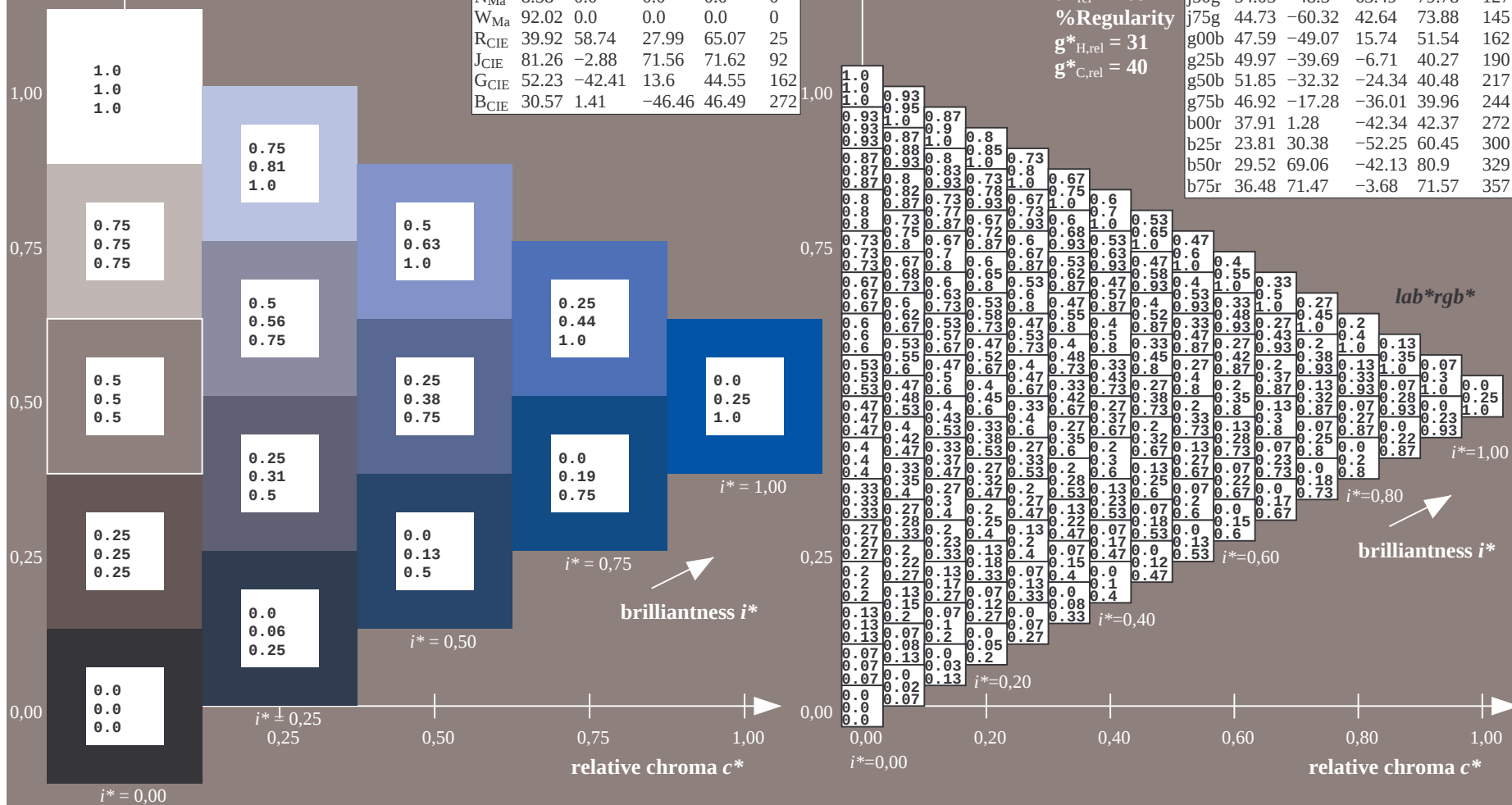
$u^*_{rel} = 109$

%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^*

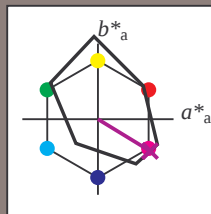
elementary hue text:

$u^* = b50r$

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

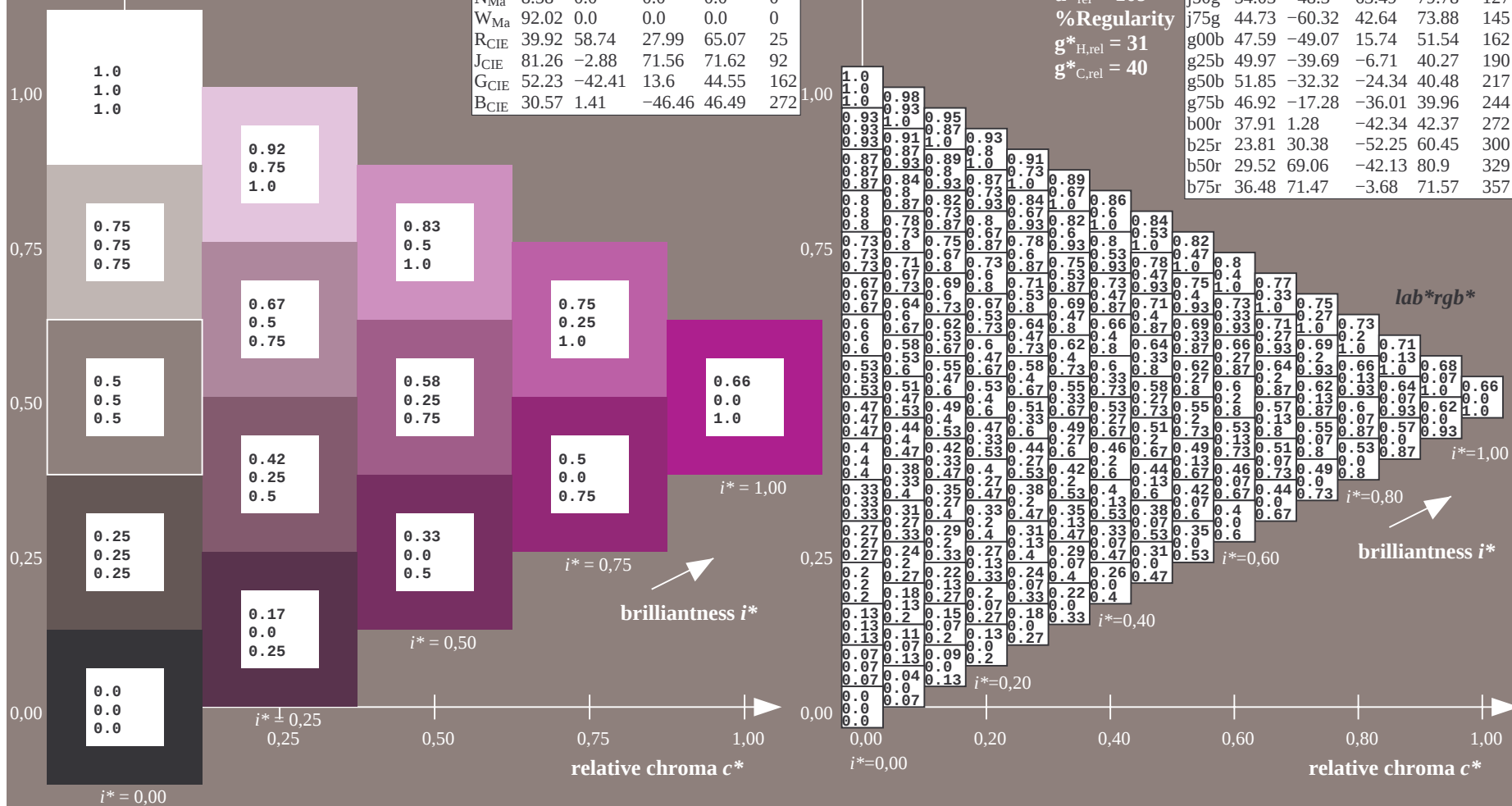
$u^*_{rel} = 109$

%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^*

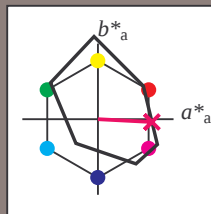
elementary hue text:

$u^* = b75r$

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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

See for similar files: <http://www.ps.bam.de/De96/>; www.ps.bam.de/De96/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*			
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13	
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25	
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25	
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	
	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75	
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75	
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88	
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88	
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
10	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
11	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.																	

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

lab^*_{tch} and lab^*_{icu}

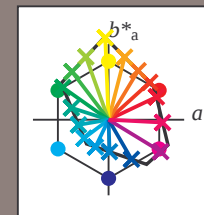
elementary hue text:

$u^* = 16$ 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

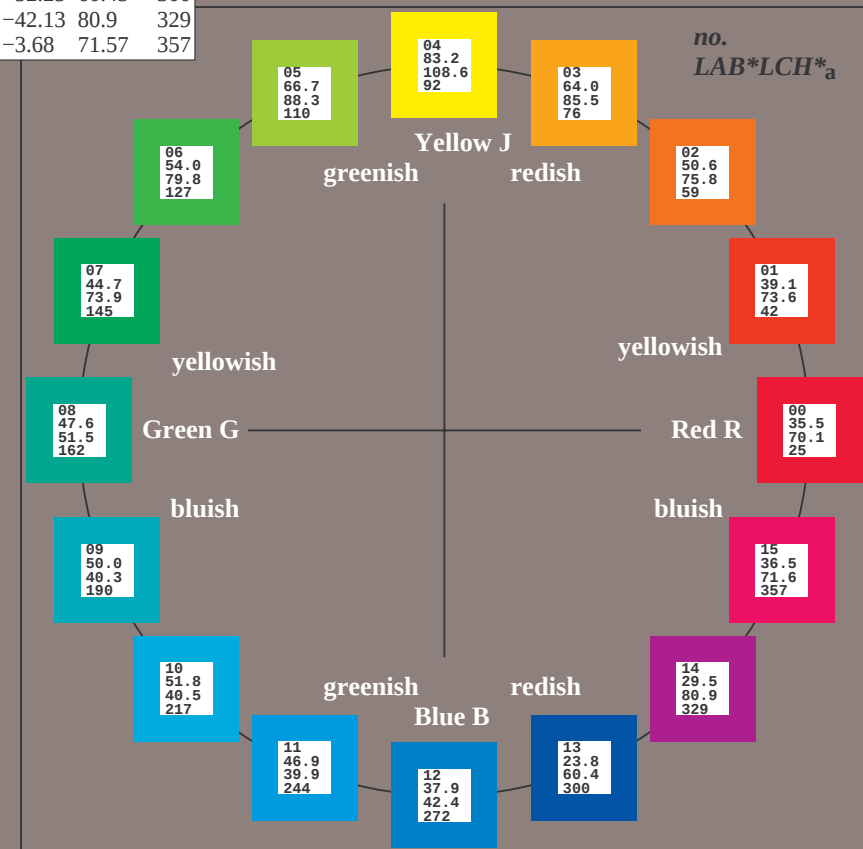
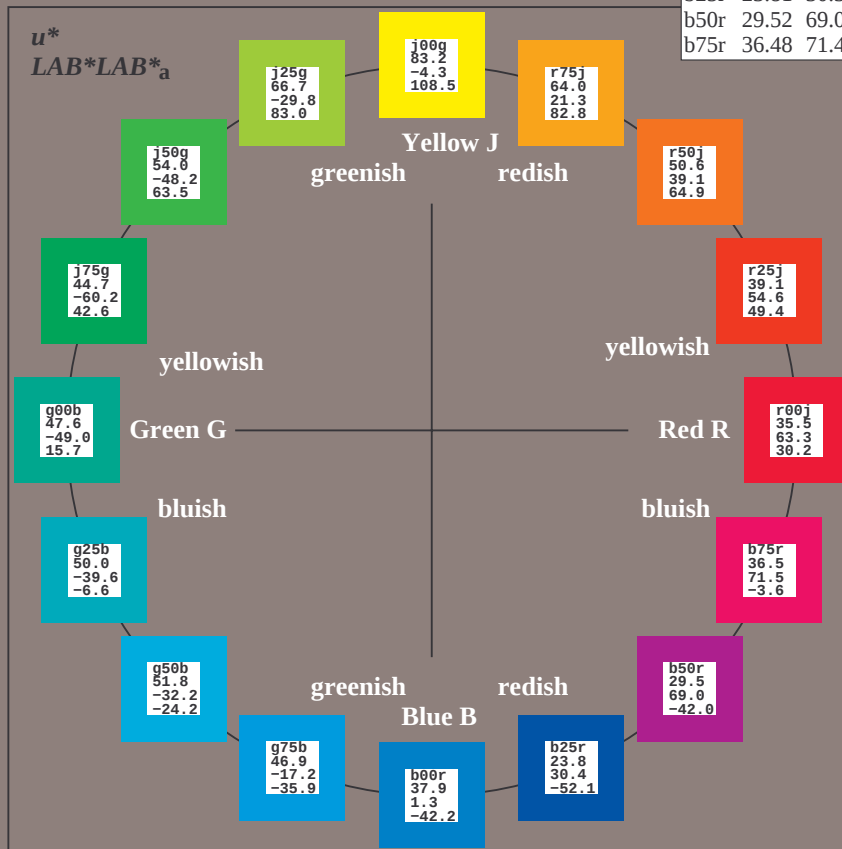
$u^*_{rel} = 109$

%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^*

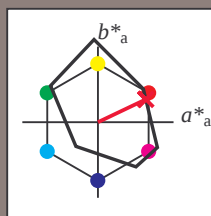
elementary hue text:

$u^* = r00j$

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

$LAB^*LAB^*_a$

$i^* = 1.00$

brilliantness i^*

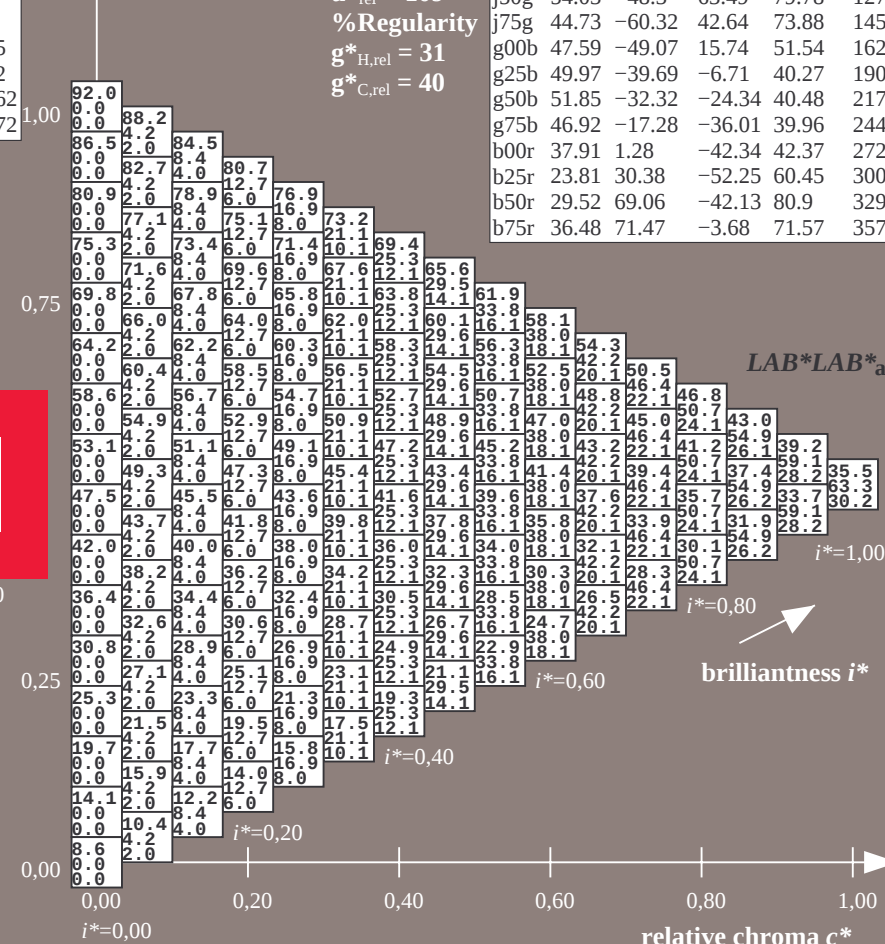
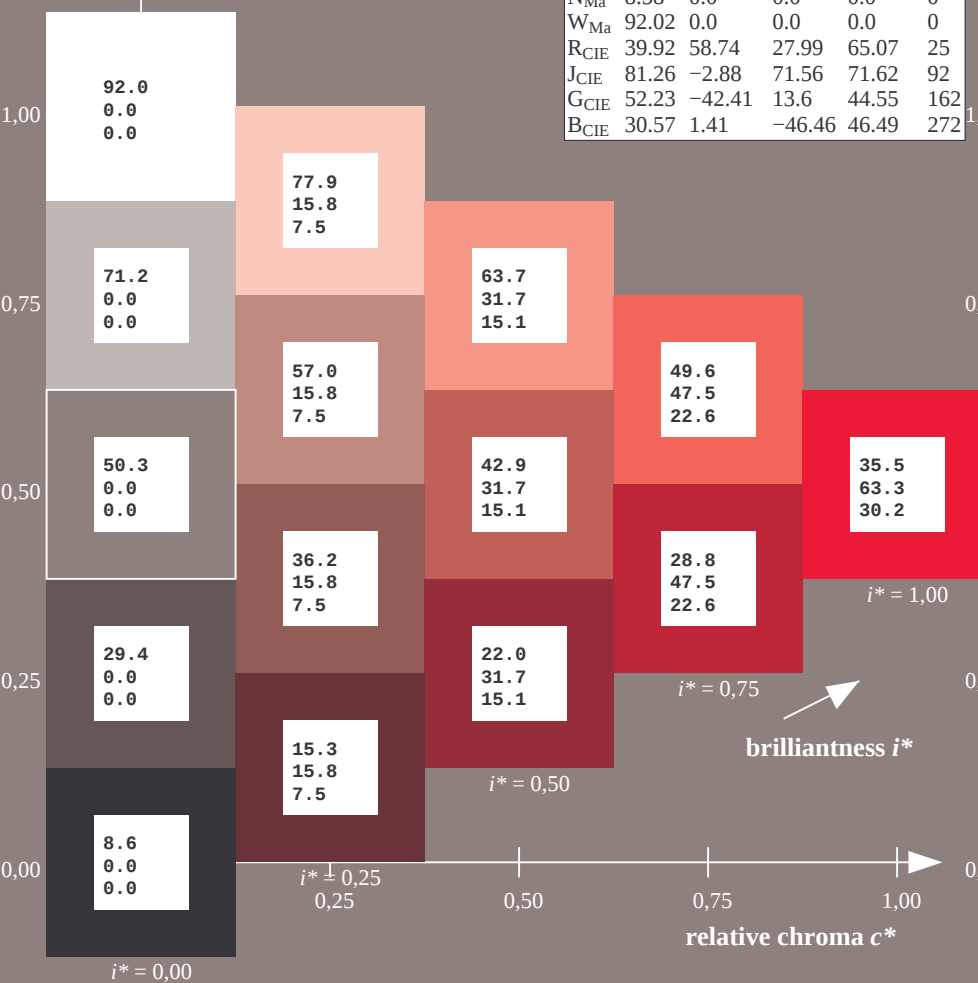
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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^*

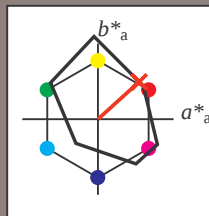
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
R_CIE	39.92	58.74	27.99	65.07	25
J_CIE	81.26	-2.88	71.56	71.62	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

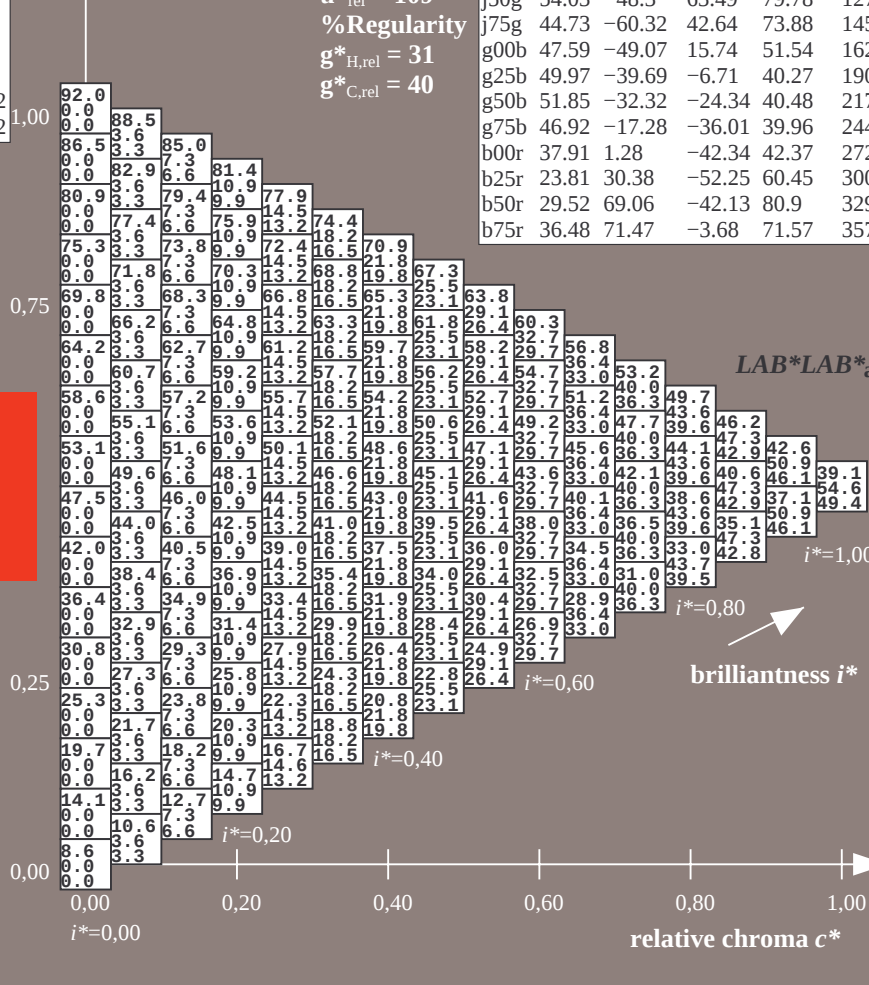
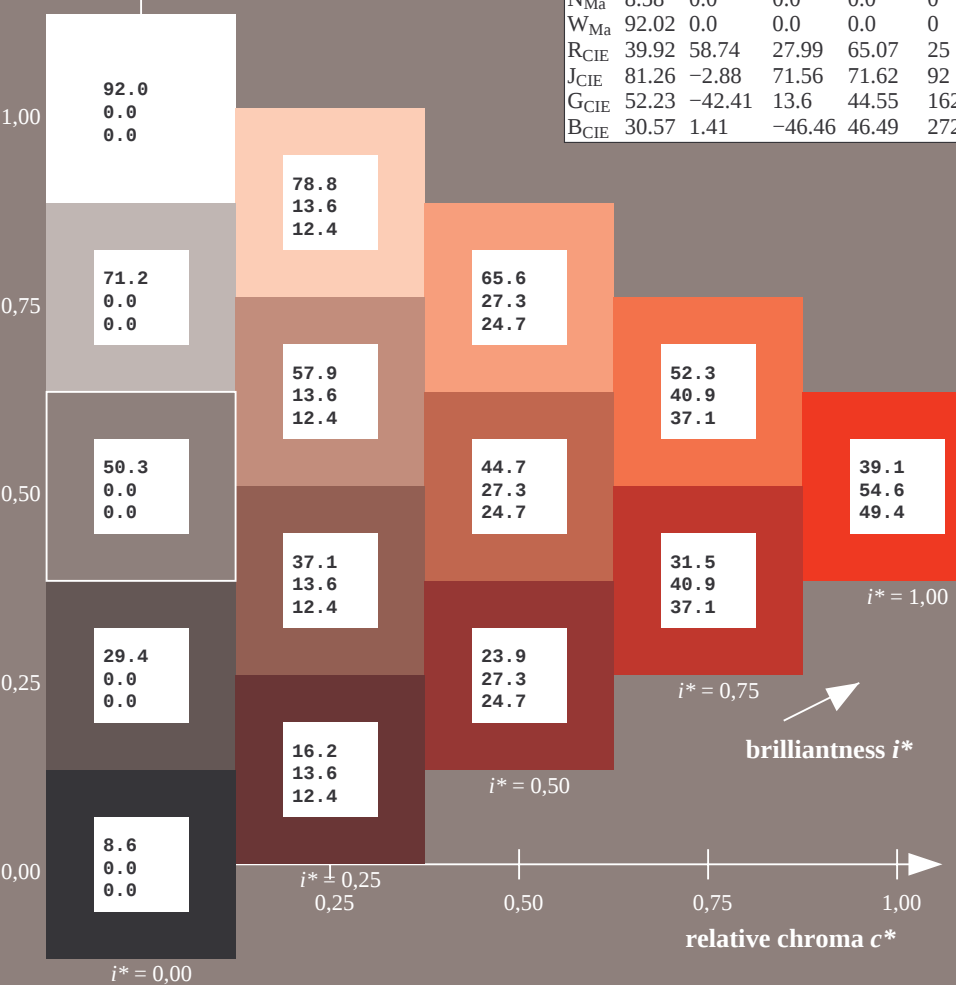
$u^*_{rel} = 109$

%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^*

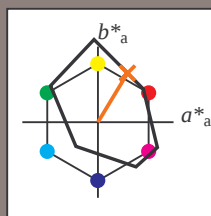
elementary hue text:

$u^* = r50j$

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

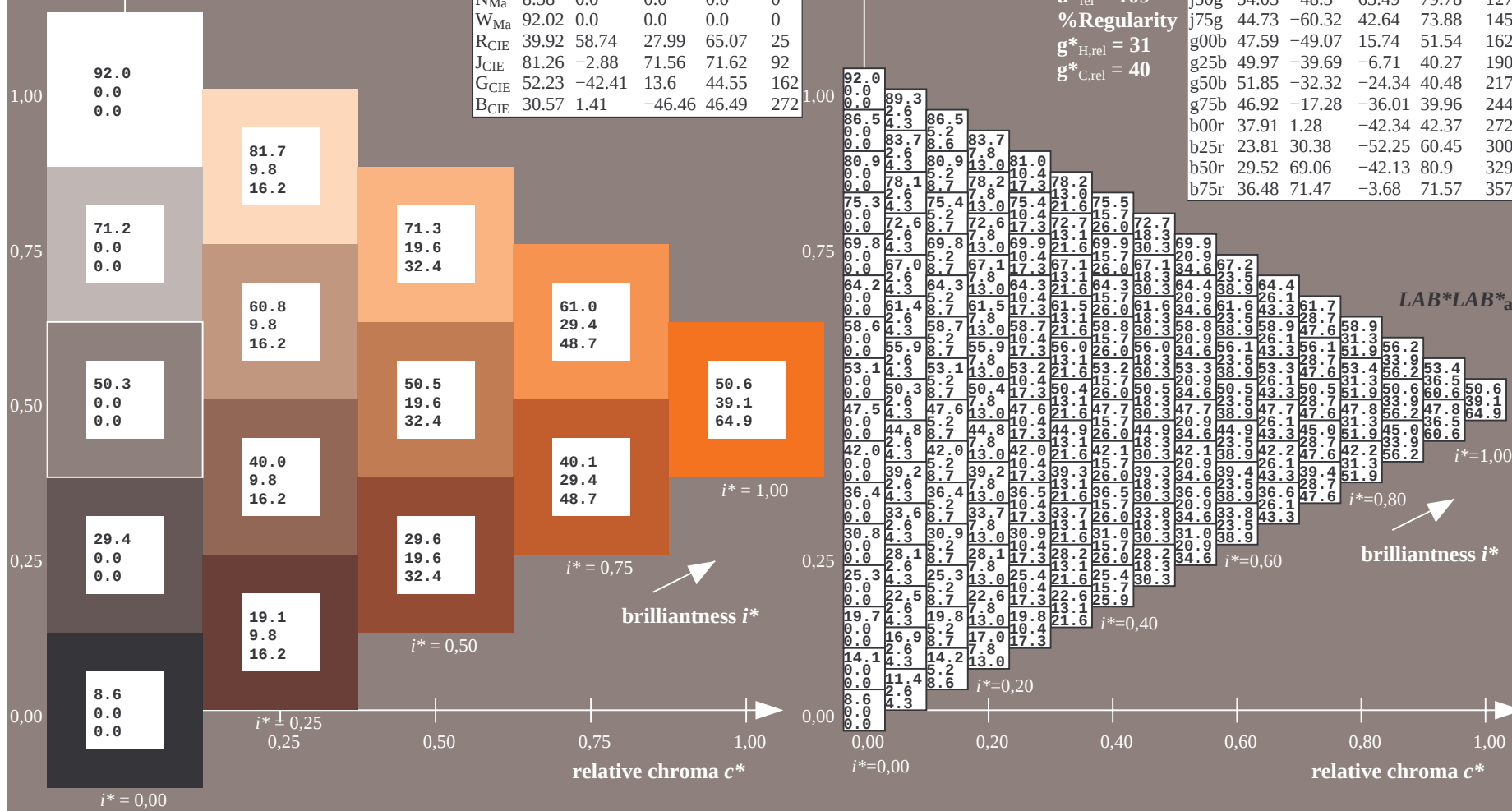
$u^*_{rel} = 109$

%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^*

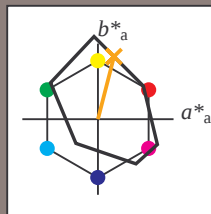
elementary hue text:

$u^* = r75j$

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

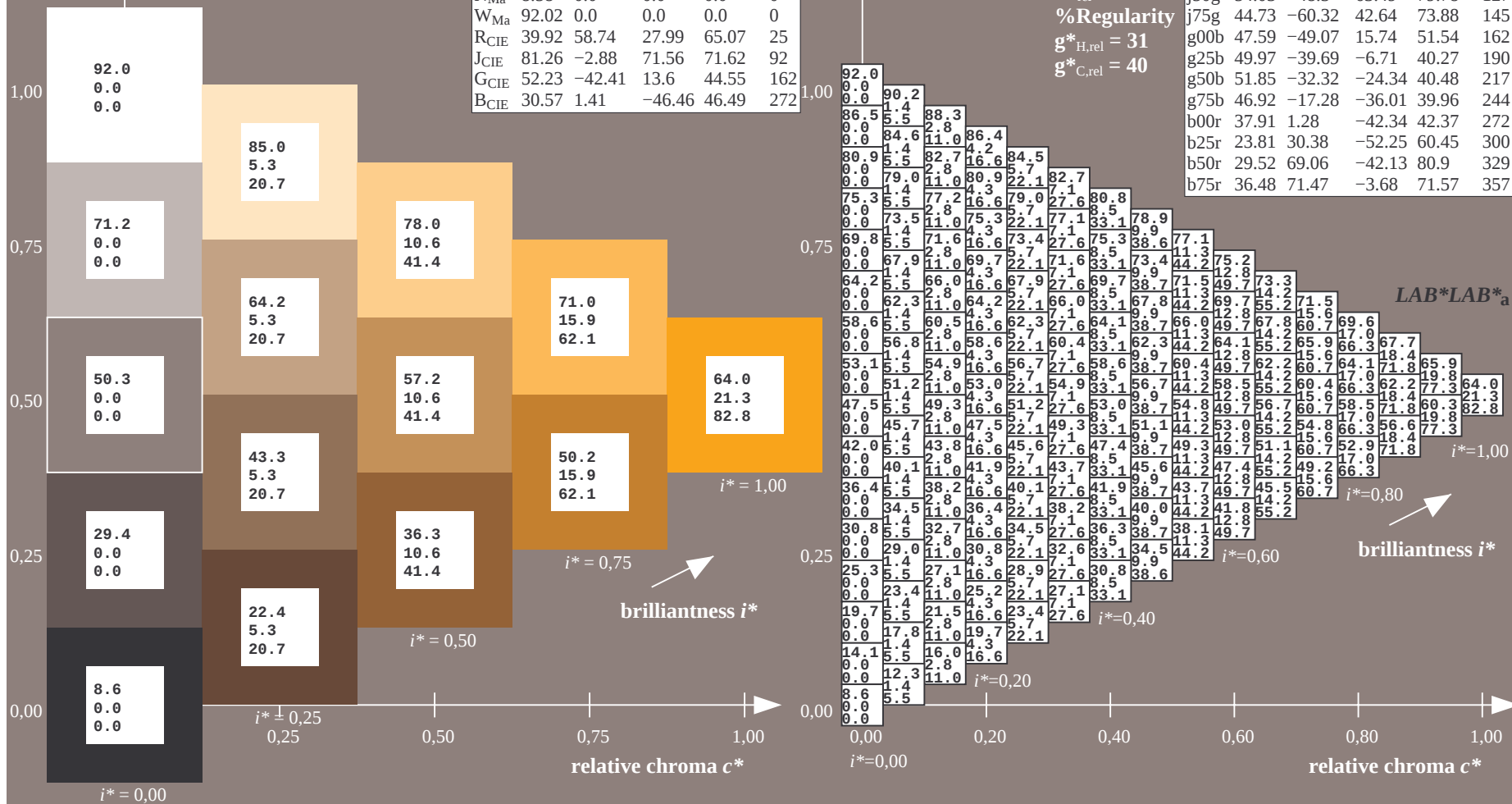
$u^*_{rel} = 109$

%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^*

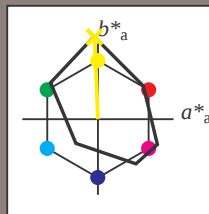
elementary hue text:

$u^* = j00g$

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^*

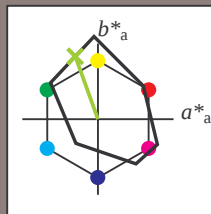
elementary hue text:

$u^* = j25g$

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

$u^* = j25g$
 $LAB^*LAB^*_a$

$LAB^*LAB^*_a$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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^*

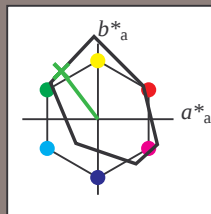
elementary hue text:

$u^* = j50g$

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

$u^*_{rel} = 109$

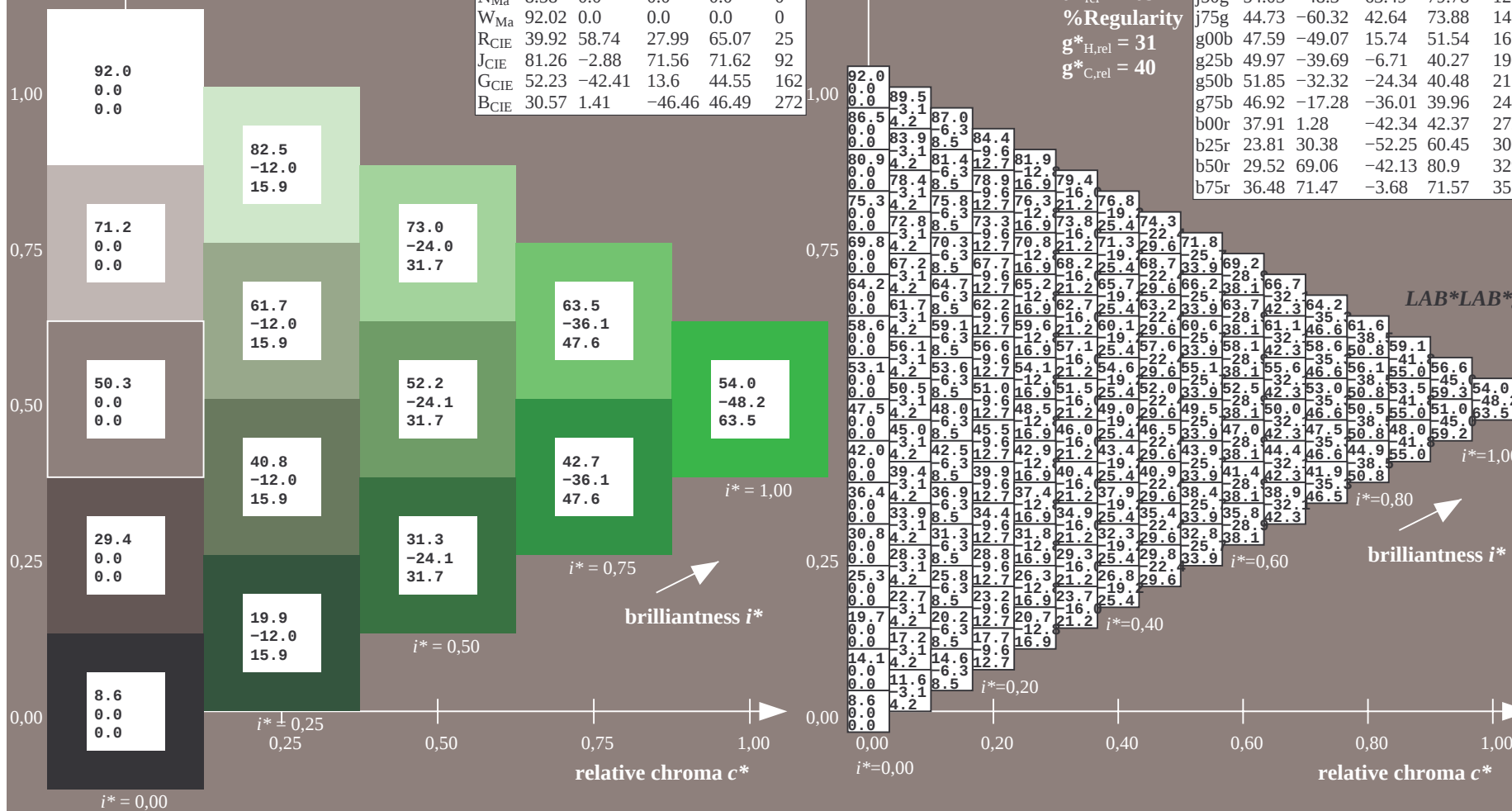
%Regularity

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

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

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	-48.83	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^*

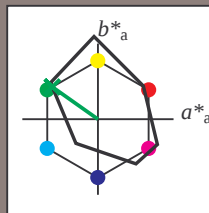
elementary hue text:

$u^* = j75g$

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

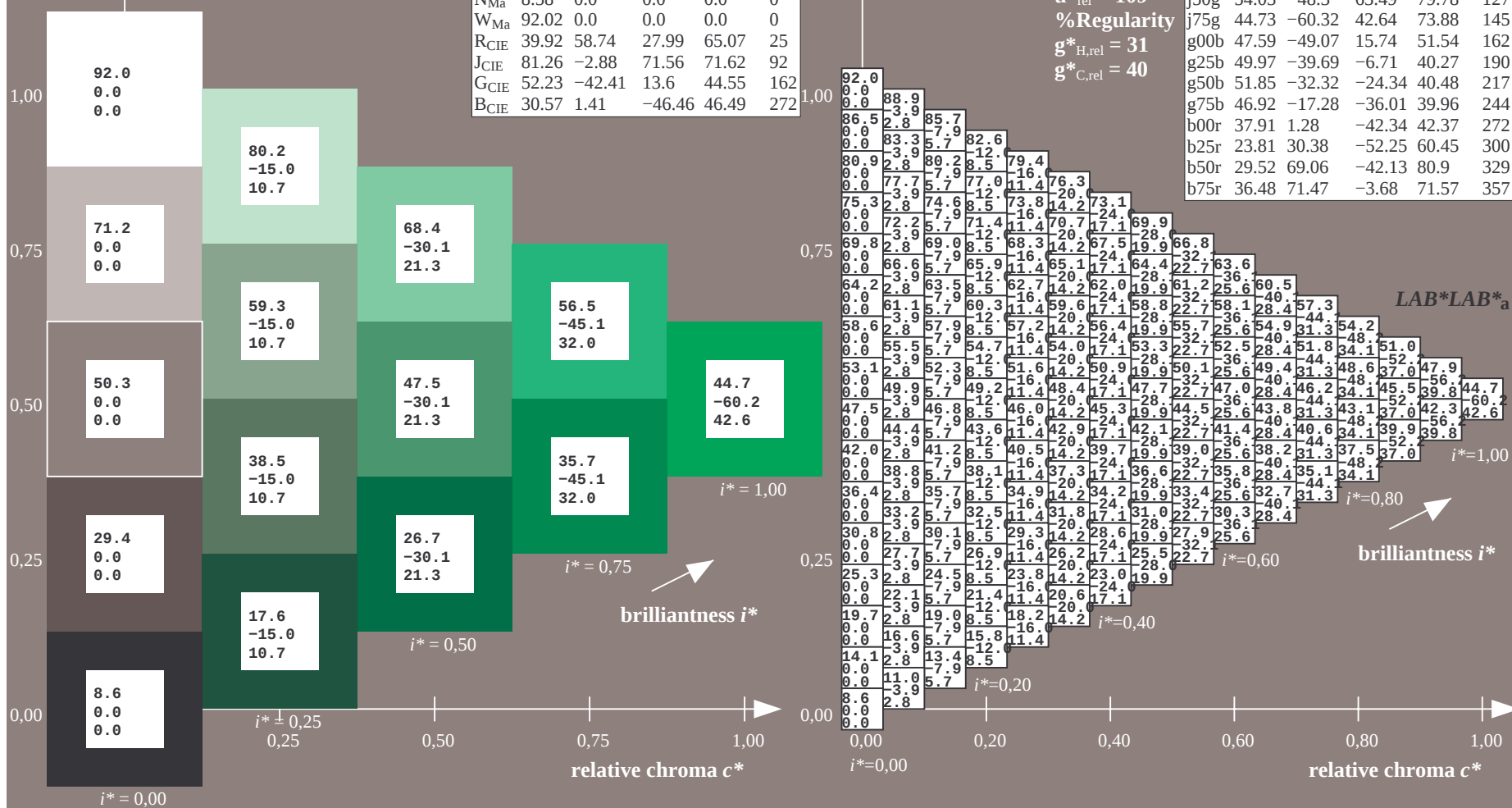
$u^*_{rel} = 109$

%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^*

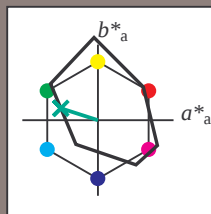
elementary hue text:

$u^* = g00b$

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

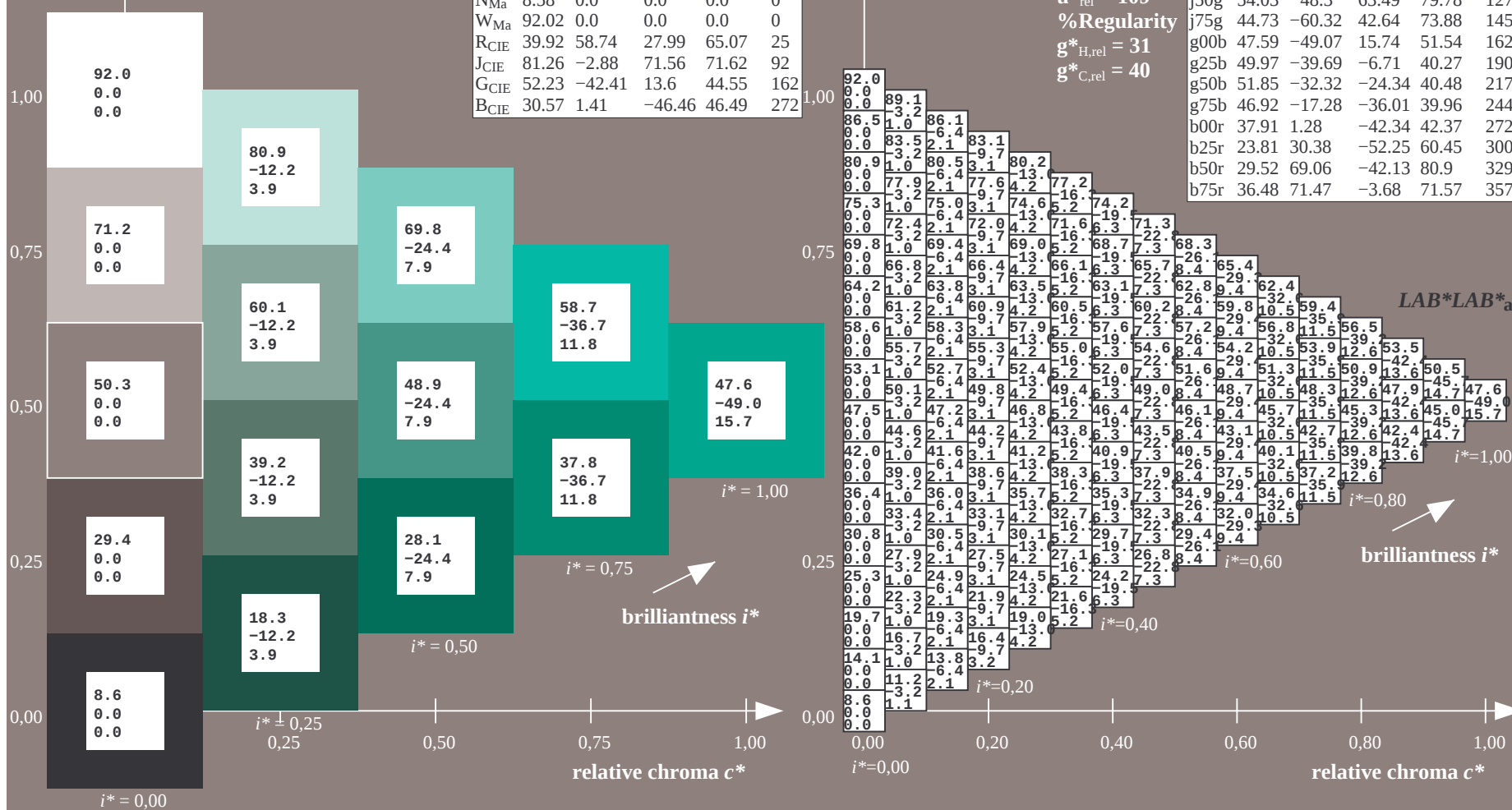
$u^*_{rel} = 109$

%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^*

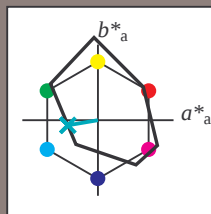
elementary hue text:

