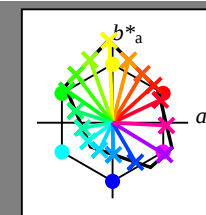


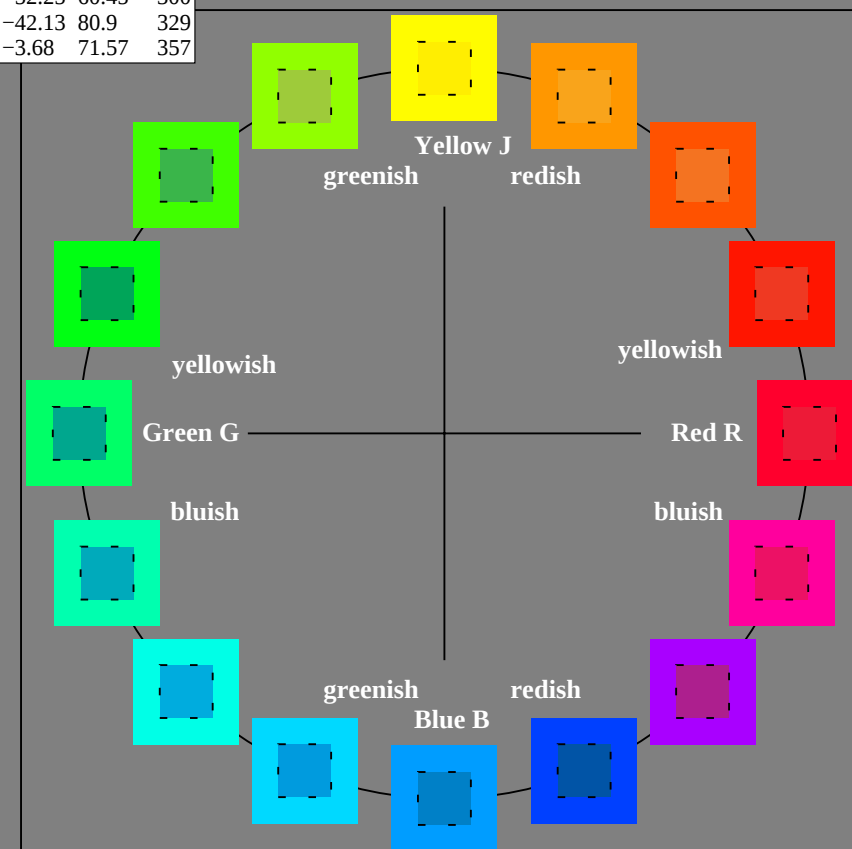
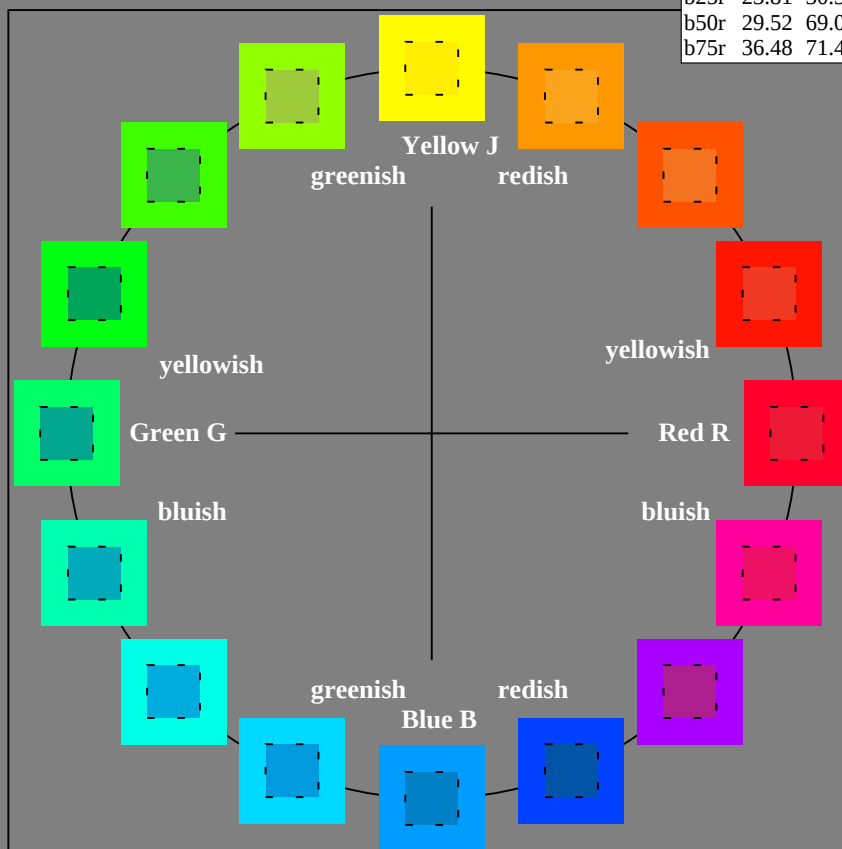
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

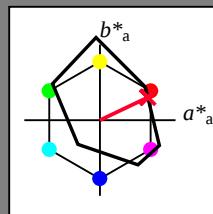
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

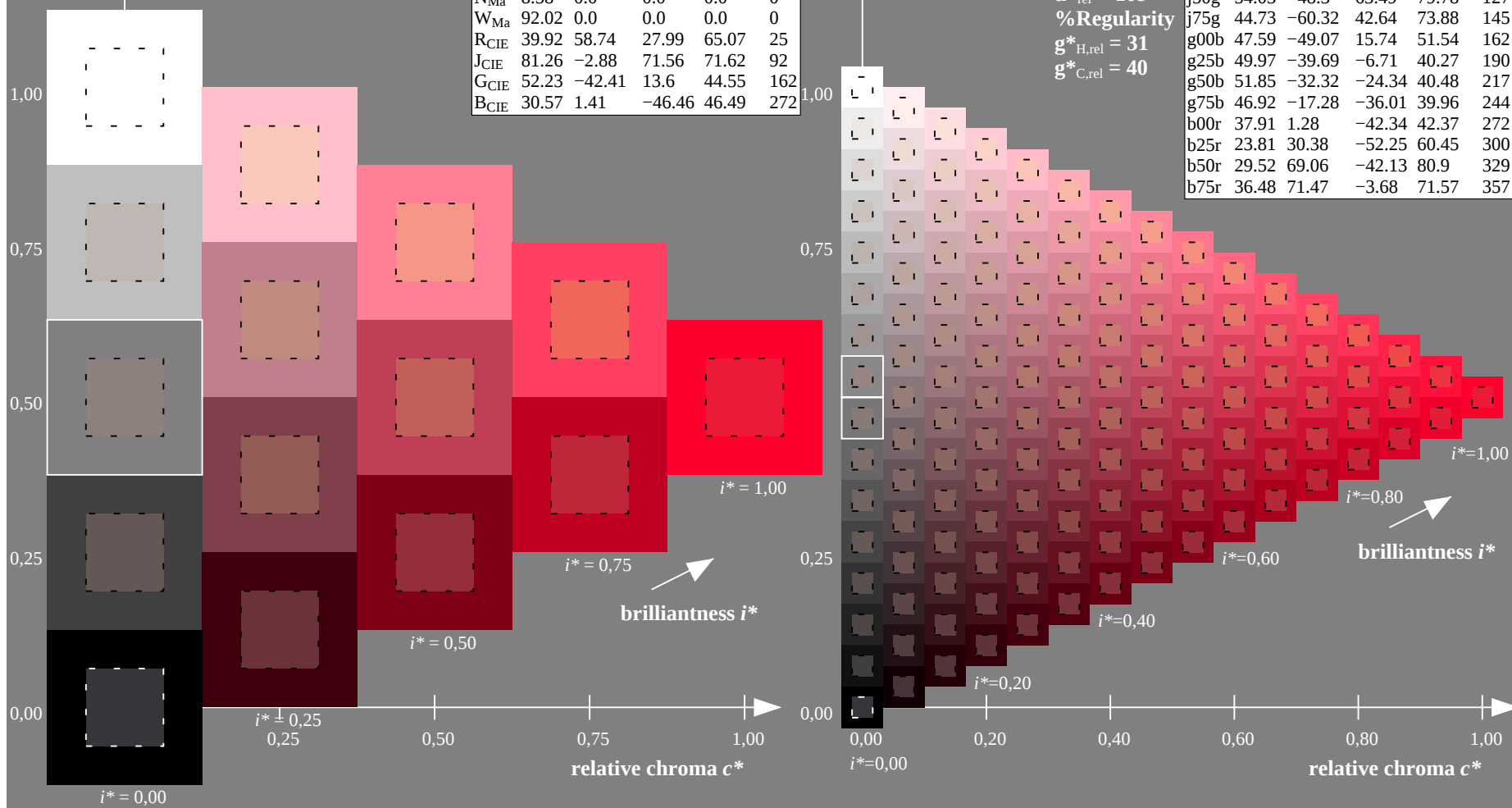
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