$u^* = g25b$

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

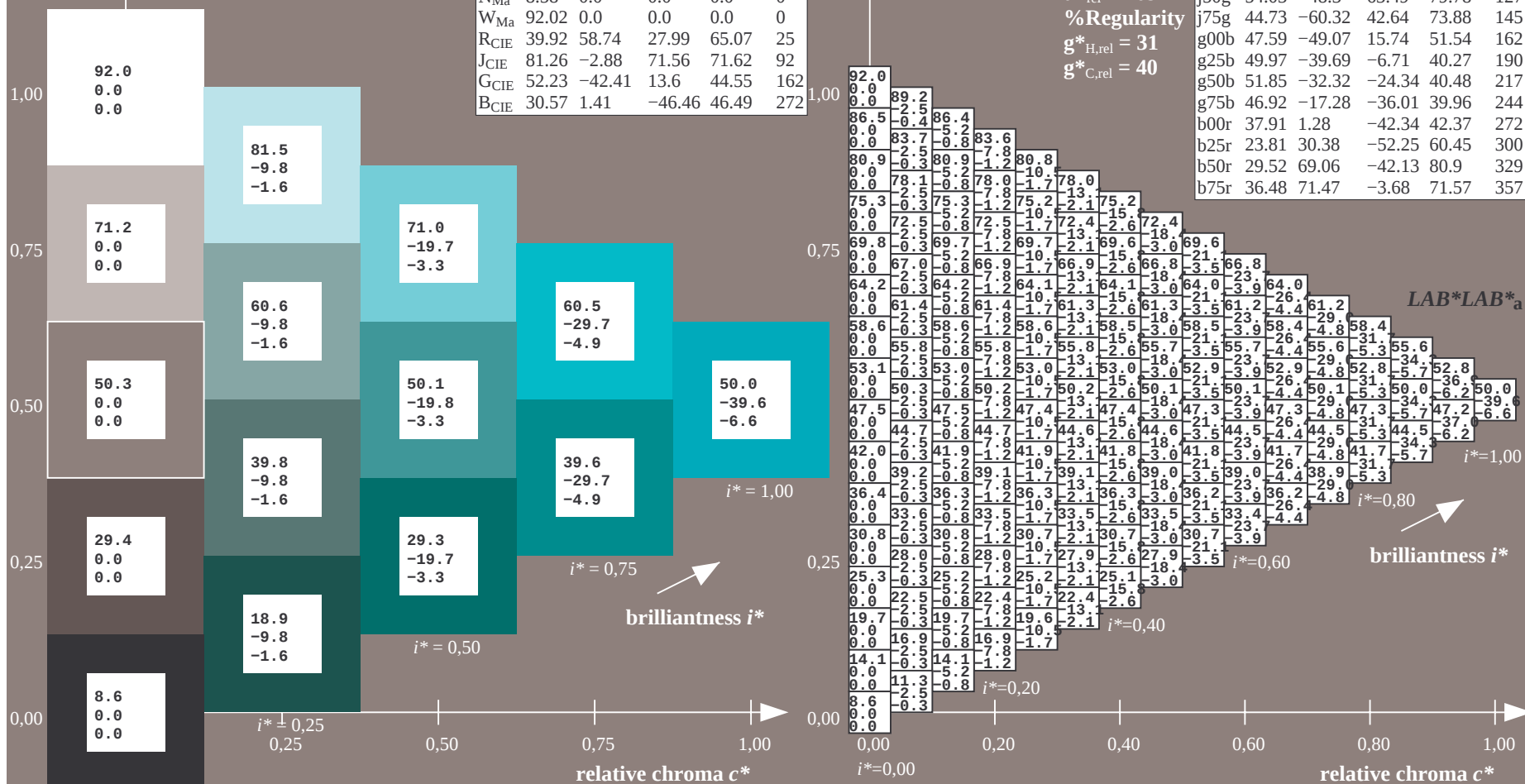
$u^*_{rel} = 109$

%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^*

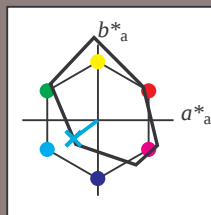
elementary hue text:

$u^* = g50b$

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

$u^*_{rel} = 109$

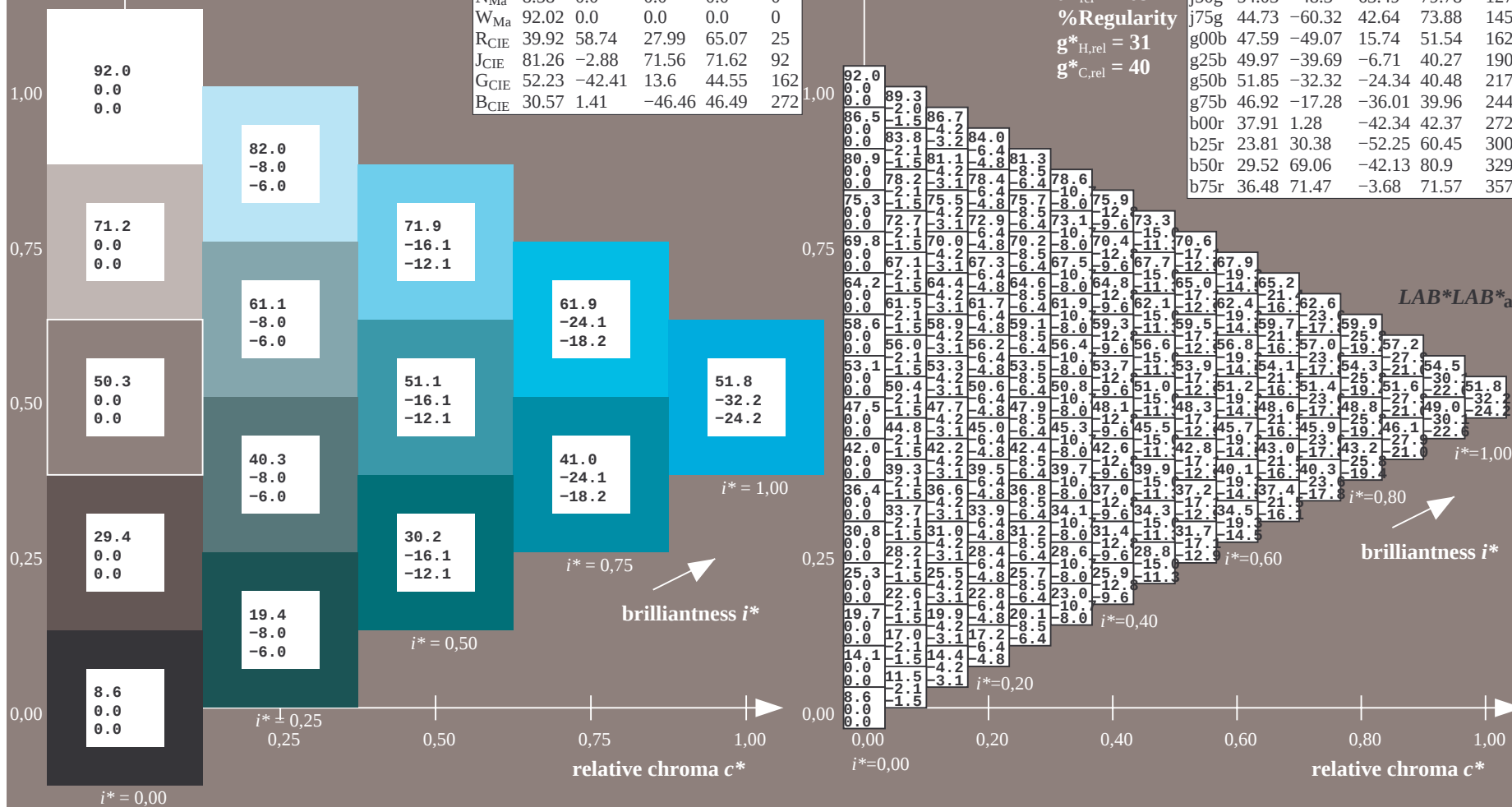
%Regularity

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

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

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^*

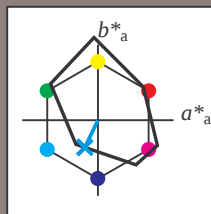
elementary hue text:

$u^* = g75b$

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

$u^*_{rel} = 109$

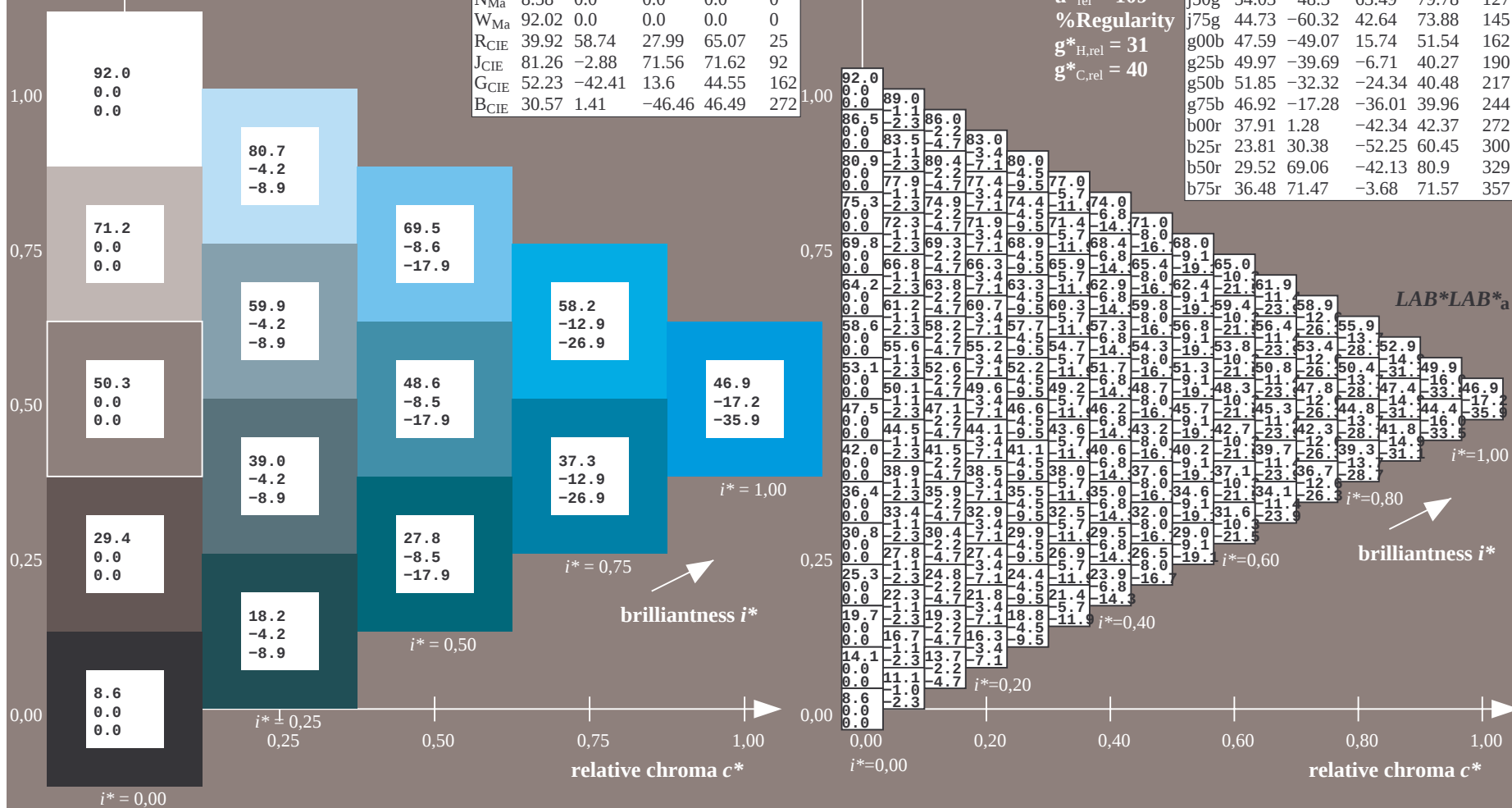
%Regularity

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

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

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^*

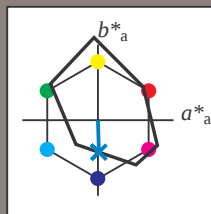
elementary hue text:

$u^* = b00r$

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

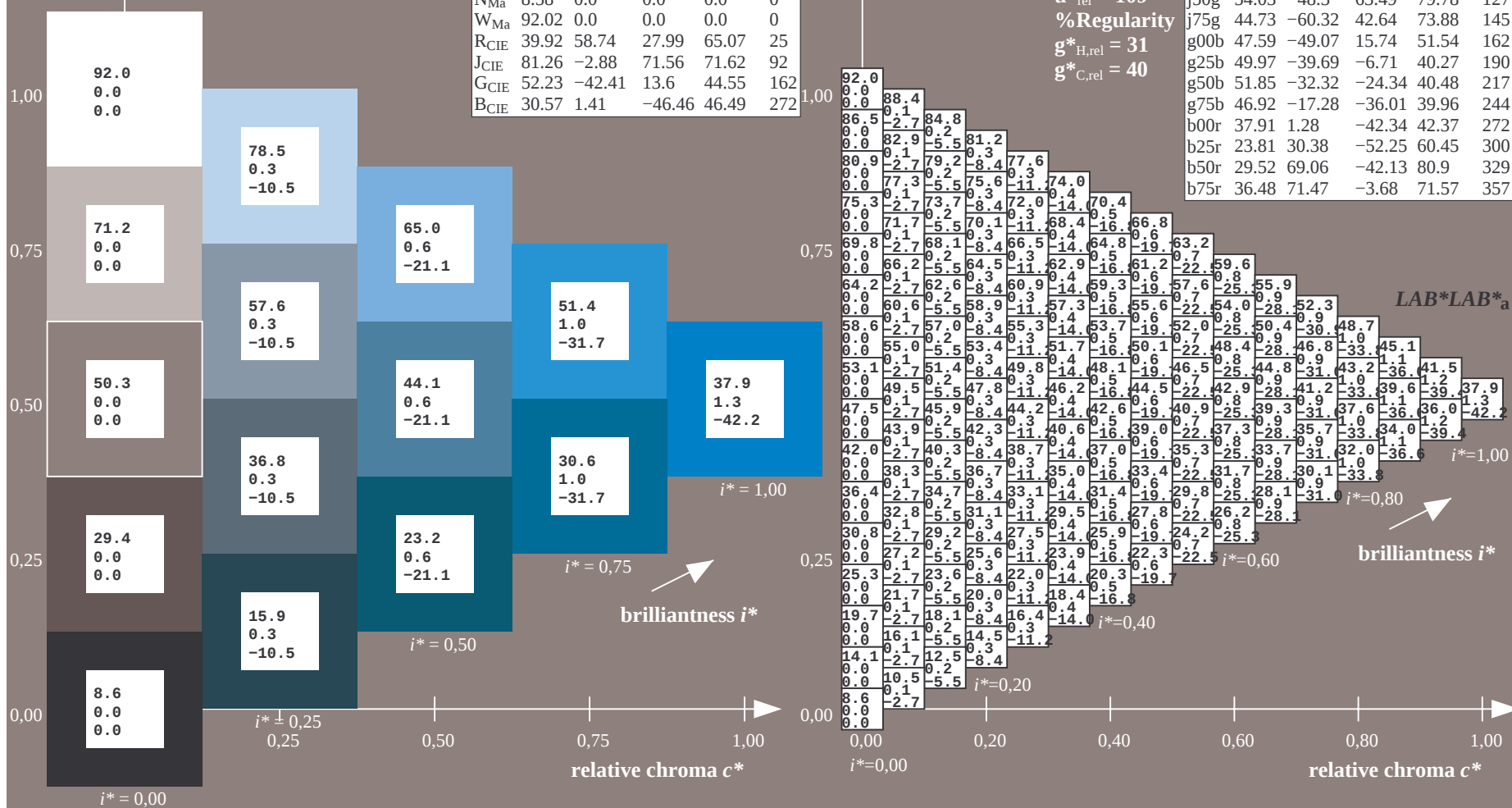
$u^*_{rel} = 109$

%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^*

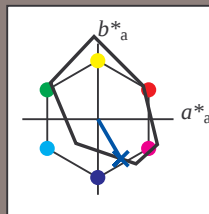
elementary hue text:

$u^* = b25r$

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

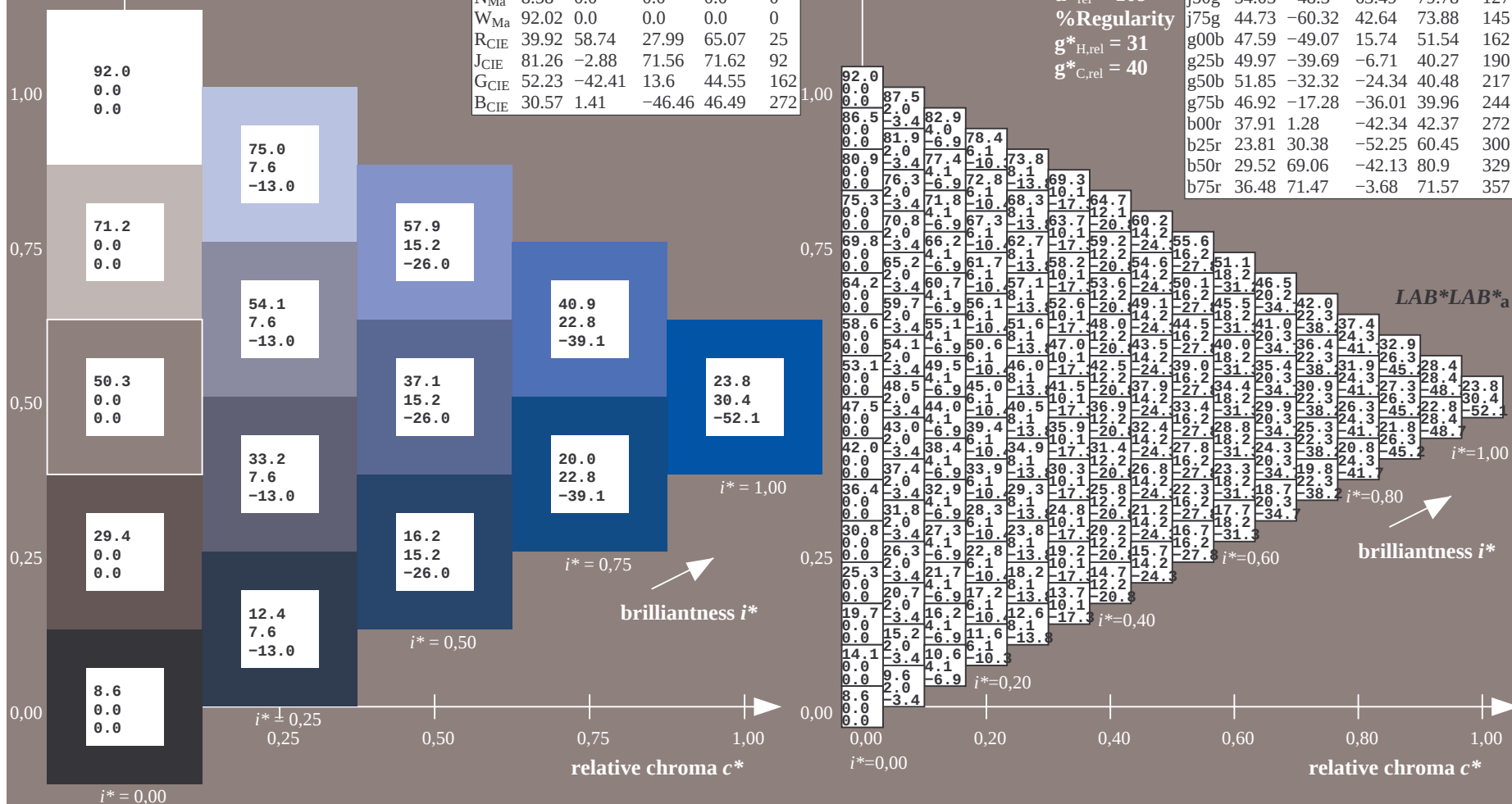
$u^*_{rel} = 109$

%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^*

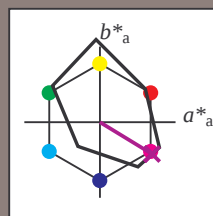
elementary hue text:

$u^* = b50r$

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

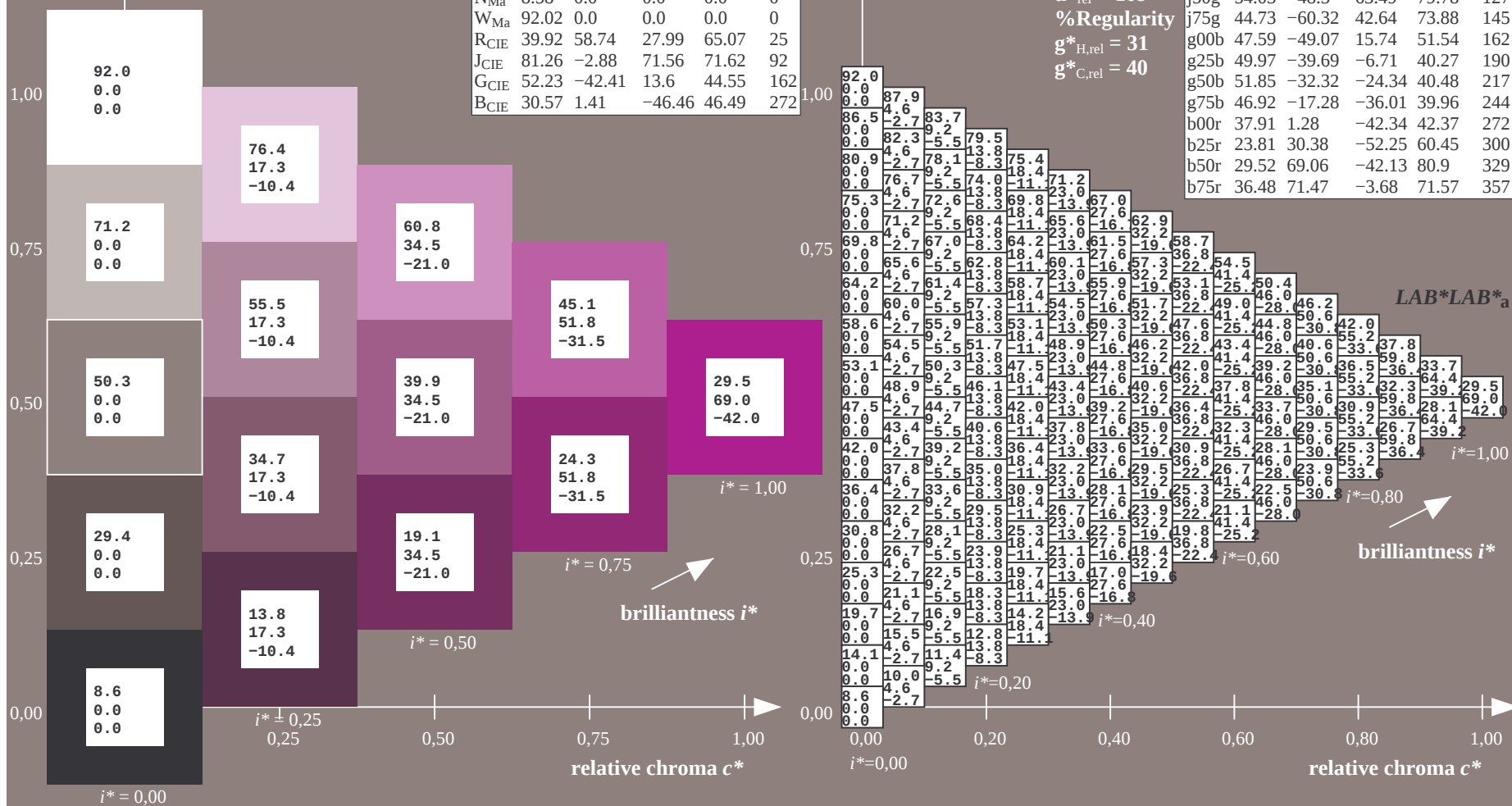
$u^*_{rel} = 109$

%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^*

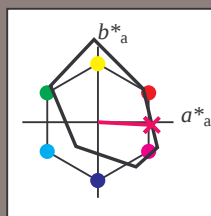
elementary hue text:

$u^* = b75r$

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

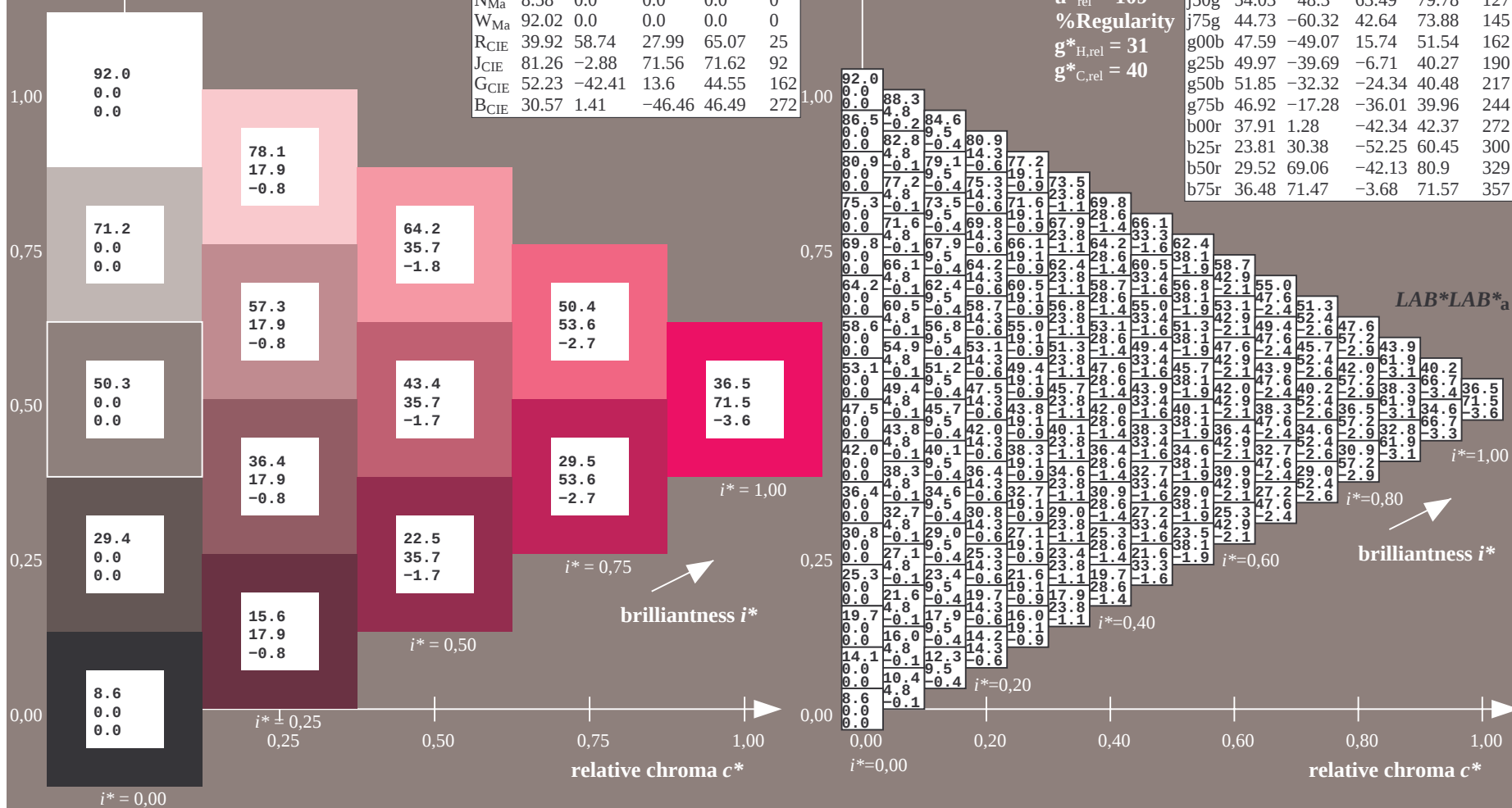
$u^*_{rel} = 109$

%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/De96/>; www.ps.bam.de/De96/De96.htm
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpx=0

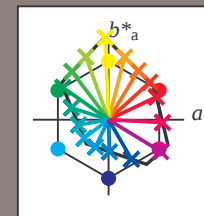
BAM registration: 20080701-De96/10L/L96E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*			
01	8.6	13.0	17.5	21.9	26.4	30.8	35.2	39.7	44.1	48.5	52.9	57.3	61.7	66.1	70.5	74.9	79.3	83.7	88.1	92.5	96.9	101.3	105.7	110.1	114.5	118.9	123.3	127.7	132.1	136.5	140.9	145.3	149.7	154.1	158.5	162.9	167.3	171.7	176.1	180.5	
02	9.0	7.7	-15.6	-23.4	-31.2	-39.1	-46.9	-54.7	-62.6	6.5	-0.5	-8.4	-16.2	-24.0	-31.8	-39.7	-47.5	-55.4	11.0	6.9	-1.2	-9.0	-16.9	-24.7	-32.5	-40.4	-48.2	0.0	7.5	15.0	22.5	30.0	37.5	45.0	52.5	60.0	0.0	0.0	0.0	0.0	
03	9.3	14.1	18.5	23.0	27.4	31.9	36.3	40.8	45.2	12.2	19.0	23.5	27.9	32.3	36.8	41.2	45.7	50.1	15.5	22.3	28.8	32.9	37.3	41.7	46.2	50.6	55.1	59.5	63.9	68.3	72.7	77.1	81.6	86.0	90.4	94.8	99.2	103.6	108.0	112.4	
04	9.6	-3.5	-11.4	-19.2	-27.0	-34.9	-42.7	-50.5	-58.4	8.0	-7.5	-15.6	-23.4	-31.2	-39.1	-46.9	-54.7	-62.6	13.3	7.5	-0.5	-8.4	-16.3	-24.1	-31.9	-39.7	-47.5	-55.4	11.0	6.9	15.0	22.5	30.0	37.5	45.0	52.5	60.0	0.0	0.0	0.0	0.0
05	9.9	13.9	18.0	22.1	26.2	30.3	34.4	38.5	42.6	13.1	20.0	24.1	28.1	32.1	36.2	40.2	44.3	48.3	15.5	22.3	28.8	33.0	37.3	41.6	45.9	50.2	54.5	58.8	63.1	67.4	71.7	76.0	80.3	84.6	88.9	93.2	97.5	101.8	106.1	110.4	
06	10.2	14.0	18.0	22.0	26.0	30.0	34.0	38.0	42.0	13.2	19.2	24.5	29.3	34.0	38.8	43.5	48.2	52.9	15.6	22.3	28.8	33.0	37.3	41.6	45.9	50.2	54.5	58.8	63.1	67.4	71.7	76.0	80.3	84.6	88.9	93.2	97.5	101.8	106.1	110.4	
07	10.5	14.2	18.2	22.2	26.2	30.2	34.2	38.2	42.2	13.3	19.3	24.5	29.3	34.0	38.8	43.5	48.2	52.9	15.7	22.3	28.8	33.0	37.3	41.6	45.9	50.2	54.5	58.8	63.1	67.4	71.7	76.0	80.3	84.6	88.9	93.2	97.5	101.8	106.1	110.4	
08	10.7	14.3	18.3	22.3	26.3	30.3	34.3	38.3	42.3	13.4	19.4	24.6	29.4	34.1	38.9	43.6	48.3	53.0	15.8	22.4	28.9	33.1	37.4	41.7	46.0	50.3	54.6	58.9	63.2	67.5	71.8	76.1	80.4	84.7	89.0	93.3	97.6	101.9	106.2	110.5	
09	10.9	14.5	18.5	22.5	26.5	30.5	34.5	38.5	42.5	13.5	19.5	24.7	29.5	34.2	39.0	43.7	48.4	53.1	15.9	22.5	29.0	33.2	37.5	41.8	46.1	50.4	54.7	59.0	63.3	67.6	71.9	76.2	80.5	84.8	89.1	93.4	97.7	102.0	106.3	110.6	
10	11.1	14.6	18.6	22.6	26.6	30.6	34.6	38.6	42.6	13.6	19.6	24.8	29.6	34.3	39.1	43.8	48.5	53.2	16.0	22.6	29.1	33.3	37.6	41.9	46.2	50.5	54.8	59.1	63.4	67.7	72.0	76.3	80.6	84.9	89.2	93.5	97.8	102.1	106.4	110.7	
11	11.4	15.2	21.0	25.8	30.6	35.1	39.5	44.0	48.4	14.1	21.0	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.0	30.8	35.6	40.5	44.9	49.3	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
12	11.5	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
13	11.6	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
14	11.7	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
15	11.8	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
16	11.9	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
17	12.0	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
18	12.1	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
19	12.2	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
20	12.3	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
21	12.4	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
22	12.5	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
23	12.6	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
24	12.7	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
25	12.8	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
26	12.9	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2	31.0	35.8	40.6	45.0	49.4	53.8	58.2	62.6	67.0	71.4	75.8	80.2	84.6	89.0	93.4	97.8	102.2	106.6	111.0	115.4	
27	13.0	15.2	21.3	26.1	30.5	34.5	38.5	42.5	46.5	14.2	21.1	25.9	30.7	35.5	40.0	44.4	48.9	53.3	17.2	24.2																					

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

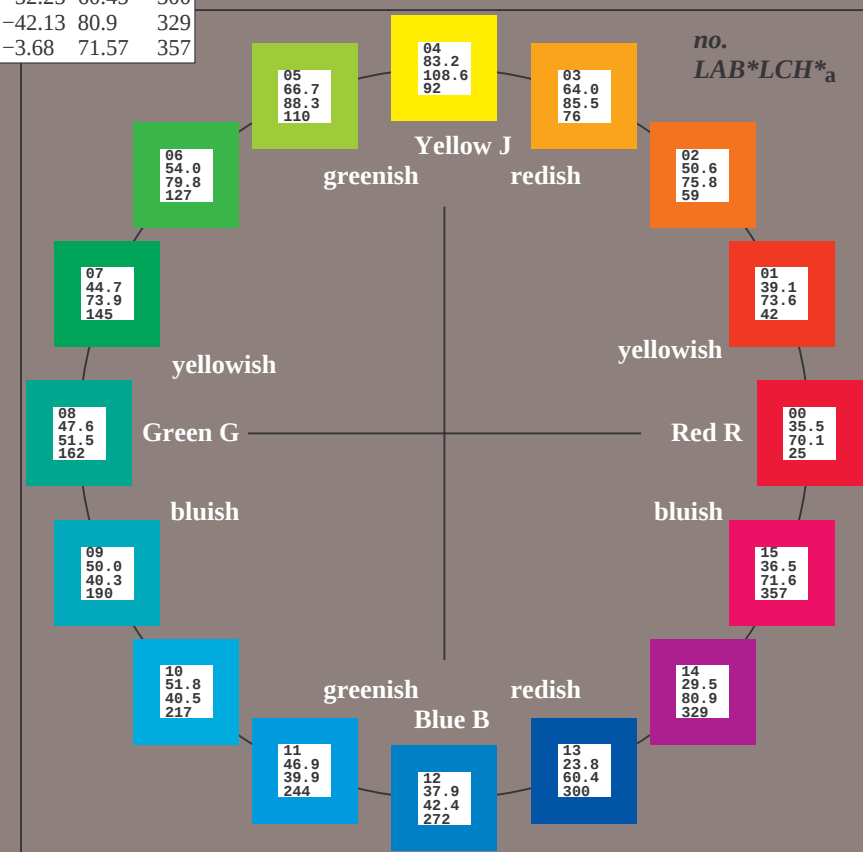
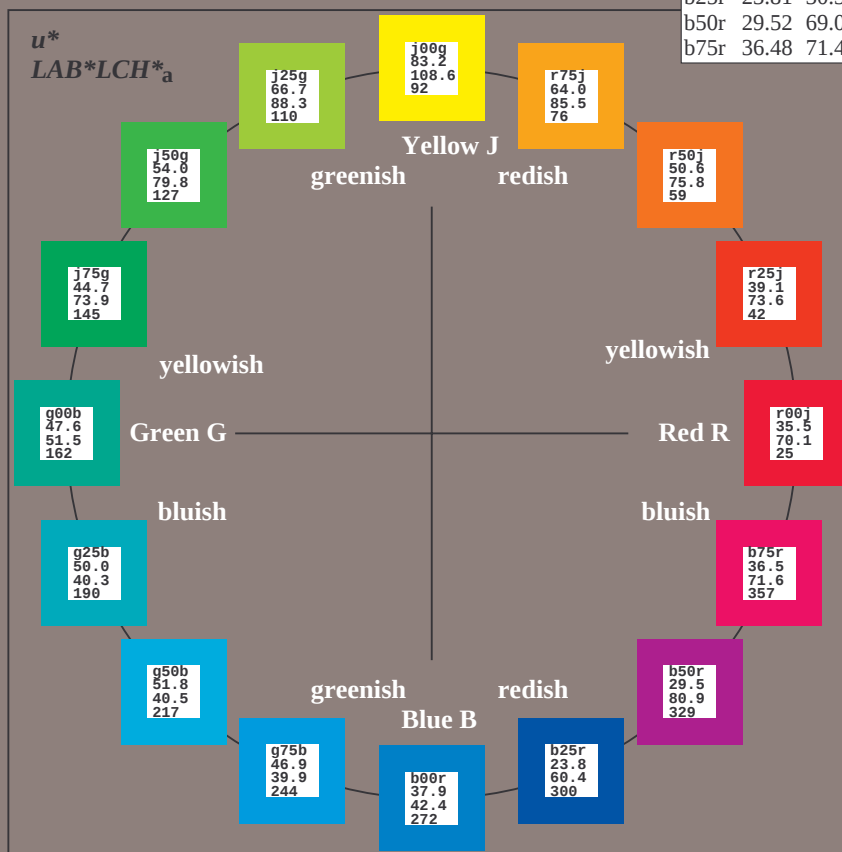
lab^*tch^* and lab^*icu^*
elementary hue text:
 $u^* = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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^*

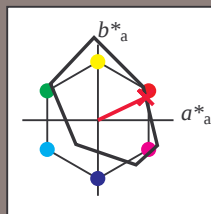
elementary hue text:

$u^* = r00j$

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

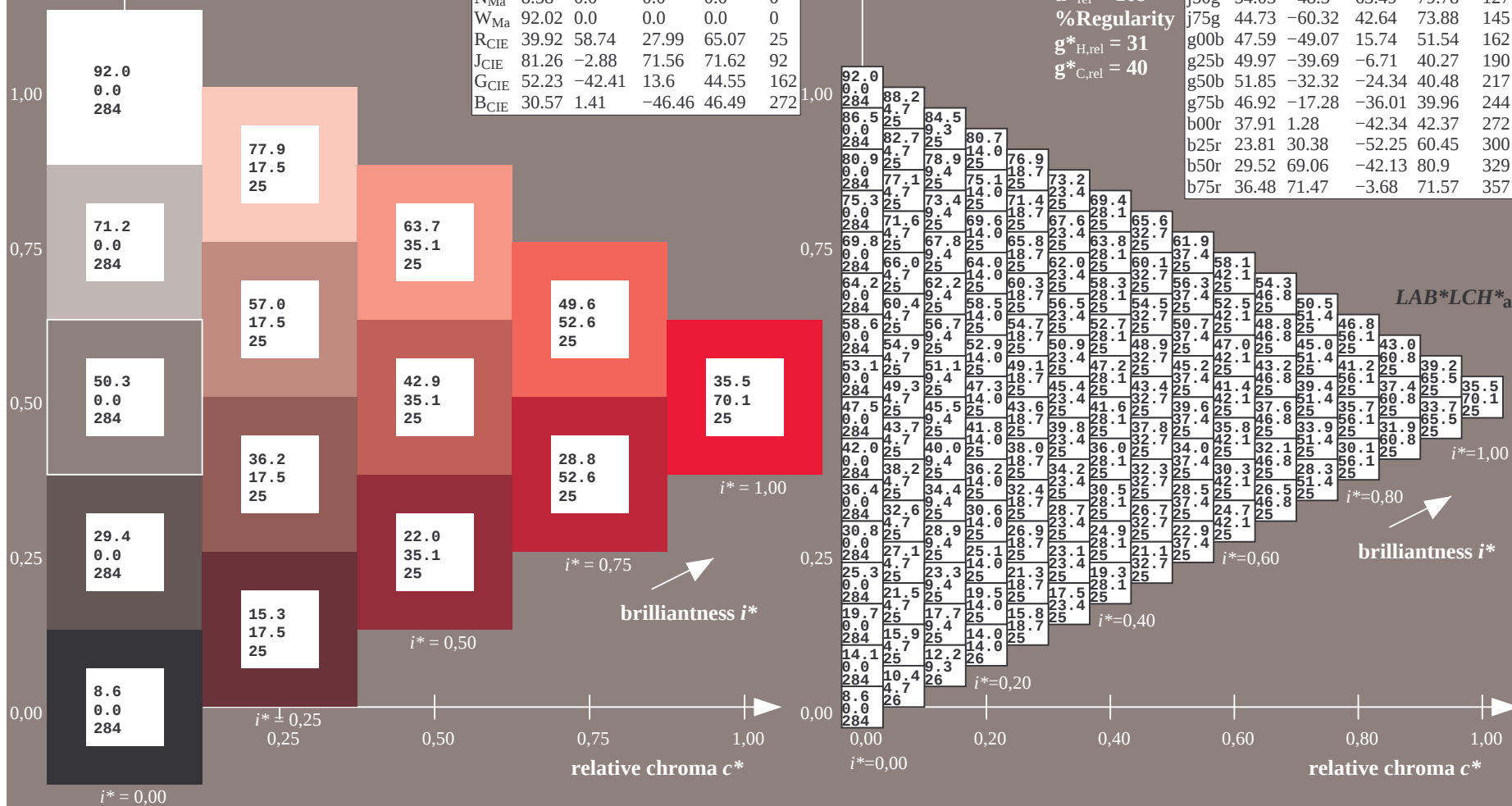
$u^*_{rel} = 109$

%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^*

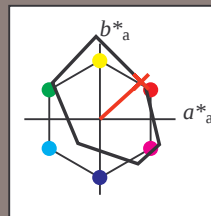
elementary hue text:

$u^* = r25j$

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

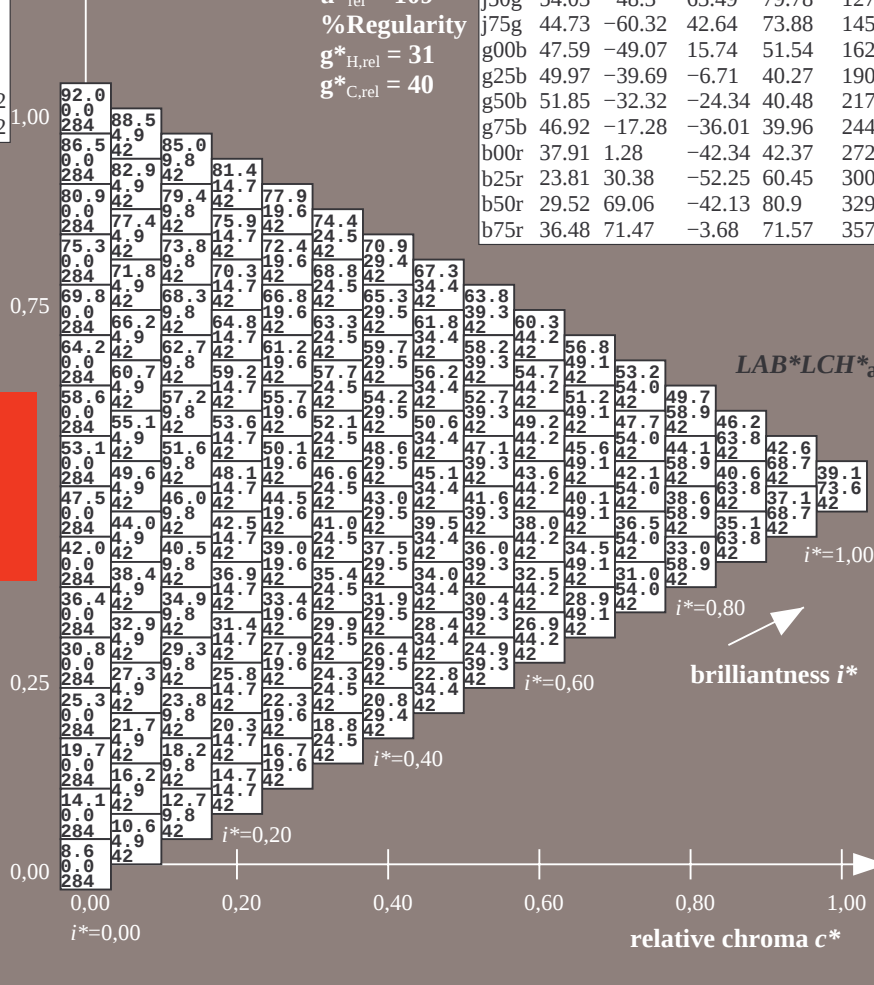
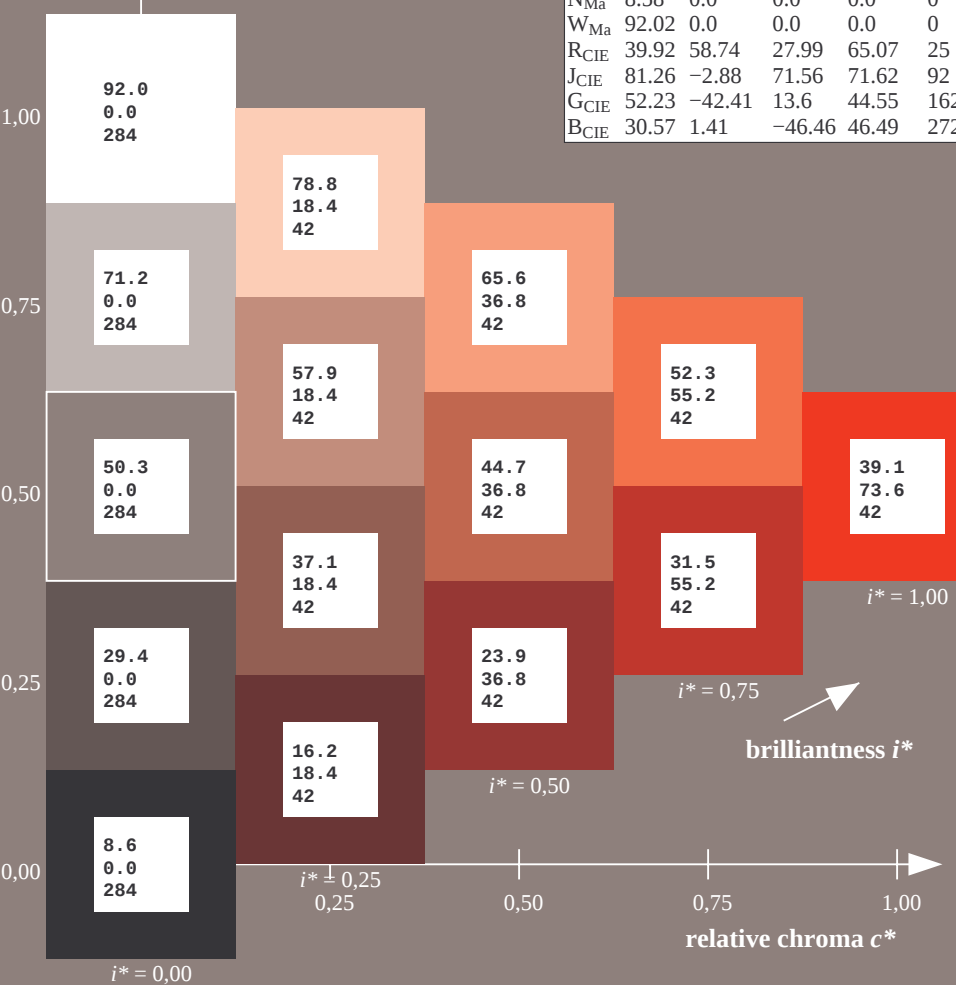
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 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^*

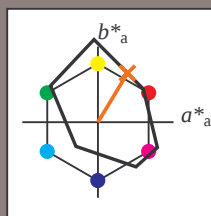
elementary hue text:

$u^* = r50j$

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

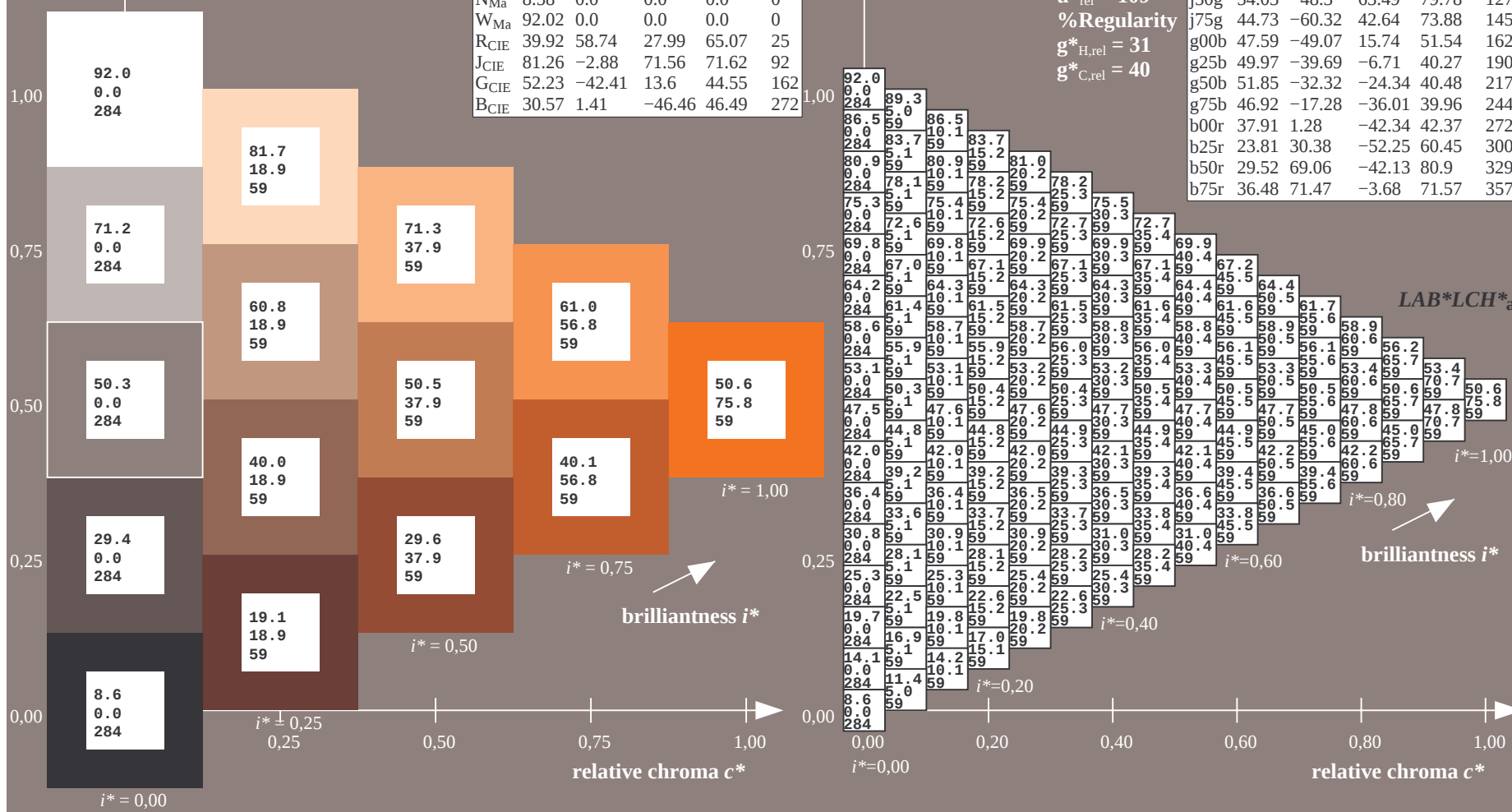
$u^*_{rel} = 109$

%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^*

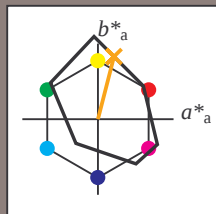
elementary hue text:

$u^* = r75j$

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

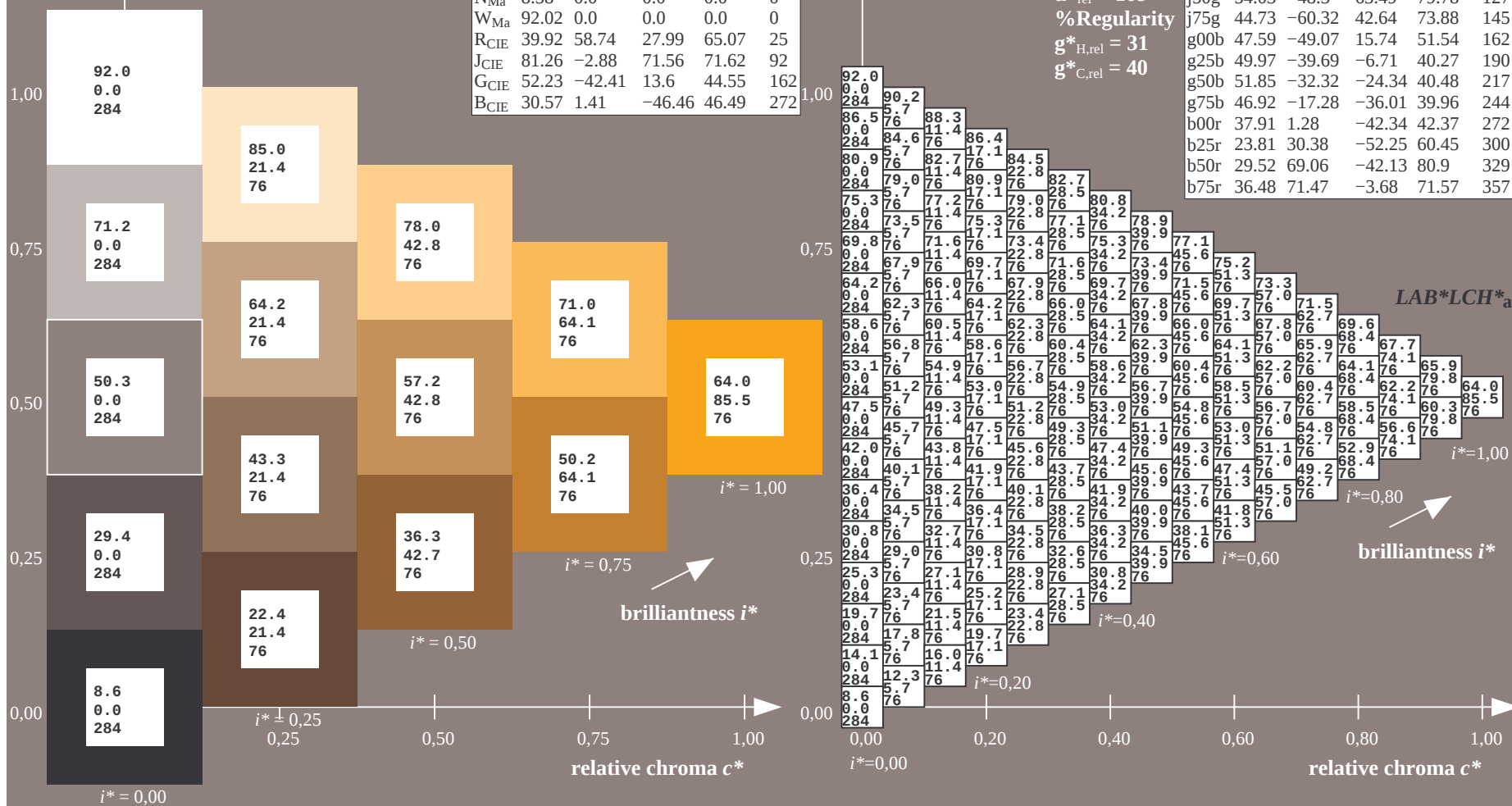
$u^*_{rel} = 109$

%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^*

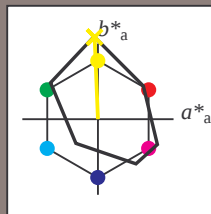
elementary hue text:

$u^* = j00g$

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

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

relative chroma c^*

relative chroma c^*

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^*

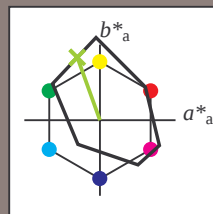
elementary hue text:

$u^* = j25g$

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^*

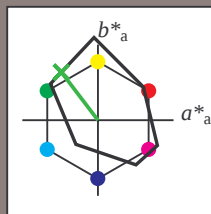
elementary hue text:

$u^* = j50g$

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

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

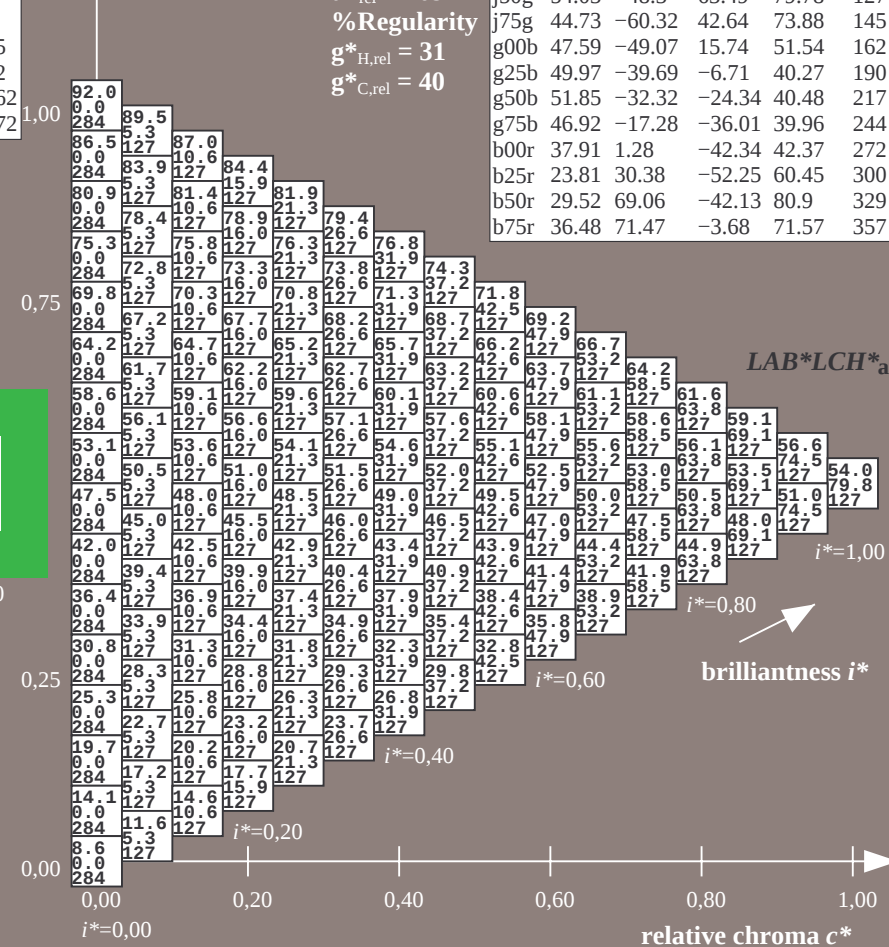
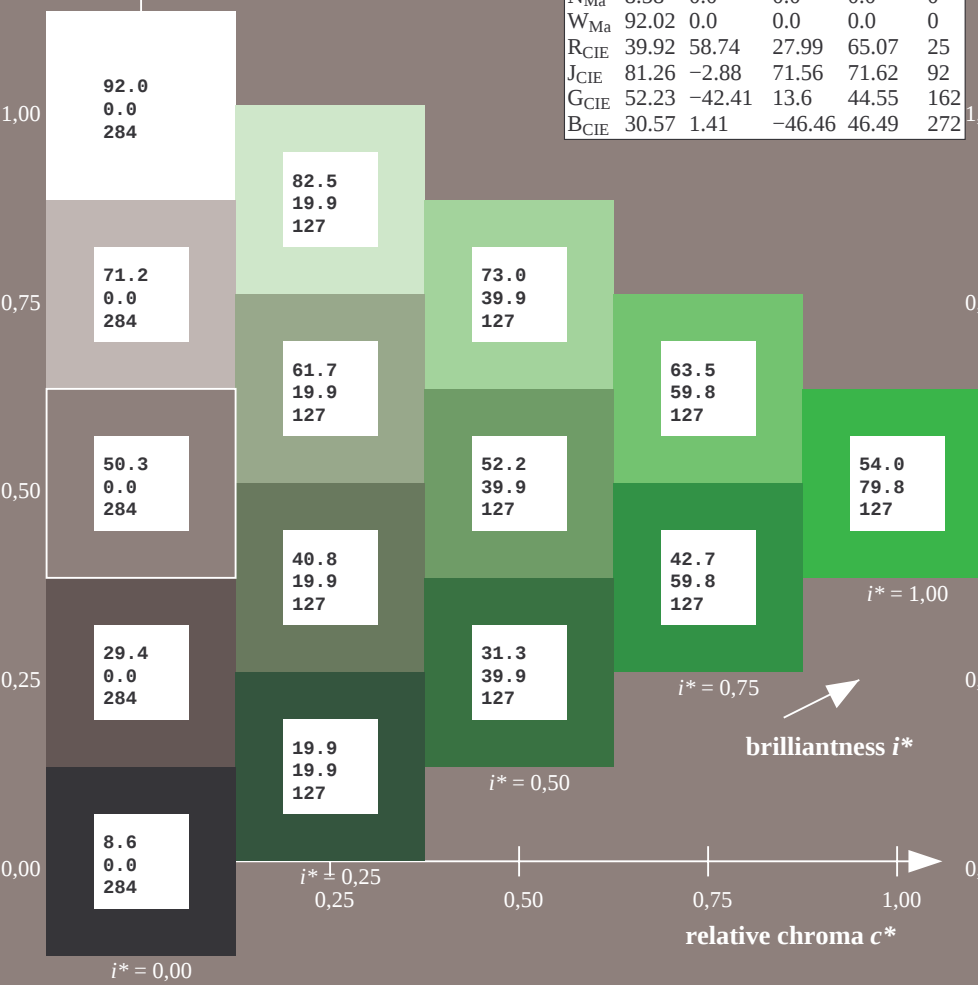
brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$



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^*

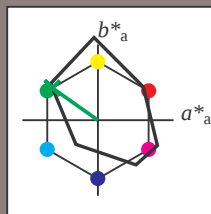
elementary hue text:

$u^* = j75g$

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

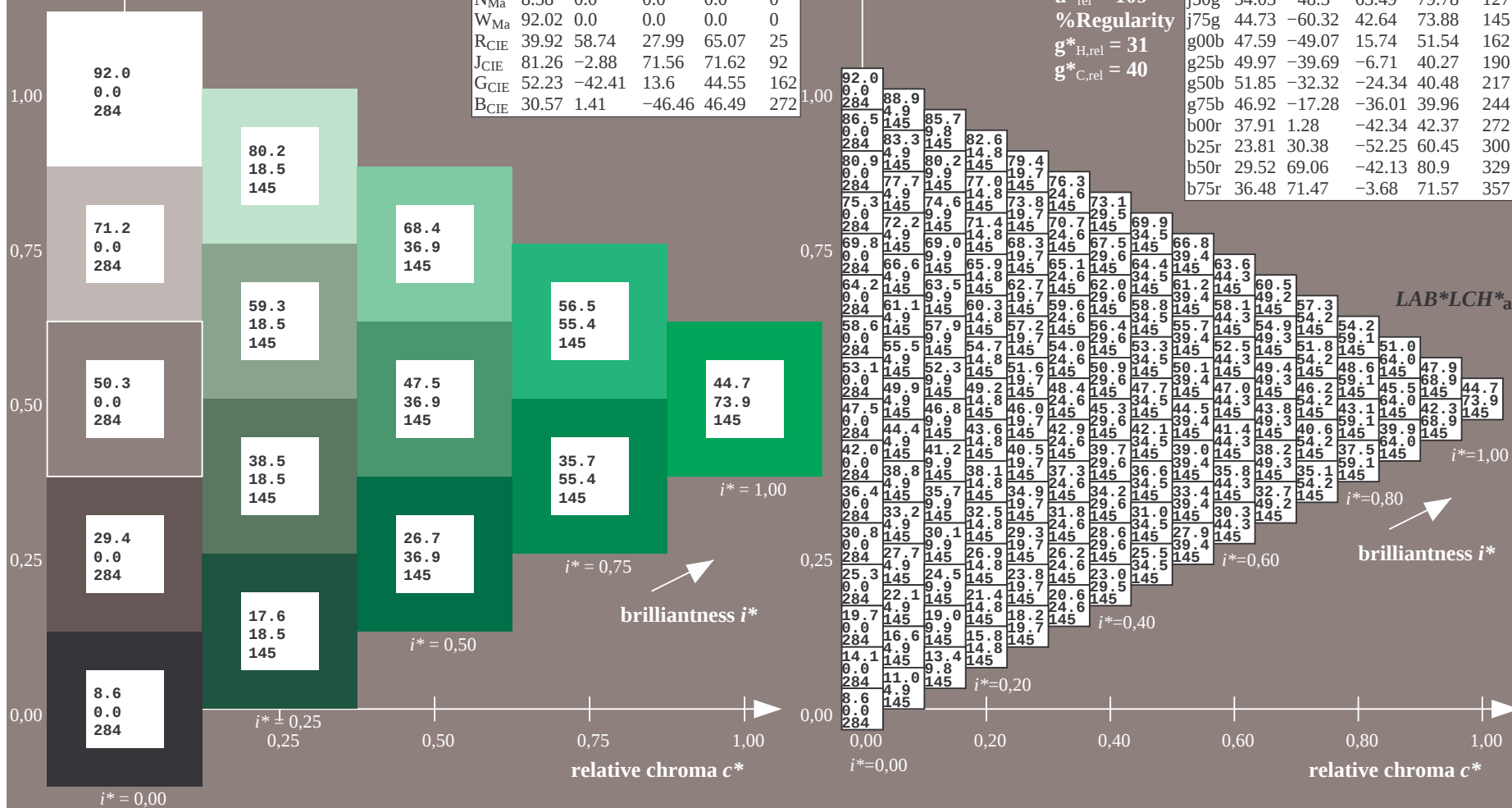
$u^*_{rel} = 109$

%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^*

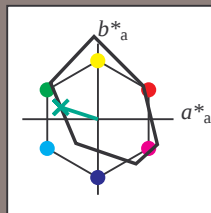
elementary hue text:

$u^* = g00b$

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	-48.83	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

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

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^*

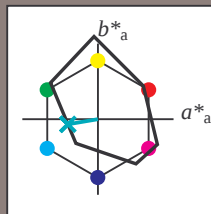
elementary hue text:

$u^* = g25b$

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

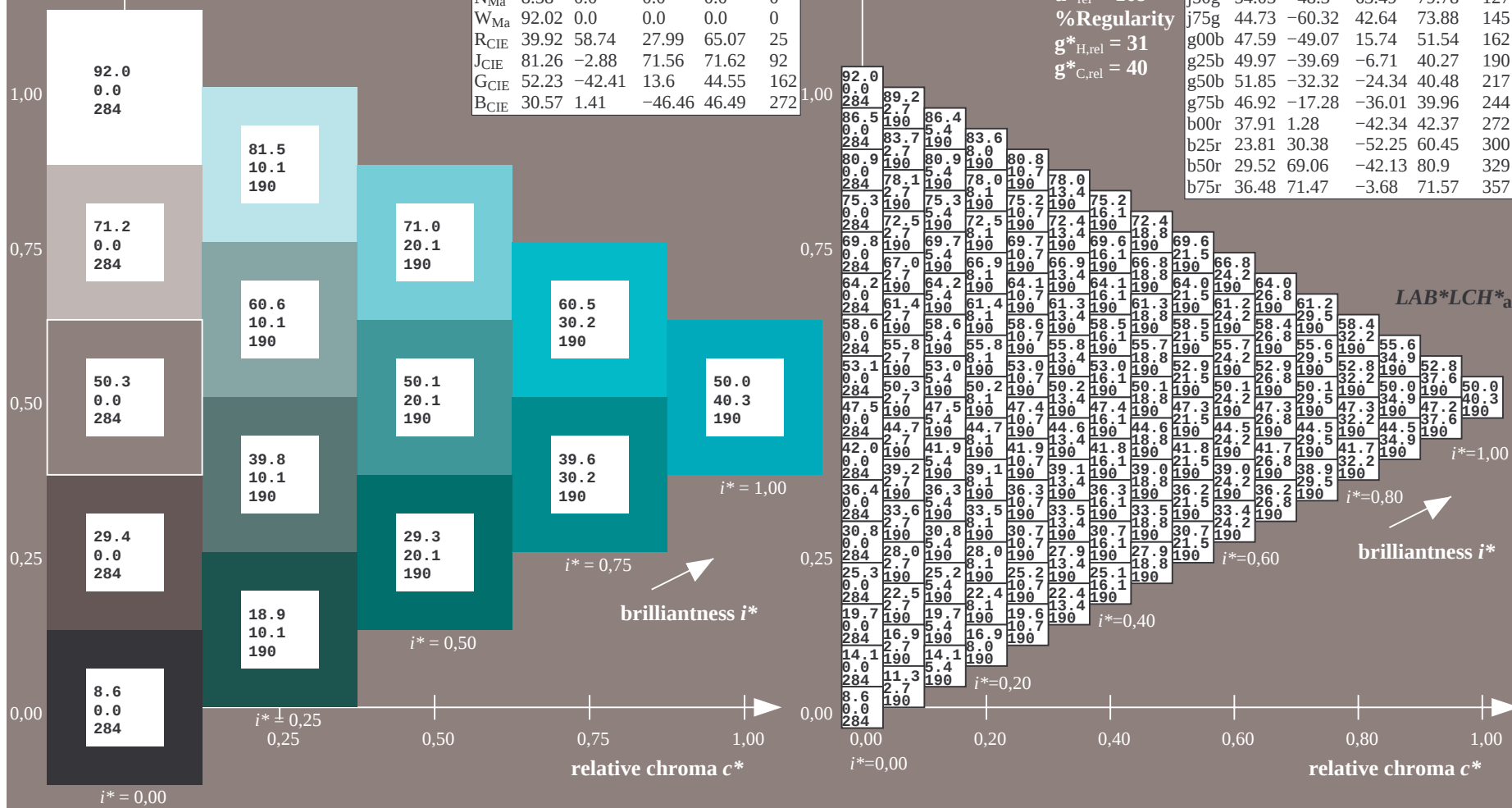
$u^*_{rel} = 109$

%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^*

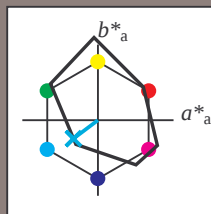
elementary hue text:

$u^* = g50b$

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

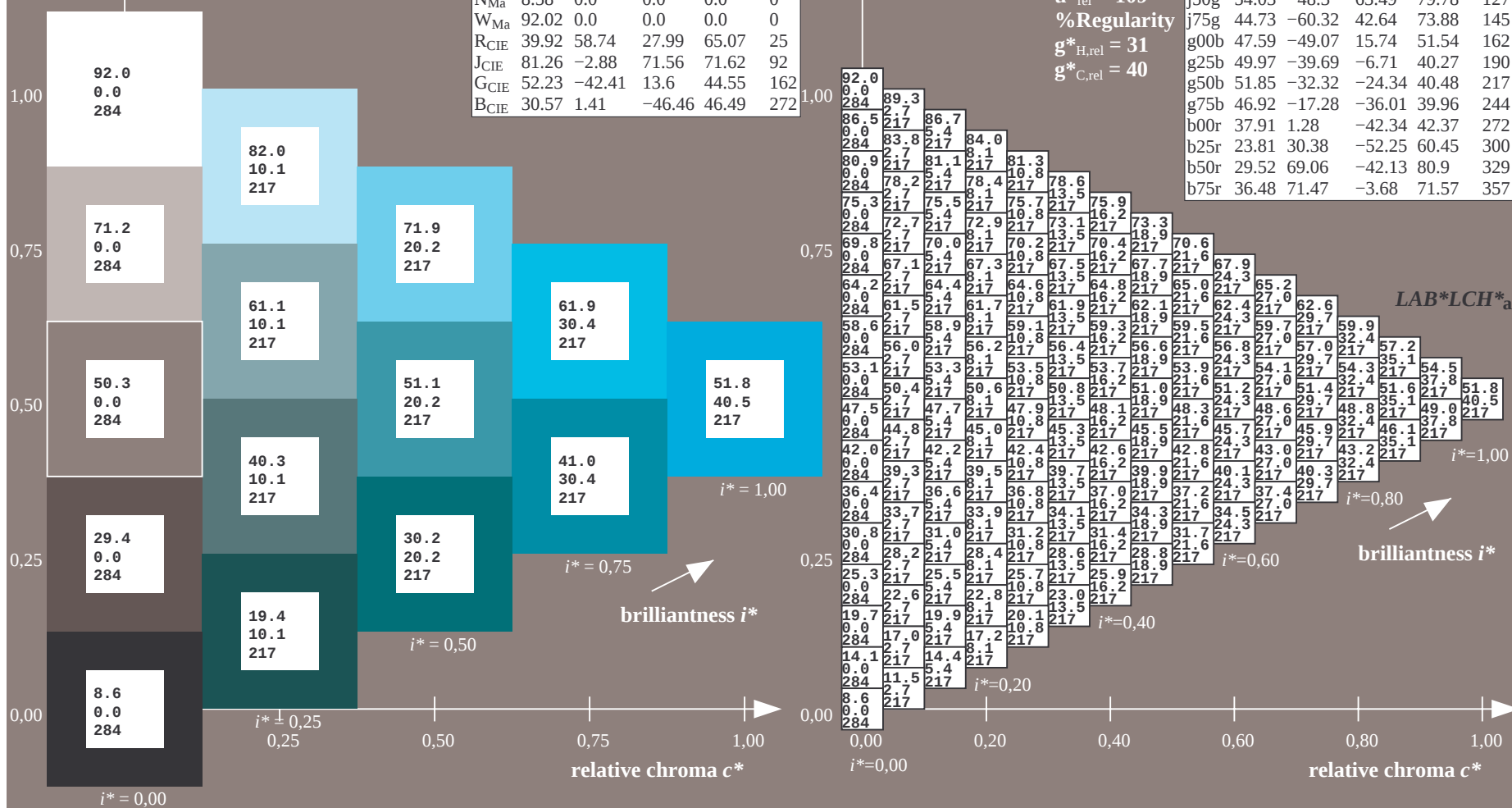
$u^*_{rel} = 109$

%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^*

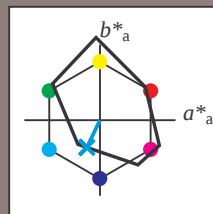
elementary hue text:

$u^* = g75b$

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

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

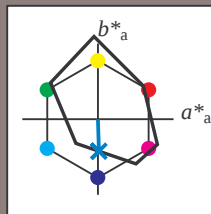
elementary hue text:

$u^* = b00r$

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

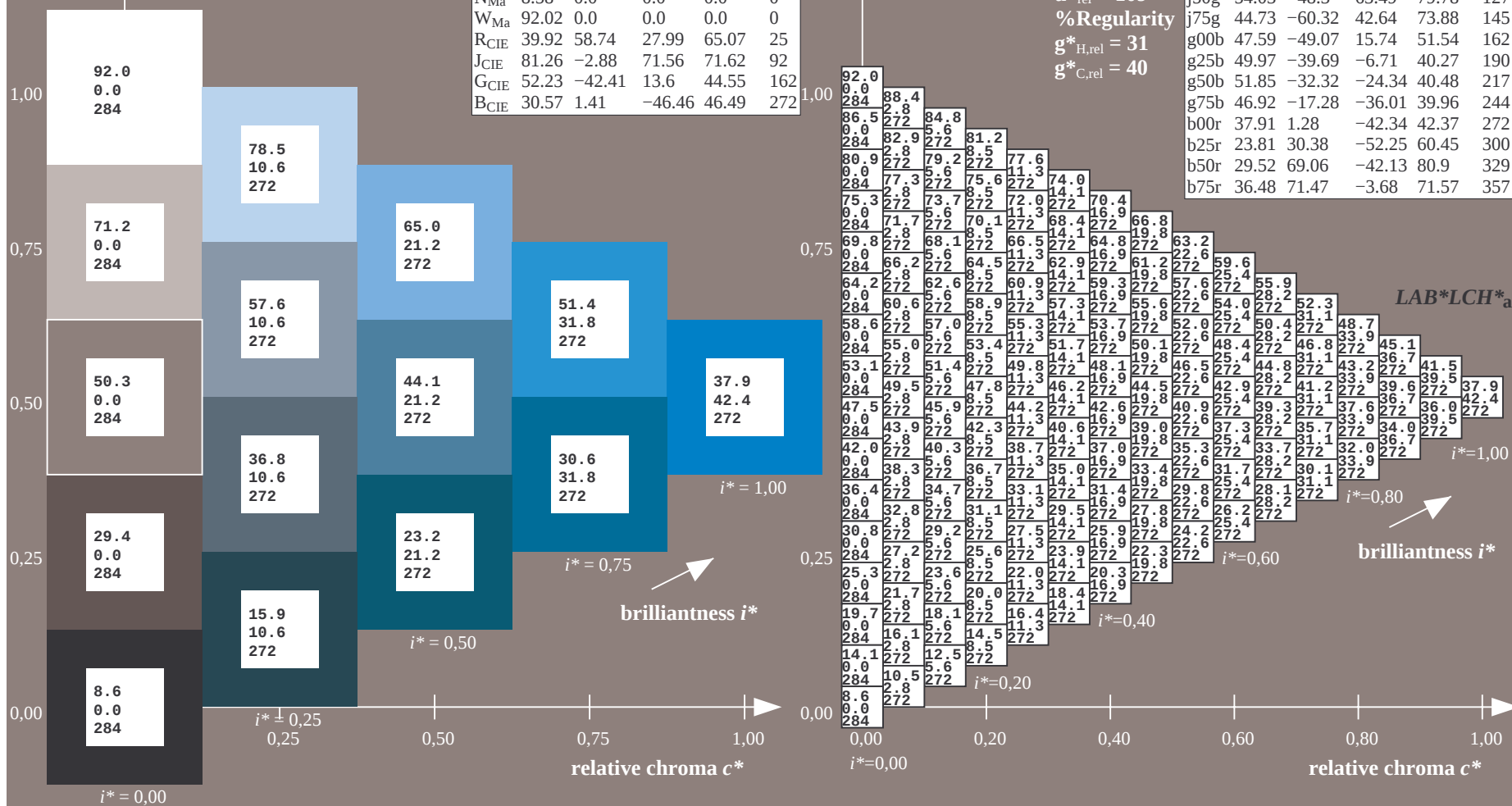
$u^*_{rel} = 109$

%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^*

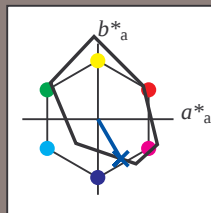
elementary hue text:

$u^* = b25r$

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

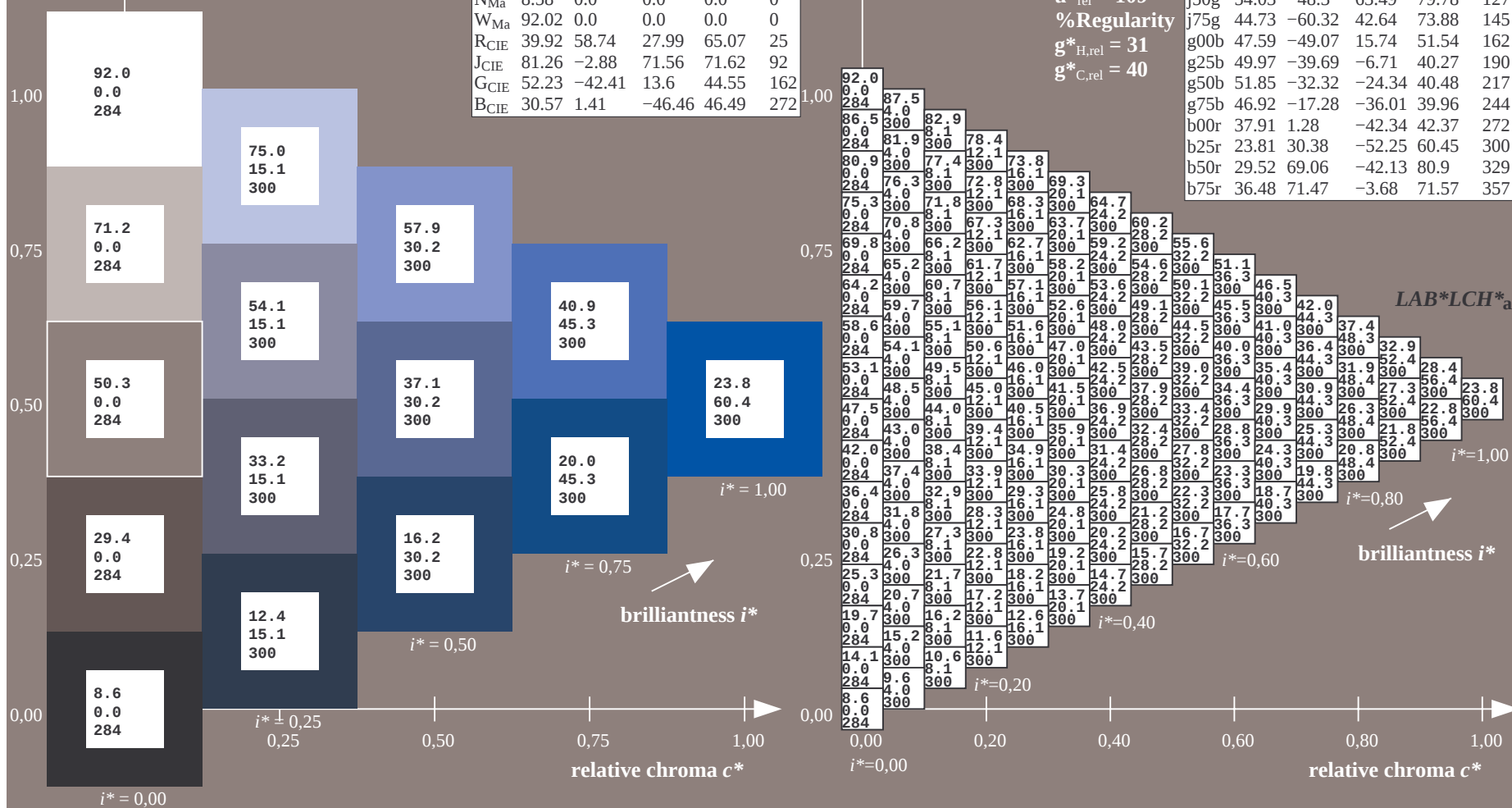
$u^*_{rel} = 109$

%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^*

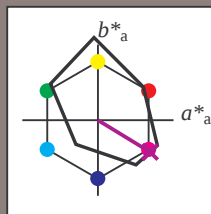
elementary hue text:

$u^* = b50r$

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

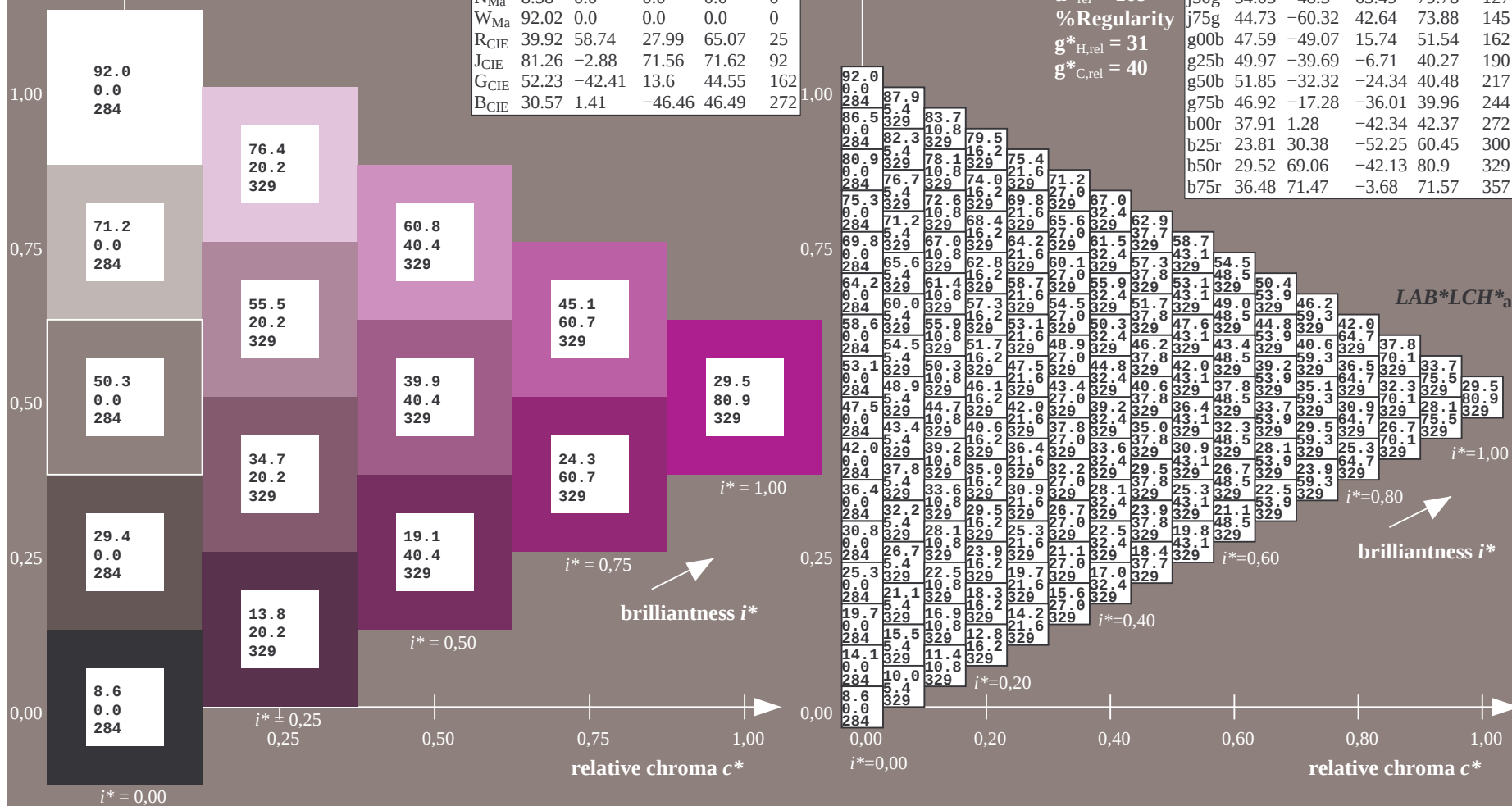
$u^*_{rel} = 109$

%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^*

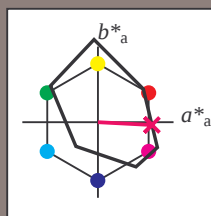
elementary hue text:

$u^* = b75r$

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

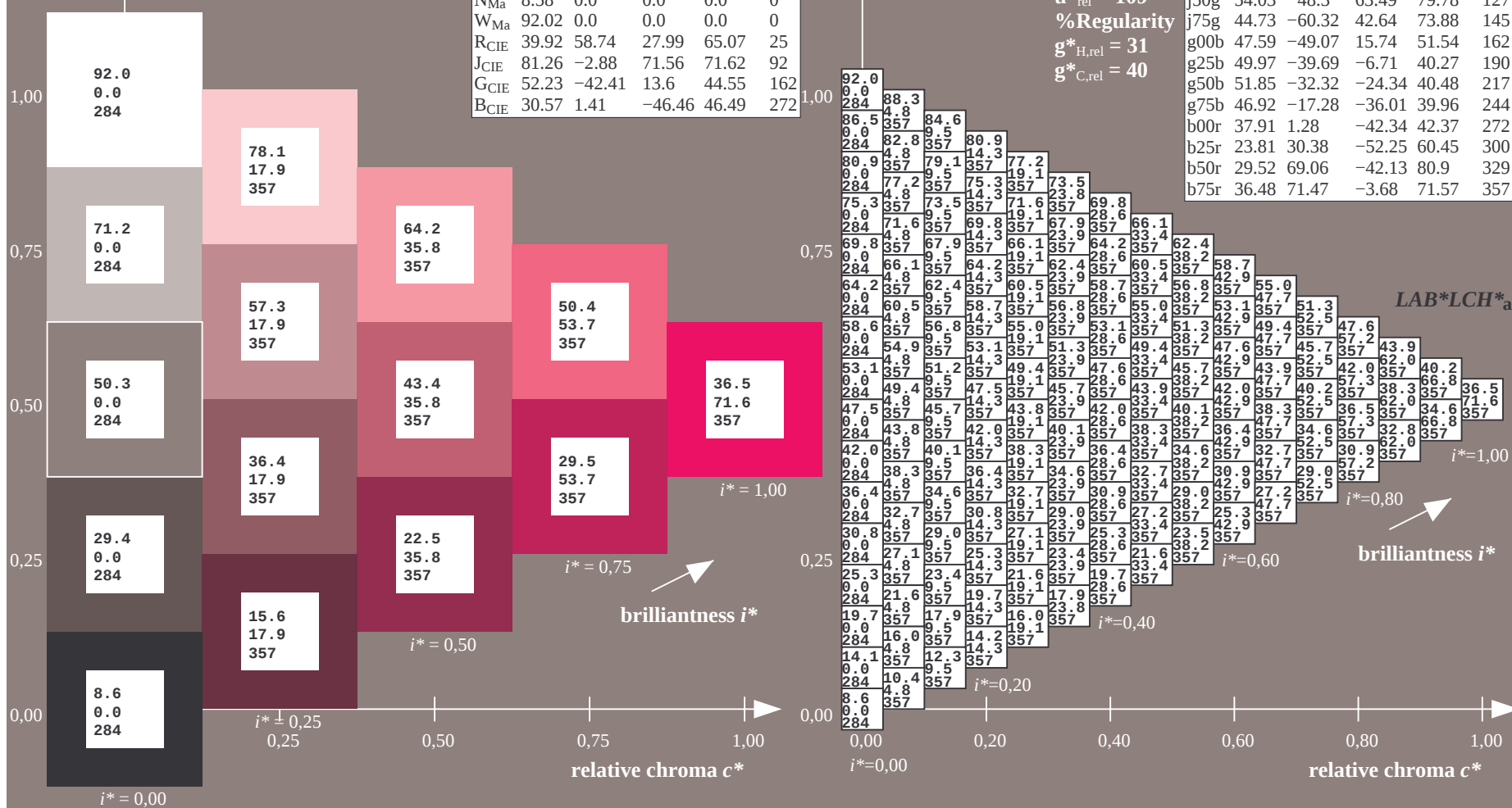
$u^*_{rel} = 109$

%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/De96/>; www.ps.bam.de/De96/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