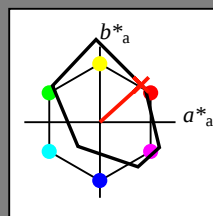
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

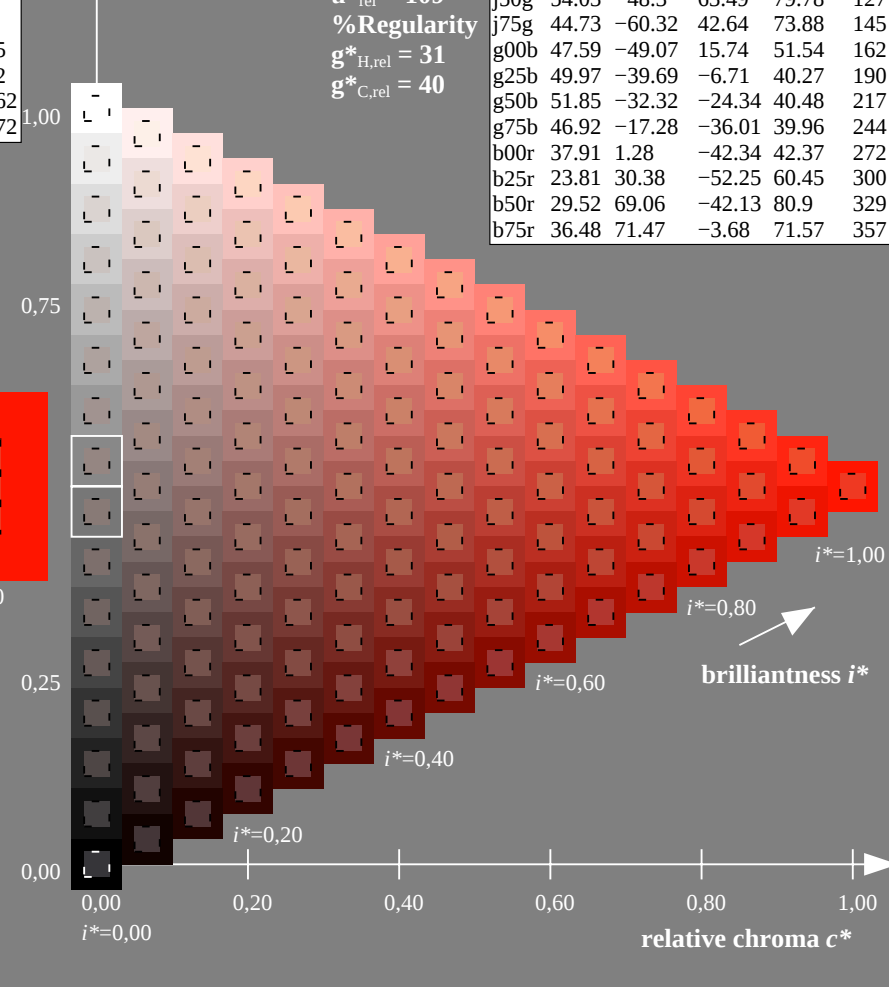
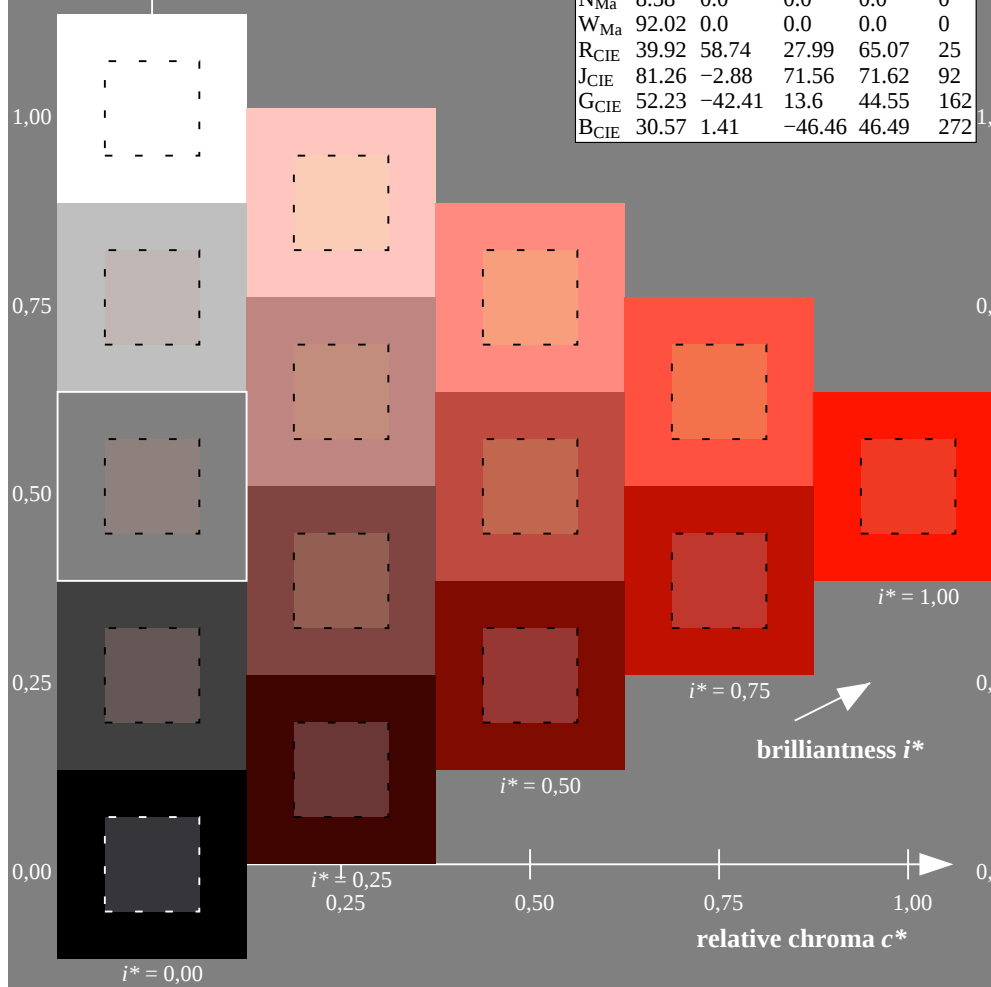
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

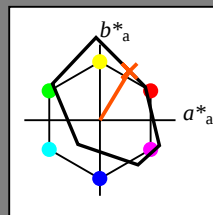
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