BAM registration: 20080701-De96/10L/L96E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
01	8.6	13.0	17.5	21.9	26.4	30.8	35.2	39.7	44.1	48.5	52.9	57.3	61.7	66.1	70.5	74.9	79.3	83.7	88.1	92.5	96.9	101.3	105.7	110.1	114.5	118.9	123.3	127.7	132.1	136.5	140.9	145.3	149.7	154.1	158.5	162.9	167.3	171.7	176.1	180.5	184.9	189.3	193.7	198.1	202.5	206.9	211.3	215.7	220.1	224.5	228.9	233.3	237.7	242.1	246.5	250.9	255.3	259.7	264.1	268.5	272.9	277.3	281.7	286.1	290.5	294.9	299.3	303.7	308.1	312.5	316.9	321.3	325.7	330.1	334.5	338.9	343.3	347.7	352.1	356.5	360.9	365.3	369.7	374.1	378.5	382.9	387.3	391.7	396.1	400.5	404.9	409.3	413.7	418.1	422.5	426.9	431.3	435.7	440.1	444.5	448.9	453.3	457.7	462.1	466.5	470.9	475.3	479.7	484.1	488.5	492.9	497.3	501.7	506.1	510.5	514.9	519.3	523.7	528.1	532.5	536.9	541.3	545.7	550.1	554.5	558.9	563.3	567.7	572.1	576.5	580.9	585.3	589.7	594.1	598.5	602.9	607.3	611.7	616.1	620.5	624.9	629.3	633.7	638.1	642.5	646.9	651.3	655.7	660.1	664.5	668.9	673.3	677.7	682.1	686.5	690.9	695.3	699.7	704.1	708.5	712.9	717.3	721.7	726.1	730.5	734.9	739.3	743.7	748.1	752.5	756.9	761.3	765.7	770.1	774.5	778.9	783.3	787.7	792.1	796.5	800.9	805.3	809.7	814.1	818.5	822.9	827.3	831.7	836.1	840.5	844.9	849.3	853.7	858.1	862.5	866.9	871.3	875.7	880.1	884.5	888.9	893.3	897.7	902.1	906.5	910.9	915.3	919.7	924.1	928.5	932.9	937.3	941.7	946.1	950.5	954.9	959.3	963.7	968.1	972.5	976.9	981.3	985.7	990.1	994.5	998.9	1003.3	1007.7	1012.1	1016.5	1020.9	1025.3	1029.7	1034.1	1038.5	1042.9	1047.3	1051.7	1056.1	1060.5	1064.9	1069.3	1073.7	1078.1	1082.5	1086.9	1091.3	1095.7	1099.7	1104.1	1108.5	1112.9	1117.3	1121.7	1126.1	1130.5	1134.9	1139.3	1143.7	1148.1	1152.5	1156.9	1161.3	1165.7	1170.1	1174.5	1178.9	1183.3	1187.7	1192.1	1196.5	1200.9	1205.3	1209.7	1214.1	1218.5	1222.9	1227.3	1231.7	1236.1	1240.5	1244.9	1249.3	1253.7	1258.1	1262.5	1266.9	1271.3	1275.7	1280.1	1284.5	1288.9	1293.3	1297.7	1302.1	1306.5	1310.9	1315.3	1319.7	1324.1	1328.5	1332.9	1337.3	1341.7	1346.1	1350.5	1354.9	1359.3	1363.7	1368.1	1372.5	1376.9	1381.3	1385.7	1390.1	1394.5	1398.9	1403.3	1407.7	1412.1	1416.5	1420.9	1425.3	1429.7	1434.1	1438.5	1442.9	1447.3	1451.7	1456.1	1460.5	1464.9	1469.3	1473.7	1478.1	1482.5	1486.9	1491.3	1495.7	1499.7	1504.1	1508.5	1512.9	1517.3	1521.7	1526.1	1530.5	1534.9	1539.3	1543.7	1548.1	1552.5	1556.9	1561.3	1565.7	1570.1	1574.5	1578.9	1583.3	1587.7	1592.1	1596.5	1600.9	1605.3	1609.7	1614.1	1618.5	1622.9	1627.3	1631.7	1636.1	1640.5	1644.9	1649.3	1653.7	1658.1	1662.5	1666.9	1671.3	1675.7	1680.1	1684.5	1688.9	1693.3	1697.7	1702.1	1706.5	1710.9	1715.3	1719.7	1724.1	1728.5	1732.9	1737.3	1741.7	1746.1	1750.5	1754.9	1759.3	1763.7	1768.1	1772.5	1776.9	1781.3	1785.7	1790.1	1794.5	1798.9	1803.3	1807.7	1812.1	1816.5	1820.9	1825.3	1829.7	1834.1	1838.5	1842.9	1847.3	1851.7	1856.1	1860.5	1864.9	1869.3	1873.7	1878.1	1882.5	1886.9	1891.3	1895.7	1899.7	1904.1	1908.5	1912.9	1917.3	1921.7	1926.1	1930.5	1934.9	1939.3	1943.7	1948.1	1952.5	1956.9	1961.3	1965.7	1970.1	1974.5	1978.9	1983.3	1987.7	1992.1	1996.5	2000.9	2005.3	2009.7	2014.1	2018.5	2022.9	2027.3	2031.7	2036.1	2040.5	2044.9	2049.3	2053.7	2058.1	2062.5	2066.9	2071.3	2075.7	2080.1	2084.5	2088.9	2093.3	2097.7	2102.1	2106.5	2110.9	2115.3	2119.7	2124.1	2128.5	2132.9	2137.3	2141.7	2146.1	2150.5	2154.9	2159.3	2163.7	2168.1	2172.5	2176.9	2181.3	2185.7	2190.1	2194.5	2198.9	2203.3	2207.7	2212.1	2216.5	2220.9	2225.3	2229.7	2234.1	2238.5	2242.9	2247.3	2251.7	2256.1	2260.5	2264.9	2269.3	2273.7	2278.1	2282.5	2286.9	2291.3	2295.7	2300.1	2304.5	2308.9	2313.3	2317.7	2322.1	2326.5	2330.9	2335.3	2339.7	2344.1	2348.5	2352.9	2357.3	2361.7	2366.1	2370.5	2374.9	2379.3	2383.7	2388.1	2392.5	2396.9	2401.3	2405.7	2410.1	2414.5	2418.9	2423.3	2427.7	2432.1	2436.5	2440.9	2445.3	2449.7	2454.1	2458.5	2462.9	2467.3	2471.7	2476.1	2480.5	2484.9	2489.3	2493.7	2498.1	2502.5	2506.9	2511.3	2515.7	2520.1	2524.5	2528.9	2533.3	2537.7	2542.1	2546.5	2550.9	2555.3	2559.7	2564.1	2568.5	2572.9	2577.3	2581.7	2586.1	2590.5	2594.9	2599.3	2603.7	2608.1	2612.5	2616.9	2621.3	2625.7	2630.1	2634.5	2638.9	2643.3	2647.7	2652.1	2656.5	2660.9	2665.3	2669.7	2674.1	2678.5	2682.9	2687.3	2691.7	2696.1	2700.5	2704.9	2709.3	2713.7	2718.1	2722.5	2726.9	2731.3	2735.7	2740.1	2744.5	2748.9	2753.3	2757.7	2762.1	2766.5	2770.9	2775.3	2779.7	2784.1	2788.5	2792.9	2797.3	2801.7	2806.1	2810.5	2814.9	2819.3	2823.7	2828.1	2832.5	2836.9	2841.3	2845.7	2850.1	2854.5	2858.9	2863.3	2867.7	2872.1	2876.5	2880.9	2885.3	2889.7	2894.1	2898.5	2902.9	2907.3	2911.7	2916.1	2920.5	2924.9	2929.3	2933.7	2938.1	2942.5	2946.9	2951.3	2955.7	2960.1	2964.5	2968.9	2973.3	2977.7	2982.1	2986.5	2990.9	2995.3	2999.7	3004.1	3008.5	3012.9	3017.3	3021.7	3026.1	3030.5	3034.9	3039.3	3043.7	3048.1	3052.5	3056.9	3061.3	3065.7	3070.1	3074.5	3078.9	3083.3	3087.7	3092.1	3096.5	3100.9	3105.3	3109.7	3114.1	3118.5	3122.9	3127.3	3131.7	3136.1	3140.5	3144.9	3149.3	3153.7	3158.1	3162.5	3166.9	3171.3	3175.7	3180.1	3184.5	3188.9	3193.3	3197.7	3202.1	3206.5	3210.9	3215.3	3219.7	3224.1	3228.5	3232.9	3237.3	3241.7	3246.1	3250.5	3254.9	3259.3	3263.7	3268.1	3272.5	3276.9	3281.3	3285.7	3290.1	3294.5	3298.9	3303.3	3307.7	3312.1	3316.5	3320.9	3325.3	3329.7	3334.1	3338.5	3342.9	3347.3	3351.7	3356.1	3360.5	3364.9	3369.3	3373.7	3378.1	3382.5	3386.9	3391.3	3395.7	3400.1	3404.5	3408.9	3413.3	3417.7	3422.1	3426.5	3430.9	3435.3	3439.7	3444.1	3448.5	3452.9	3457.3	3461.7	3466.1	3470.5	3474.9	3479.3	3483.7	3488.1	3492.5	3496.9	3501.3	3505.7	3510.1	3514.5	3518.9	3523.3	3527.7	3532.1	3536.5	3540.9	3545.3	3549.7	3554.1	3558.5	3562.9	3567.3	3571.7	3576.1	3580.5	3584.9	3589.3	3593.7	3598.1	3602.5	3606.9	3611.3	3615.7	3620.1	3624.5	3628.9	3633.3	3637.7	3642.1	3646.5	3650.9	3655.3	3659.7	3664.1	3668.5	3672.9	3677.3	3681.7	3686.1	3690.5	3694.9	3699.3	3703.7	3708.1	3712.5	3716.9	3721.3	3725.7	3730.1	3734.5	3738.9	3743.3	3747.7	3752.1	3756.5	3760.9	3765.3	3769.7	3774.1	3778.5	3782.9	3787.3	3791.7	3796.1	3800.5	3804.9	3809.3	3813.7	3818.1	3822.5	3826.9	3831.3	3835.7	3840.1	3844.5	3848.9	3853.3	3857.7	3862.1	3866.5	3870.9	3875.3	3879.7	3884.1	3888.5	3892.9	3897.3	3901.7	3906.1	3910.5	3914.9	3919.3	3923.7	3928.1	3932.5	3936.9	3941.3	3945.7	3950.1	3954.5	3958.9	3963.3	3967.7	3972.1	3976.5	3980.9	3985.3	3989.7	3994.1	3998.5	4002.9	4007.3	4011.7	4016.1	4020.5	4024.9	4029.3	4033.7	4038.1	4042.5	4046.9	4

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

$lab^{*}tch^{*}$ and $lab^{*}icu^{*}$

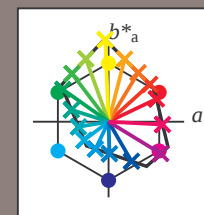
elementary hue text:

$u^{*} = 16$ 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

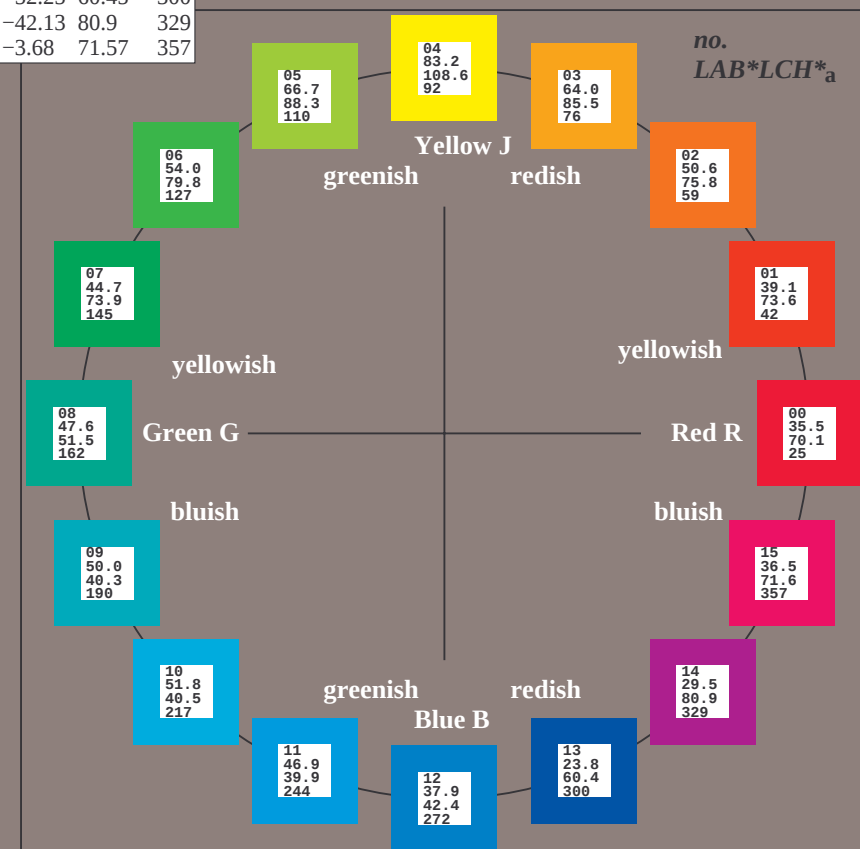
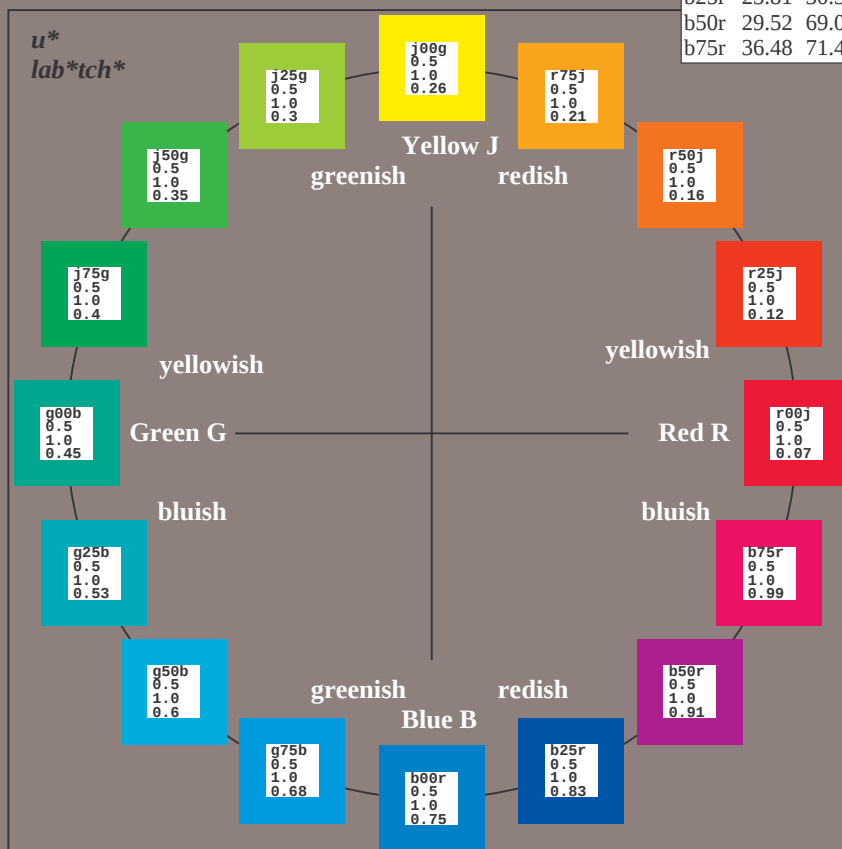
$u^{*}_{rel} = 109$

%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^*

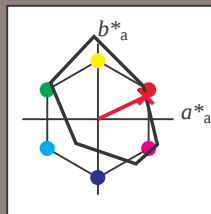
elementary hue text:

$u^* = r00j$

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^*

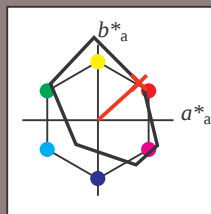
elementary hue text:

$u^* = r25j$

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

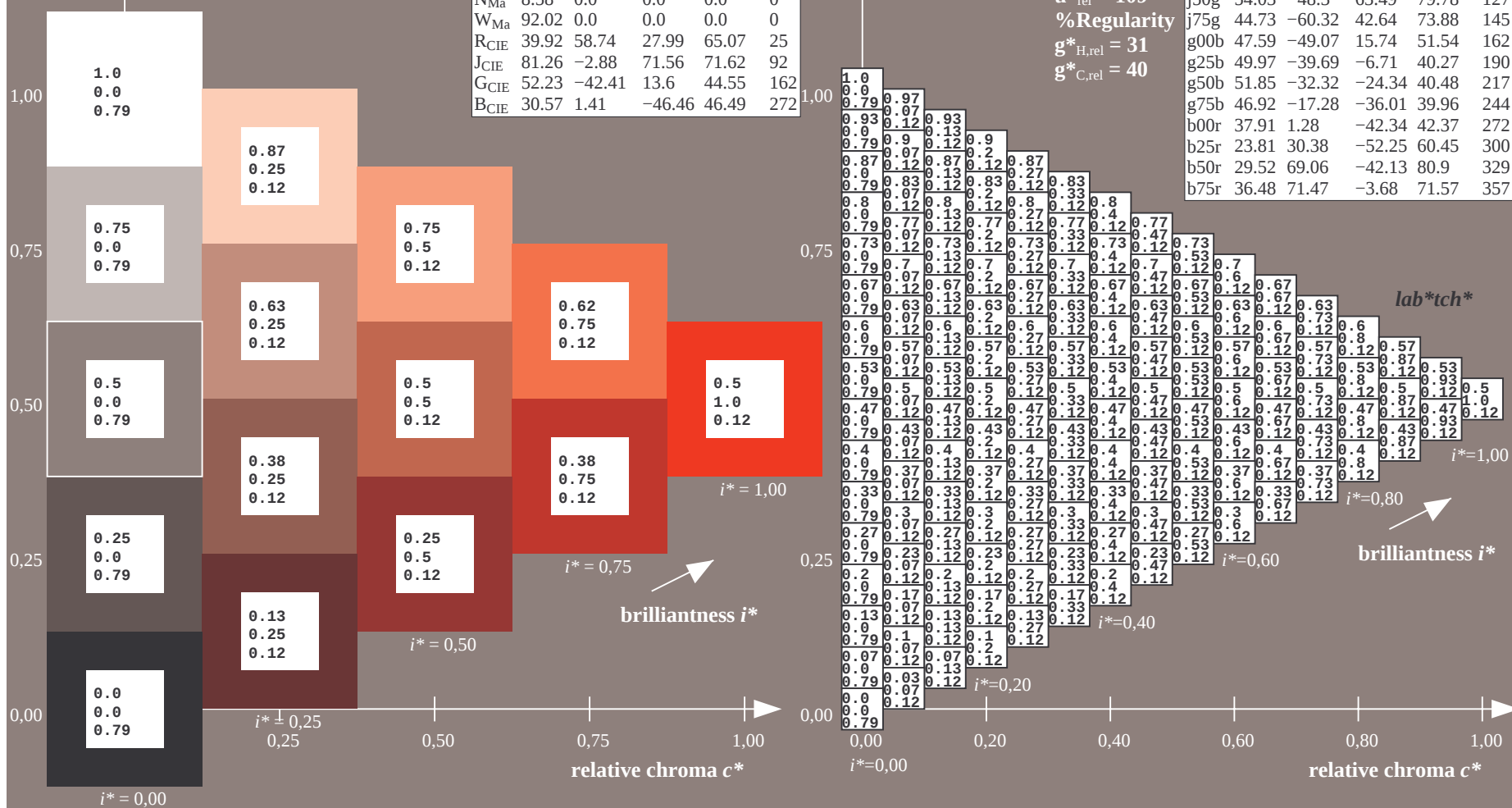
$u^*_{rel} = 109$

%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^*

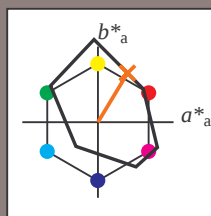
elementary hue text:

$u^* = r50j$

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

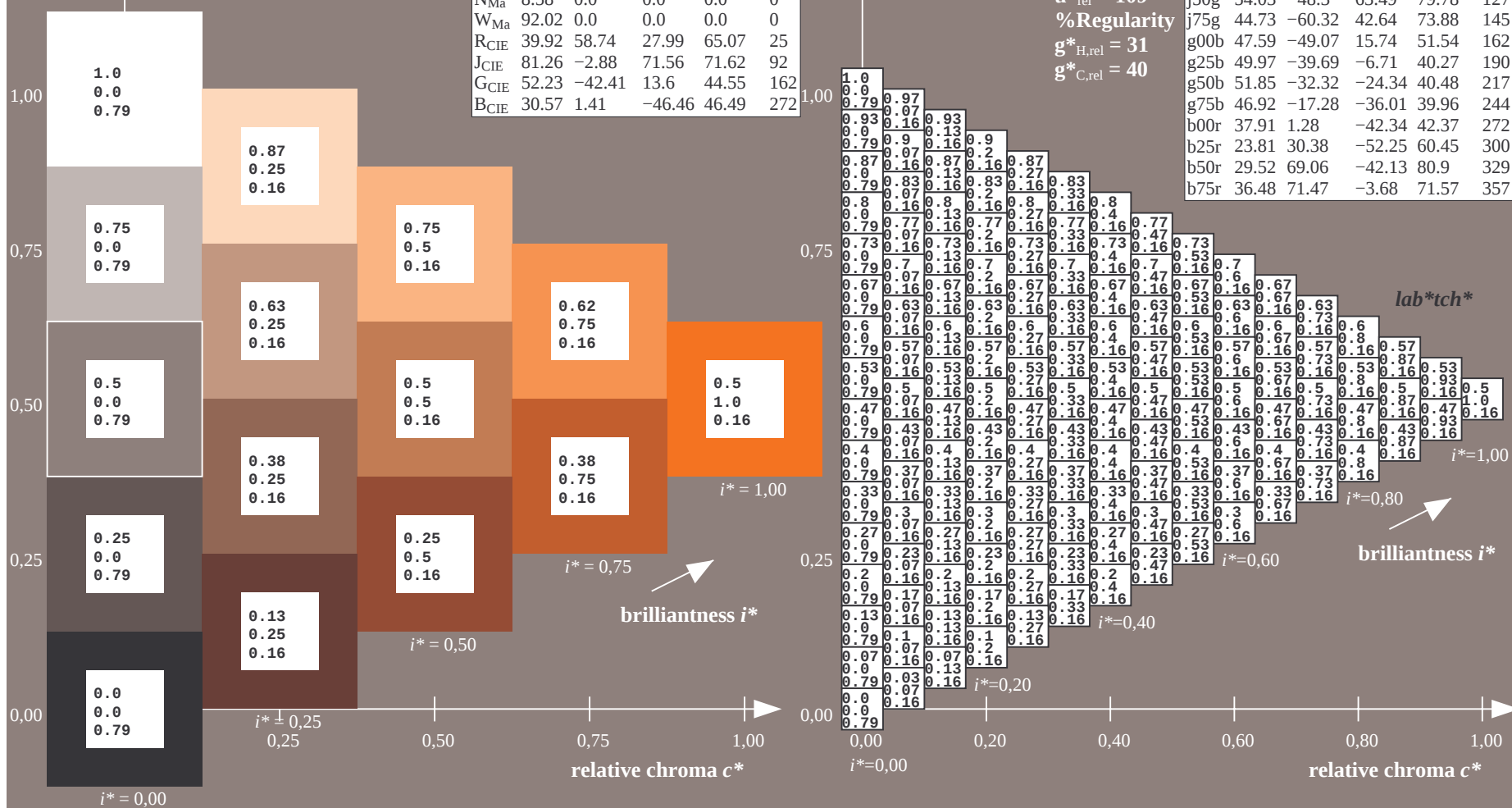
$u^*_{rel} = 109$

%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^*

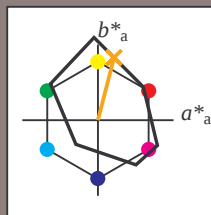
elementary hue text:

$u^* = r75j$

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

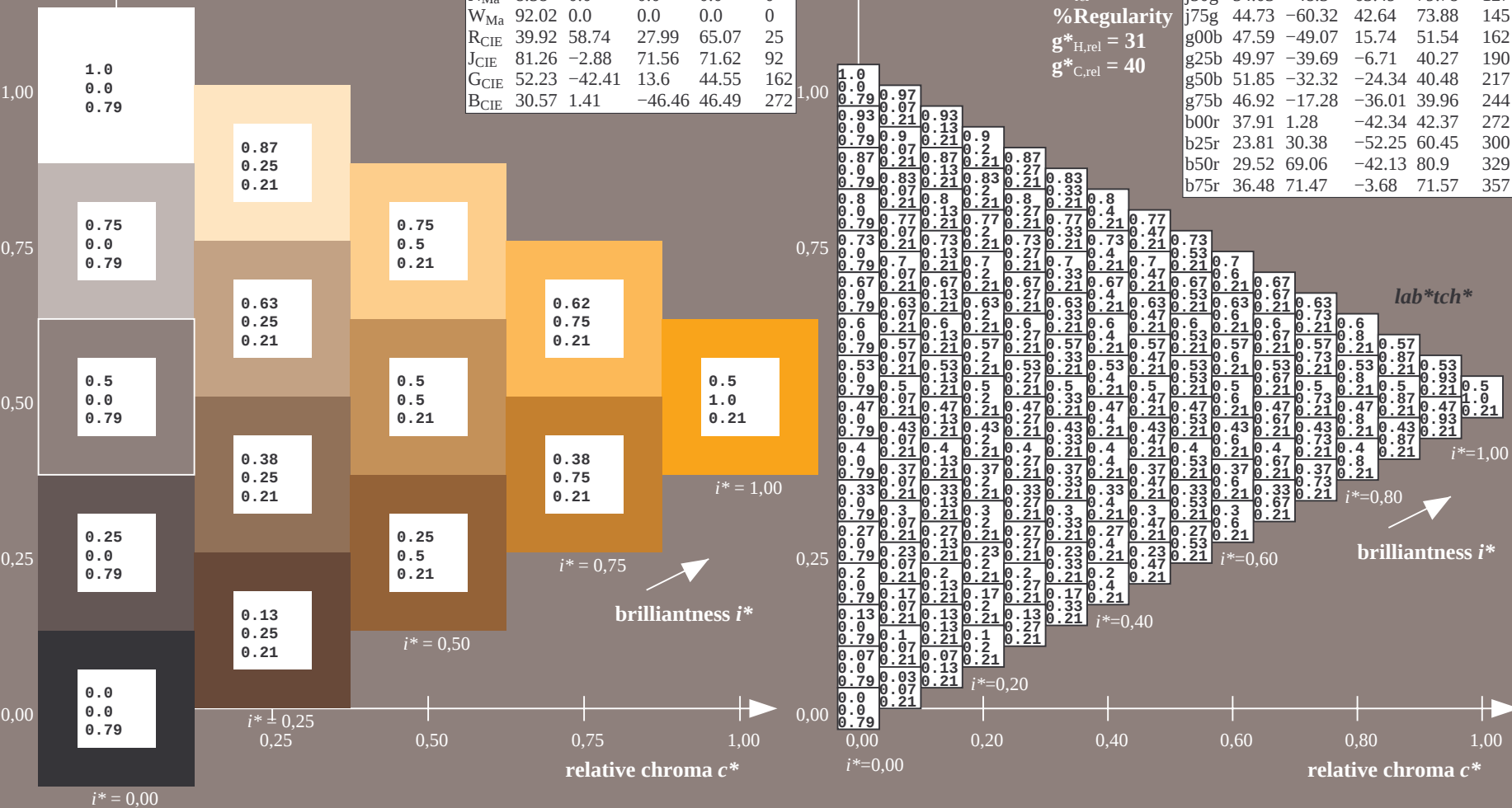
$u^*_{rel} = 109$

%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^*

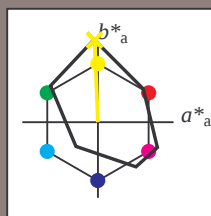
elementary hue text:

$u^* = j00g$

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

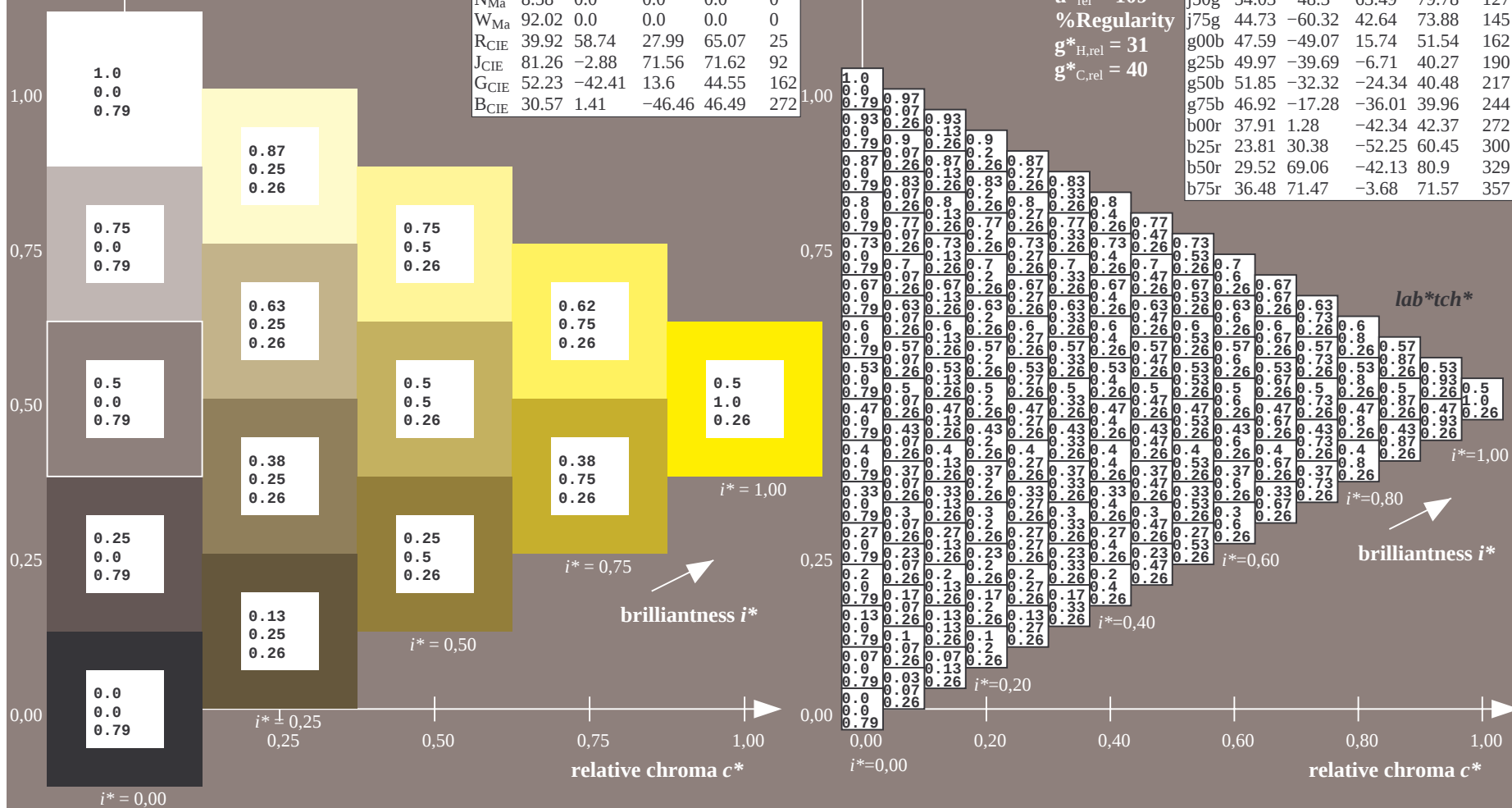
$u^*_{rel} = 109$

%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^*

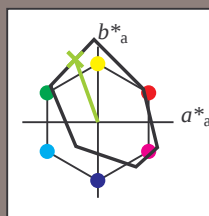
elementary hue text:

$u^* = j25g$

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

lab^*tch^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

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^*

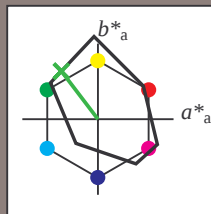
elementary hue text:

$u^* = j50g$

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^*

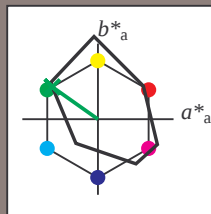
elementary hue text:

$u^* = j75g$

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

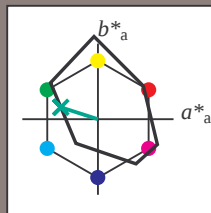
elementary hue text:

$u^* = g00b$

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

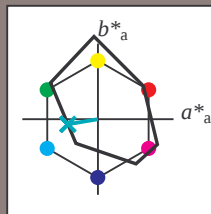
elementary hue text:

$u^* = g25b$

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

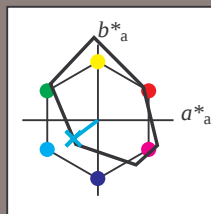
elementary hue text:

$u^* = g50b$

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

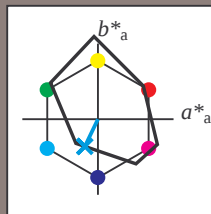
elementary hue text:

$u^* = g75b$

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

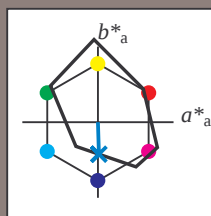
elementary hue text:

$u^* = b00r$

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^*

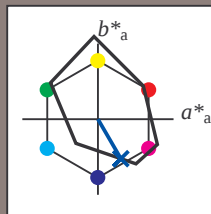
elementary hue text:

$u^* = b25r$

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^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

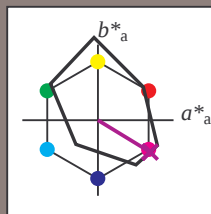
elementary hue text:

$u^* = b50r$

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

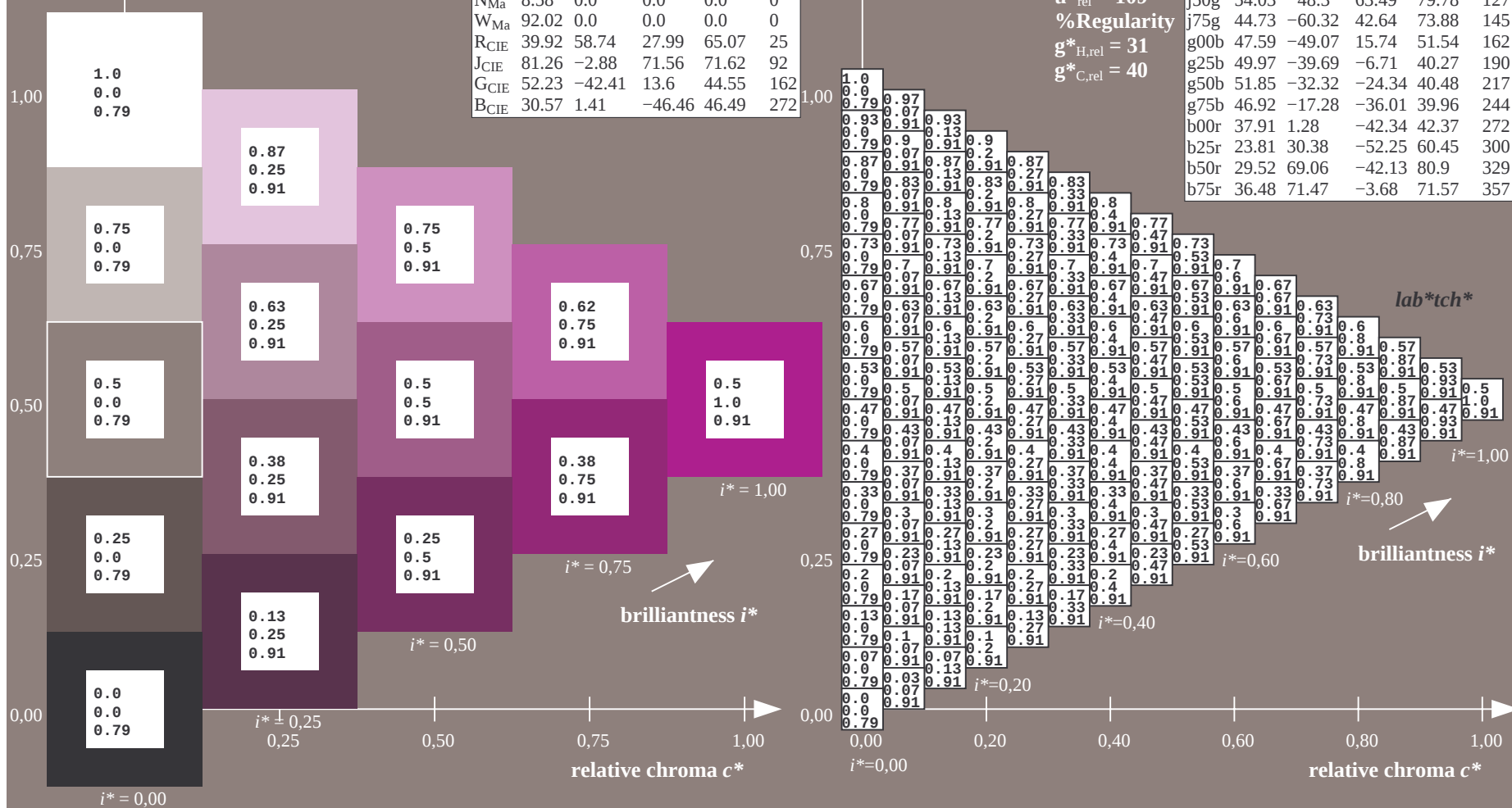
$u^*_{rel} = 109$

%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^*

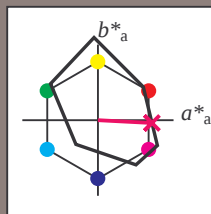
elementary hue text:

$u^* = b75r$

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

See for similar files: <http://www.ps.bam.de/De96/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20080/01-De96/10/L/L96E00NA.PS/.1X1 BAM material: code=rhataa application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab* <i>tch*</i>			
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	1.0	0.94	0.87	0.81	0.75	0.69	0.62	0.56	0.5	0.0	0.0	0.0	0.0	
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.12	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.25	0.25	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.0	0.0	0.0	
	0.79	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.1	0.26	0.31	0.34	0.35	0.62	0.37	0.37	0.37	0.1	0.2	0.26	0.29	0.31	0.33	0.34	0.35	1.0	0.79	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.79	0.79	0.79	0.79	
02	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.13	0.13	0.13	0.13	
	0.12	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.0	0.0	0.0	0.0	
	0.86	0.63	0.47	0.44	0.42	0.42	0.41	0.41	0.41	0.94	0.79	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.01	0.1	0.26	0.31	0.34	0.35	0.36	0.37	0.37	0.63	0.79	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.79	0.79	0.79	0.79
03	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.87	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.25	0.25	0.25	0.25	
	0.25	0.25	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0	
	0.86	0.79	0.63	0.52	0.47	0.45	0.44	0.43	0.42	0.9	0.86	0.63	0.47	0.44	0.42	0.42	0.41	0.41	0.94	0.94	0.94	0.79	0.4	0.4	0.4	0.4	0.4	0.4	0.63	0.63	0.79	0.1	0.1	0.1	0.1	0.1	0.1	0.79	0.79	0.79	0.79
04	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.62	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.38	0.38	0.38	0.38	0.38	
	0.37	0.37	0.37	0.5	0.62	0.75	0.87	1.0	0.37	0.5	0.62	0.75	0.87	1.0	0.37	0.5	0.62	0.75	0.37	0.25	0.13	0.13	0.25	0.38	0.5	0.62	0.37	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.62	0.0	0.0	0.0	0.0		
	0.86	0.82	0.74	0.63	0.55	0.5	0.47	0.46	0.44	0.89	0.86	0.79	0.63	0.52	0.47	0.45	0.44	0.43	0.91	0.91	0.86	0.63	0.44	0.42	0.42	0.42	0.42	0.42	0.63	0.63	0.79	0.1	0.1	0.1	0.1	0.1	0.79	0.79	0.79	0.79	
05	0.25	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.25	0.31	0.38	0.38	0.38	0.44	0.5	0.56	0.62	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.5	0.5	0.5	0.5	
	0.5	0.5	0.5	0.5	0.5	0.62	0.75	0.87	1.0	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.87	0.5	0.38	0.25	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0		
	0.86	0.83	0.79	0.71	0.63	0.57	0.52	0.49	0.47	0.88	0.86	0.82	0.74	0.63	0.55	0.5	0.47	0.46	0.9	0.89	0.86	0.79	0.63	0.52	0.47	0.45	0.44	0.63	0.63	0.63	0.63	0.63	0.79	0.1	0.1	0.1	0.79	0.79	0.79	0.79	
06	0.31	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.31	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.31	0.38	0.44	0.44	0.44	0.44	0.5	0.56	0.62	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.63	0.63	0.63	0.63	
	0.62	0.62	0.62	0.62	0.62	0.62	0.75	0.87	1.0	0.62	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.87	0.62	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.37	0.0	0.0	0.0	0.0	
	0.86	0.84	0.81	0.76	0.7	0.63	0.58	0.54	0.51	0.88	0.86	0.83	0.79	0.71	0.63	0.57	0.52	0.49	0.89	0.88	0.86	0.82	0.74	0.63	0.55	0.5	0.47	0.63	0.63	0.63	0.63	0.63	0.79	0.1	0.1	0.1	0.79	0.79	0.79	0.79	
07	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.38	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.38	0.44	0.5	0.5	0.5	0.5	0.5	0.56	0.62	0.62	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.75	0.75	0.75	0.75	
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.87	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0	
	0.86	0.85	0.82	0.79	0.74	0.68	0.63	0.59	0.55	0.88	0.86	0.84	0.81	0.76	0.7	0.63	0.58	0.54	0.89	0.88	0.86	0.83	0.79	0.71	0.63	0.57	0.52	0.63	0.63	0.63	0.63	0.63	0.79	0.1	0.1	0.79	0.79	0.79	0.79		
08	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.44	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.88	0.88	0.88	0.88	
	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	1.0	0.87	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	0.87	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.12	0.0	0.0	0.0	
	0.86	0.85	0.83	0.8	0.77	0.72	0.68	0.63	0.59	0.87	0.86	0.85	0.82	0.79	0.74	0.68	0.63	0.59	0.88	0.88	0.86	0.84	0.81	0.76	0.7	0.63	0.58	0.63	0.63	0.63	0.63	0.63	0.79	0.1	0.79	0.79	0.79	0.79	0.79	0.79	
09	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.5	0.56	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	1.0	1.0	1.0	1.0		
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	1.0	0.87	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	0.0	0.0	0.0		
	0.86	0.85	0.83	0.81	0.79	0.75	0.71	0.67	0.63	0.87	0.86	0.85	0.83	0.8	0.77	0.72	0.68	0.63	0.88	0.87	0.86	0.85	0.82	0.79	0.74	0.68	0.63	0.63	0.63	0.63	0.63	0.63	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
10	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.25	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.31	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	1.0	0.94	0.87	0.81	0.75	0.69	0.62	0.56	0.5	0.0	0.0	0.0	0.0	
	0.37	0.37	0.37	0.37	0.5	0.62	0.75	0.87	1.0	0.5	0.5	0.5	0.5	0.5	0.62	0.75	0.87	1.0	0.62	0.62	0.62	0.62	0.62	0.62	0.75	0.87	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.0	0.0	0.0	
	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.31	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.62	0.79	0.69	0.63	0.56	0.5	0.44	0.38	0.25	0.25	0.25	0.25	0.25	0.25	
11	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.31	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.62	0.79	0.69	0.63	0.56	0.5	0.44	0.38	0.25	0.25	0.25	0.25	0.25	0.25	
	0.37	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.87	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.87	0.62	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.87	0.12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.0	0.0	0.0	0.0	
	0.04	0.1	0.2	0.26	0.29	0.31	0.33	0.34	0.35	0.06	0.1	0.17	0.22	0.26	0.28	0.3	0.31	0.33	0.07	0.1	0.15	0.2	0.23	0.26	0.28	0.29	0.3	0.86	0.79	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.79	0.79	0.79	0.79
12	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.62	0.25	0.31	0.38	0.38	0.38	0.44	0.5	0.56	0.62	0.31	0.38	0.44	0.44	0.44	0.44	0.5	0.56	0.62	0.87	0.81	0.75	0.69	0.63	0.56	0.5	0.44						

BAM-test chart De96; Colorimetric systems, Page 108/180
colour scales and 8 data tables for 16 hues *r00j* to *b75r*

```
input: 000n / w / nnn0 / www set..  
output: ->cmyn5* setcmykcolor
```

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

$lab^{*}ch^{*}$ and $lab^{*}icu^{*}$

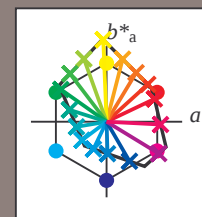
elementary hue text:

$u^{*} = 16$ 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
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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

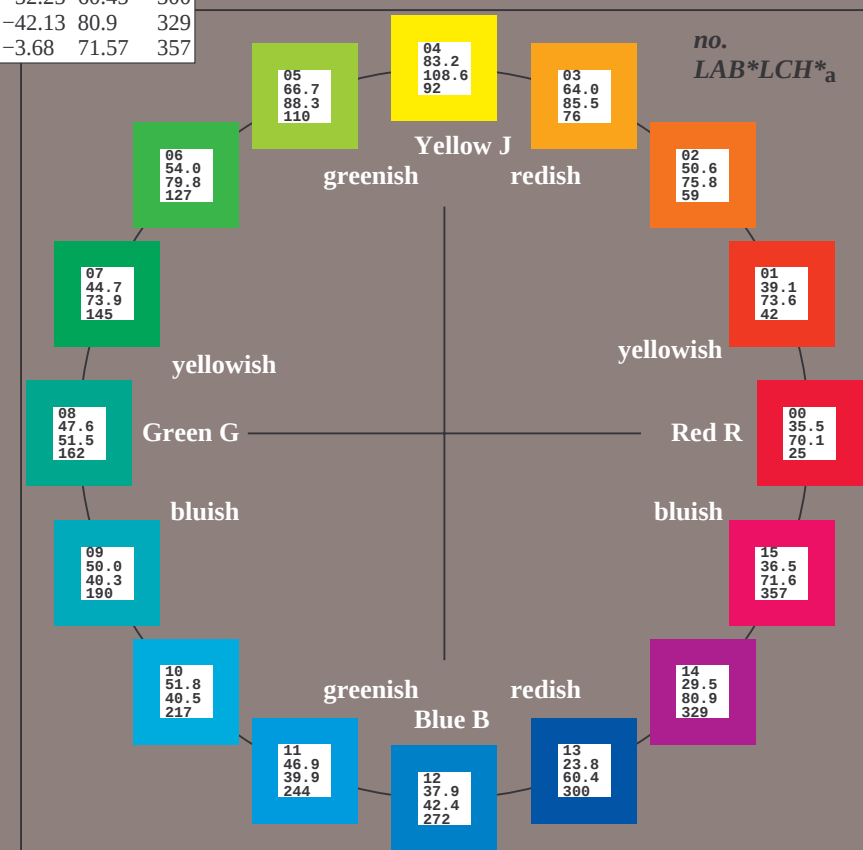
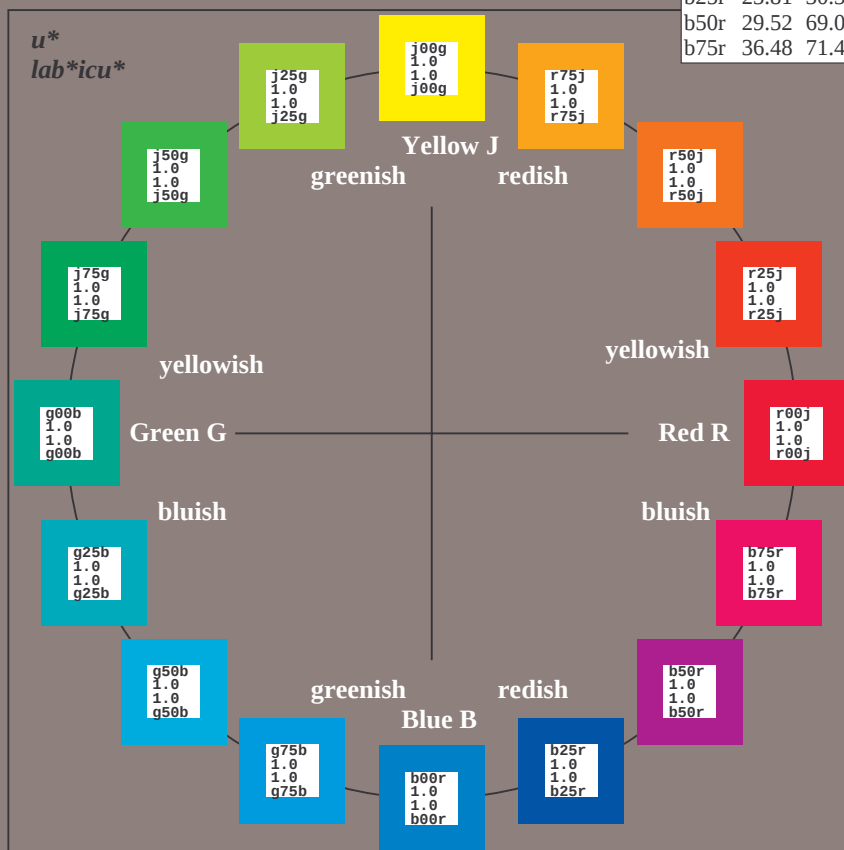
$u^{*}_{rel} = 109$

%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^*

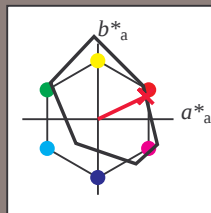
elementary hue text:

$u^* = r00j$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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^*

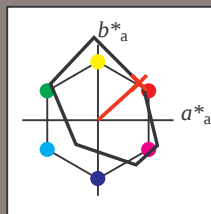
elementary hue text:

$u^* = r25j$

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^*

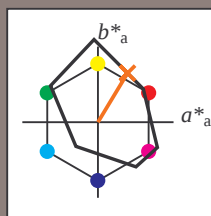
elementary hue text:

$u^* = r50j$

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^*

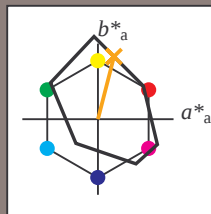
elementary hue text:

$u^* = r75j$

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^*

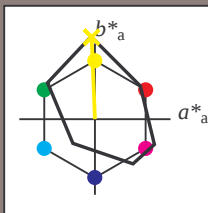
elementary hue text:

$u^* = j00g$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

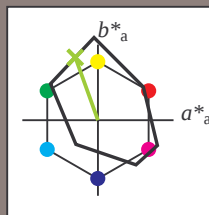
elementary hue text:

$u^* = j25g$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

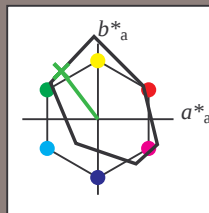
elementary hue text:

$u^* = j50g$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

relative chroma c^*

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^*

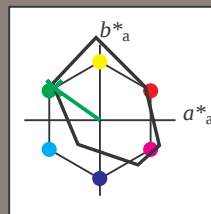
elementary hue text:

$u^* = j75g$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

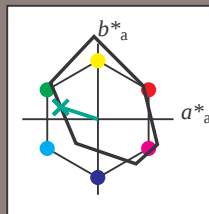
elementary hue text:

$u^* = g00b$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

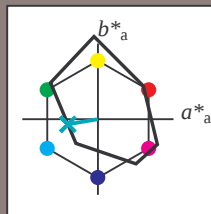
elementary hue text:

$u^* = g25b$

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^*

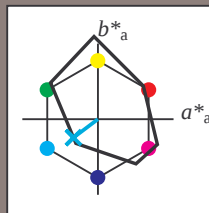
elementary hue text:

$u^* = g50b$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

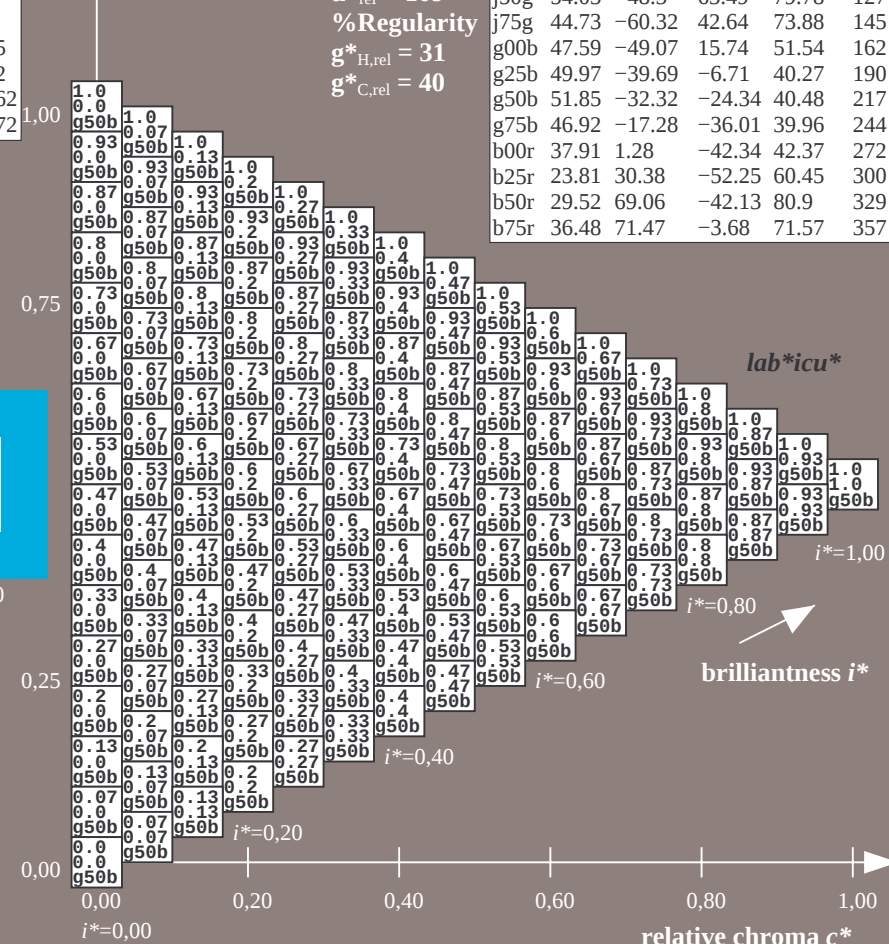
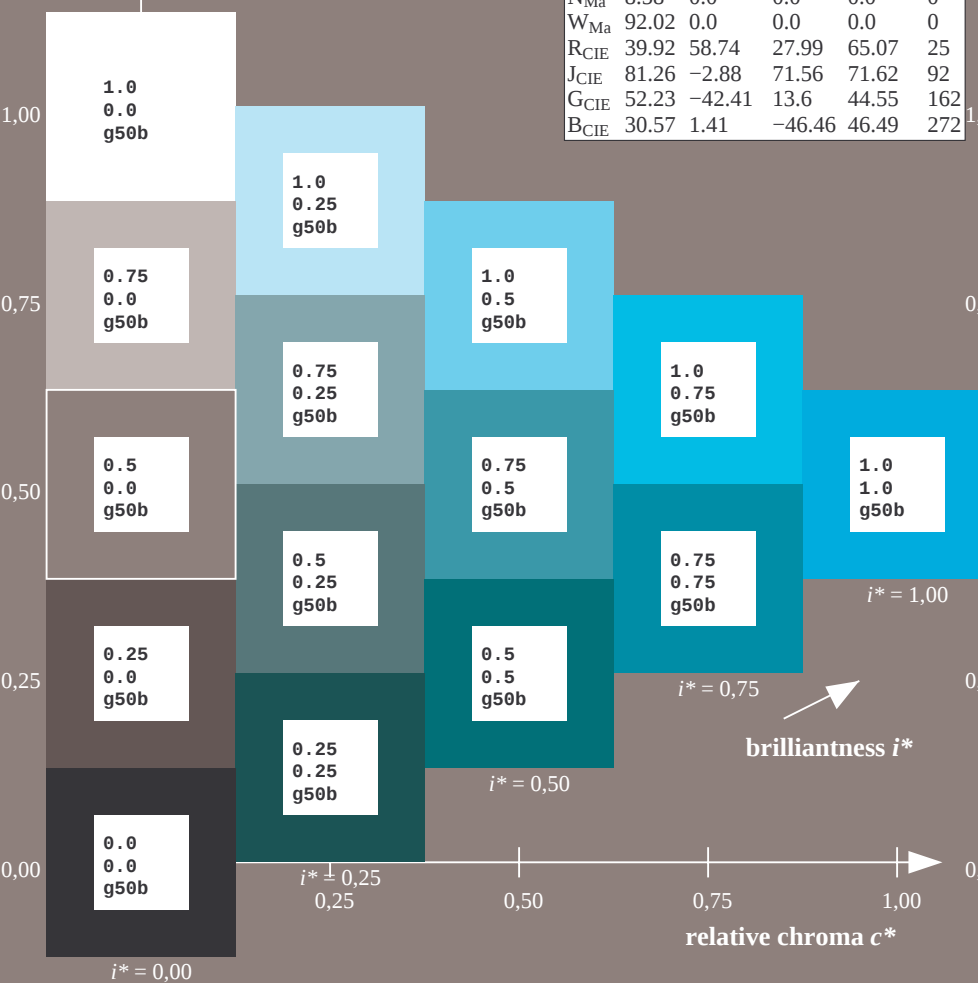
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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^*

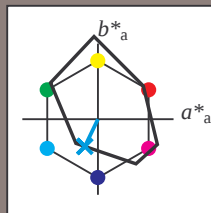
elementary hue text:

$u^* = g75b$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

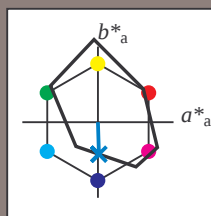
elementary hue text:

$u^* = b00r$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

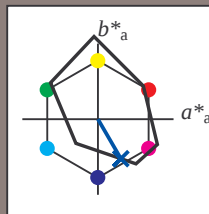
elementary hue text:

$u^* = b25r$

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^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

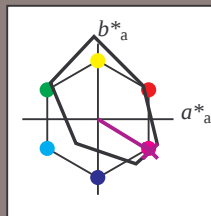
elementary hue text:

$u^* = b50r$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

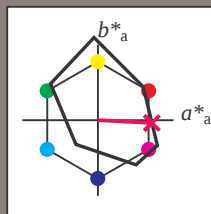
elementary hue text:

$u^* = b75r$

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

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

See for similar files: <http://www.ps.bam.de/De96/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

[illegible]

BAM registration: 20080/01-De96/10/L96E00NA.ps, 1X1 BAM material: code=rh4tia
application for evaluation and measurement of printer or monitor systems

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

$lab^{*}tch^{*}$ and $lab^{*}icu^{*}$

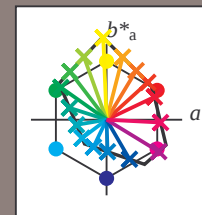
elementary hue text:

$u^{*} = 16$ 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

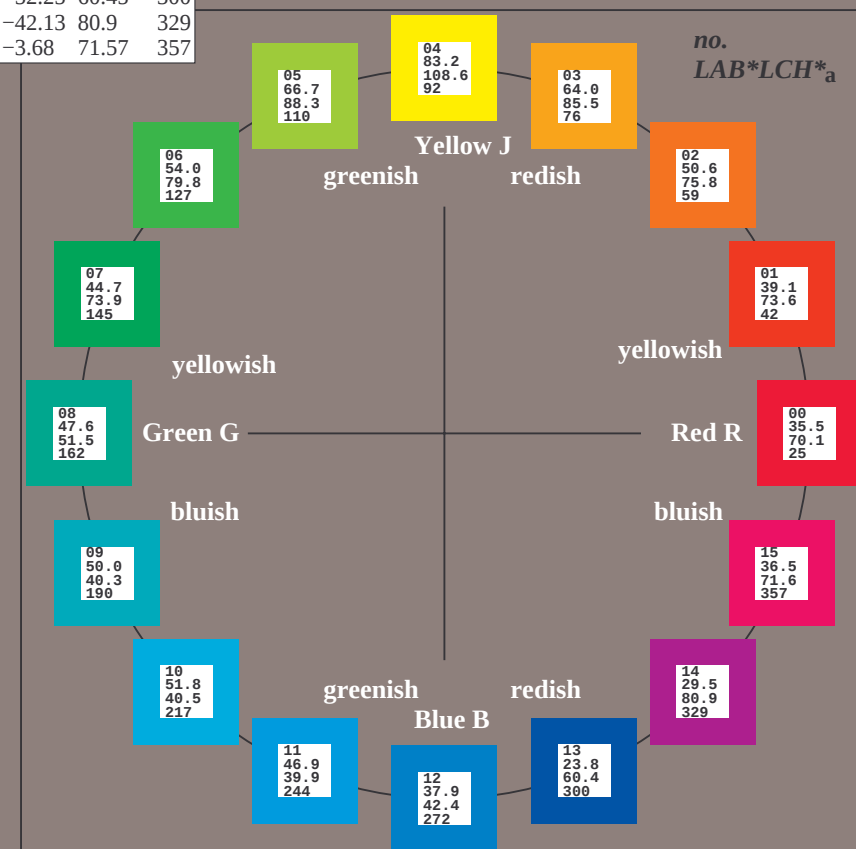
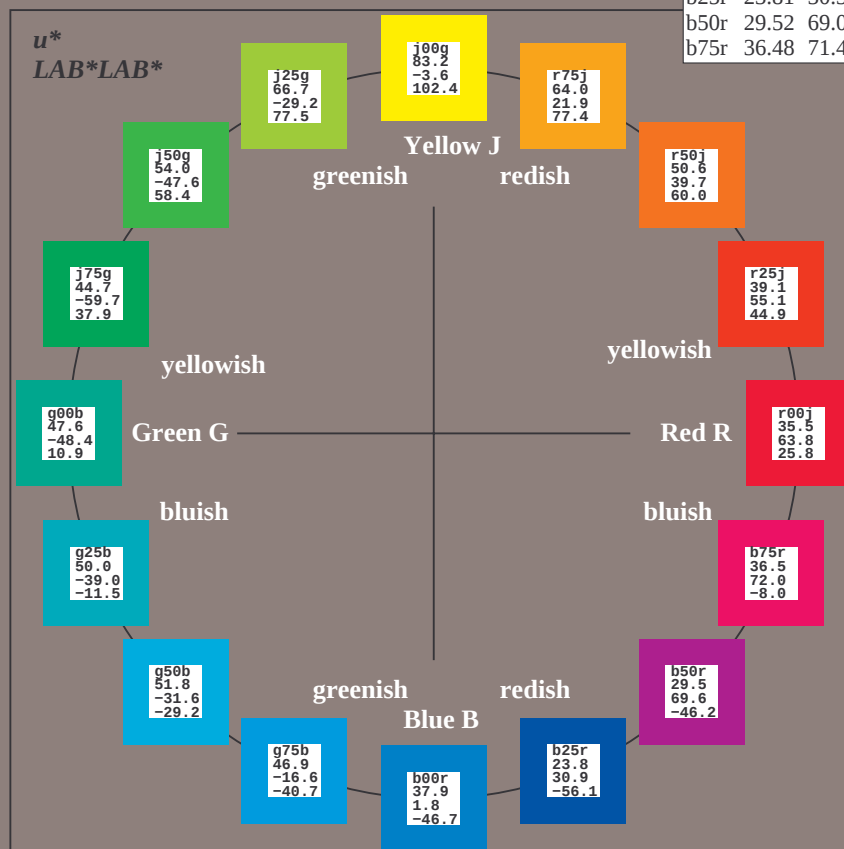
$u^{*}_{rel} = 109$

%Regularity

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

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

FRS09_92; CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	C^{*}_{ab}	h^{*}_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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^*

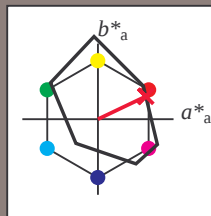
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

LAB^*LAB^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

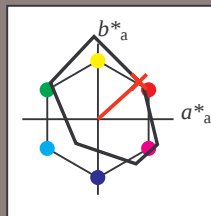
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

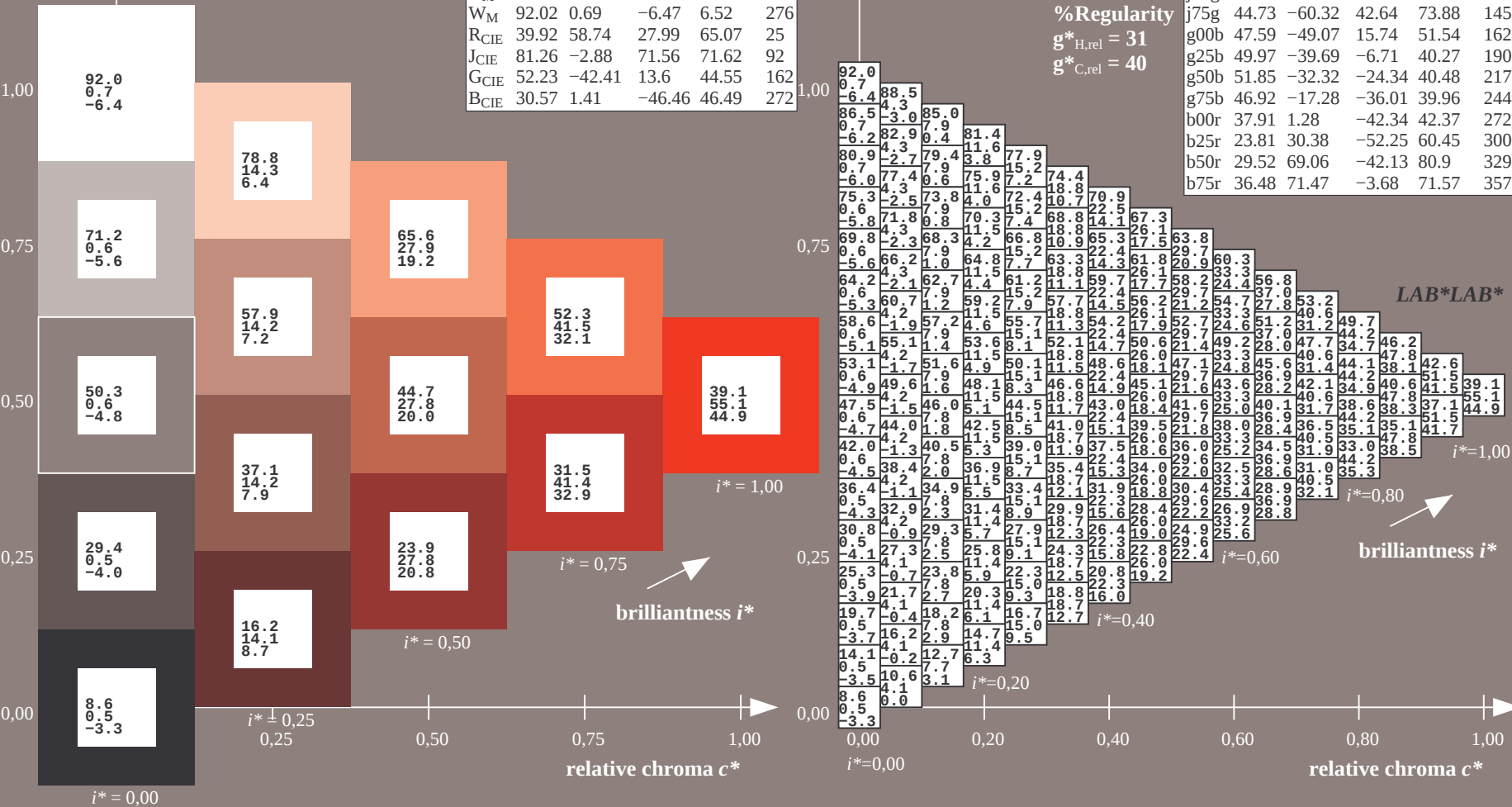
%Regularity

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

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

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^*

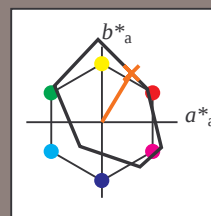
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

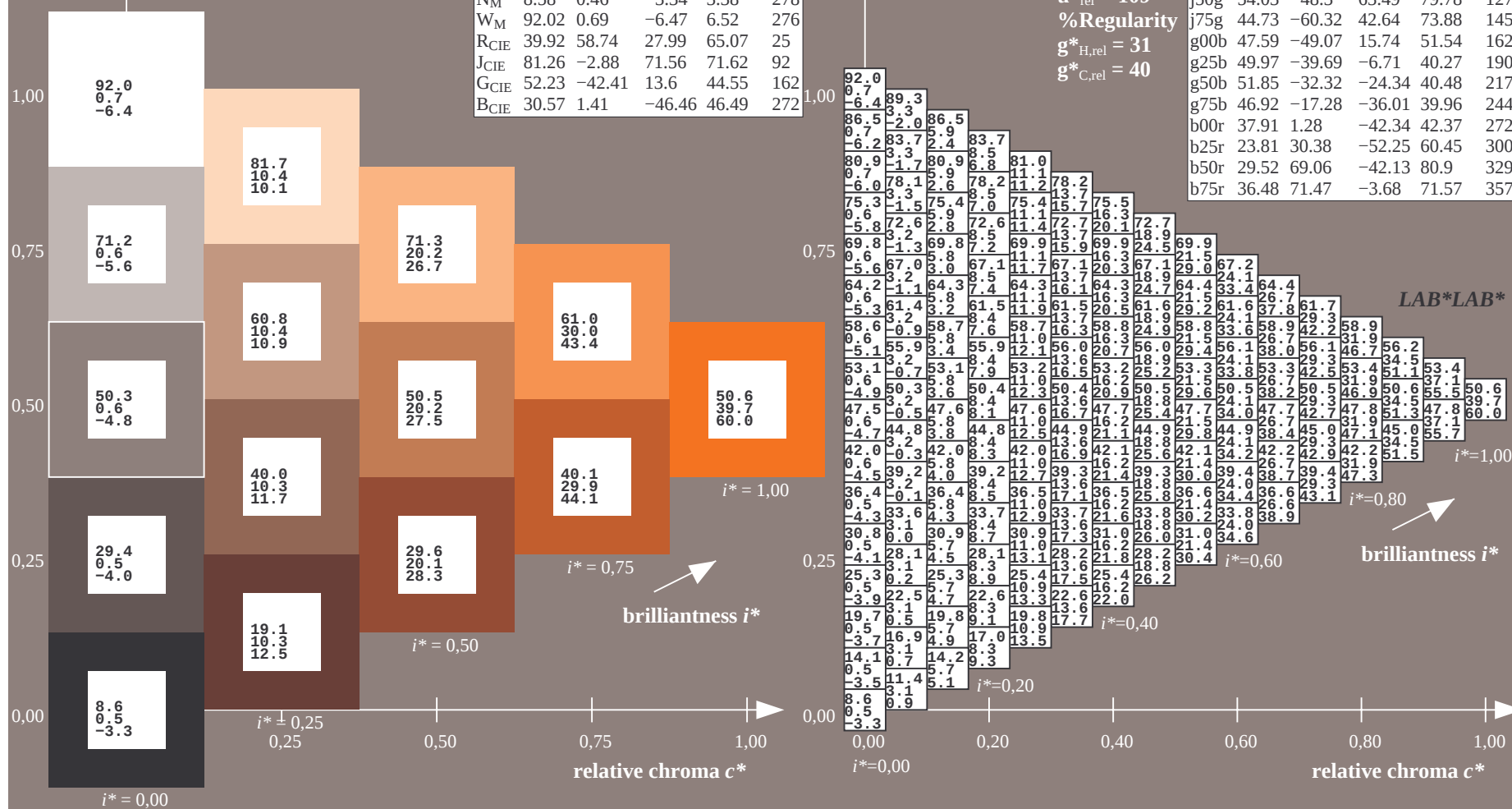
%Regularity

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

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

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^*

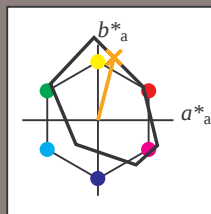
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

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

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

$u^* = r75j$

LAB^*LAB^*

	$L^*=L^*_a$	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^*

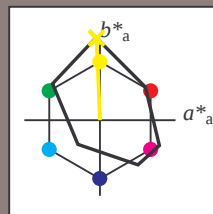
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

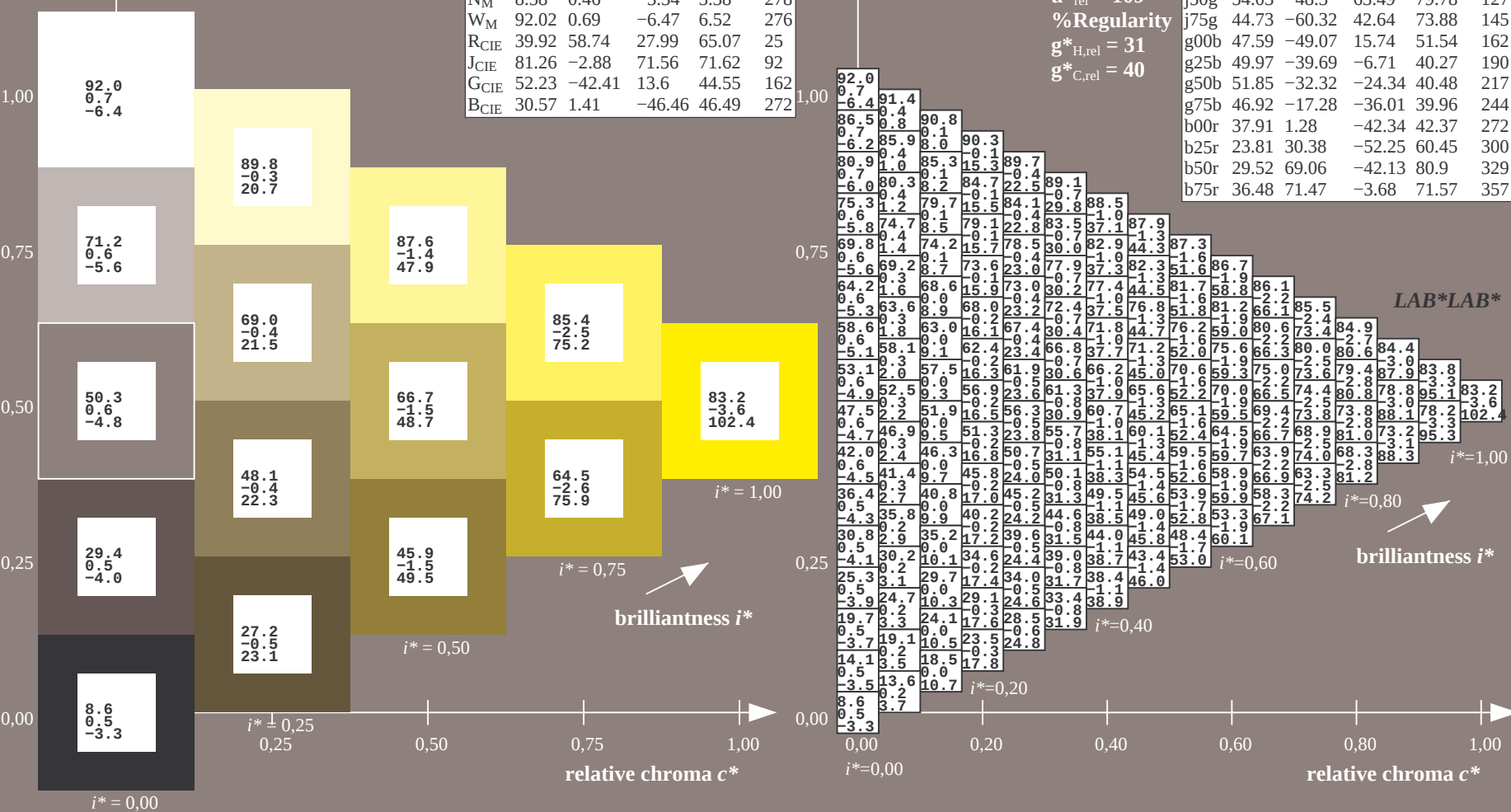
$u^*_{rel} = 109$

%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^*

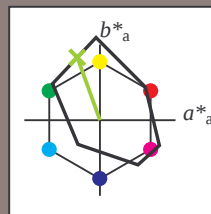
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

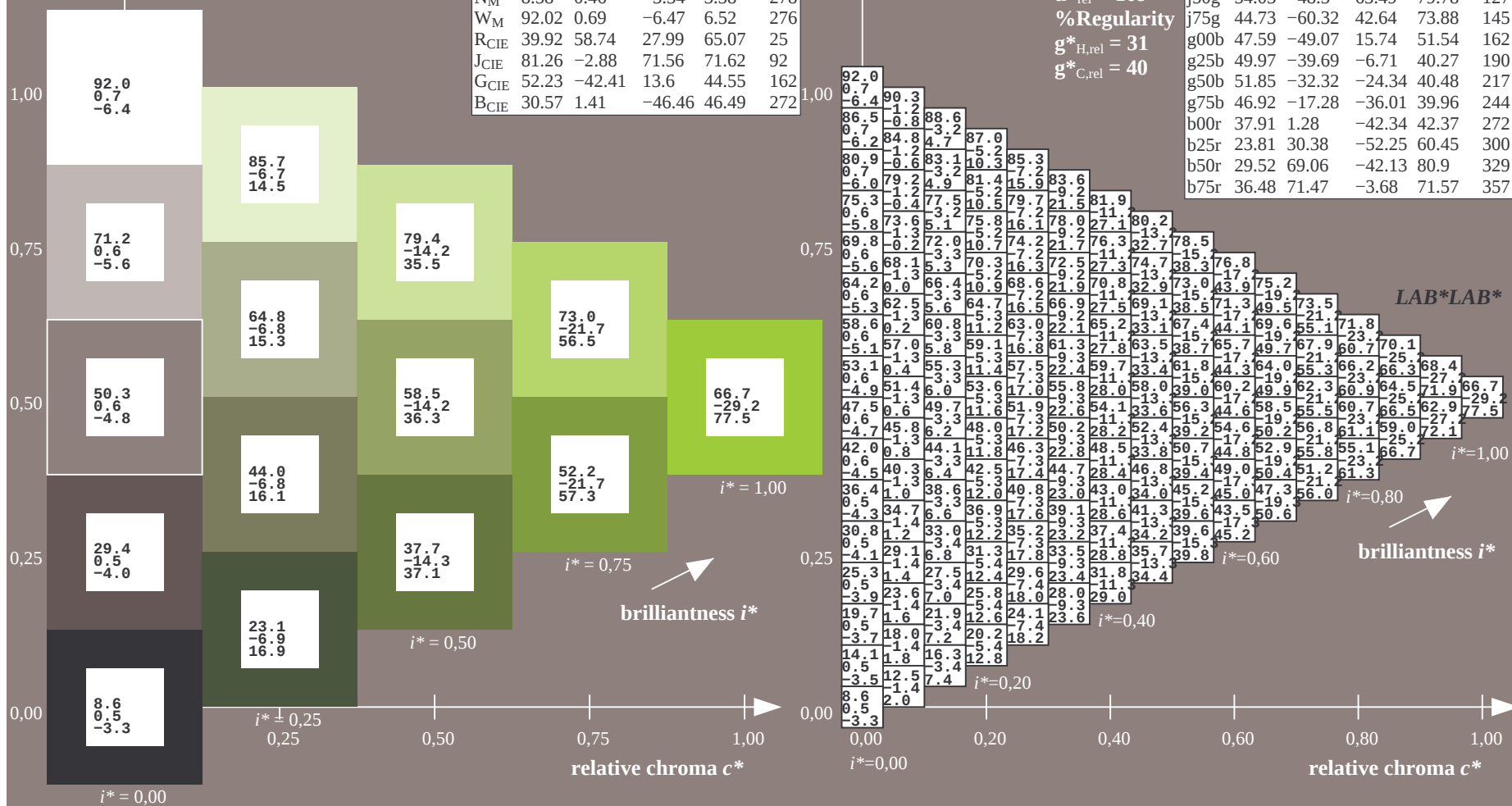
%Regularity

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

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

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^*

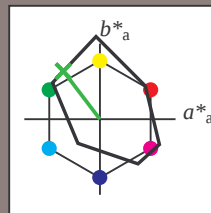
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

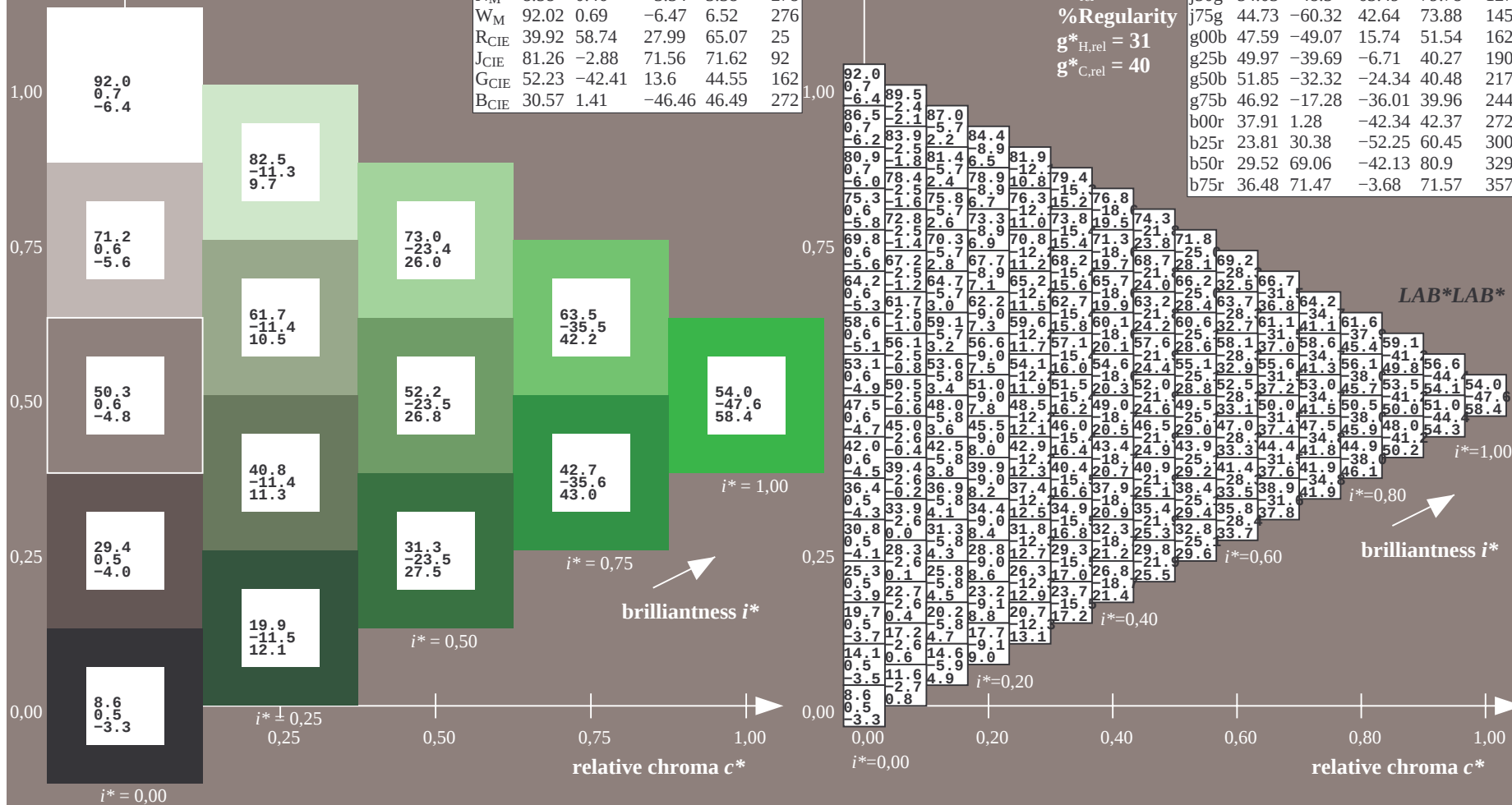
%Regularity

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

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

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^*

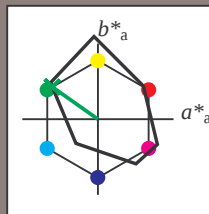
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

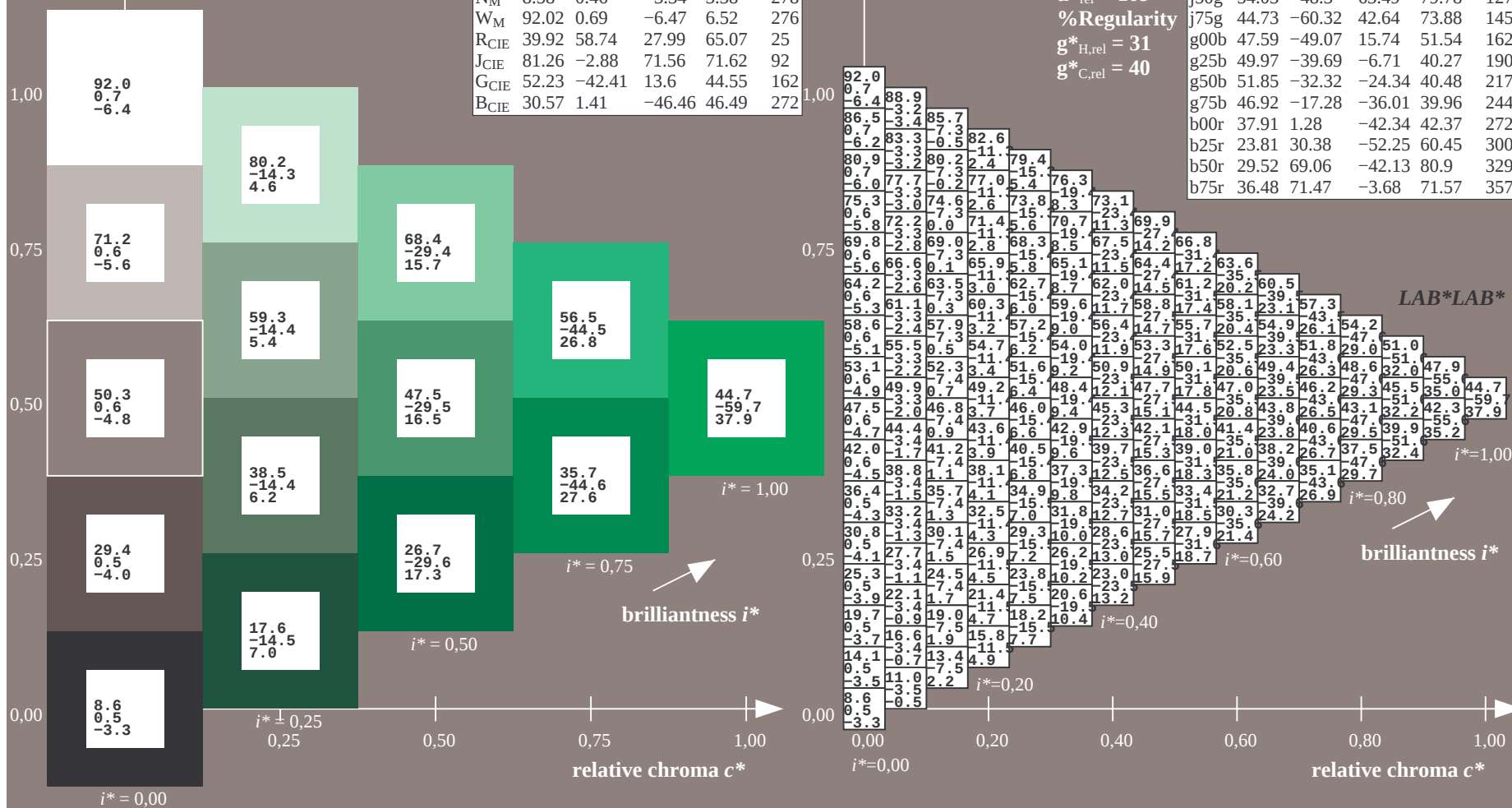
%Regularity

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

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

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^*

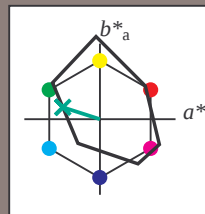
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

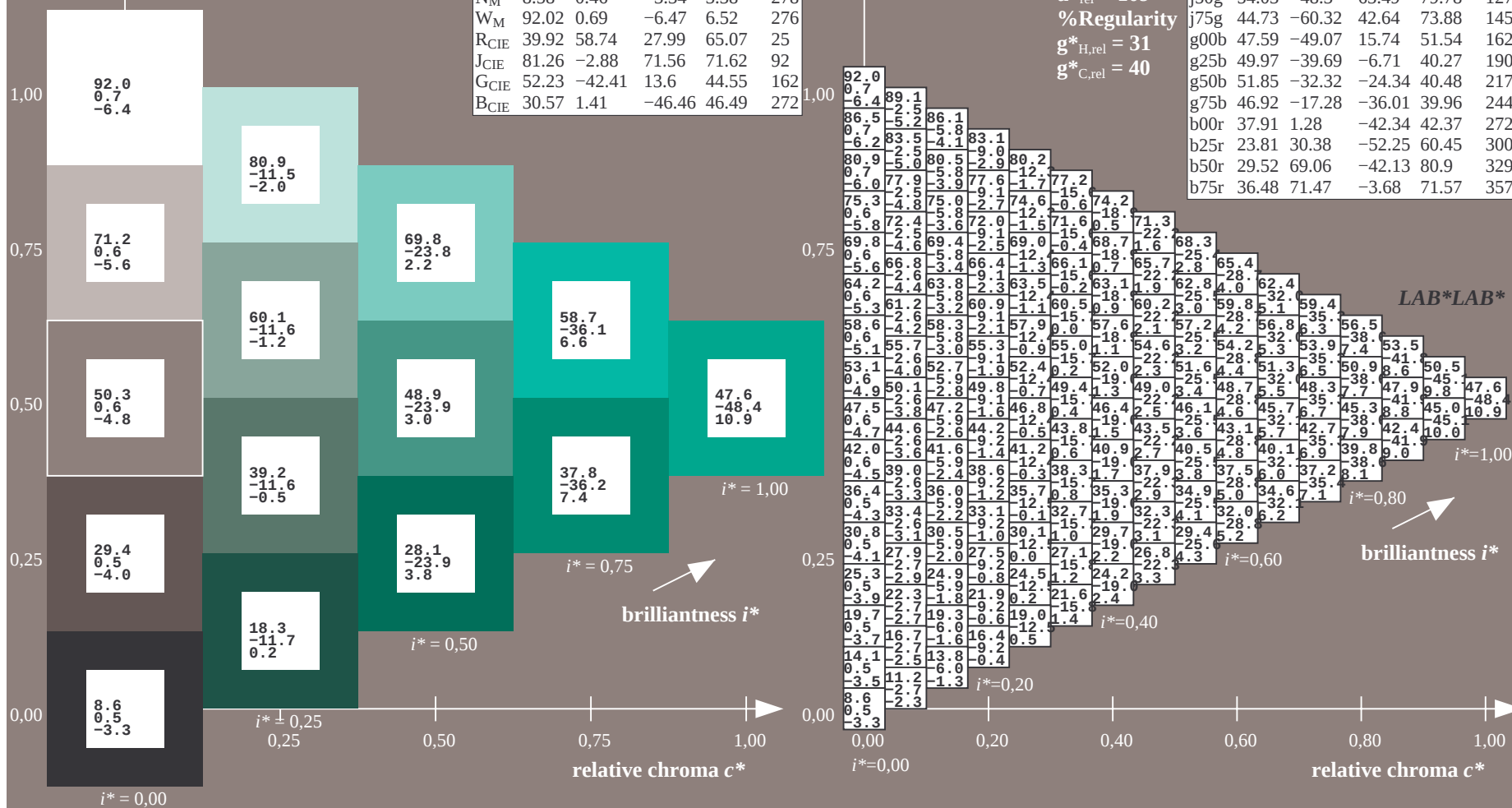
%Regularity

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

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

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^*

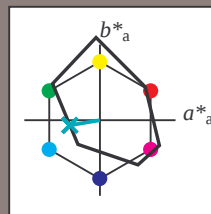
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

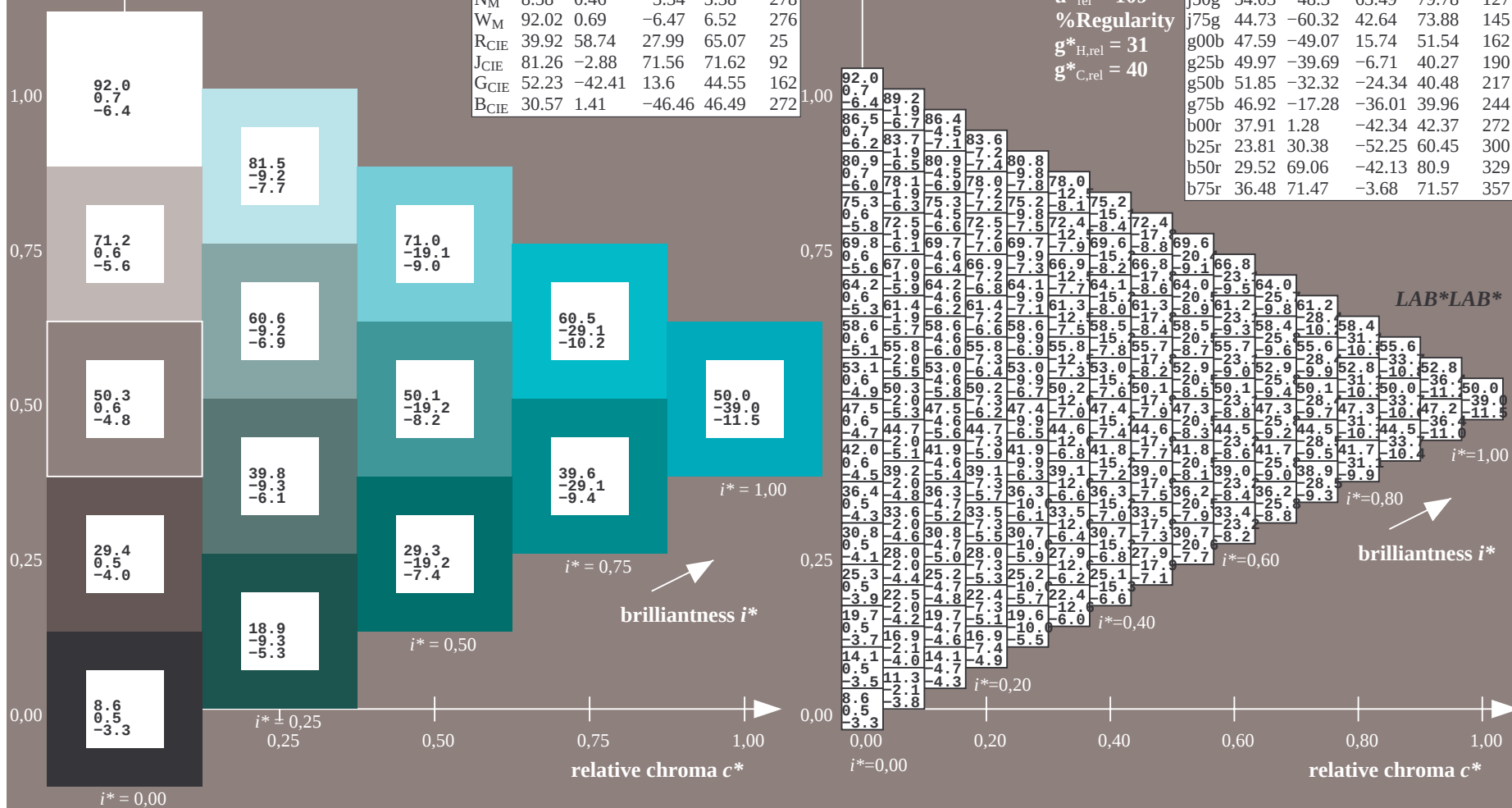
%Regularity

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

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

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	-48.83	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^*

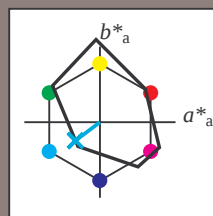
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

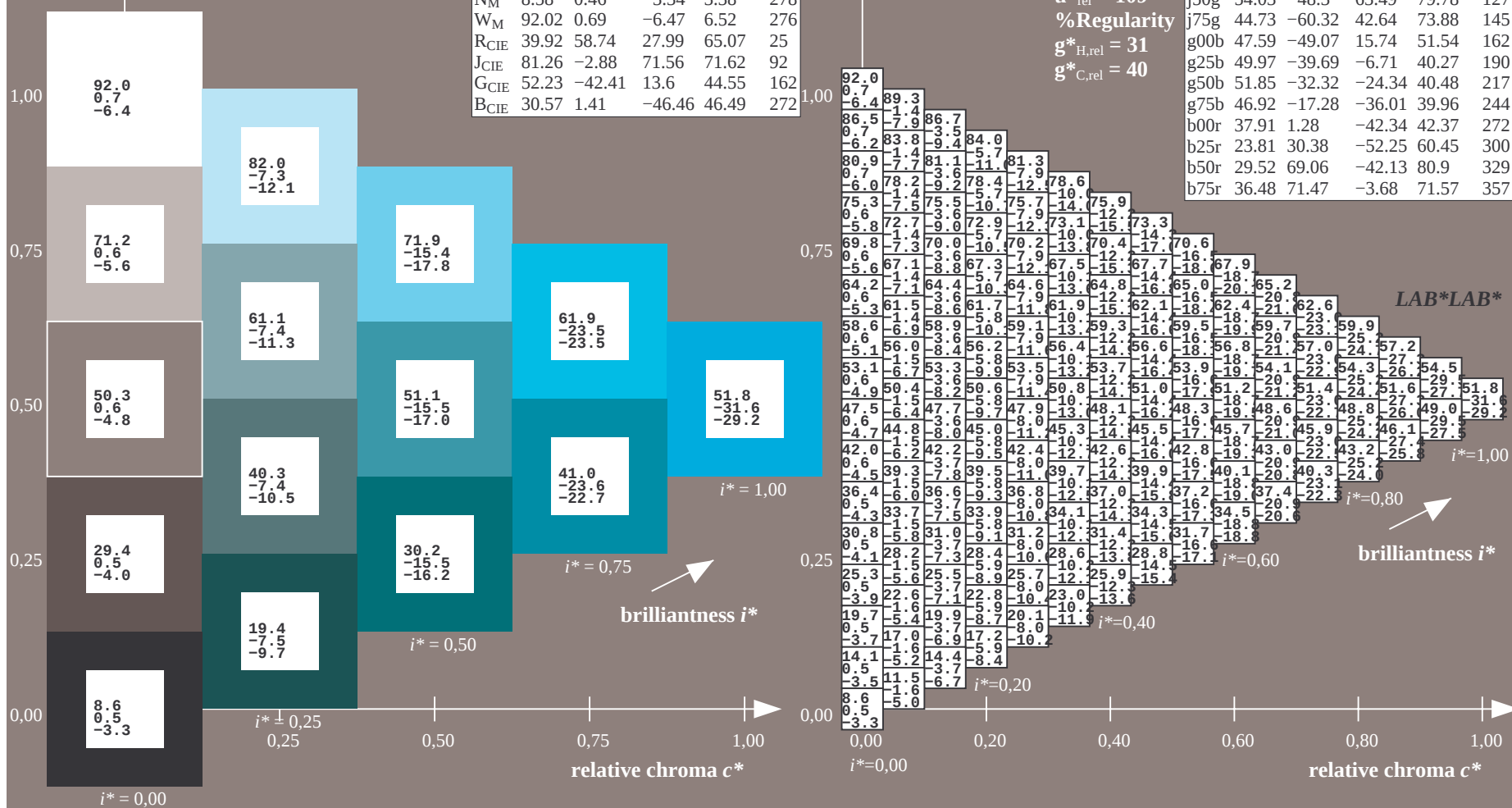
$u^*_{rel} = 109$

%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^*

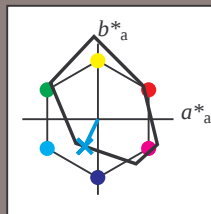
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