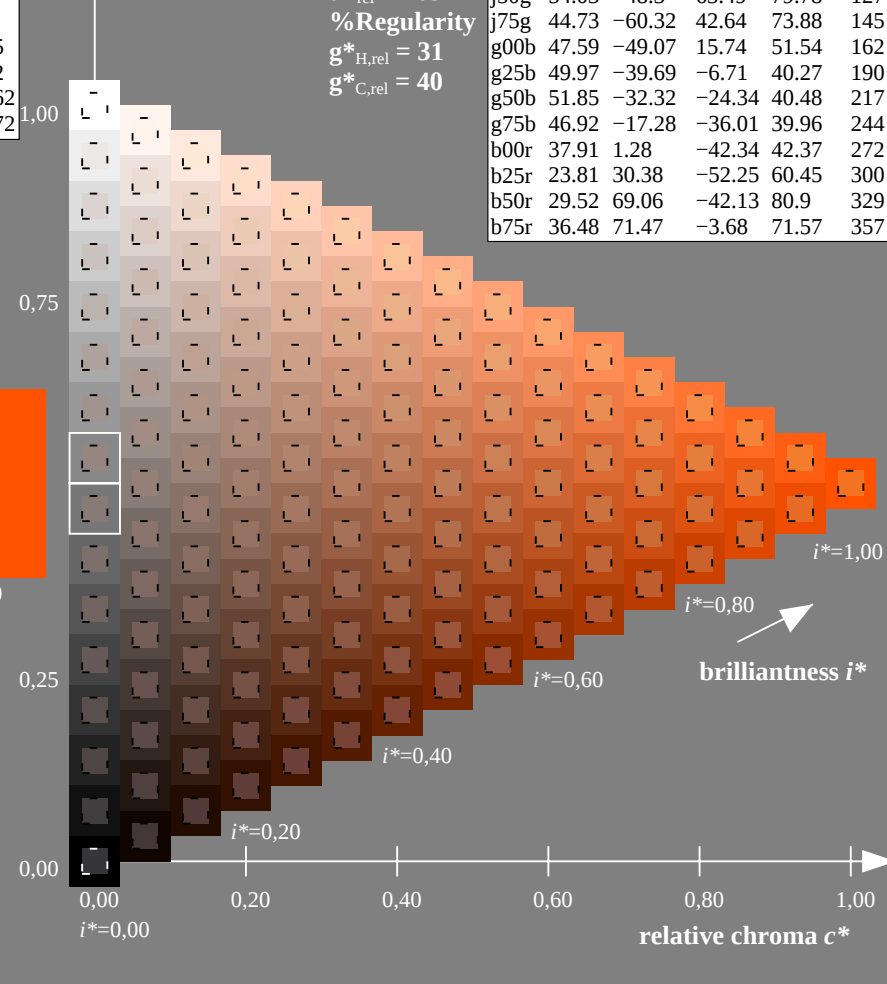
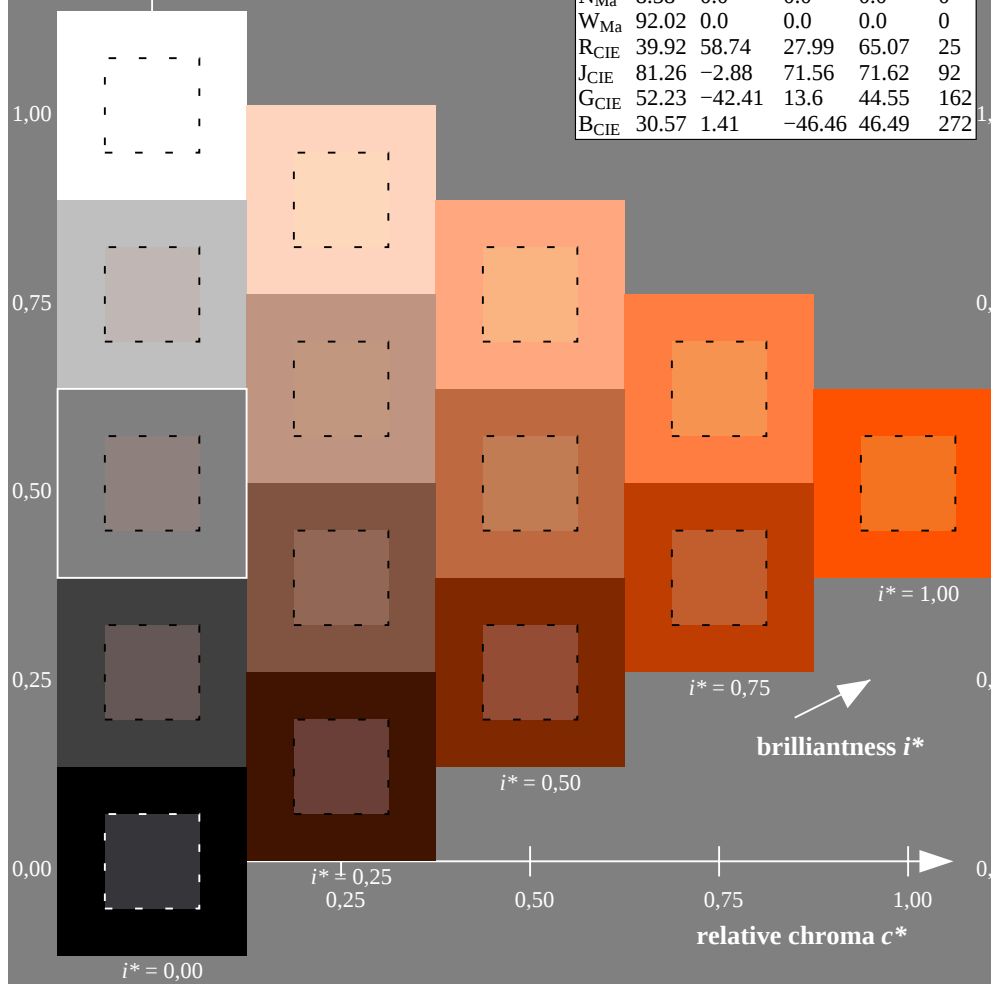
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

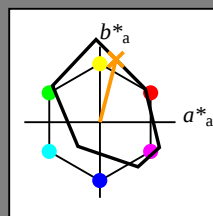
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

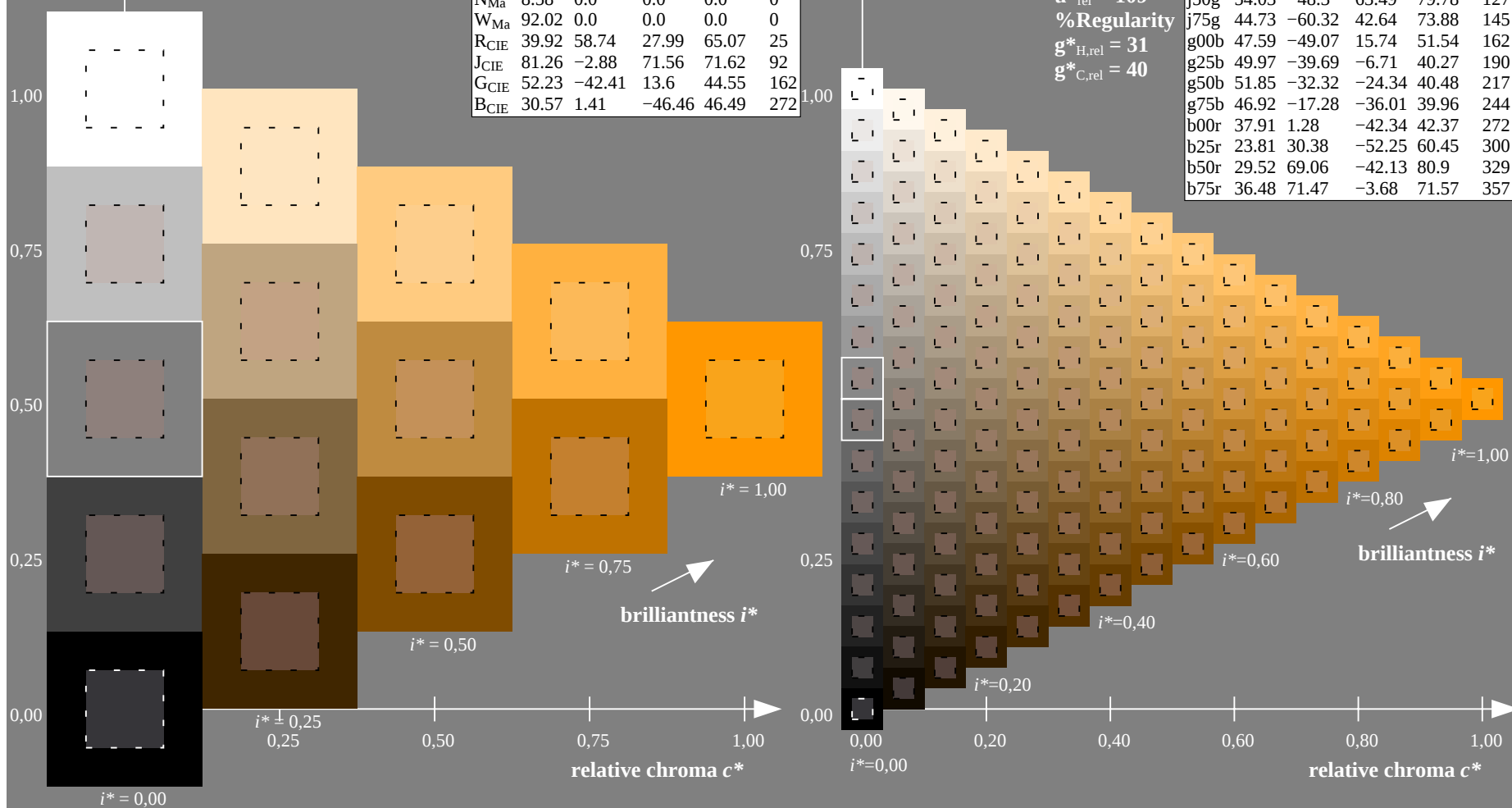
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