LAB^*LAB^*

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

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^*

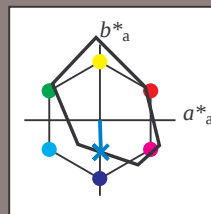
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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^*

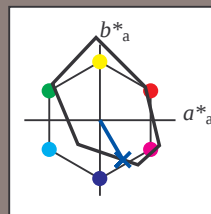
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

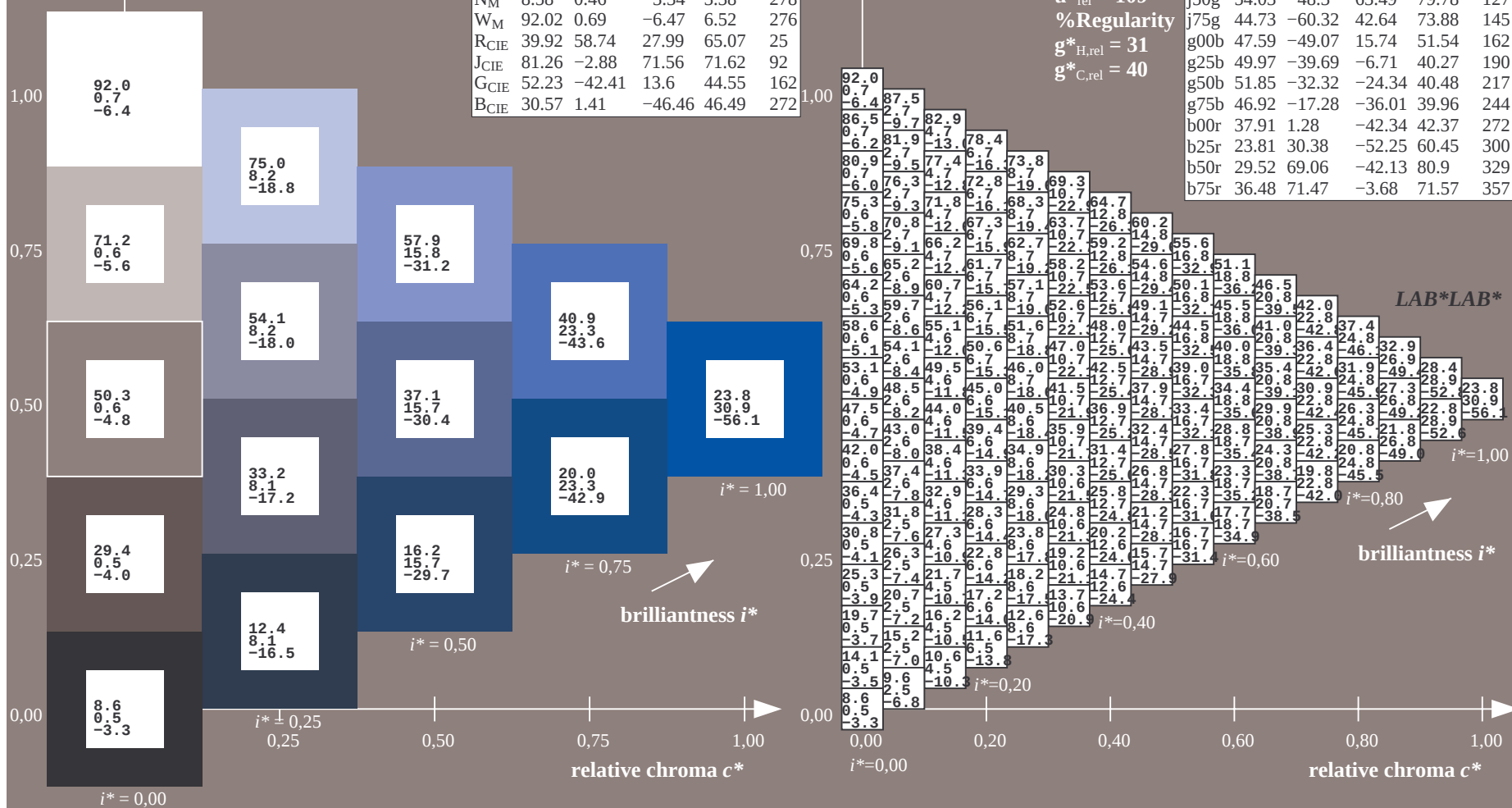
%Regularity

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

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

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^*

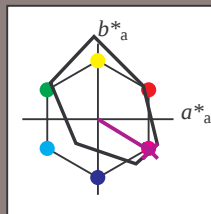
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

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

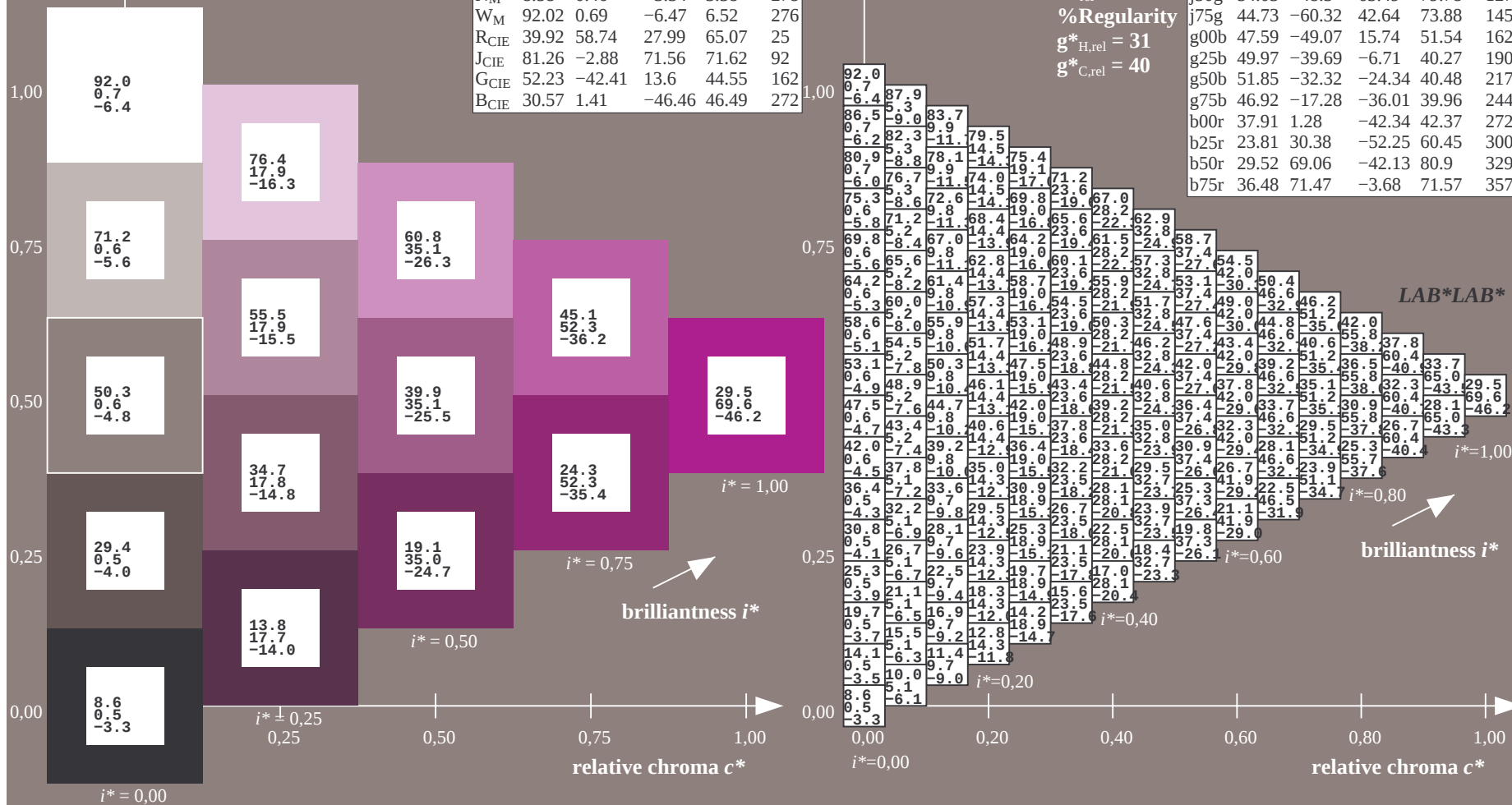
$g^*_{C,rel} = 40$

$u^* = b50r$

LAB^*LAB^*

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^*

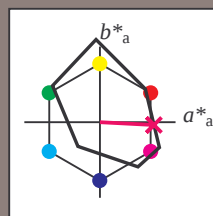
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

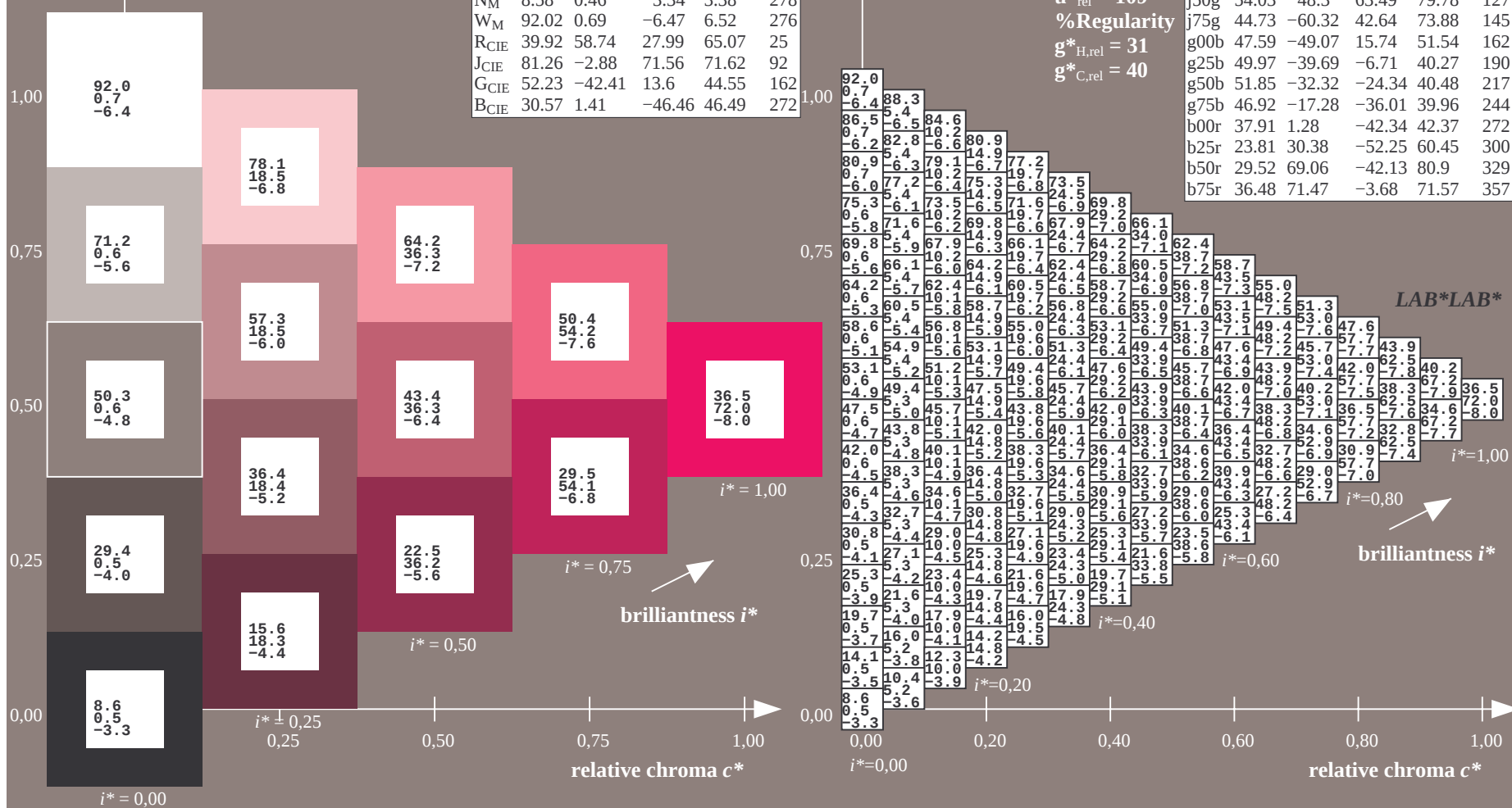
$u^*_{rel} = 109$

%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/De96/>; www.ps.bam.de/De96/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpx=0

BAM registration: 20080701-De96/10L/L96E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
01	8.6	13.0	17.5	21.9	26.4	30.8	35.2	39.7	44.1	48.5	52.9	57.3	61.7	66.1	70.5	74.9	79.3	83.7	88.1	92.5	96.9	101.3	105.7	110.1	114.5	118.9	123.3	127.7	132.1	136.5	140.9	145.3	149.7	154.1	158.5	162.9	167.3	171.7	176.1	180.5	184.9	189.3	193.7	198.1	202.5	206.9	211.3	215.7	220.1	224.5	228.9	233.3	237.7	242.1	246.5	250.9	255.3	259.7	264.1	268.5	272.9	277.3	281.7	286.1	290.5	294.9	299.3	303.7	308.1	312.5	316.9	321.3	325.7	330.1	334.5	338.9	343.3	347.7	352.1	356.5	360.9	365.3	369.7	374.1	378.5	382.9	387.3	391.7	396.1	400.5	404.9	409.3	413.7	418.1	422.5	426.9	431.3	435.7	440.1	444.5	448.9	453.3	457.7	462.1	466.5	470.9	475.3	479.7	484.1	488.5	492.9	497.3	501.7	506.1	510.5	514.9	519.3	523.7	528.1	532.5	536.9	541.3	545.7	550.1	554.5	558.9	563.3	567.7	572.1	576.5	580.9	585.3	589.7	594.1	598.5	602.9	607.3	611.7	616.1	620.5	624.9	629.3	633.7	638.1	642.5	646.9	651.3	655.7	660.1	664.5	668.9	673.3	677.7	682.1	686.5	690.9	695.3	699.7	704.1	708.5	712.9	717.3	721.7	726.1	730.5	734.9	739.3	743.7	748.1	752.5	756.9	761.3	765.7	770.1	774.5	778.9	783.3	787.7	792.1	796.5	800.9	805.3	809.7	814.1	818.5	822.9	827.3	831.7	836.1	840.5	844.9	849.3	853.7	858.1	862.5	866.9	871.3	875.7	880.1	884.5	888.9	893.3	897.7	902.1	906.5	910.9	915.3	919.7	924.1	928.5	932.9	937.3	941.7	946.1	950.5	954.9	959.3	963.7	968.1	972.5	976.9	981.3	985.7	990.1	994.5	998.9	1003.3	1007.7	1012.1	1016.5	1020.9	1025.3	1029.7	1034.1	1038.5	1042.9	1047.3	1051.7	1056.1	1060.5	1064.9	1069.3	1073.7	1078.1	1082.5	1086.9	1091.3	1095.7	1099.7	1104.1	1108.5	1112.9	1117.3	1121.7	1126.1	1130.5	1134.9	1139.3	1143.7	1148.1	1152.5	1156.9	1161.3	1165.7	1170.1	1174.5	1178.9	1183.3	1187.7	1192.1	1196.5	1200.9	1205.3	1209.7	1214.1	1218.5	1222.9	1227.3	1231.7	1236.1	1240.5	1244.9	1249.3	1253.7	1258.1	1262.5	1266.9	1271.3	1275.7	1280.1	1284.5	1288.9	1293.3	1297.7	1302.1	1306.5	1310.9	1315.3	1319.7	1324.1	1328.5	1332.9	1337.3	1341.7	1346.1	1350.5	1354.9	1359.3	1363.7	1368.1	1372.5	1376.9	1381.3	1385.7	1390.1	1394.5	1398.9	1403.3	1407.7	1412.1	1416.5	1420.9	1425.3	1429.7	1434.1	1438.5	1442.9	1447.3	1451.7	1456.1	1460.5	1464.9	1469.3	1473.7	1478.1	1482.5	1486.9	1491.3	1495.7	1500.1	1504.5	1508.9	1513.3	1517.7	1522.1	1526.5	1530.9	1535.3	1539.7	1544.1	1548.5	1552.9	1557.3	1561.7	1566.1	1570.5	1574.9	1579.3	1583.7	1588.1	1592.5	1596.9	1601.3	1605.7	1610.1	1614.5	1618.9	1623.3	1627.7	1632.1	1636.5	1640.9	1645.3	1649.7	1654.1	1658.5	1662.9	1667.3	1671.7	1676.1	1680.5	1684.9	1689.3	1693.7	1698.1	1702.5	1706.9	1711.3	1715.7	1720.1	1724.5	1728.9	1733.3	1737.7	1742.1	1746.5	1750.9	1755.3	1759.7	1764.1	1768.5	1772.9	1777.3	1781.7	1786.1	1790.5	1794.9	1799.3	1803.7	1808.1	1812.5	1816.9	1821.3	1825.7	1830.1	1834.5	1838.9	1843.3	1847.7	1852.1	1856.5	1860.9	1865.3	1869.7	1874.1	1878.5	1882.9	1887.3	1891.7	1896.1	1900.5	1904.9	1909.3	1913.7	1918.1	1922.5	1926.9	1931.3	1935.7	1940.1	1944.5	1948.9	1953.3	1957.7	1962.1	1966.5	1970.9	1975.3	1979.7	1984.1	1988.5	1992.9	1997.3	2001.7	2006.1	2010.5	2014.9	2019.3	2023.7	2028.1	2032.5	2036.9	2041.3	2045.7	2050.1	2054.5	2058.9	2063.3	2067.7	2072.1	2076.5	2080.9	2085.3	2089.7	2094.1	2098.5	2102.9	2107.3	2111.7	2116.1	2120.5	2124.9	2129.3	2133.7	2138.1	2142.5	2146.9	2151.3	2155.7	2160.1	2164.5	2168.9	2173.3	2177.7	2182.1	2186.5	2190.9	2195.3	2199.7	2204.1	2208.5	2212.9	2217.3	2221.7	2226.1	2230.5	2234.9	2239.3	2243.7	2248.1	2252.5	2256.9	2261.3	2265.7	2270.1	2274.5	2278.9	2283.3	2287.7	2292.1	2296.5	2300.9	2305.3	2309.7	2314.1	2318.5	2322.9	2327.3	2331.7	2336.1	2340.5	2344.9	2349.3	2353.7	2358.1	2362.5	2366.9	2371.3	2375.7	2380.1	2384.5	2388.9	2393.3	2397.7	2402.1	2406.5	2410.9	2415.3	2419.7	2424.1	2428.5	2432.9	2437.3	2441.7	2446.1	2450.5	2454.9	2459.3	2463.7	2468.1	2472.5	2476.9	2481.3	2485.7	2490.1	2494.5	2498.9	2503.3	2507.7	2512.1	2516.5	2520.9	2525.3	2529.7	2534.1	2538.5	2542.9	2547.3	2551.7	2556.1	2560.5	2564.9	2569.3	2573.7	2578.1	2582.5	2586.9	2591.3	2595.7	2600.1	2604.5	2608.9	2613.3	2617.7	2622.1	2626.5	2630.9	2635.3	2639.7	2644.1	2648.5	2652.9	2657.3	2661.7	2666.1	2670.5	2674.9	2679.3	2683.7	2688.1	2692.5	2696.9	2701.3	2705.7	2710.1	2714.5	2718.9	2723.3	2727.7	2732.1	2736.5	2740.9	2745.3	2749.7	2754.1	2758.5	2762.9	2767.3	2771.7	2776.1	2780.5	2784.9	2789.3	2793.7	2798.1	2802.5	2806.9	2811.3	2815.7	2820.1	2824.5	2828.9	2833.3	2837.7	2842.1	2846.5	2850.9	2855.3	2859.7	2864.1	2868.5	2872.9	2877.3	2881.7	2886.1	2890.5	2894.9	2899.3	2903.7	2908.1	2912.5	2916.9	2921.3	2925.7	2930.1	2934.5	2938.9	2943.3	2947.7	2952.1	2956.5	2960.9	2965.3	2969.7	2974.1	2978.5	2982.9	2987.3	2991.7	2996.1	3000.5	3004.9	3009.3	3013.7	3018.1	3022.5	3026.9	3031.3	3035.7	3040.1	3044.5	3048.9	3053.3	3057.7	3062.1	3066.5	3070.9	3075.3	3079.7	3084.1	3088.5	3092.9	3097.3	3101.7	3106.1	3110.5	3114.9	3119.3	3123.7	3128.1	3132.5	3136.9	3141.3	3145.7	3150.1	3154.5	3158.9	3163.3	3167.7	3172.1	3176.5	3180.9	3185.3	3189.7	3194.1	3198.5	3202.9	3207.3	3211.7	3216.1	3220.5	3224.9	3229.3	3233.7	3238.1	3242.5	3246.9	3251.3	3255.7	3260.1	3264.5	3268.9	3273.3	3277.7	3282.1	3286.5	3290.9	3295.3	3299.7	3304.1	3308.5	3312.9	3317.3	3321.7	3326.1	3330.5	3334.9	3339.3	3343.7	3348.1	3352.5	3356.9	3361.3	3365.7	3370.1	3374.5	3378.9	3383.3	3387.7	3392.1	3396.5	3400.9	3405.3	3409.7	3414.1	3418.5	3422.9	3427.3	3431.7	3436.1	3440.5	3444.9	3449.3	3453.7	3458.1	3462.5	3466.9	3471.3	3475.7	3480.1	3484.5	3488.9	3493.3	3497.7	3502.1	3506.5	3510.9	3515.3	3519.7	3524.1	3528.5	3532.9	3537.3	3541.7	3546.1	3550.5	3554.9	3559.3	3563.7	3568.1	3572.5	3576.9	3581.3	3585.7	3590.1	3594.5	3598.9	3603.3	3607.7	3612.1	3616.5	3620.9	3625.3	3629.7	3634.1	3638.5	3642.9	3647.3	3651.7	3656.1	3660.5	3664.9	3669.3	3673.7	3678.1	3682.5	3686.9	3691.3	3695.7	3700.1	3704.5	3708.9	3713.3	3717.7	3722.1	3726.5	3730.9	3735.3	3739.7	3744.1	3748.5	3752.9	3757.3	3761.7	3766.1	3770.5	3774.9	3779.3	3783.7	3788.1	3792.5	3796.9	3801.3	3805.7	3810.1	3814.5	3818.9	3823.3	3827.7	3832.1	3836.5	3840.9	3845.3	3849.7	3854.1	3858.5	3862.9	3867.3	3871.7	3876.1	3880.5	3884.9	3889.3	3893.7	3898.1	3902.5	3906.9	3911.3	3915.7	3920.1	3924.5	3928.9	3933.3	3937.7	3942.1	3946.5	3950.9	3955.3	3959.7	3964.1	3968.5	3972.9	3977.3	3981.7	3986.1	3990.5	3994.9	3999.3	4003.7	4008.1	4012.5	4016.9	4021.3	4025.7	4030.1	4034.5	4038.9	4043.3	4047.7	4052.1	4056.5	4060.9	4065.3

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

$lab^{*}tch^{*}$ and $lab^{*}icu^{*}$

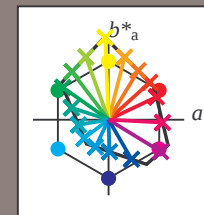
elementary hue text:

$u^{*} = 16$ 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

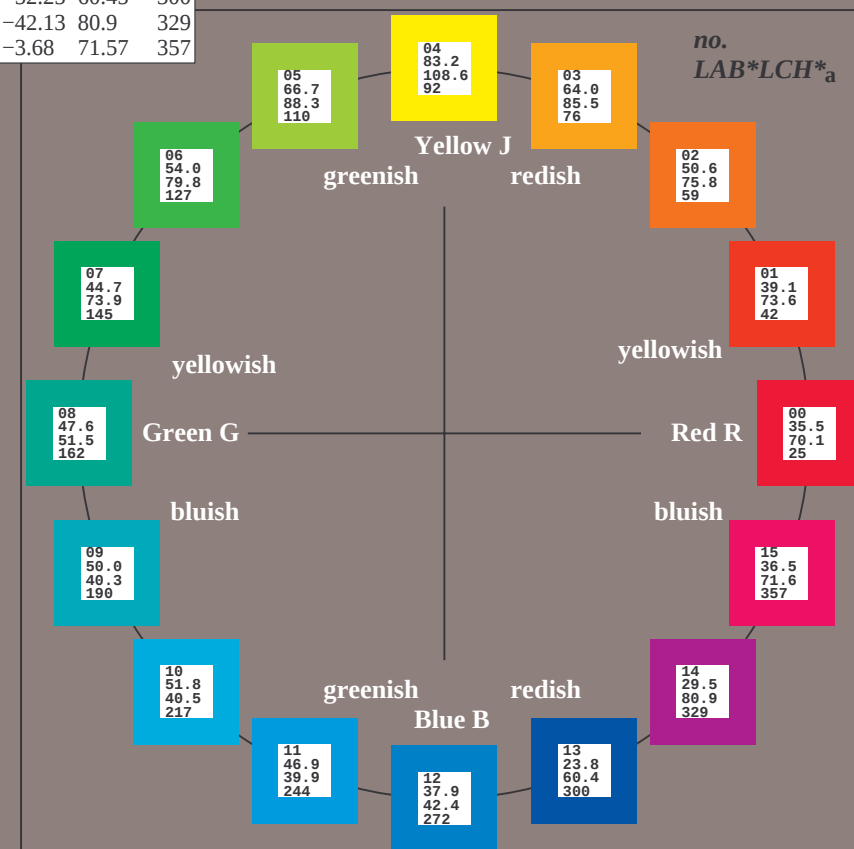
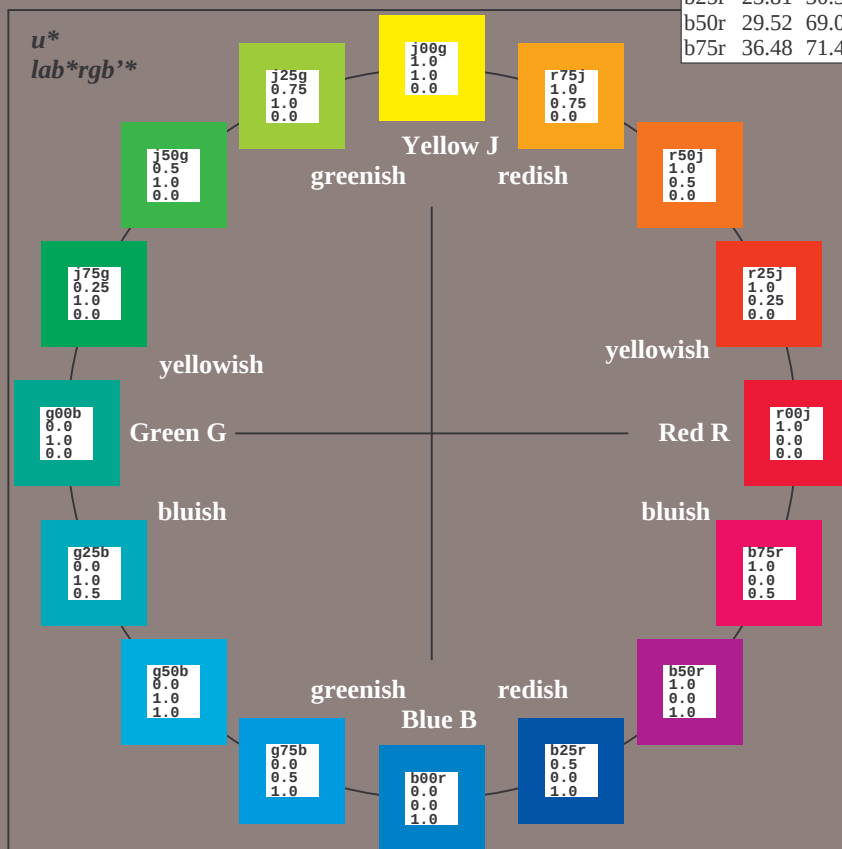
$u^{*}_{rel} = 109$

%Regularity

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

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

FRS09_92a; CIELAB data					
	$L^{*}=L^{*}$	a^{*}	b^{*}	C^{*}_{ab}	h^{*}_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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 $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

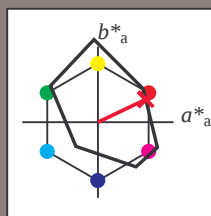
data for any colour:

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

elementary hue text:

$$u^* = r00j$$

contrast reduction factor:

 $c_D = 1.0$ triangle lightness t^* 

FRS90_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	-4.49	103.15	103.25	92
L_M	44.13	-62.1	43.56	75.86	145
C_M	52.66	-28.55	-36.98	46.73	232
V_M	14.15	50.78	-62.59	80.61	309
M_M	37.37	79.18	-37.92	87.8	334
N_M	8.58	0.46	-3.34	3.38	278
W_M	92.02	0.69	-6.47	6.52	276
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.88	71.56	71.62	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* M_0 : 35 63 30

LAB LAB	Ma.	55	65	50
LAB*LAB*		35	50	35

LAB*LCH*Ma: 35 70 2

lab*rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*

triangle rightness t

%Gamut

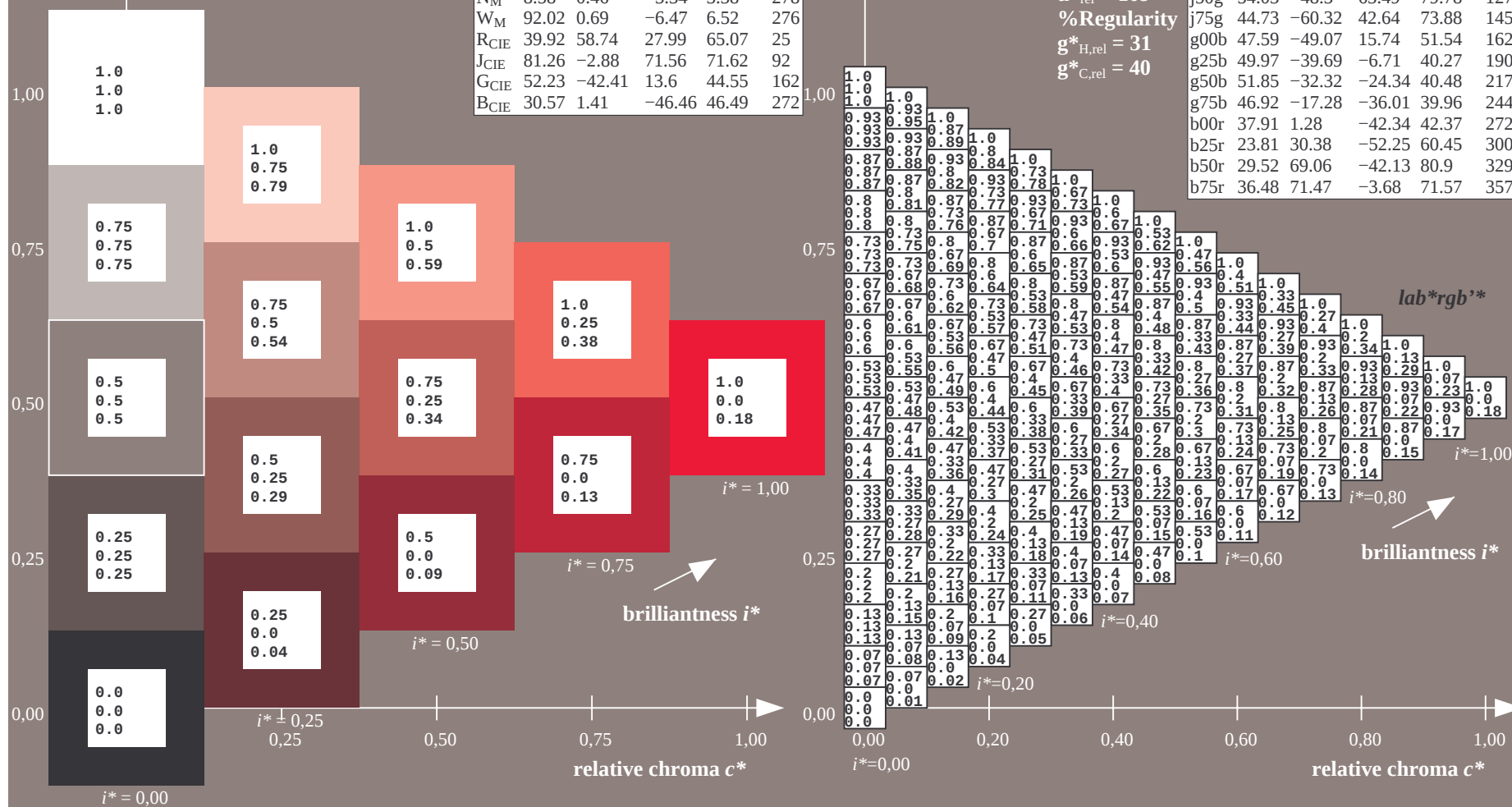
$$\mathbf{u}_{rel}^* = 109$$

%Regula

$$g_{\text{H,rel}}^* = 32$$
$$g^*_{C,rel} = 40$$
$$u^* = r00j$$

*lab*rgb***

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	25.5	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



BAM-test chart De96; Colorimetric systems, Page 146/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De96/10L/L96E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/De96/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

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

data for any colour:

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

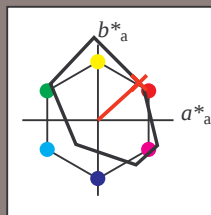
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

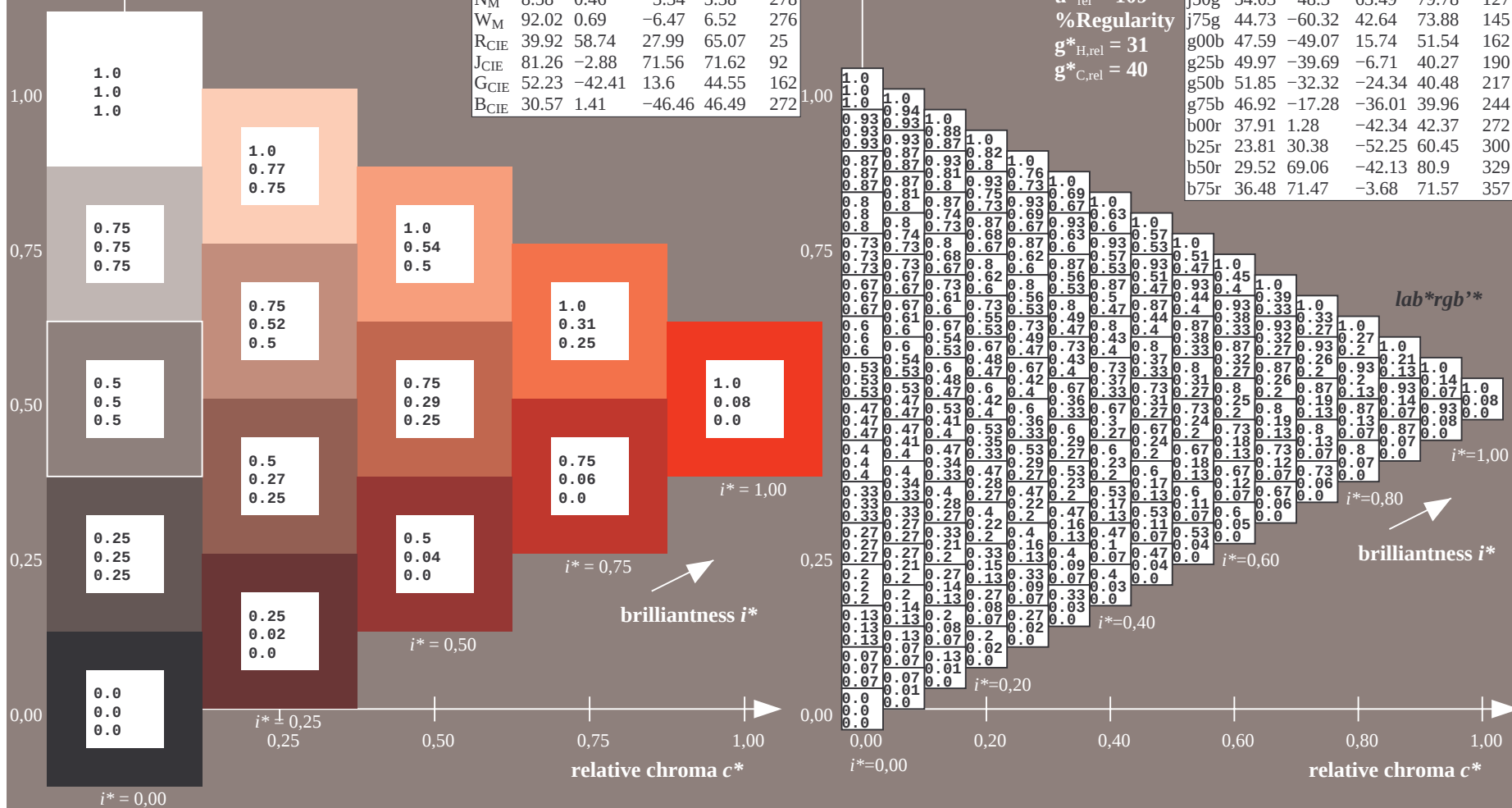
%Regularity

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

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

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 $h^* = lab \cdot h^* = h_{ab}/360 = 59/360 = 0.164$ data for any colour: Data for maximum colour (Ma):

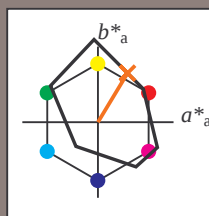
elementary hue text:

$$u^* = r50j$$

contrast reduction factor:

 $c_D = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.49	103.15	103.25	92	
L _M	44.13	-62.1	43.56	75.86	145	
C _M	52.66	-28.55	-36.98	46.73	232	
V _M	14.15	50.78	-62.59	80.61	309	
M _M	37.37	79.18	-37.92	87.8	334	
N _M	8.58	0.46	-3.34	3.38	278	
W _M	92.02	0.69	-6.47	6.52	276	
R _{CIE}	39.92	58.74	27.99	65.07	25	
J _{CIE}	81.26	-2.88	71.56	71.62	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*M₃: 51 76 59

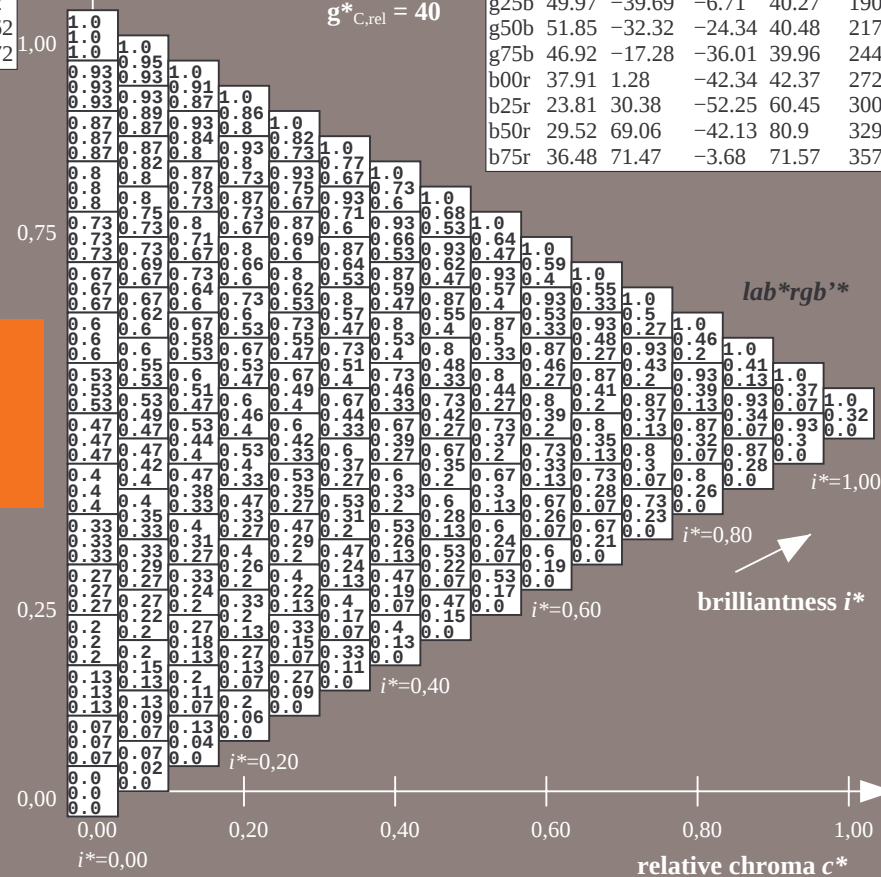
*lab*rag**M₂: 1.0 0.5 0.0

$$lab*oly*M_2: 1.0 \quad 0.32 \quad 0.0$$
triangle lightness t^*

%Gamut

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

%Regularity

$$g_{H,rel}^* = 31$$
brilliantness i^*

0.00 1.00

0,80 1,00

relative chroma c^*



BAM-test chart De96; Colorimetric systems, Page 148/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

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**

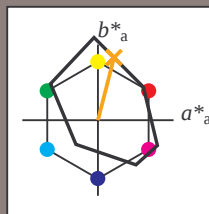
elementary hue text:

$$u^* = r75j$$

contrast reduction factor:

 $c_D = 1.0$

K
triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	233
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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* M_0 : 64 21 83

LAB*LGII* 64 26 50

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

*lab*rgb*_Ma: 1.0 0.7*

*lab*olv**Ma: 1.0 0.59

triangle lightness t^*

%Gamut

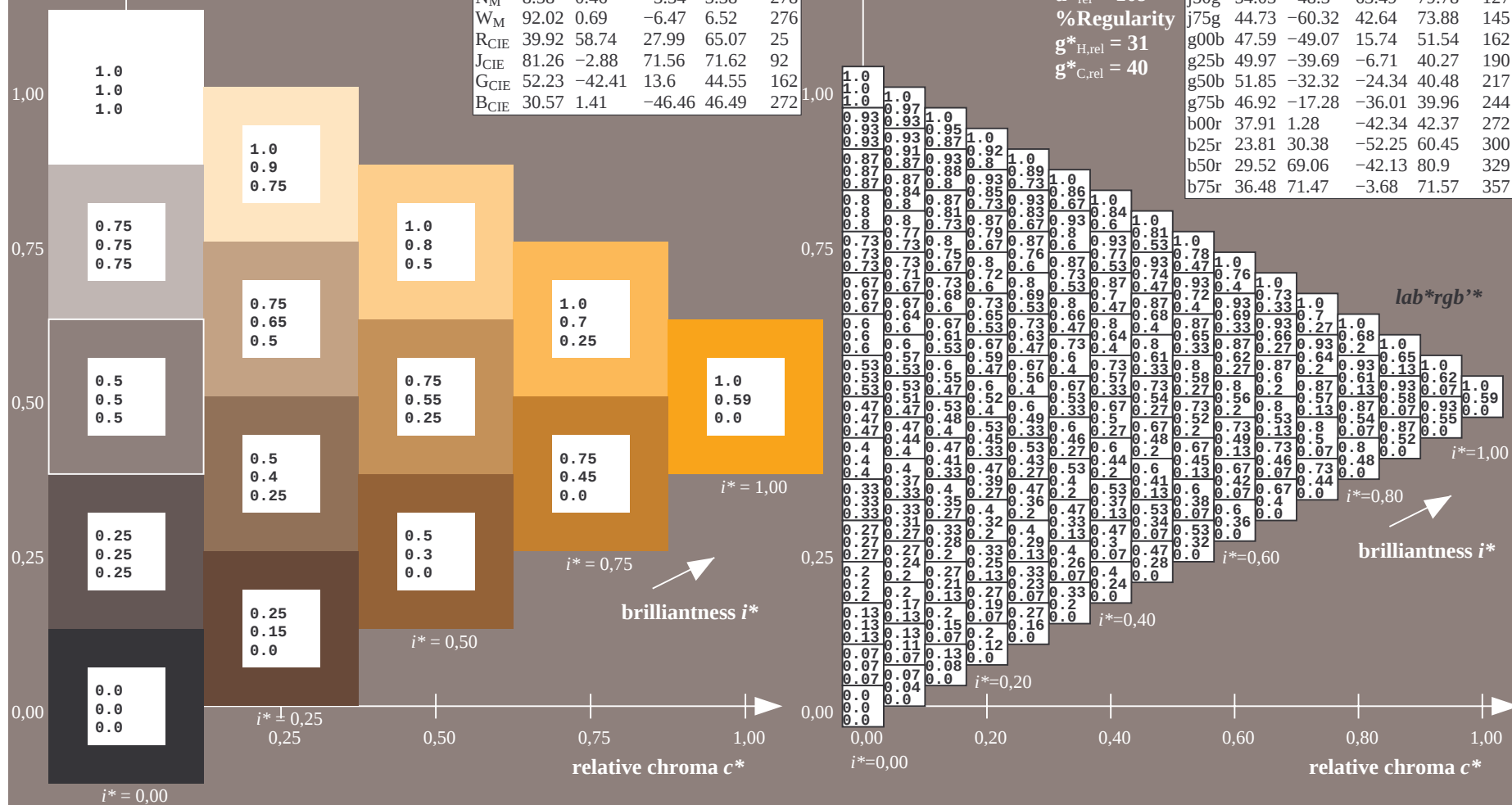
$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regularity

$$g^*_{H,rel} = 31$$
$$g^*_{C,rel} = 40$$
$$u^* = r75j$$

*lab*rgb***

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



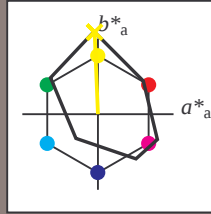
BAM-test chart De96; Colorimetric systems, Page 149/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De96/10L/L96E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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: Data for maximum colour (Ma):

*lab*tch** and *lab*icu**
 elementary hue text:
 $u^* = j00g$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^* = L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

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

%Regular

$$g^*_{H,rel} = 51$$

Figure 1: A 3D visualization of the CIE 1931 color space, showing the relationship between relative chroma c^* (x-axis, 0.00 to 1.00), relative luminance Y (y-axis, 0.00 to 1.00), and relative hue angle h^* (z-axis, 0.00 to 360 degrees). The plot shows a series of color patches arranged in a grid, with a color bar on the right indicating the corresponding color values. The patches are labeled with their respective Y , h^* , and c^* values. The color bar shows a gradient from blue to red, with a yellow patch at the bottom. The plot is titled "Figure 1" and includes a legend for the axes and color bar.

*lab*rgb**

$$i^*=1,00$$
brilliantness i^*

BAM-test chart De96; Colorimetric systems, Page 150/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De96/10L/L96E00NA.PS/.TXT BAM material: code=rh44a
- application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/De96/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

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

data for any colour:

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

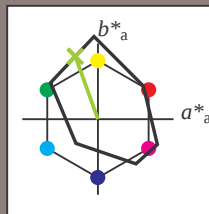
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

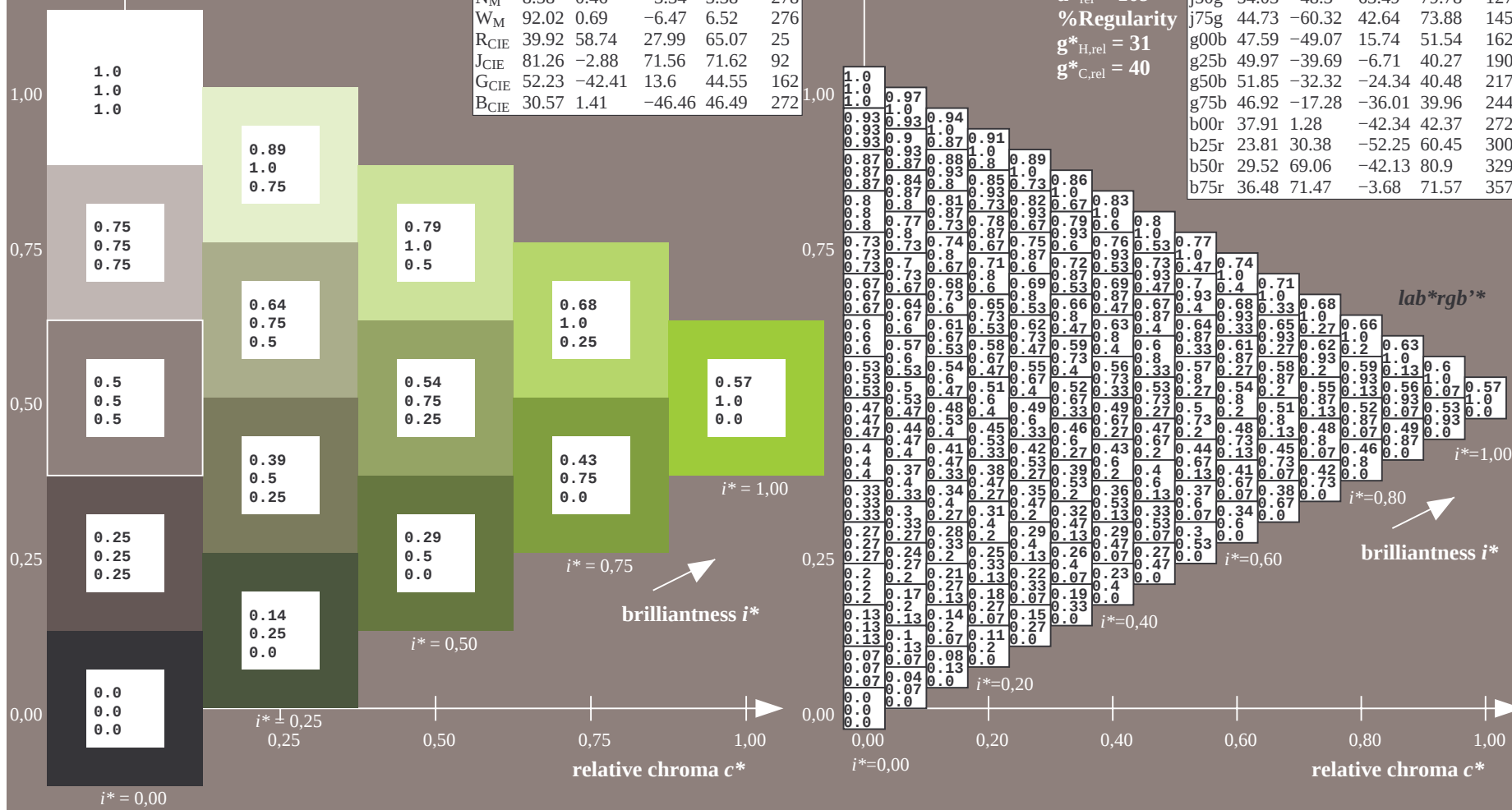
%Regularity

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

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

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^*

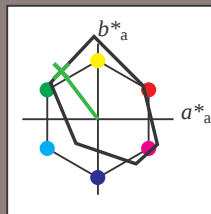
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

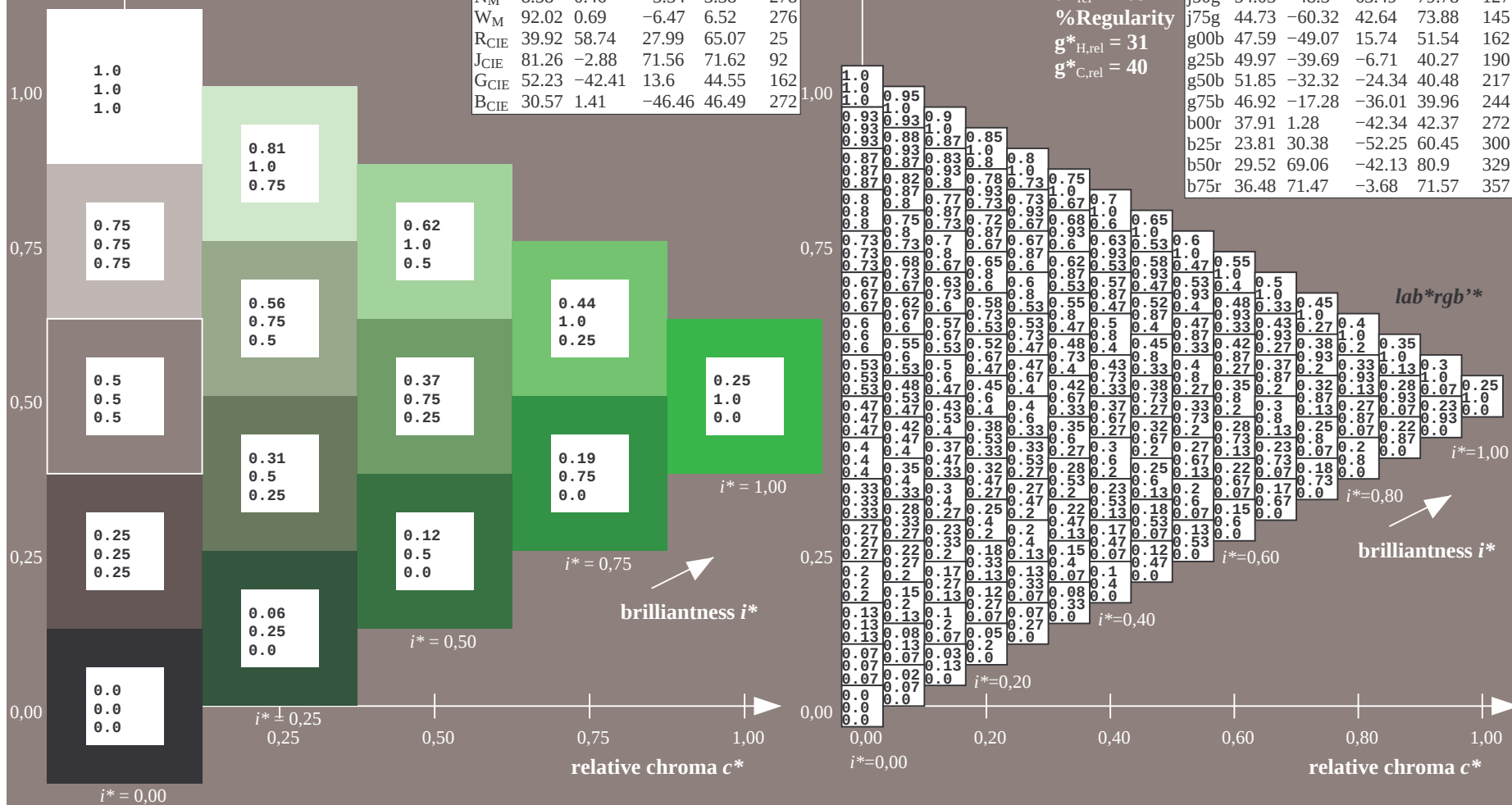
%Regularity

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

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

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^*

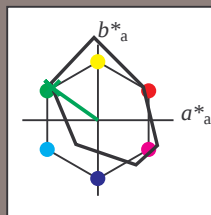
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

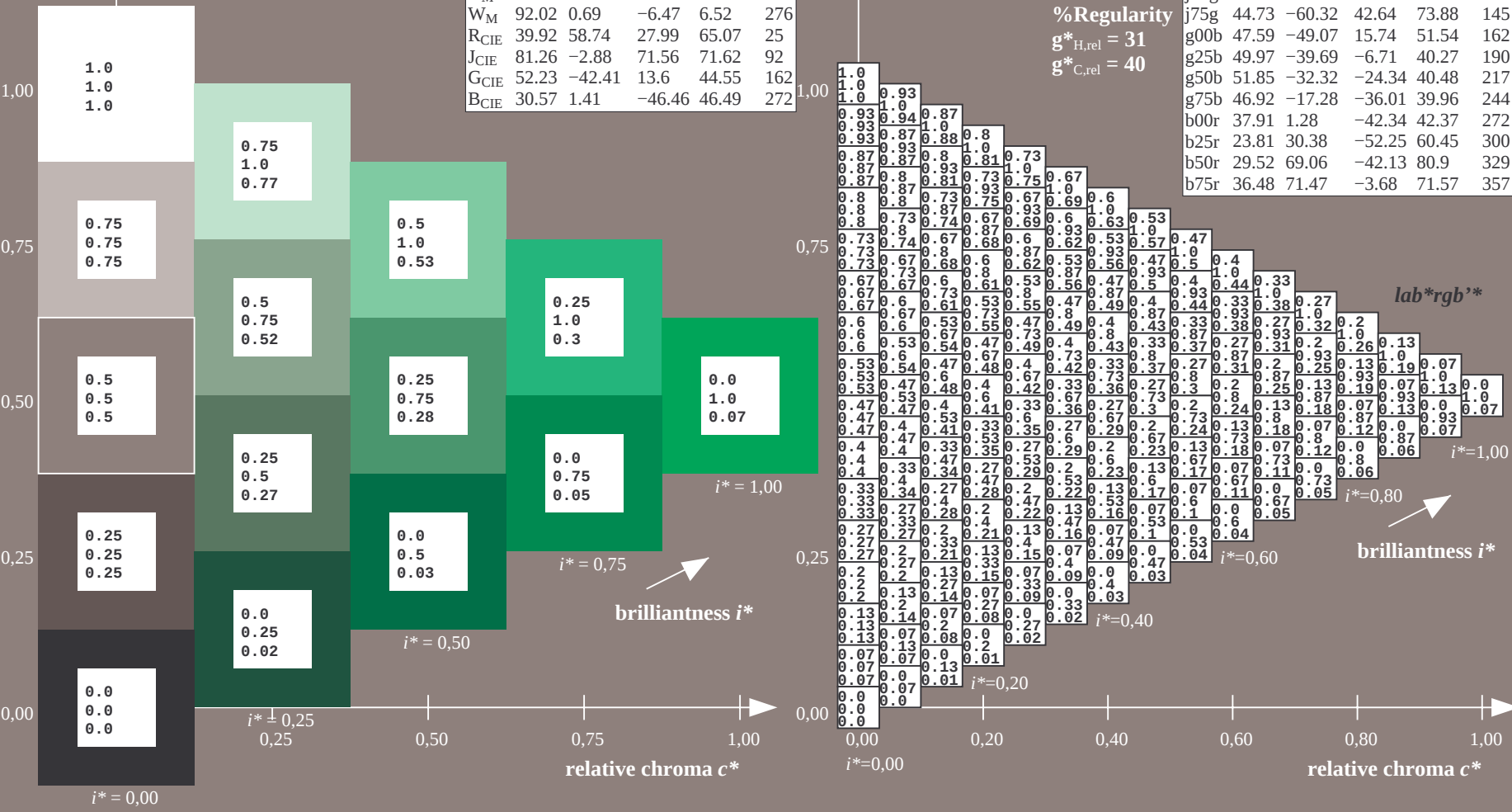
$u^*_{rel} = 109$

%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^*

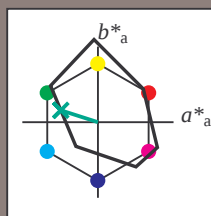
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

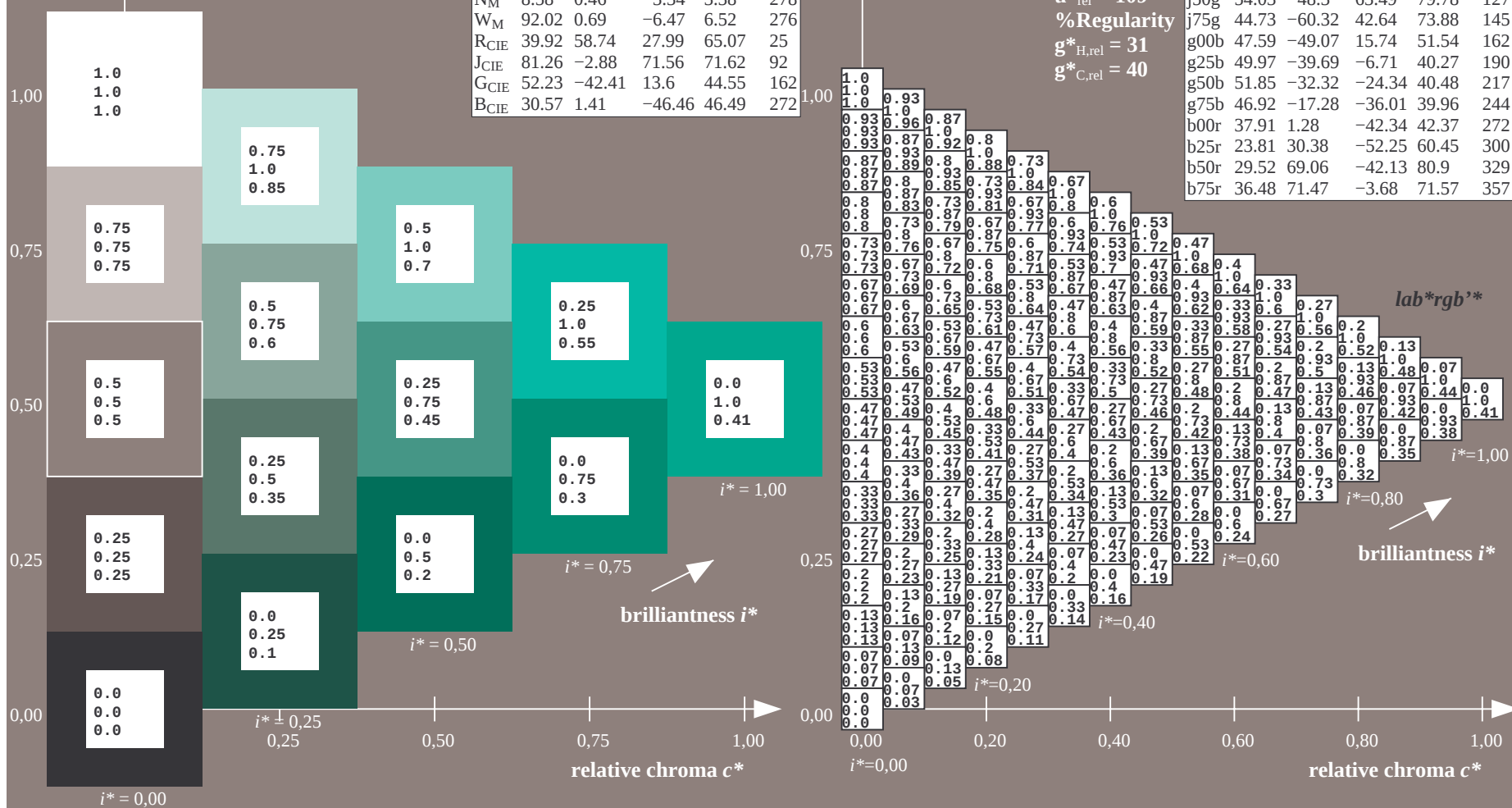
$u^*_{rel} = 109$

%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^*

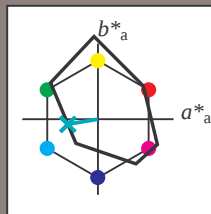
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

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^*

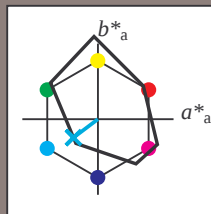
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

lab^*rgb^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

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^*

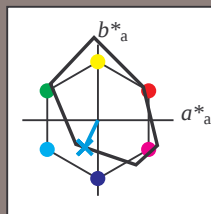
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

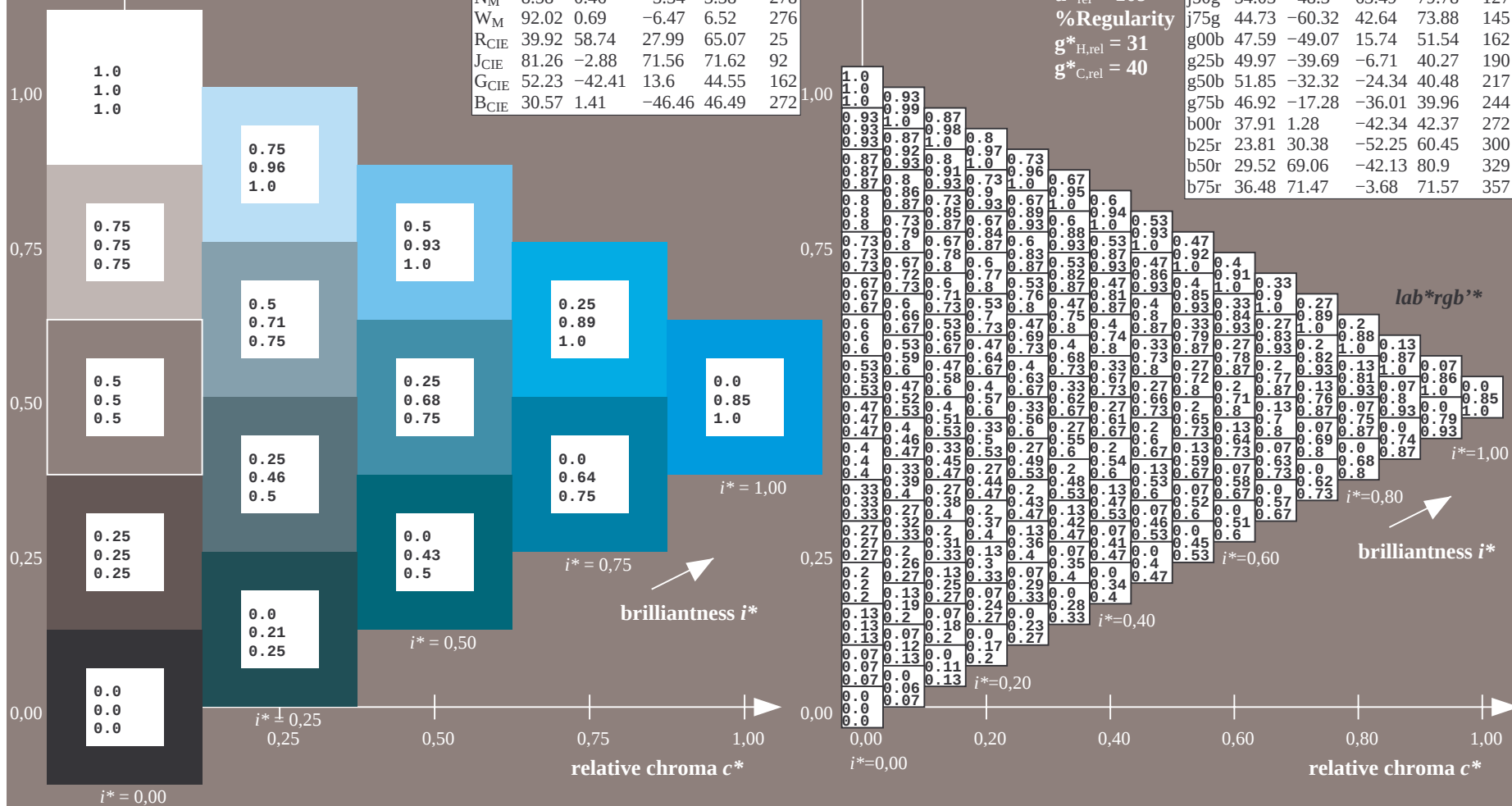
%Regularity

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

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

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^*

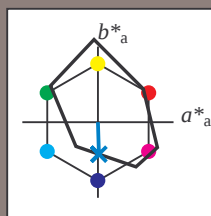
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

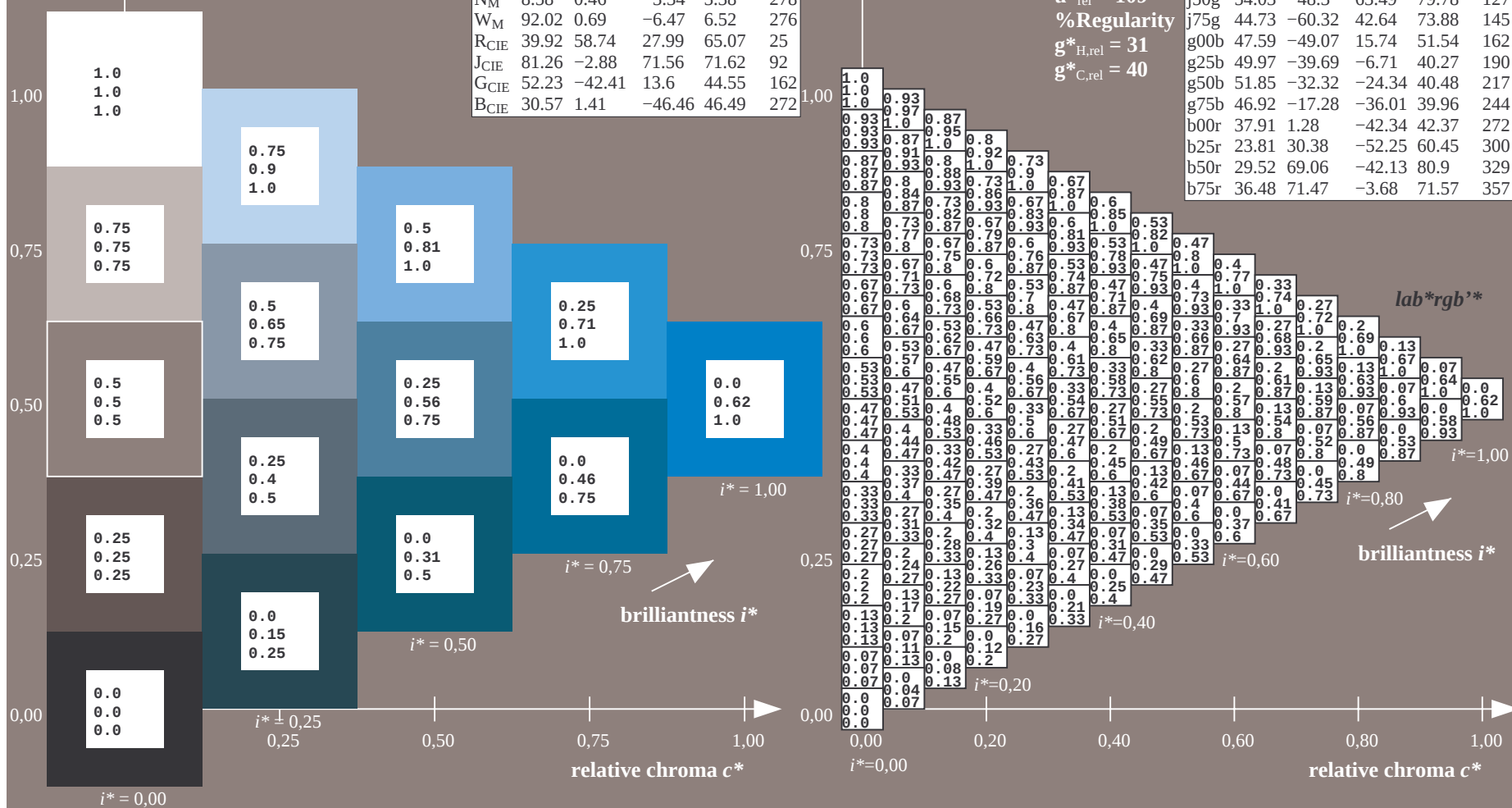
$u^*_{rel} = 109$

%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^*

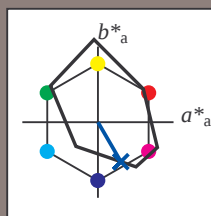
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

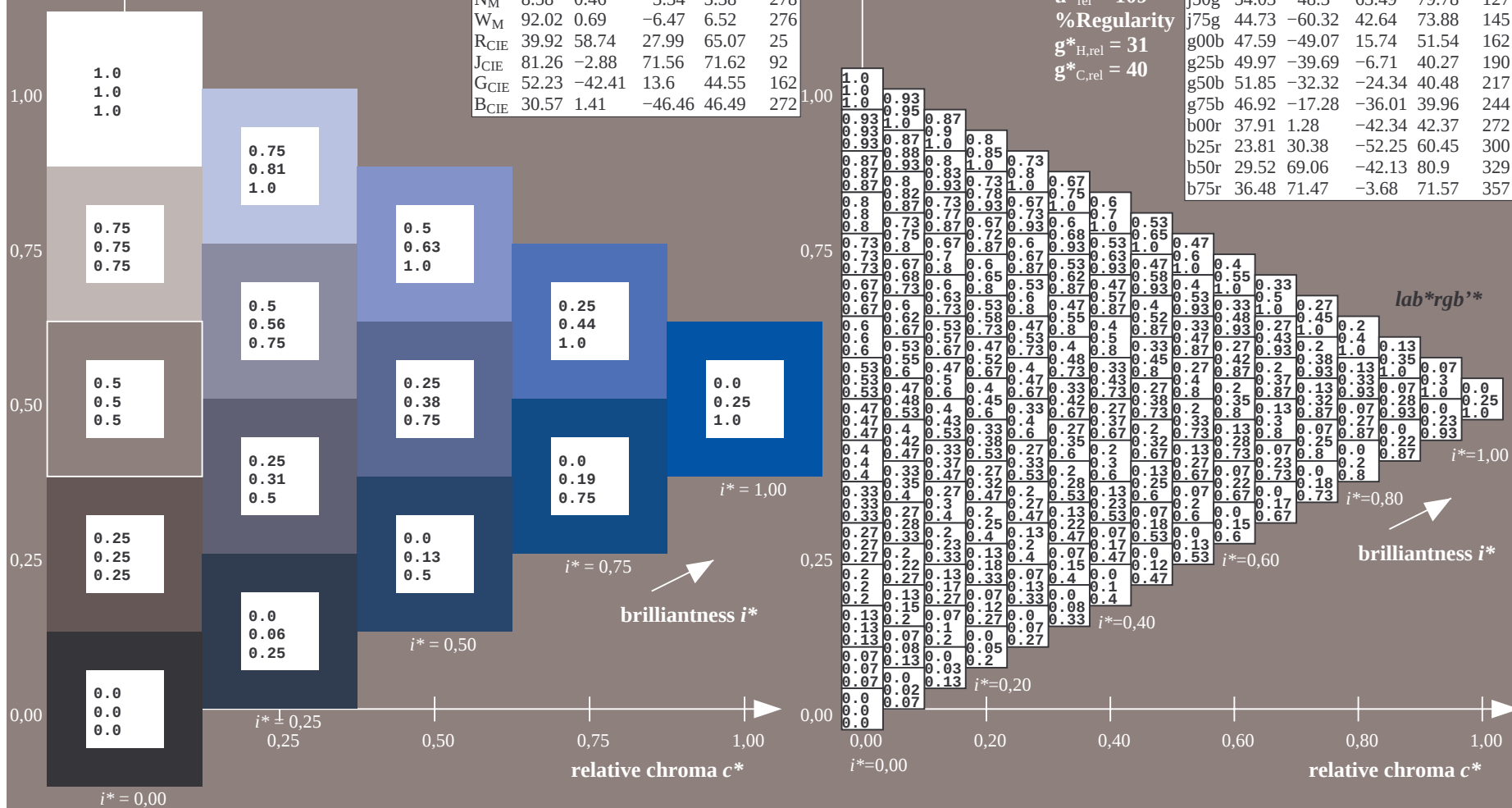
$u^*_{rel} = 109$

%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**

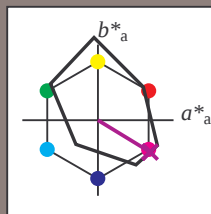
elementary hue text:

$$u^* = b50r$$

contrast reduction factor:

$$c_D = 1.0$$

R
triangle lightness t^*



FRS09_92a; CIELAB data						
	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37		33
Y _M	83.77	-4.49	103.15	103.25	92	94
L _M	44.13	-62.1	43.56	75.86		145
C _M	52.66	-28.55	-36.98	46.73		232
V _M	14.15	50.78	-62.59	80.61		309
M _M	37.37	79.18	-37.92	87.8		334
N _M	8.58	0.46	-3.34	3.38		278
W _M	92.02	0.69	-6.47	6.52		276
R _{CIE}	39.92	58.74	27.99	65.07		25
J _{CIE}	81.26	-2.88	71.56	71.62		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*_M: 30 69 -41

LAB*LGH* 30 01 220

LAB*LCH*Ma: 30 81 3

*lab*rgb*_Ma: 1.0 0.0 1.0*

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

triangle lightness t^*

triangle lightness t

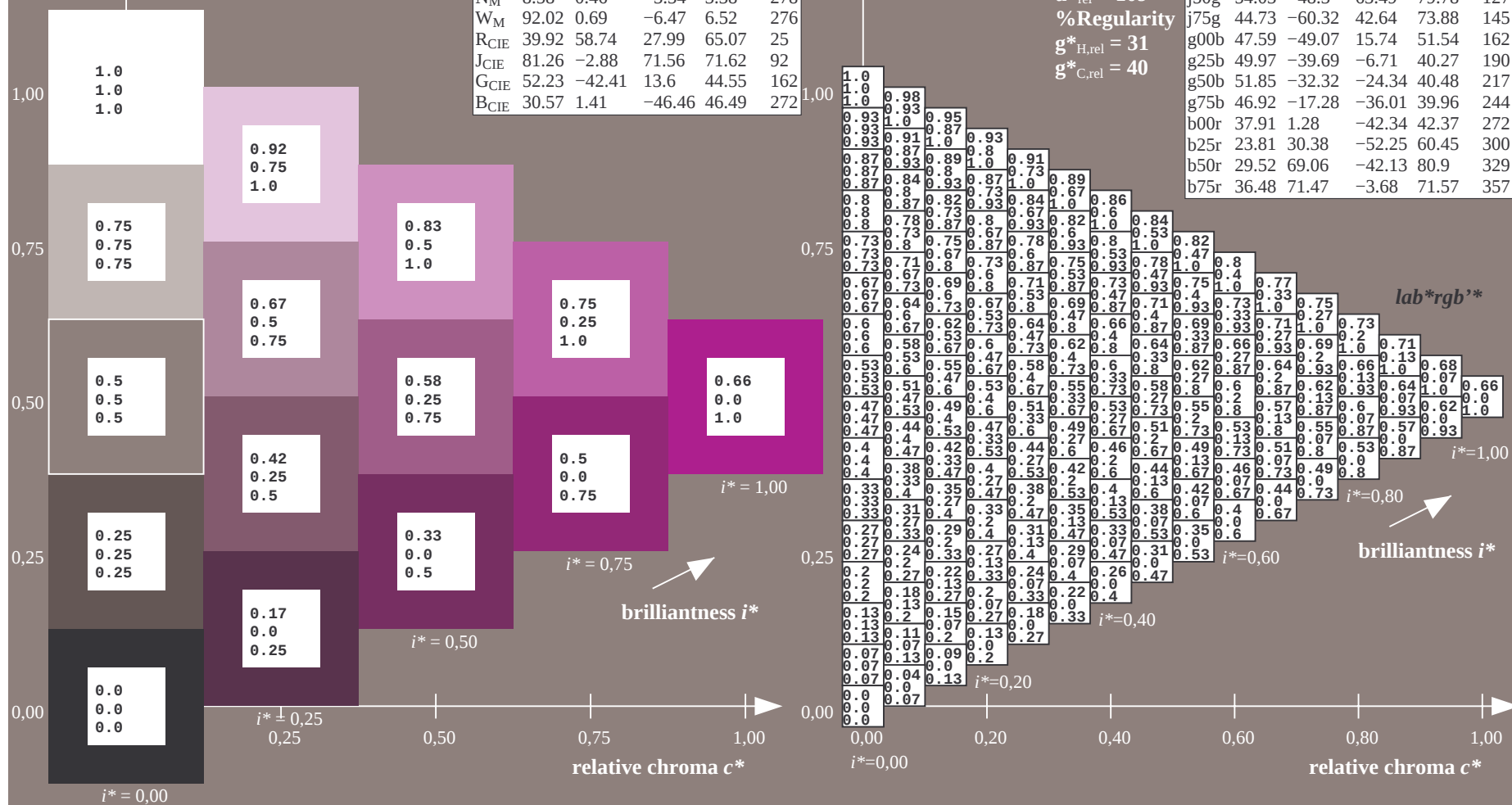
%Gamut

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

%Regula

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

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	



BAM-test chart De96; Colorimetric systems, Page 160/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De9610L/L96E00NA.PS/.TXT BAM material: code=rh4tat
+ application for evaluation and measurement of printer or monitor systems

—See for similar files: <http://www.ps.bam.de/De96/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

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

data for any colour:

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

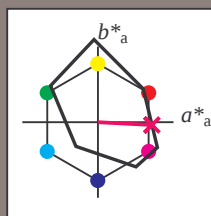
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

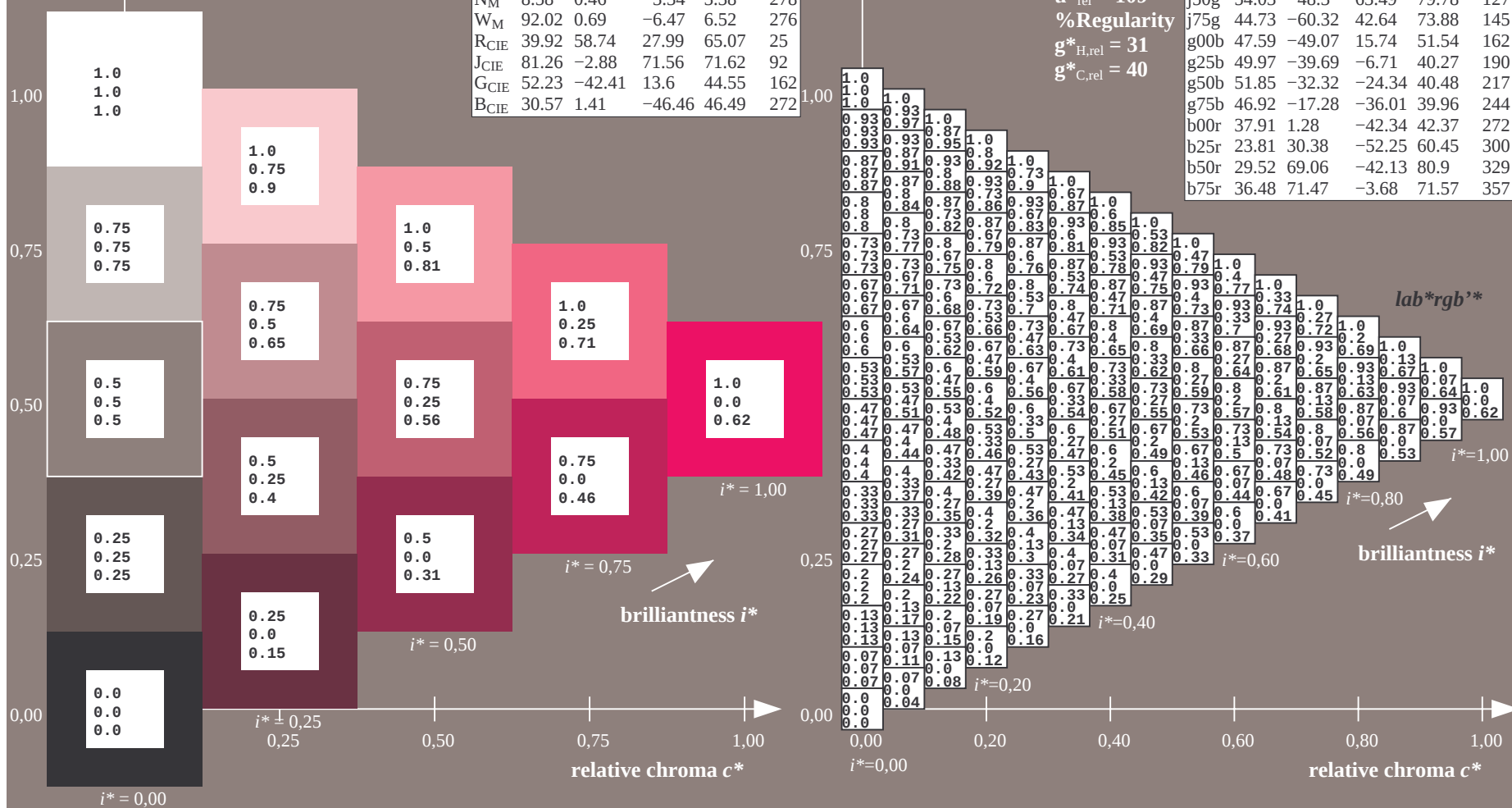
$u^*_{rel} = 109$

%Regularity

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

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

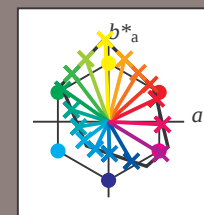
FRS09_92a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	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-De96/10/L/96E00NA.PS/.ITXI																																																																																																			
BAM material: code=rh4ta																																																																																																			
application for evaluation and measurement of printer or monitor systems																																																																																																			

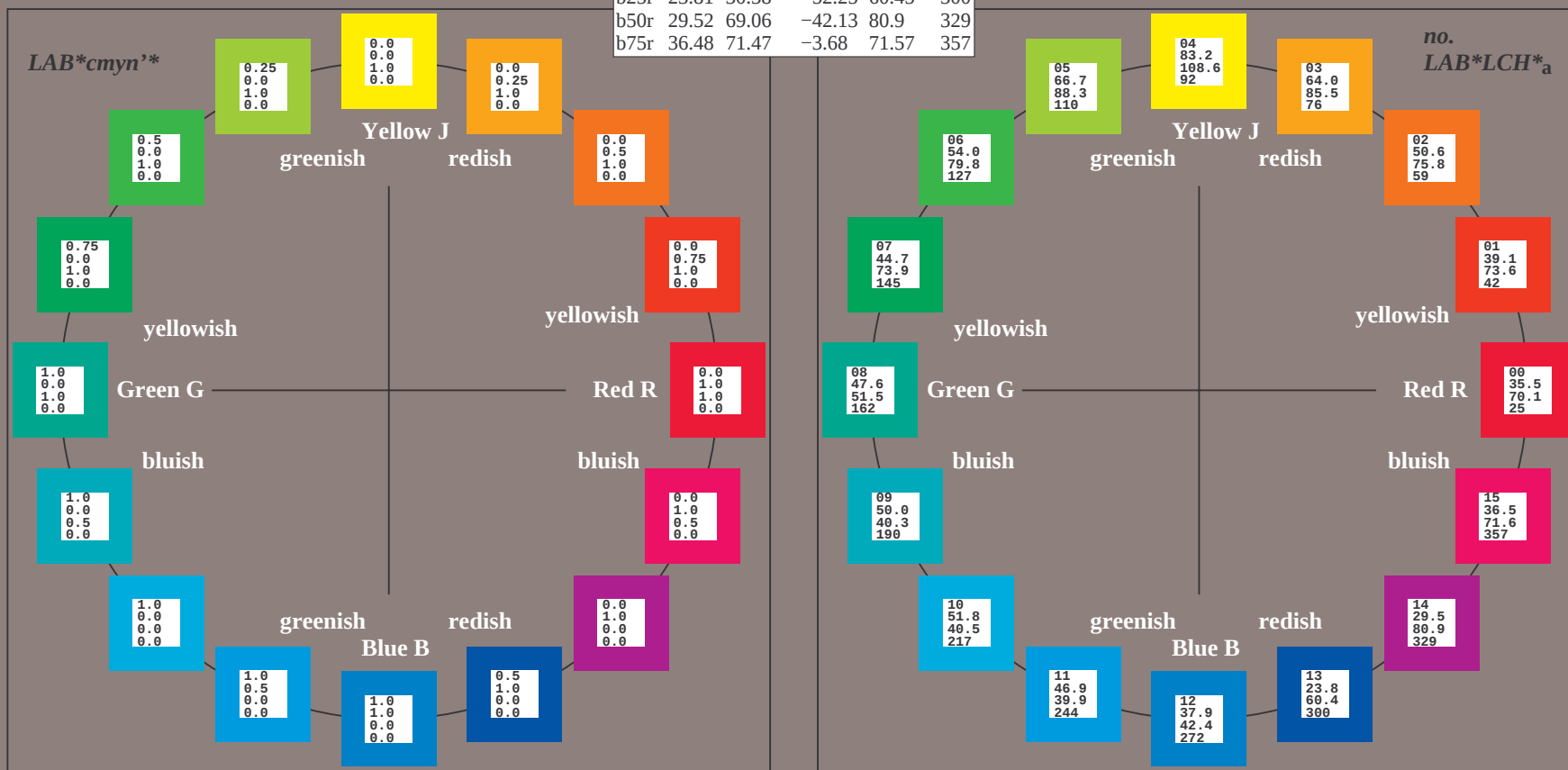
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
*lab***ch*** and lab***icu****
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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; CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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^*

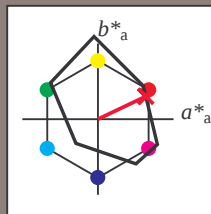
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

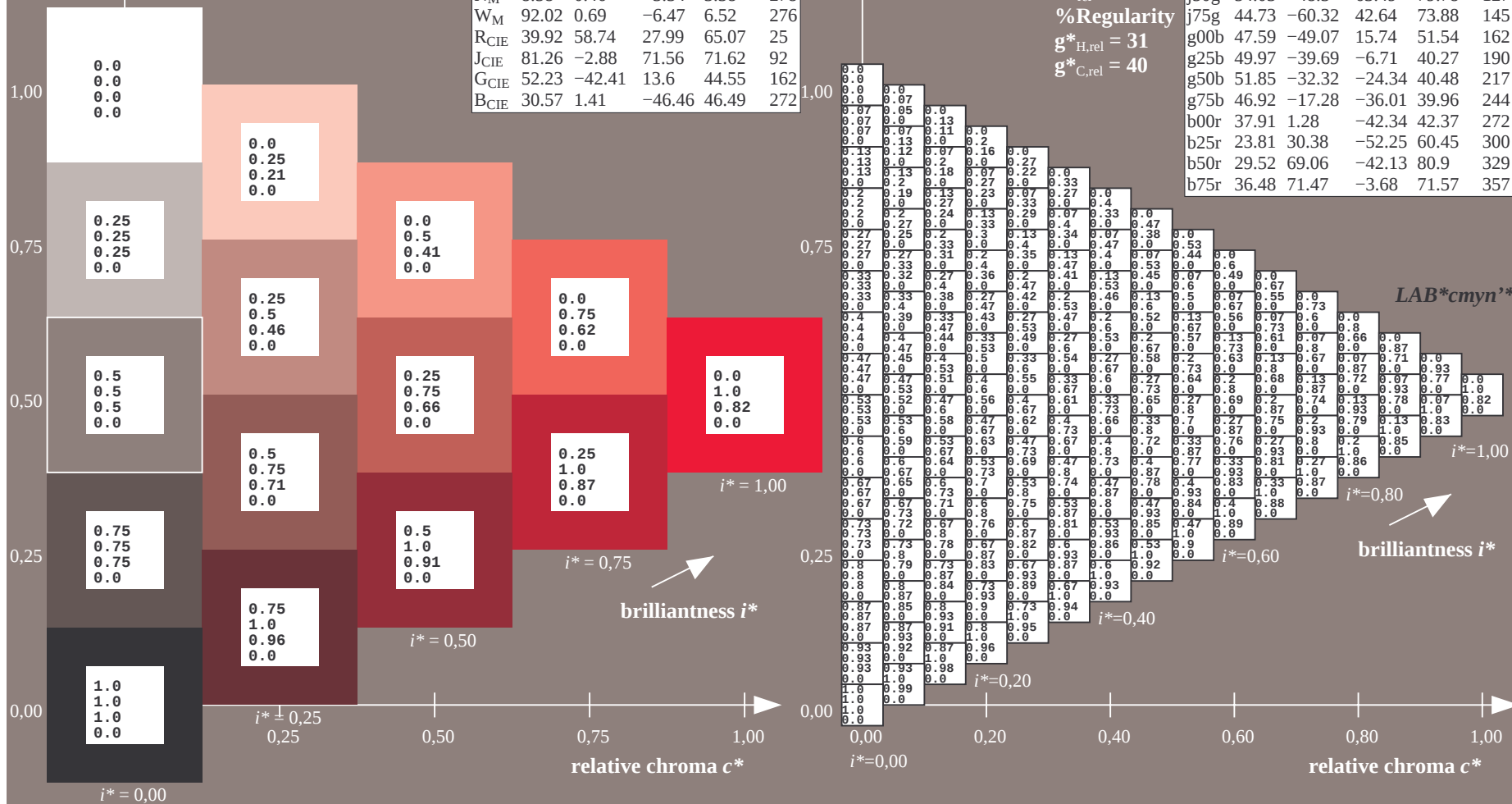
%Regularity

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

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

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^*

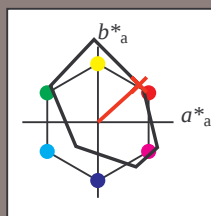
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
W _M	8.58	0.46	-3.34	3.38	278
N _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

LAB^*cmyn^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

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^*

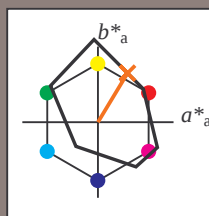
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