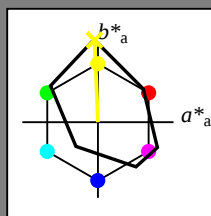
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

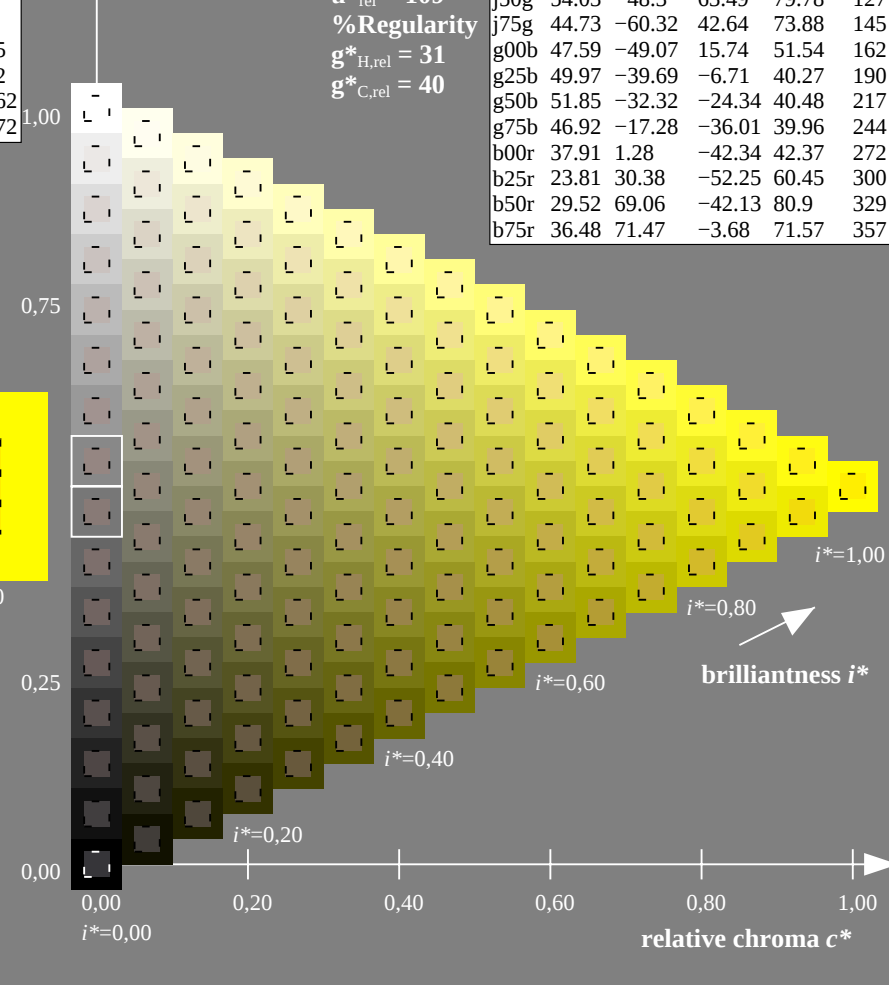
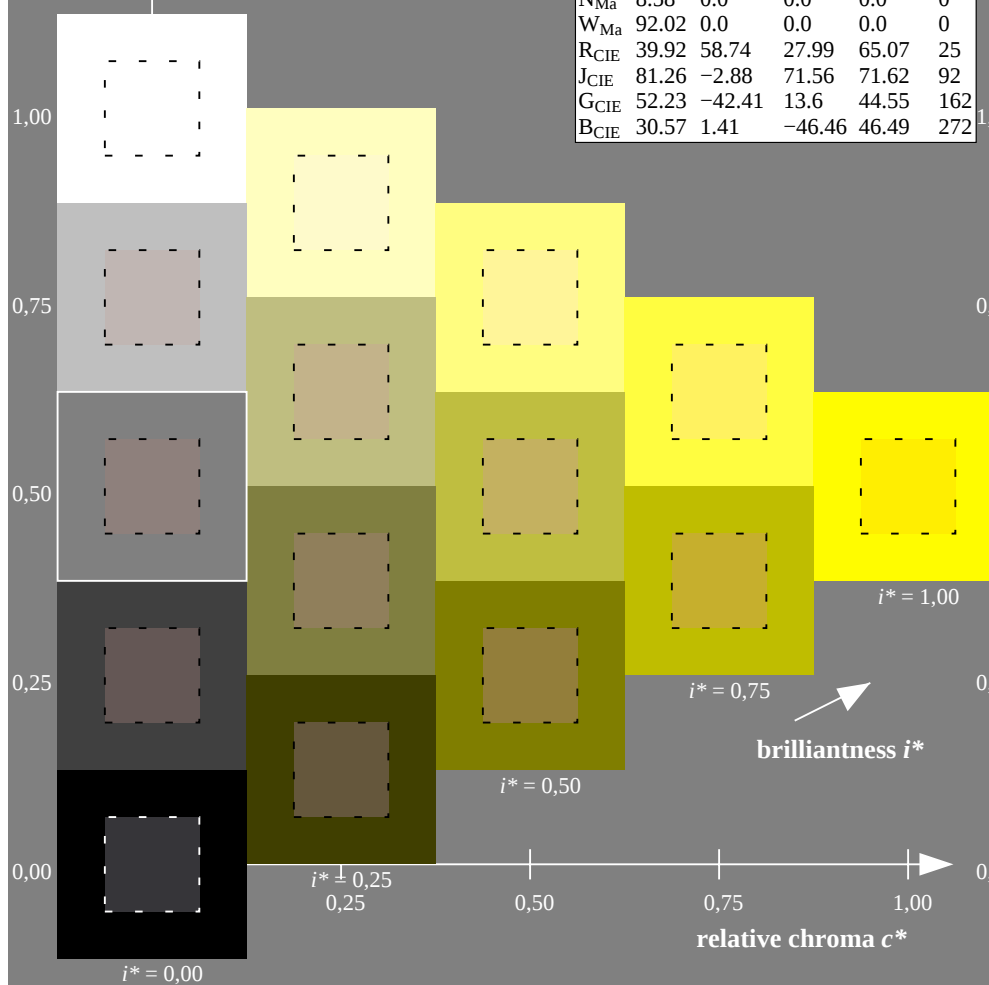
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

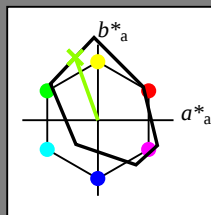
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