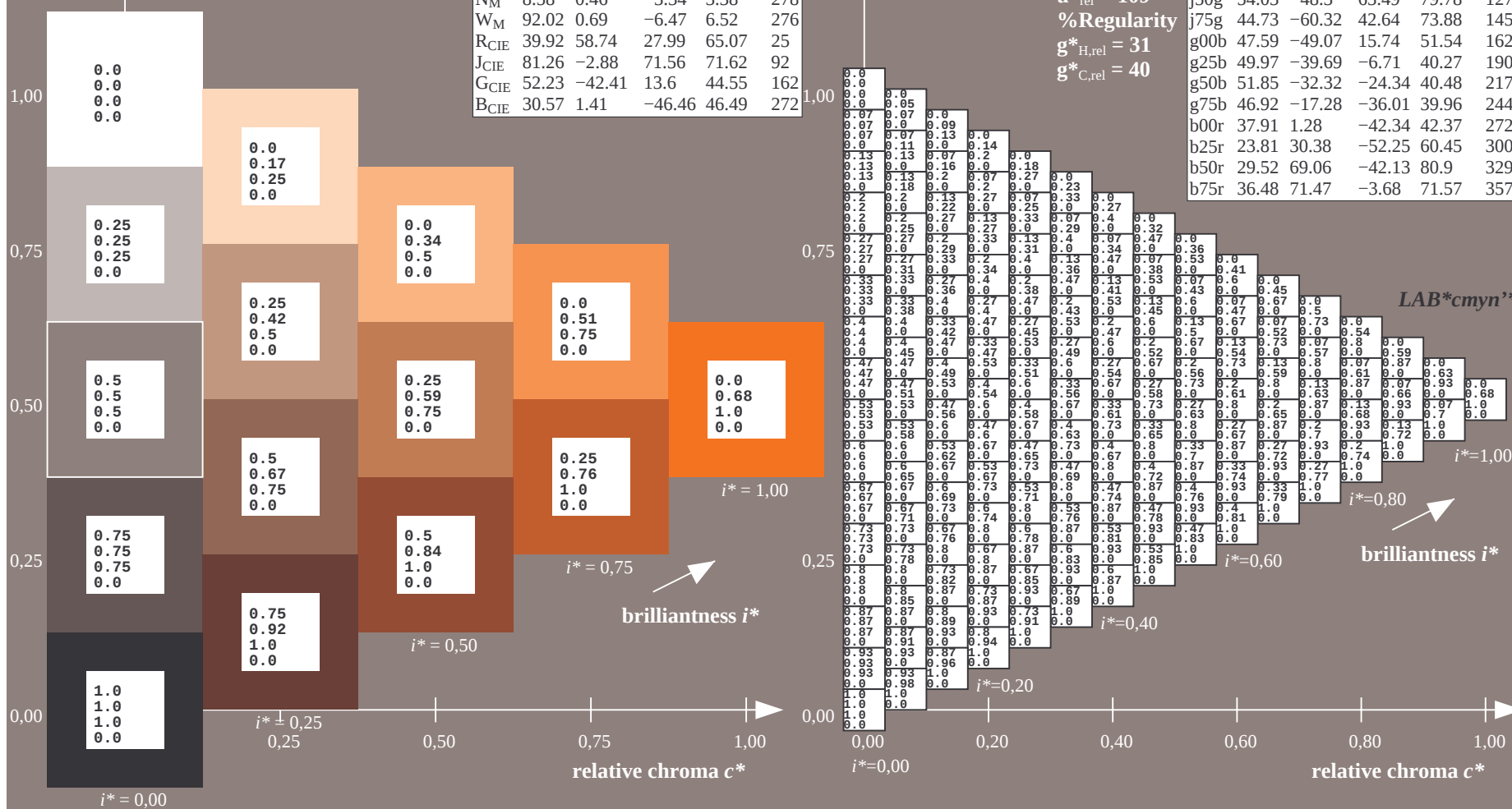
%Regularity

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

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

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^*

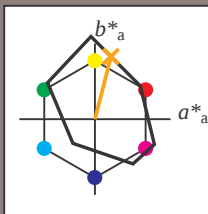
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

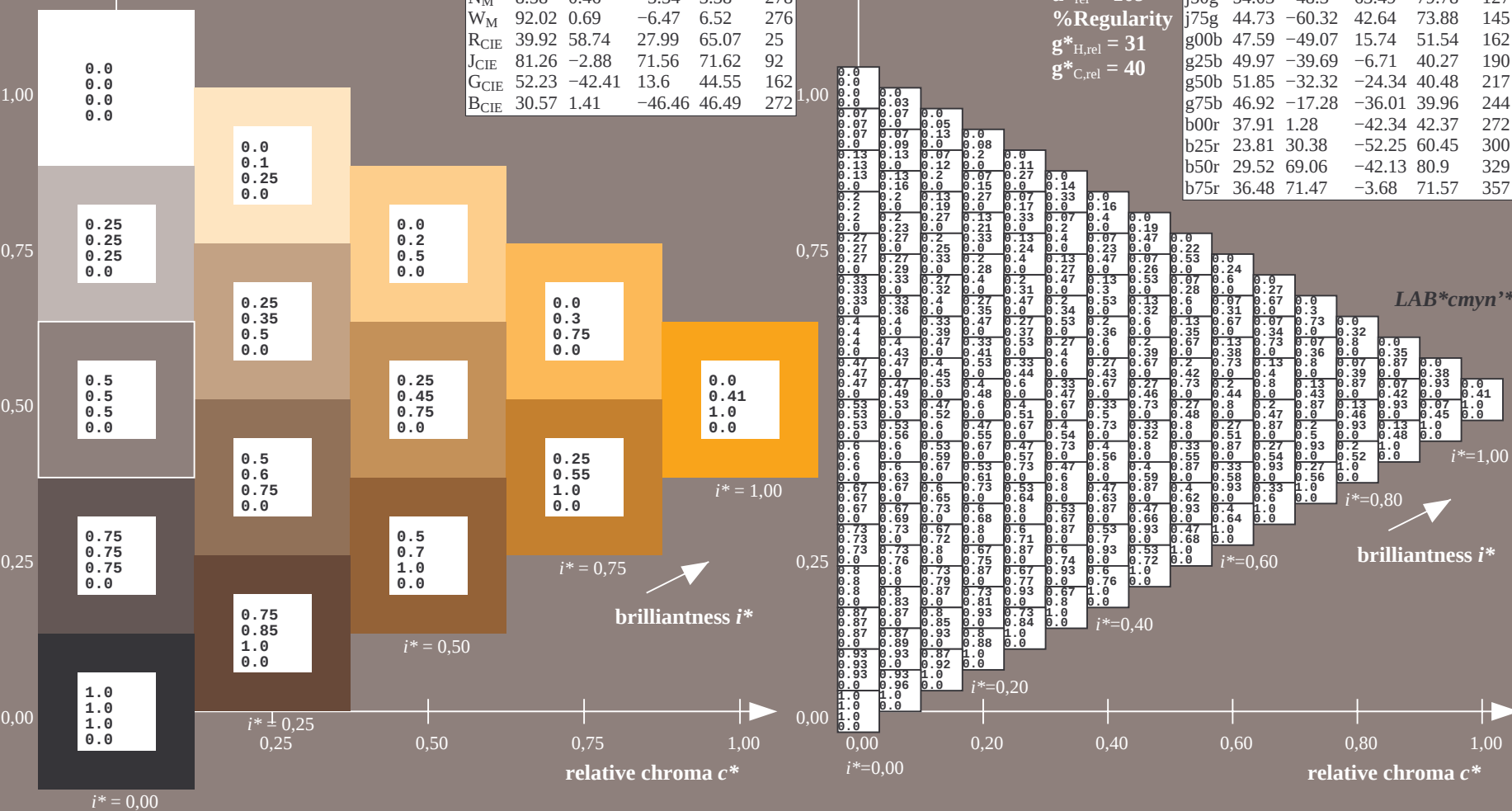
%Regularity

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

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

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^*

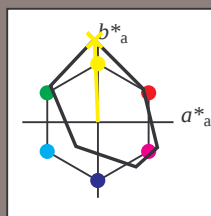
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

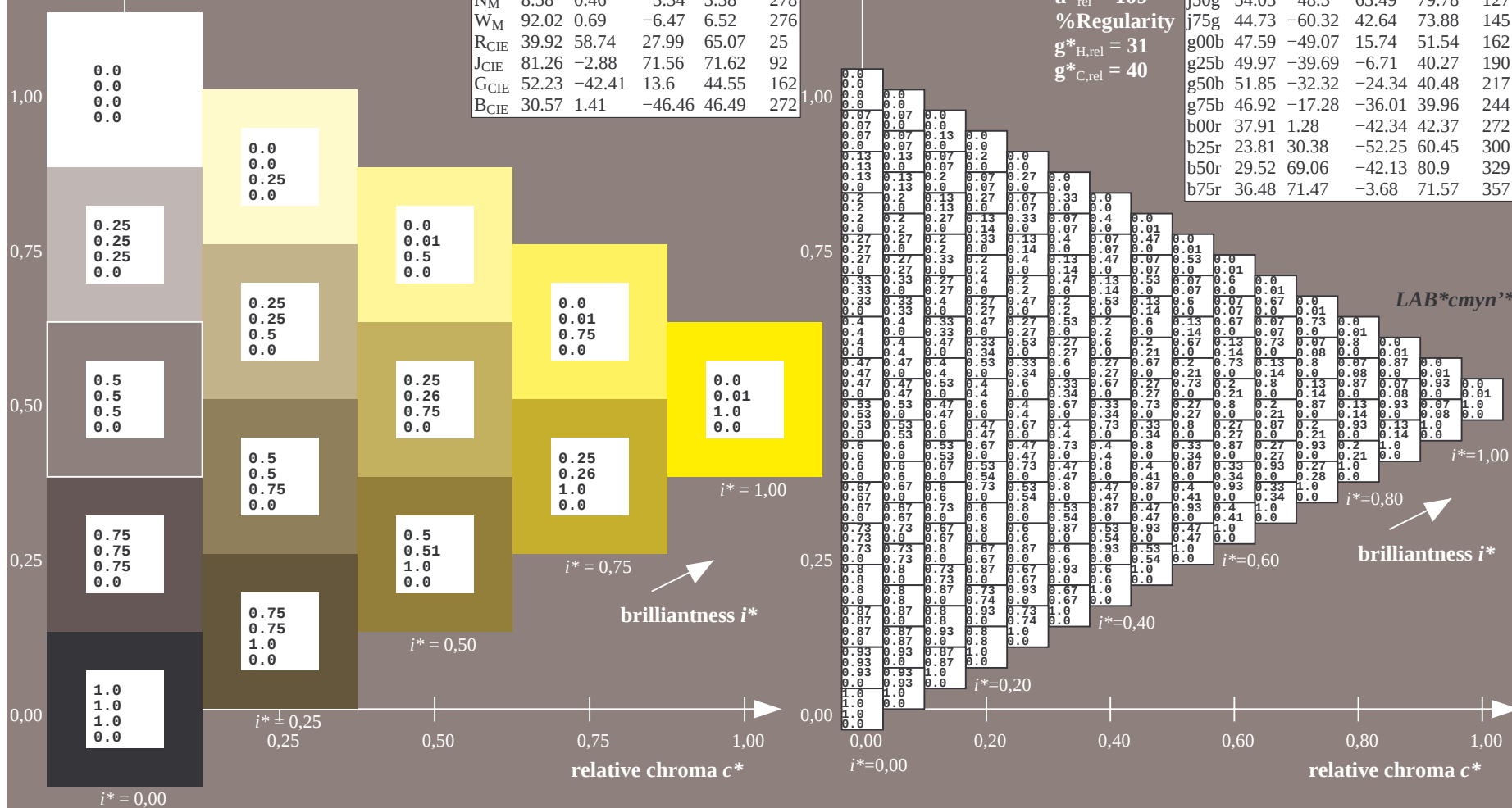
$u^*_{rel} = 109$

%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^*

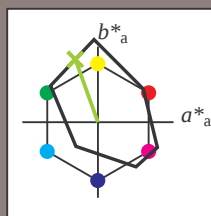
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

LAB^*cmyn^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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^*

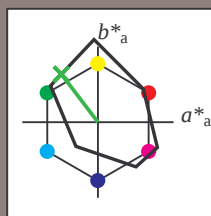
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

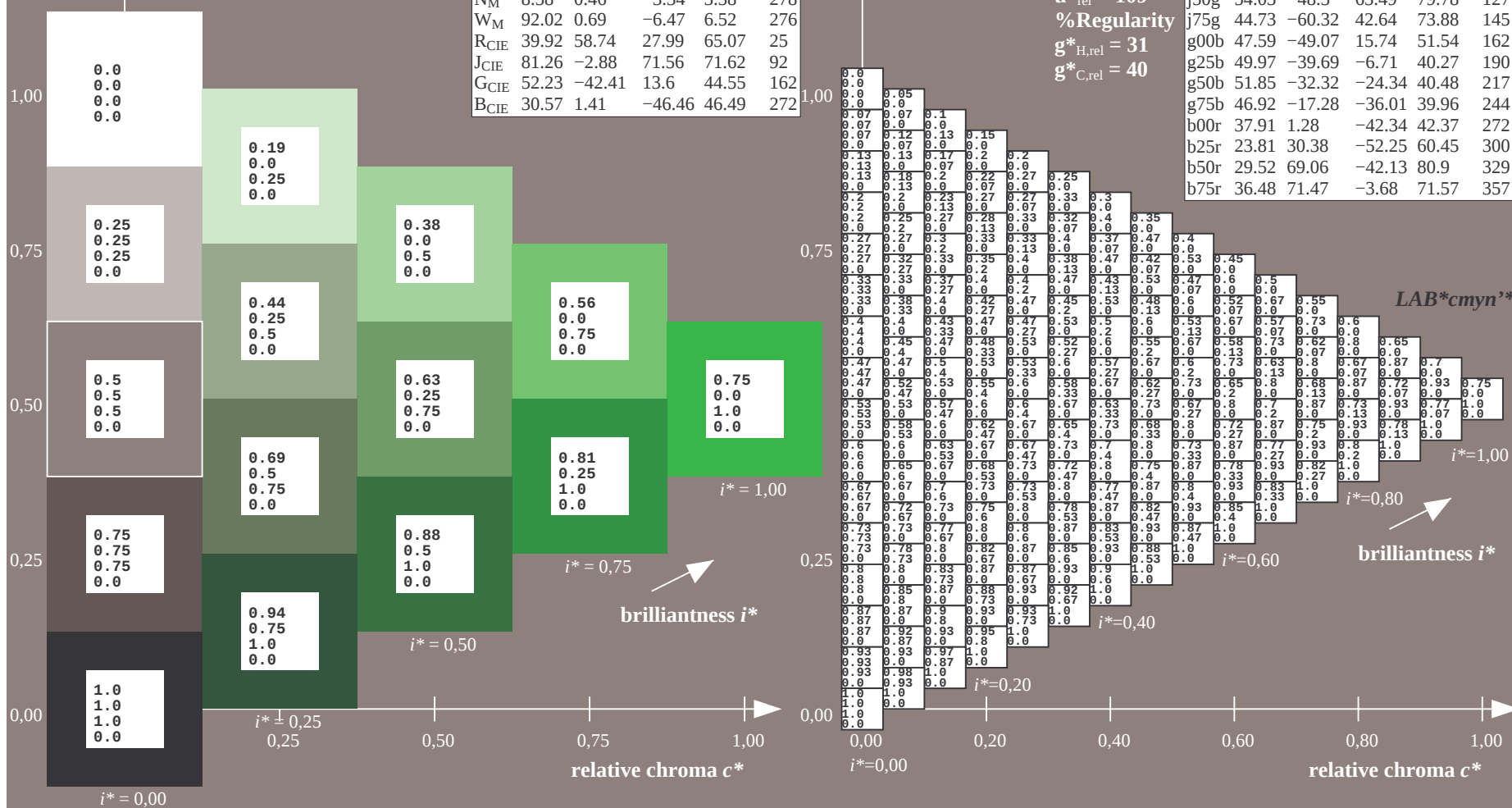
$u^*_{rel} = 109$

%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^*

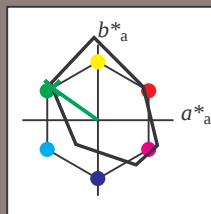
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

LAB^*cmyn^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

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^*

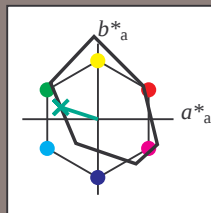
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

LAB^*cmyn^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

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^*

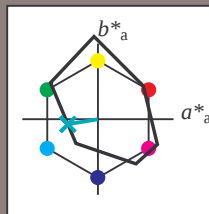
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

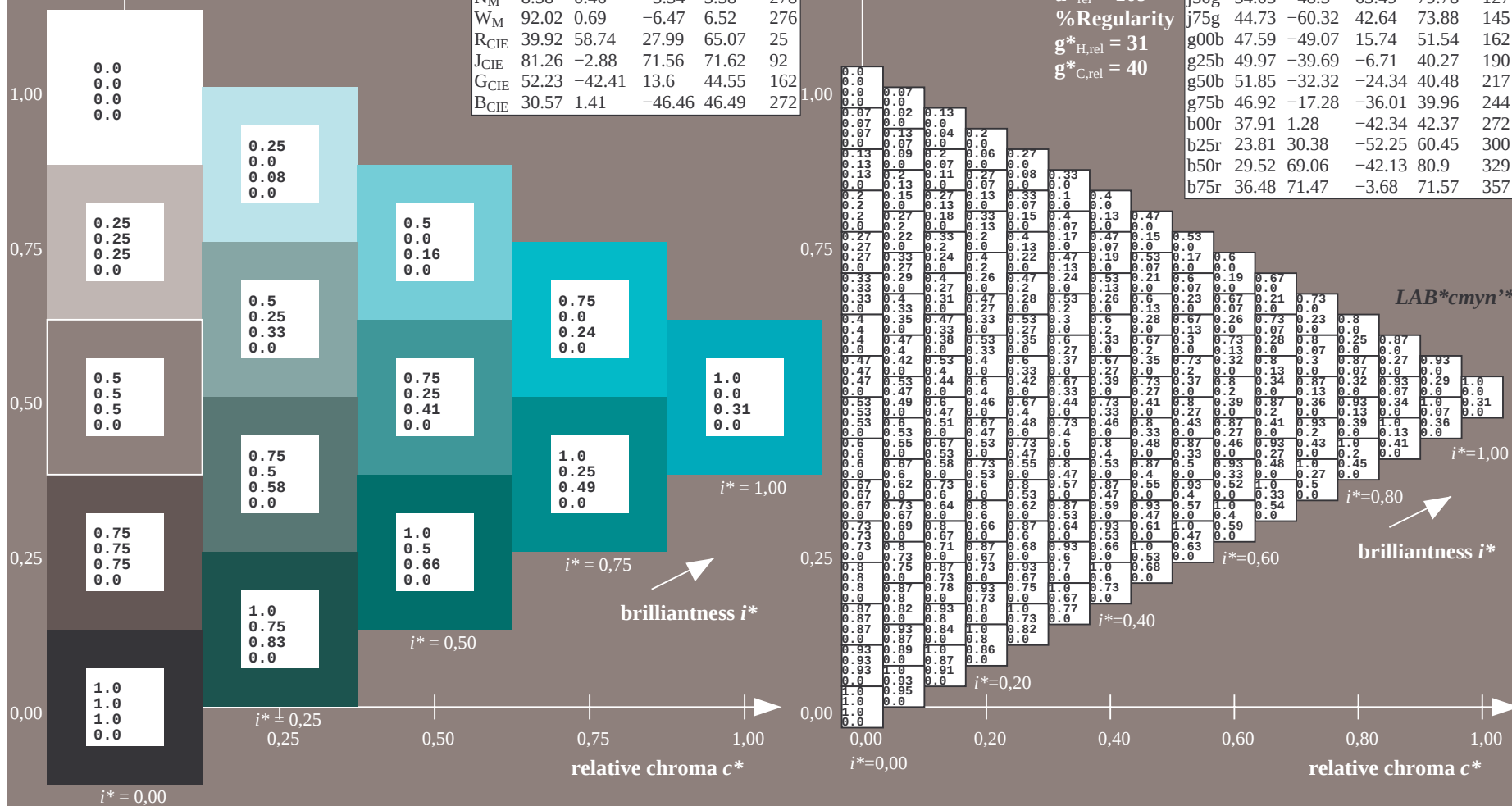
%Regularity

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

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

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^*

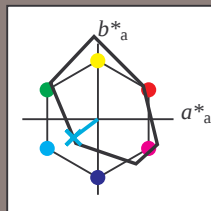
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

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

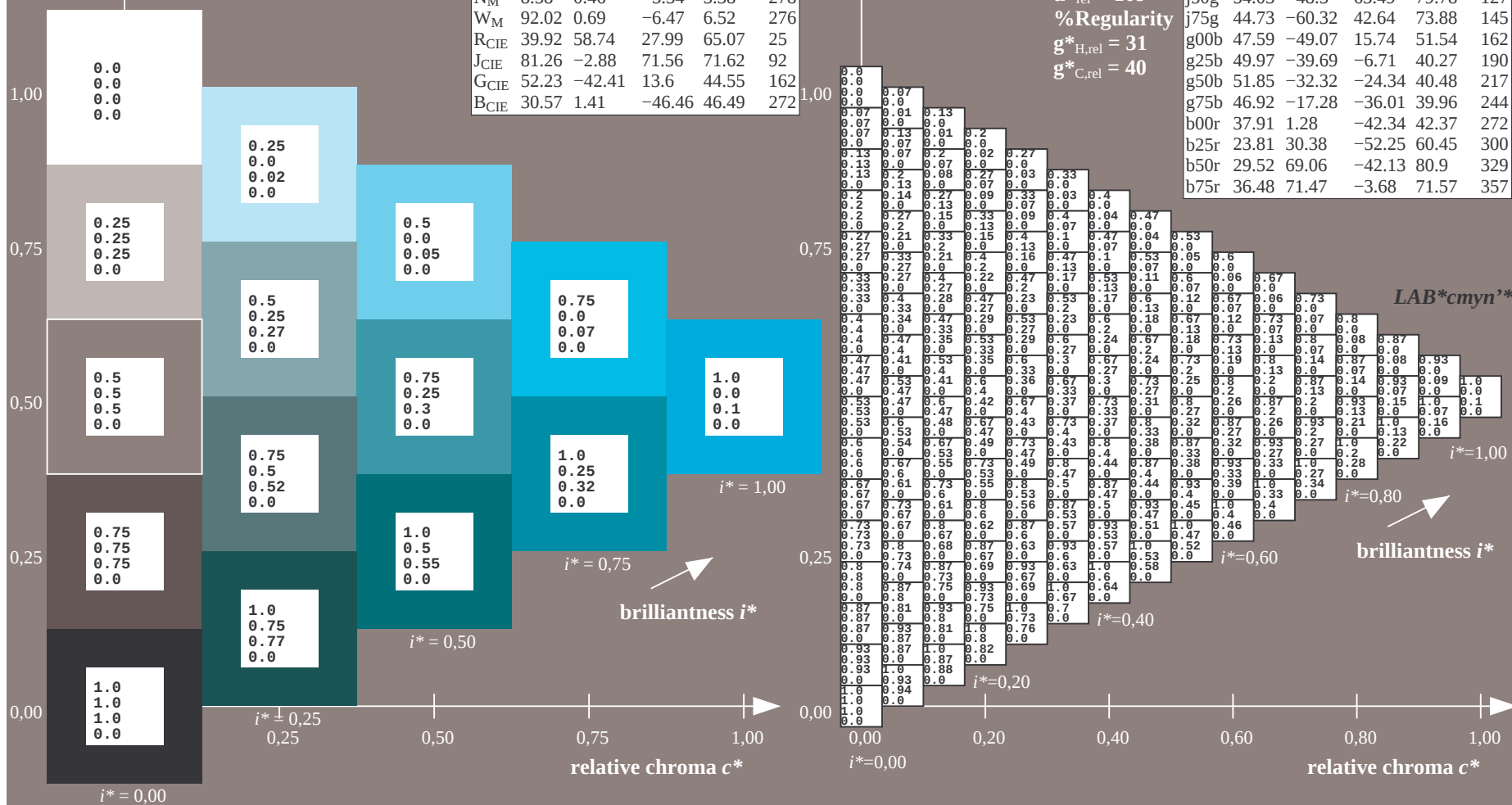
$g^*_{C,rel} = 40$

$u^* = g50b$

LAB^*cmyn^*

FRS09_92a; adapted (a) CIELAB data

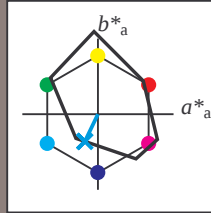
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	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 $h^* = \text{lab} \cdot h^* = h_{ab}/360 = 244/360 = 0.679$ data for any colour: Data for maximum colour (Ma):

*lab*tch** and *lab*icu**
elementary hue text:

$u^* = g75b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^* = L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	143
C _M	52.66	-28.55	-36.98	46.73	233
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	270
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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^*

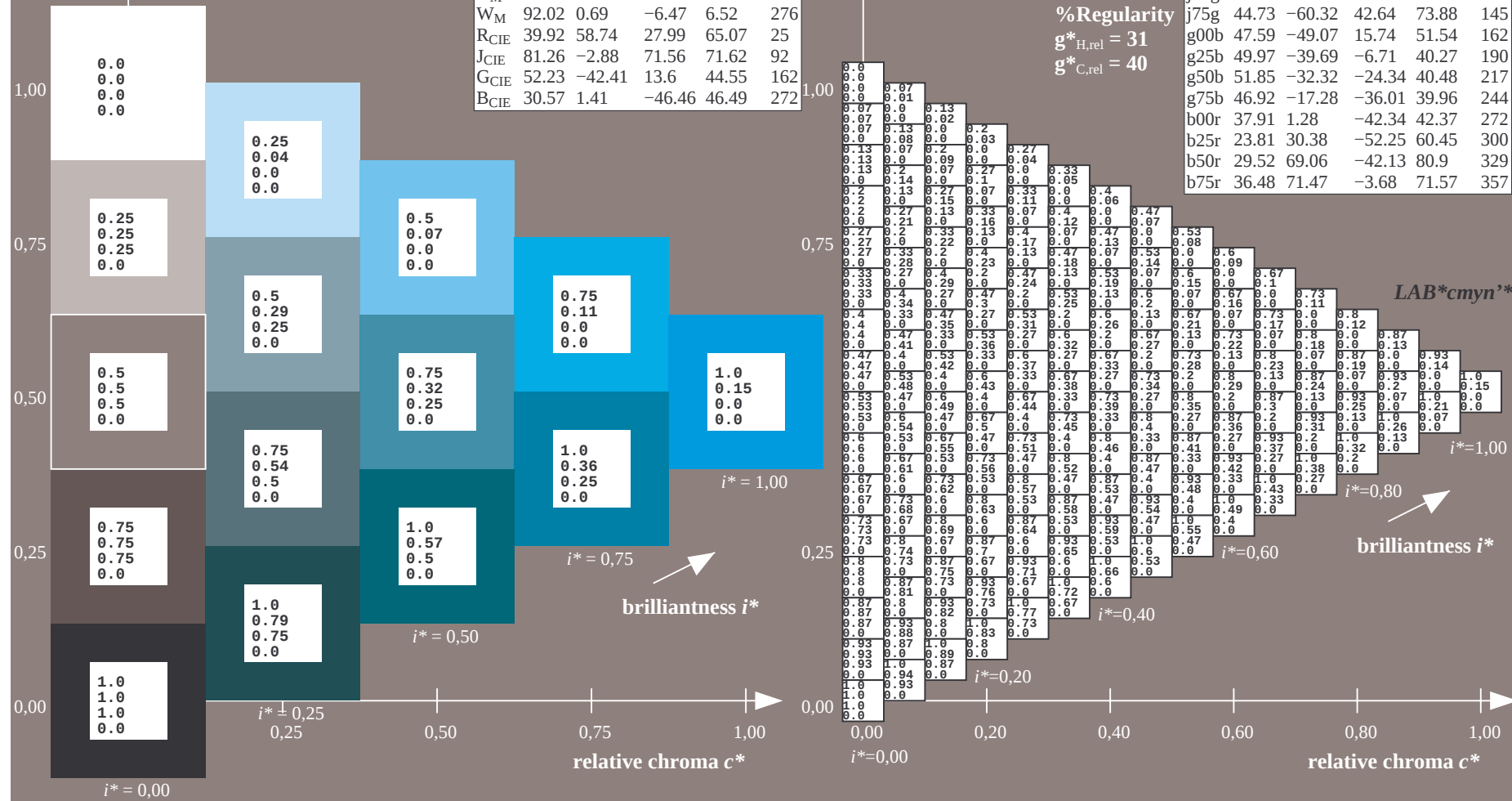
%Gamut

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

%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-test chart De96; Colorimetric systems, Page 175/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De96/10/L96E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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^*

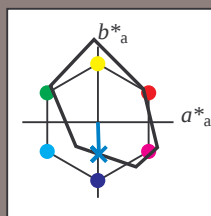
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$LAB^*cmy^n^*$

$i^* = 1.00$

brilliantness i^*

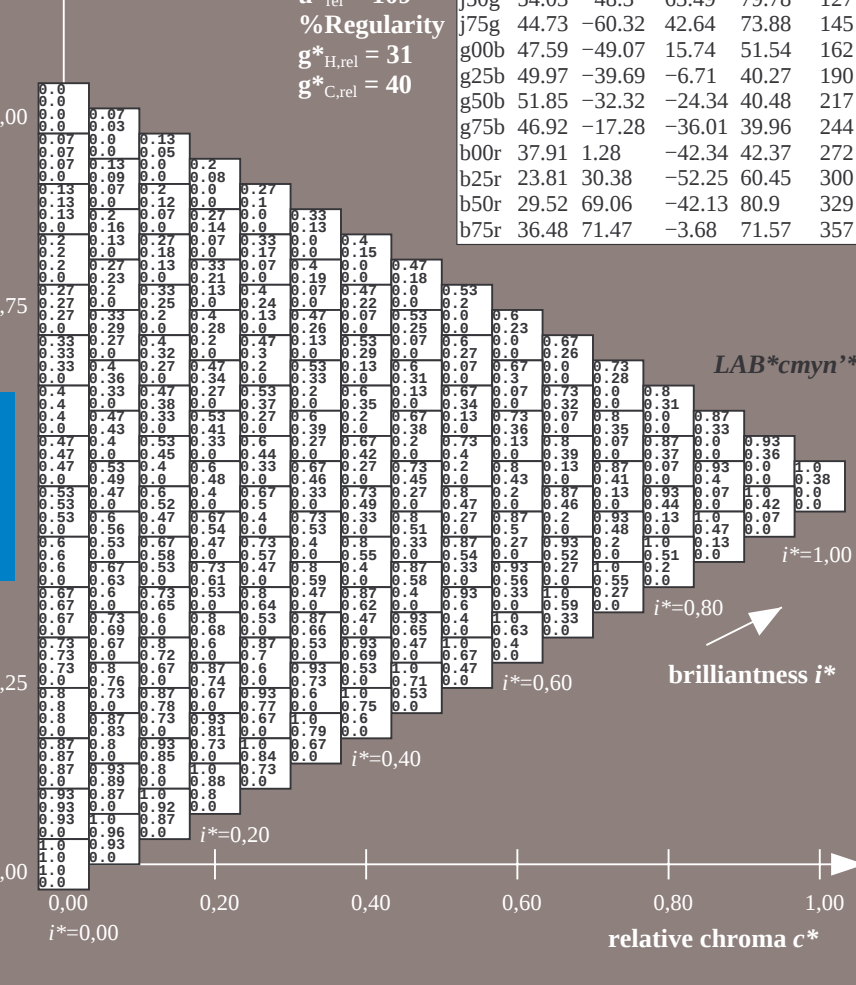
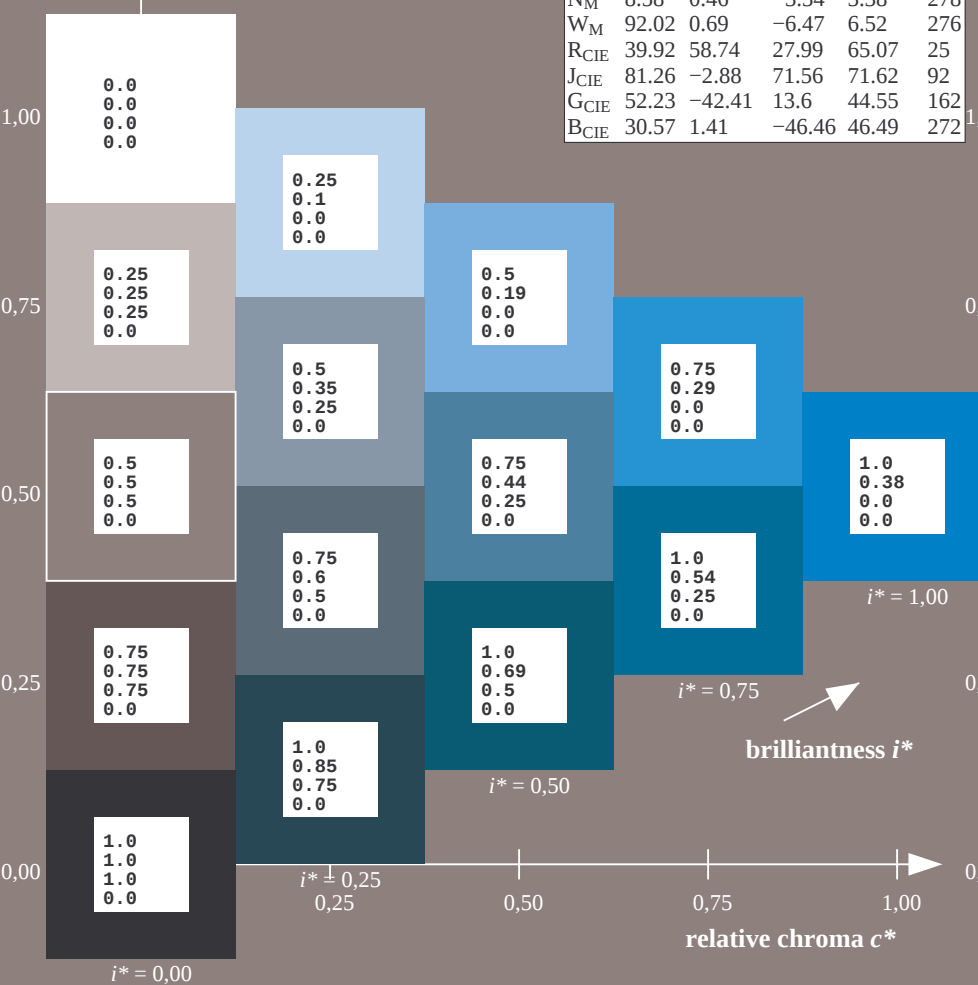
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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^*

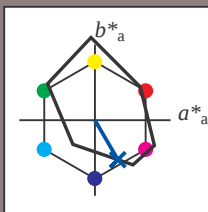
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

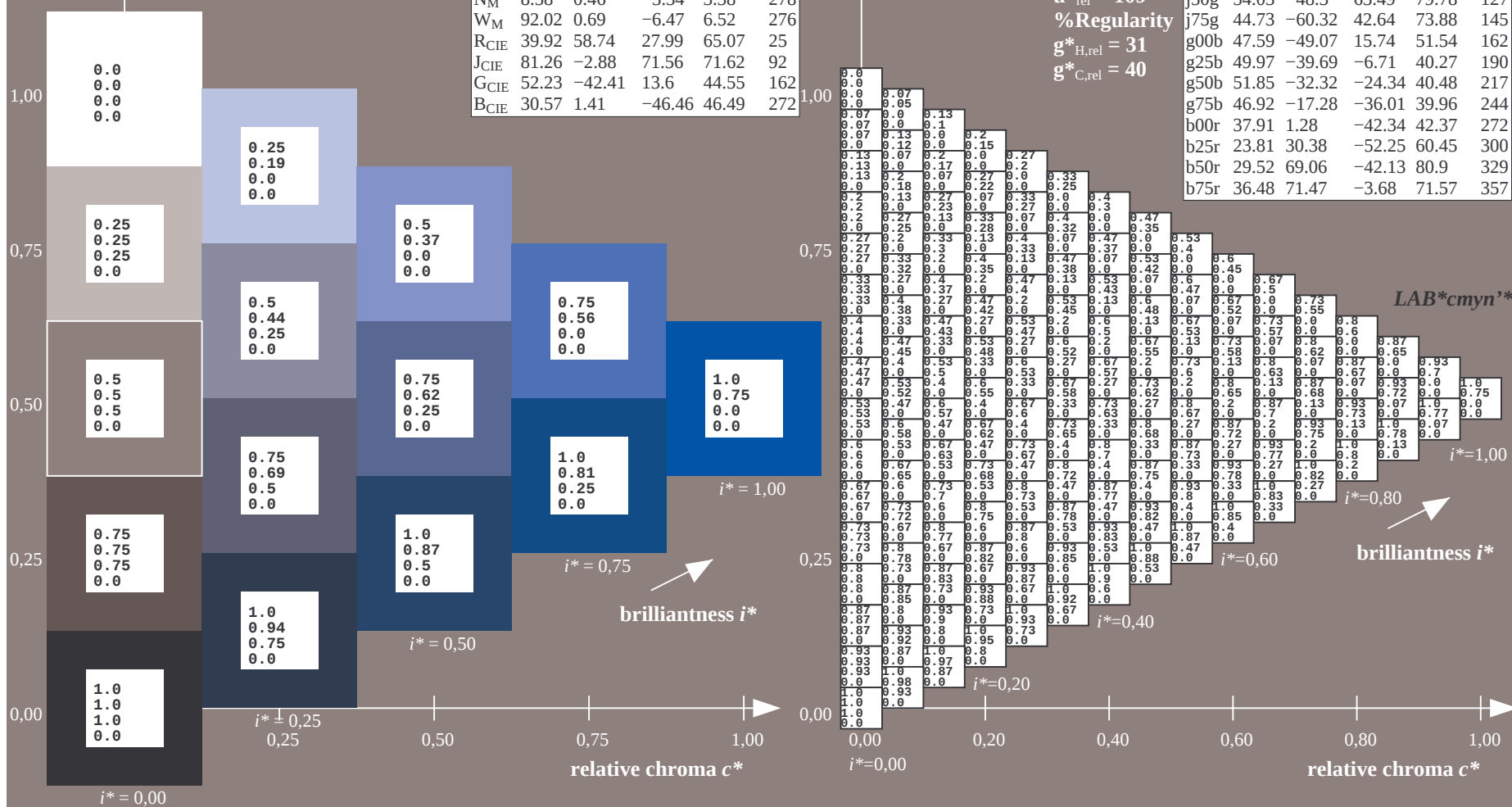
$u^*_{rel} = 109$

%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^*

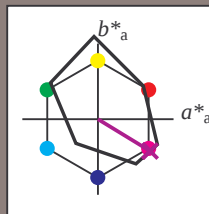
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

$u^*_{rel} = 109$

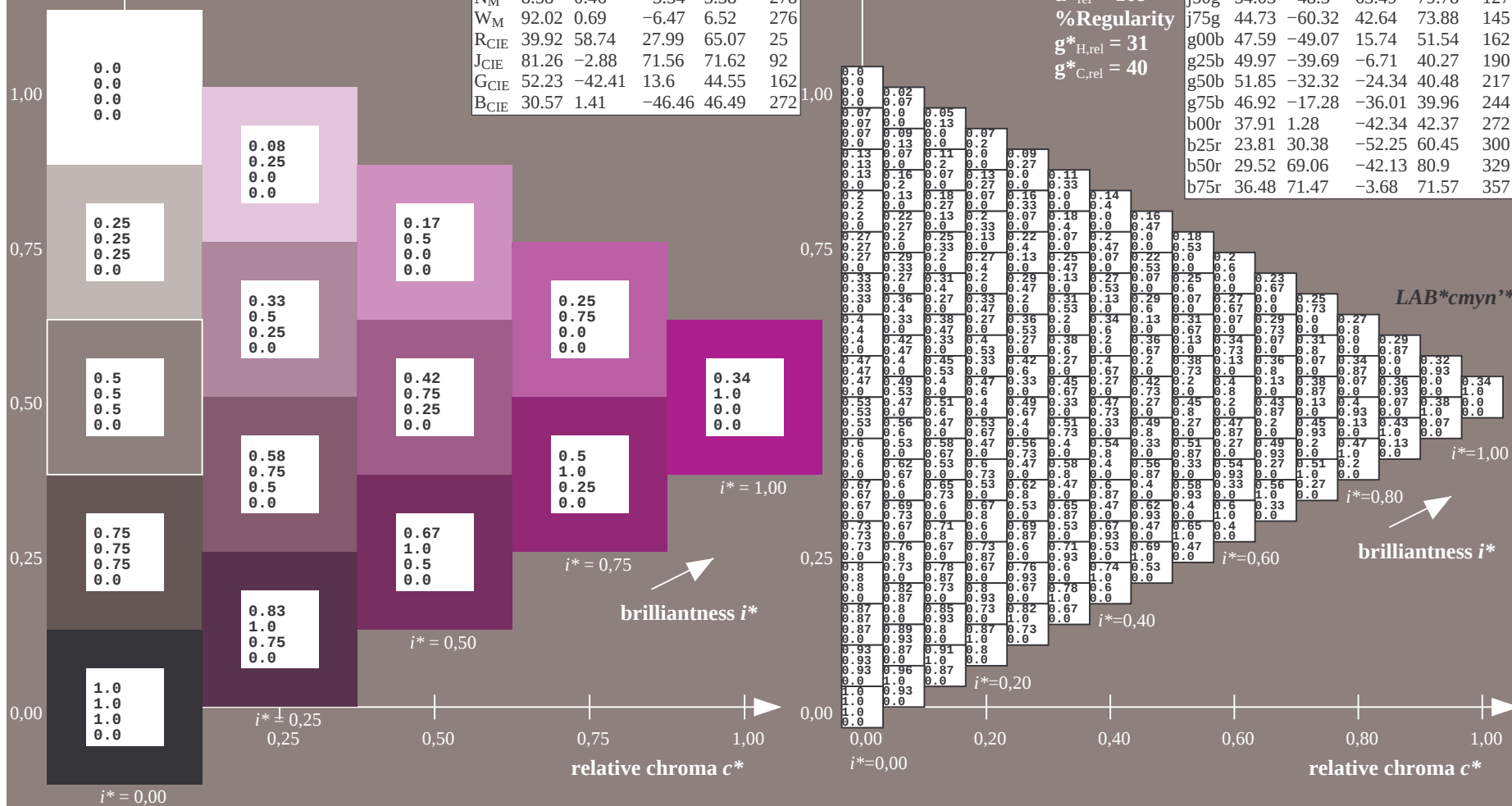
%Regularity

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

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

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^*

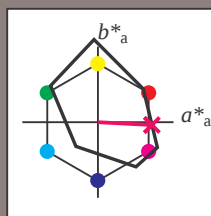
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.49	103.15	103.25	92
L _M	44.13	-62.1	43.56	75.86	145
C _M	52.66	-28.55	-36.98	46.73	232
V _M	14.15	50.78	-62.59	80.61	309
M _M	37.37	79.18	-37.92	87.8	334
N _M	8.58	0.46	-3.34	3.38	278
W _M	92.02	0.69	-6.47	6.52	276
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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

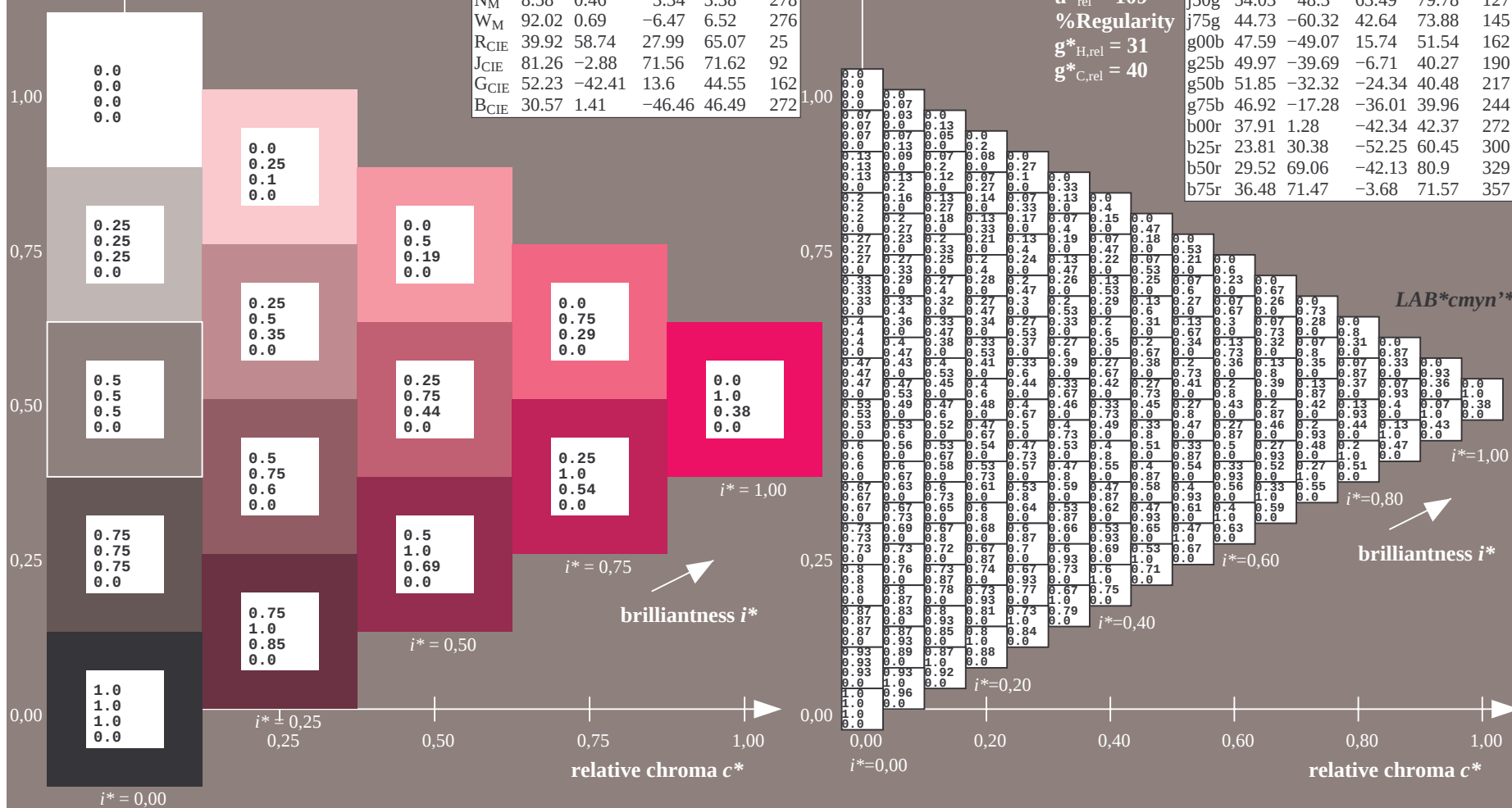
$u^*_{rel} = 109$

%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-De96/10L/L96E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

[illegible]

BAM-test chart De96; Colorimetric systems, Page 180/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

See for similar files: <http://www.ps.bam.de/De96/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0