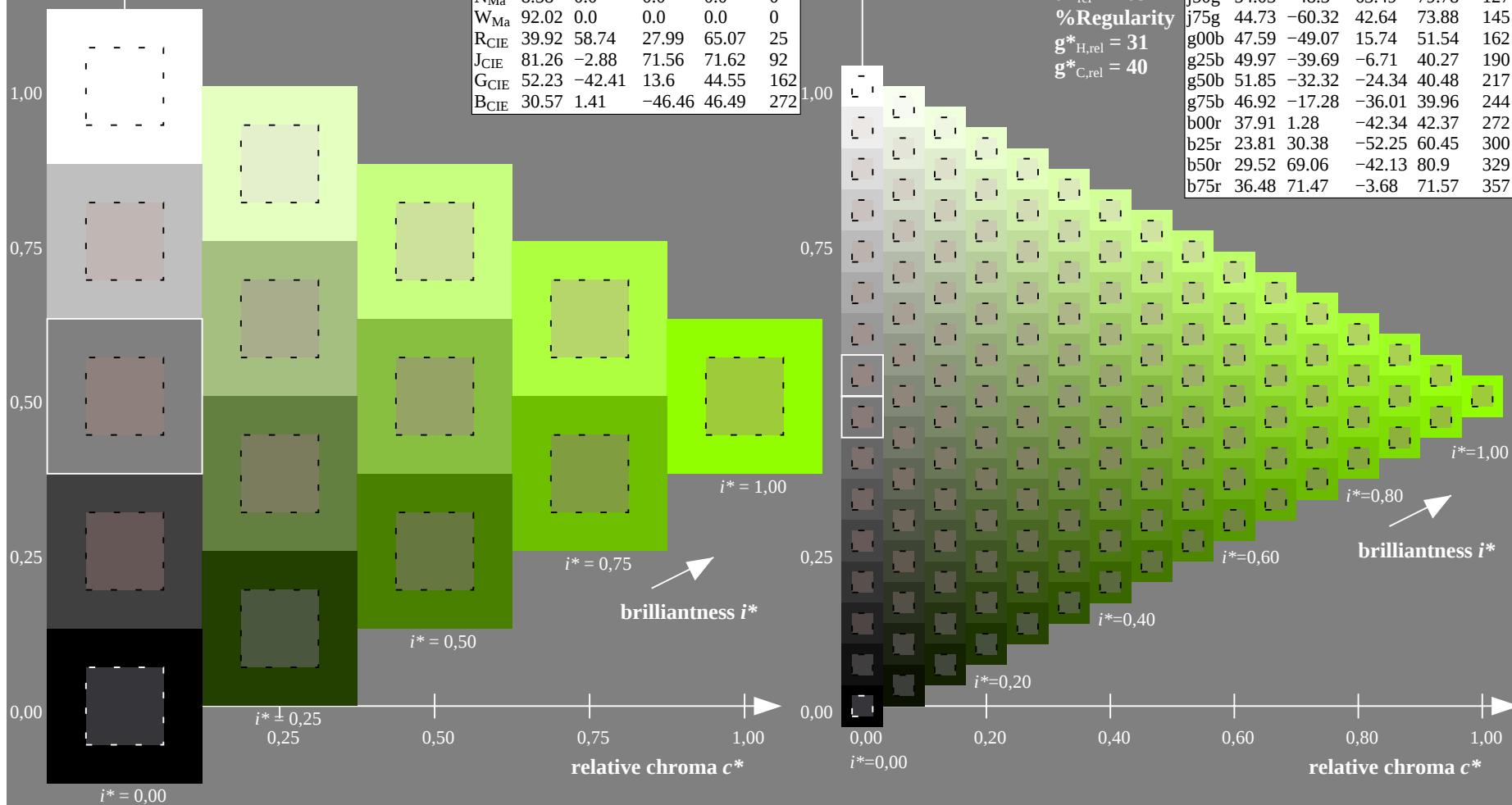
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

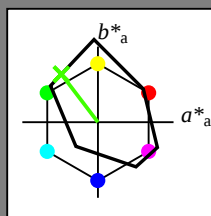
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

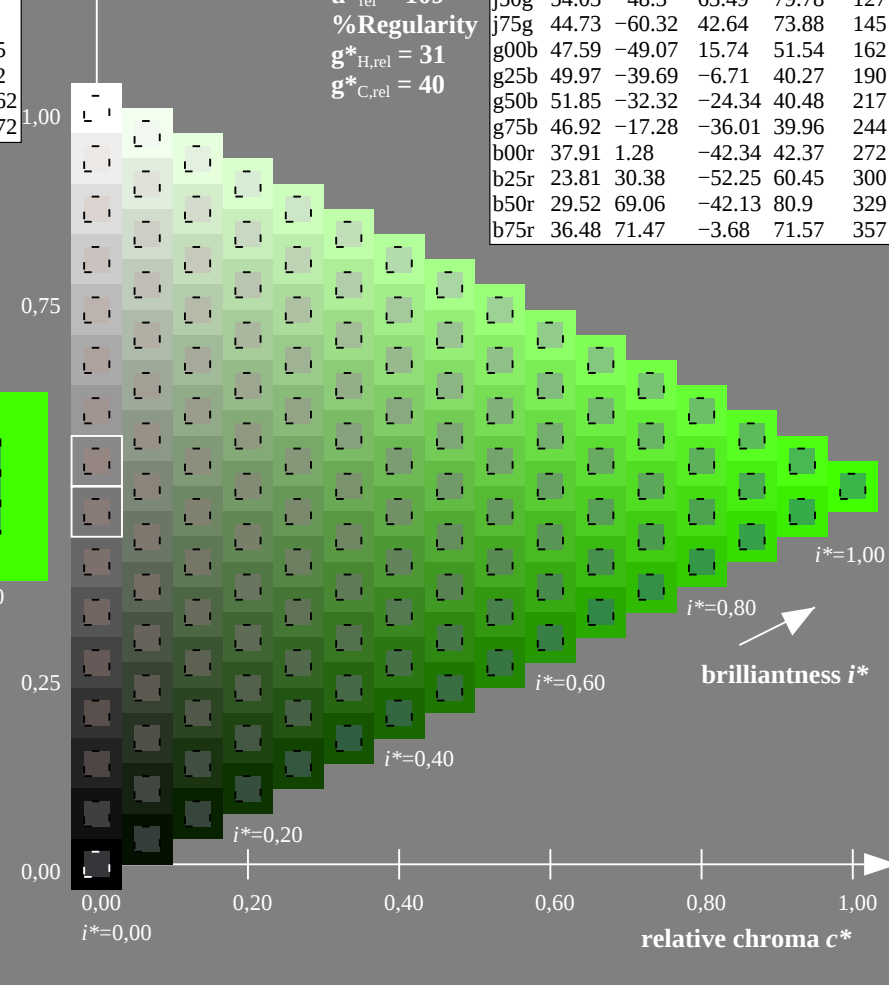
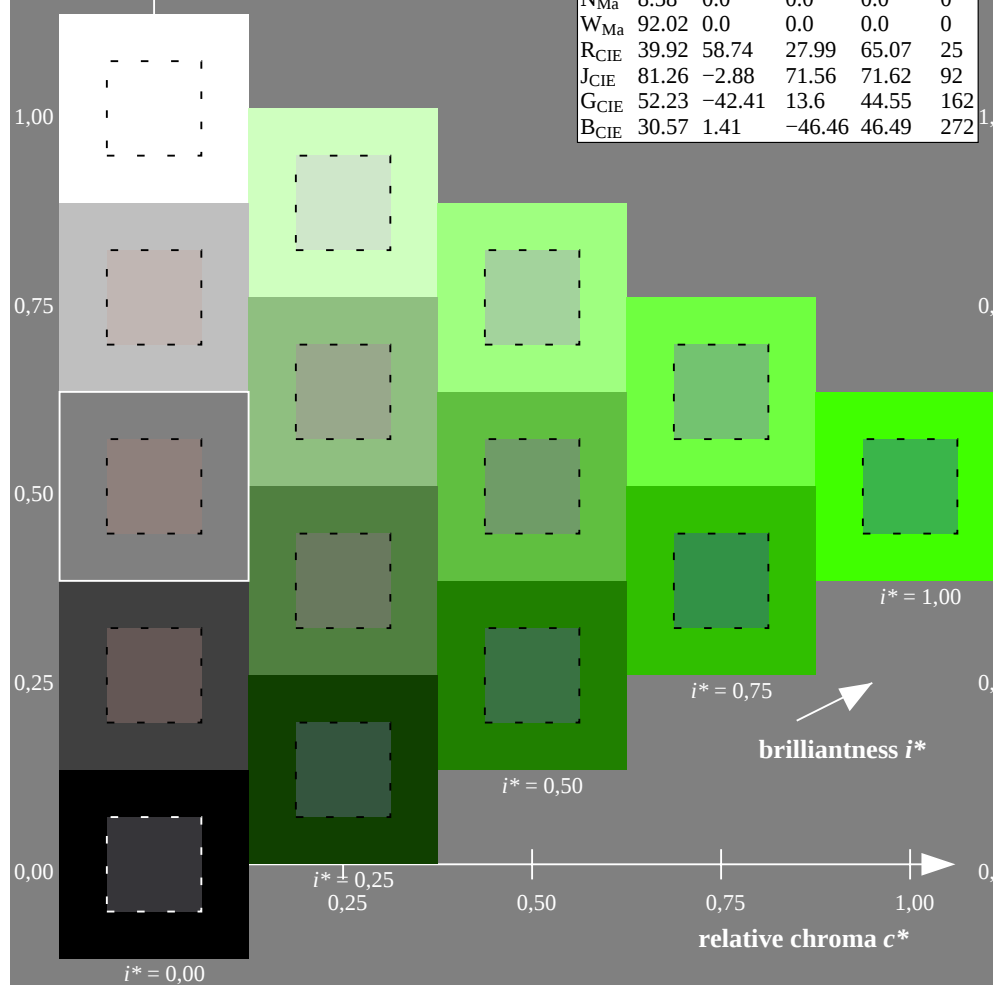
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

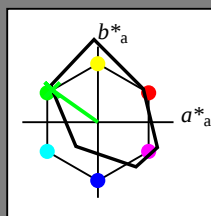
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

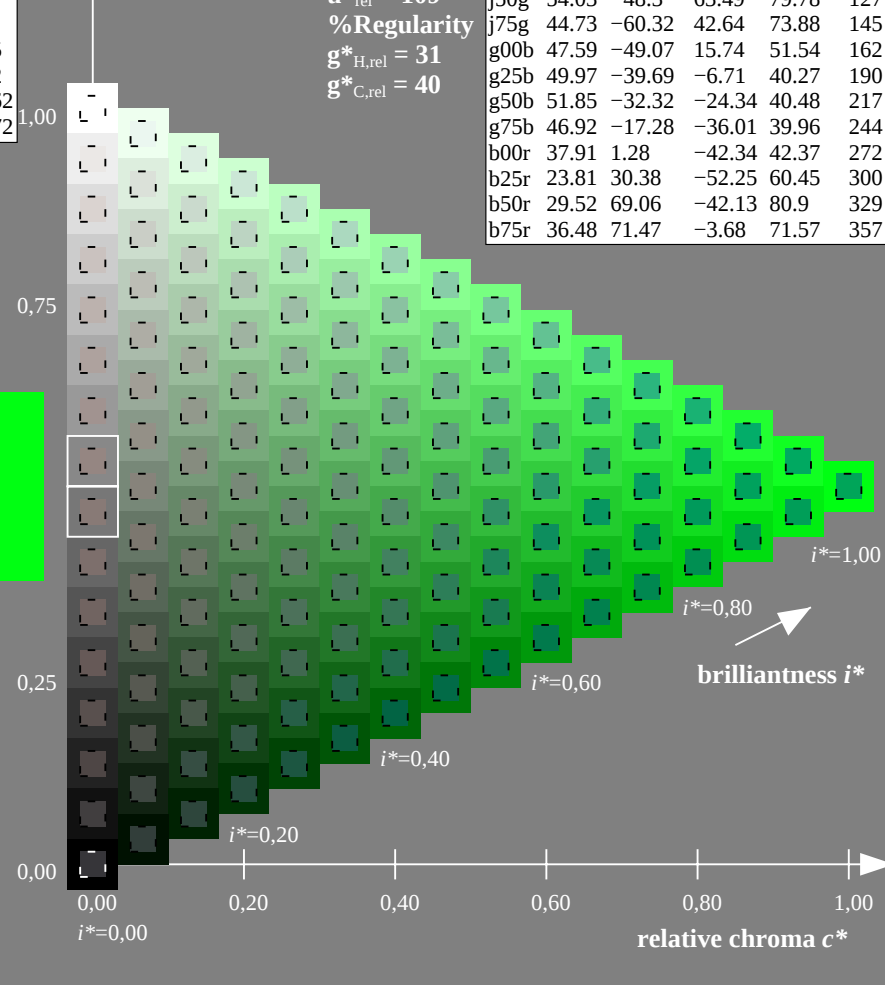
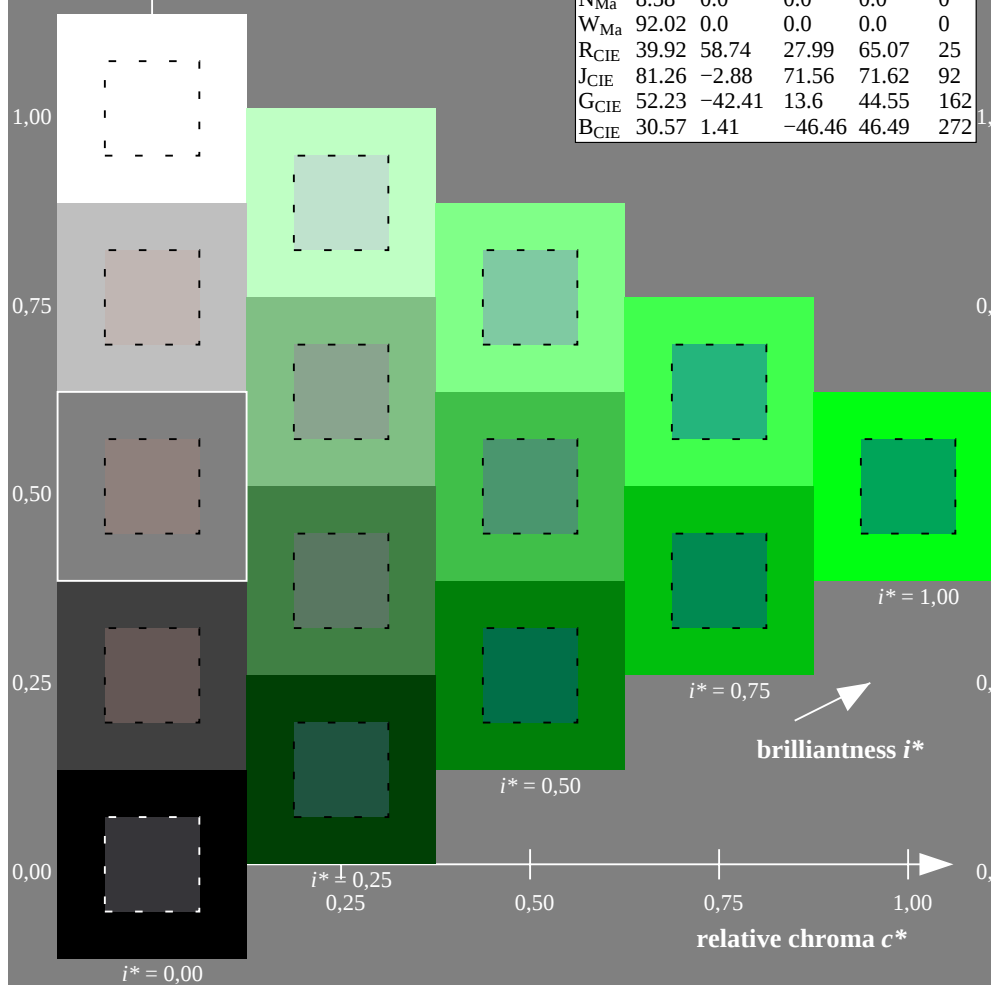
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

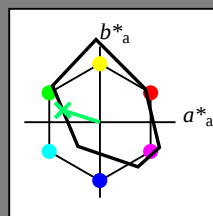
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

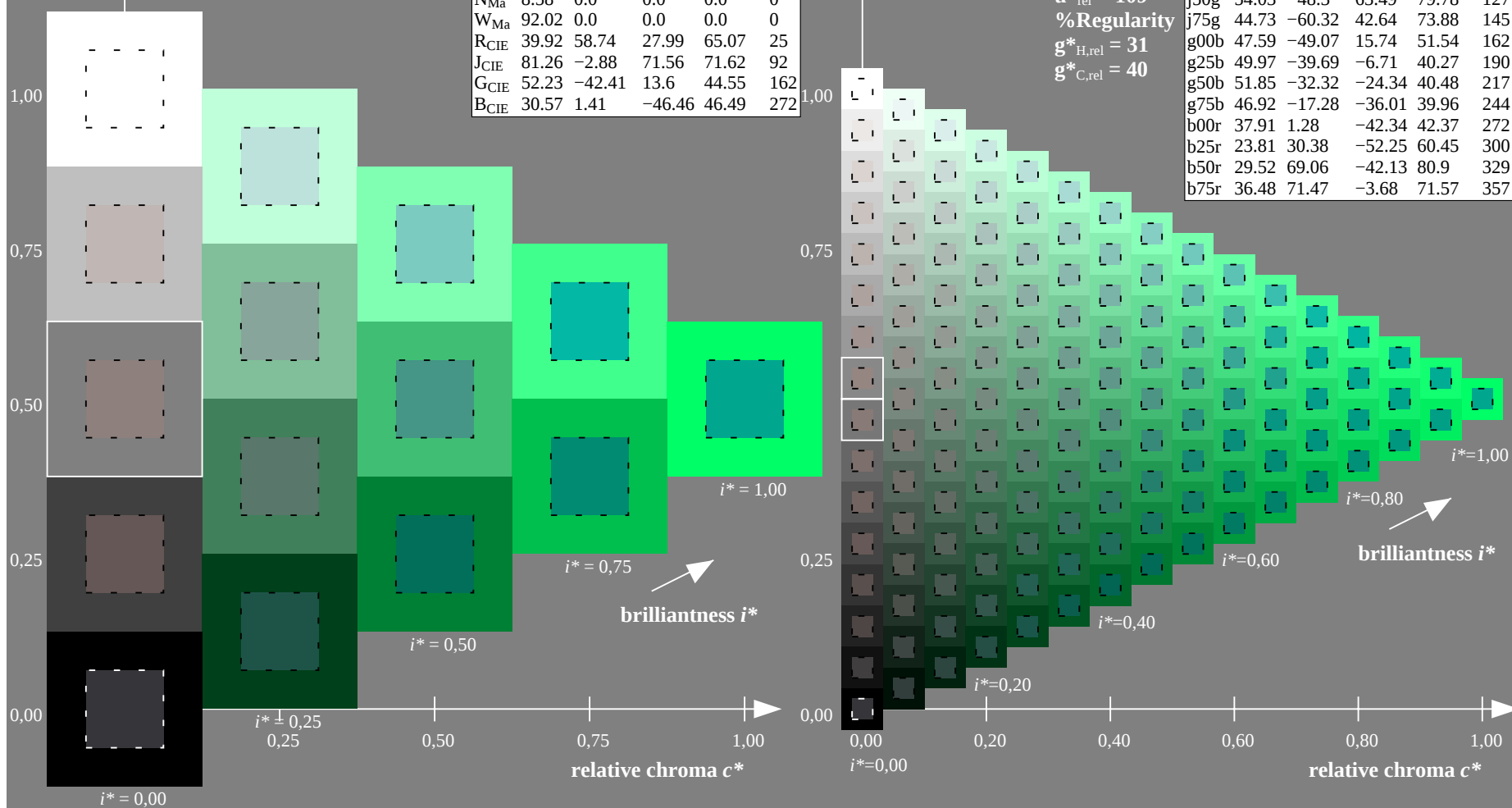
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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	-40.3	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

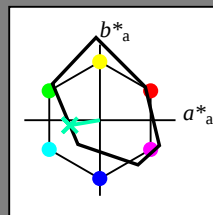
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

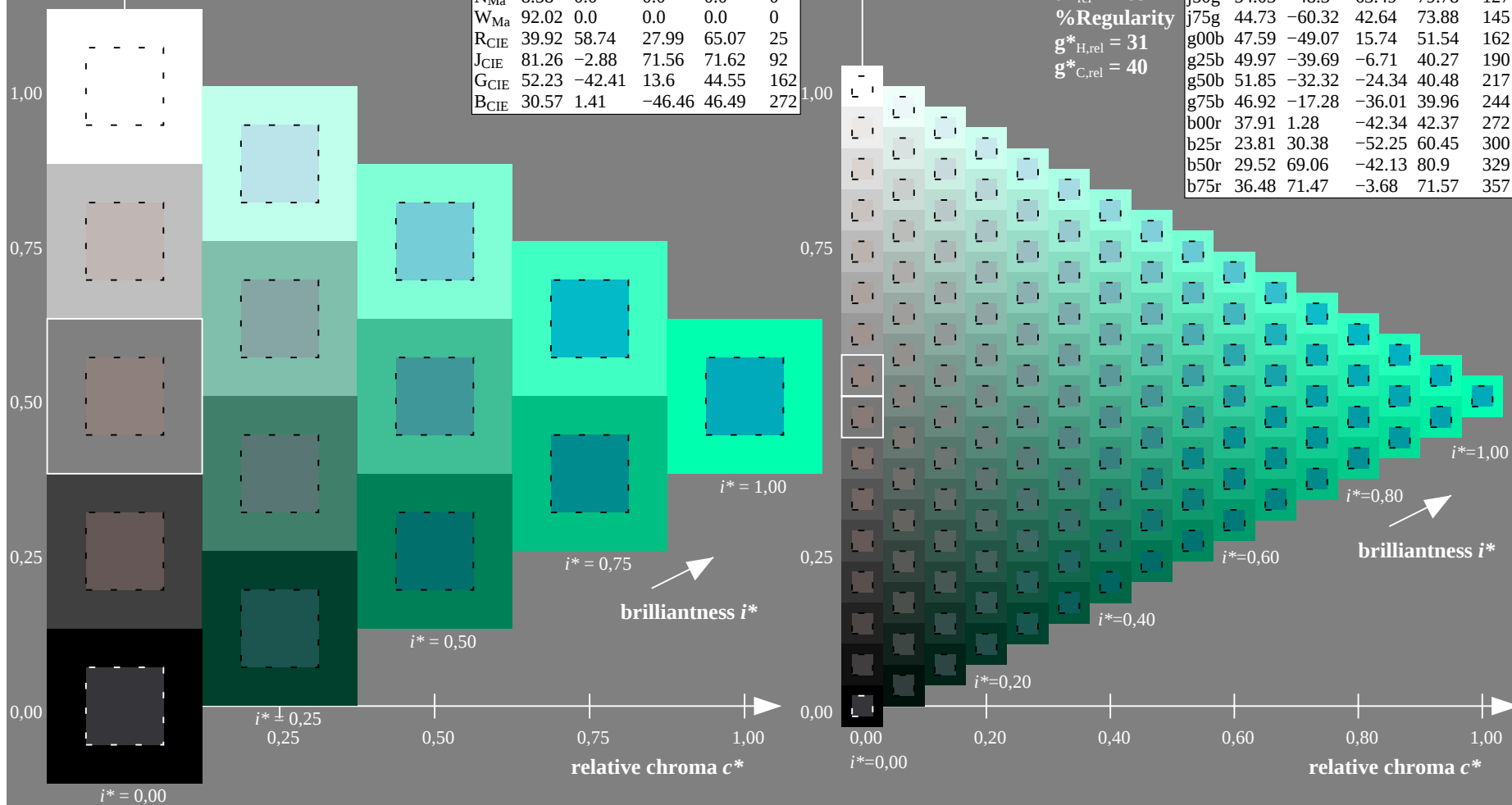
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

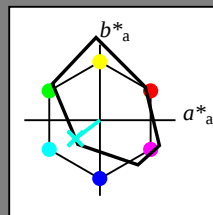
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

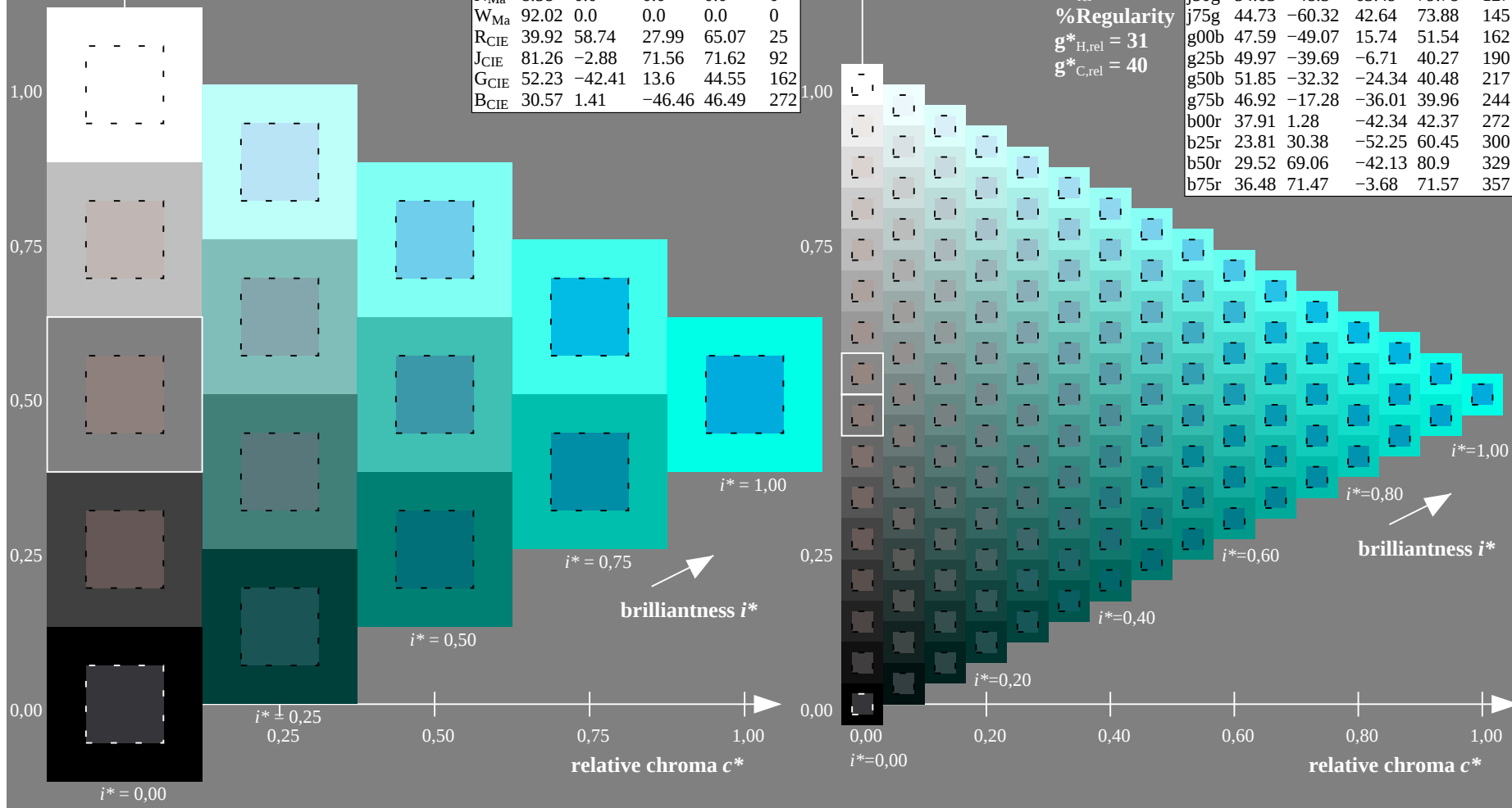
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

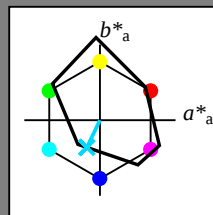
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

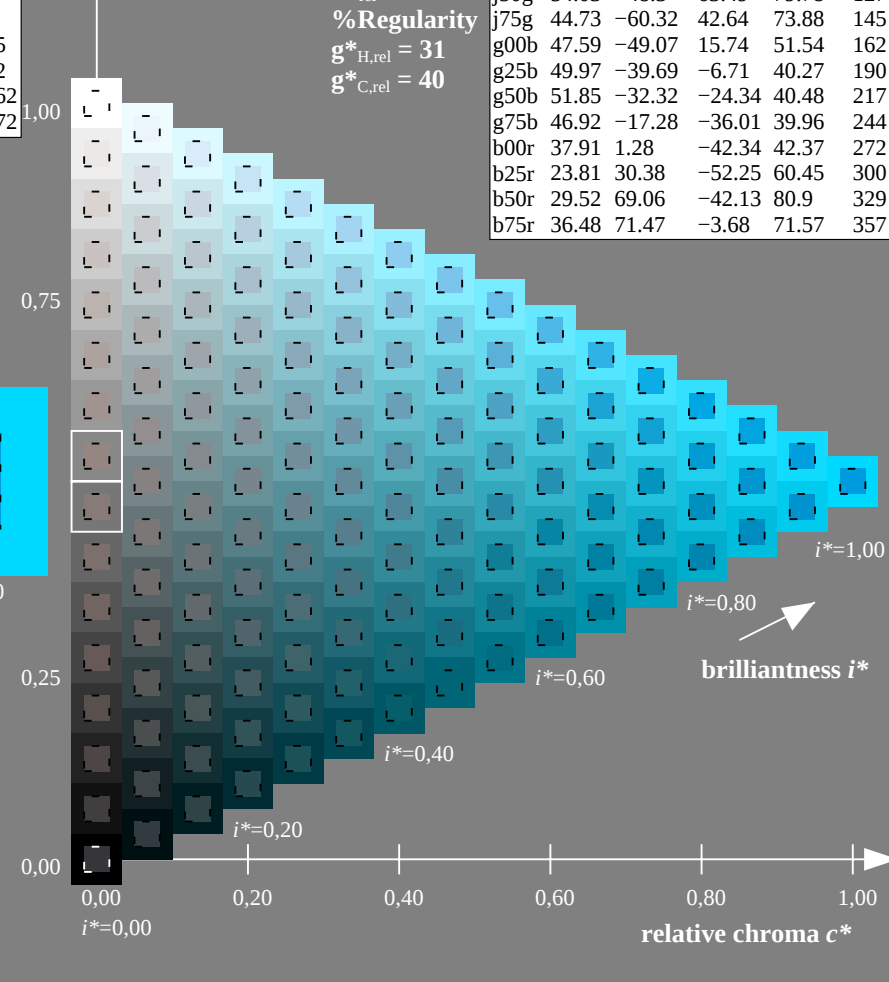
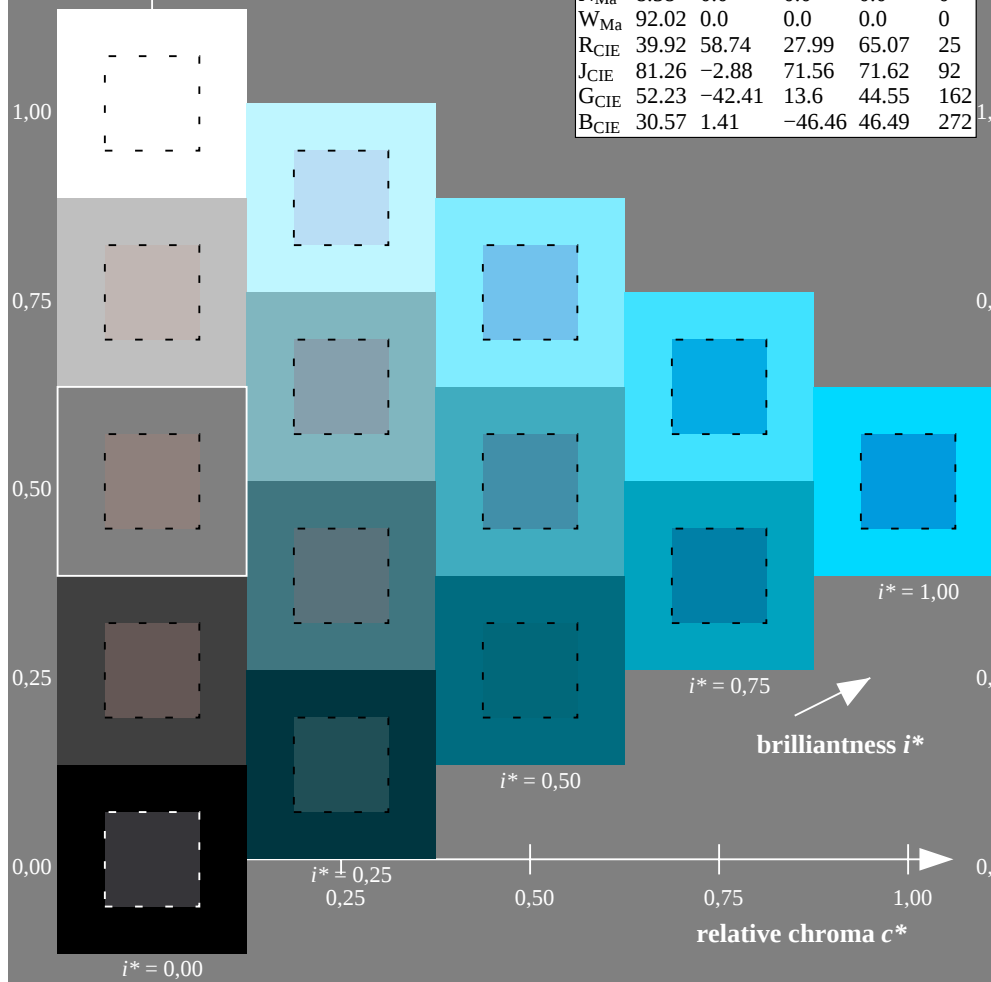
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

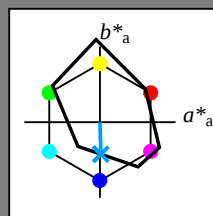
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

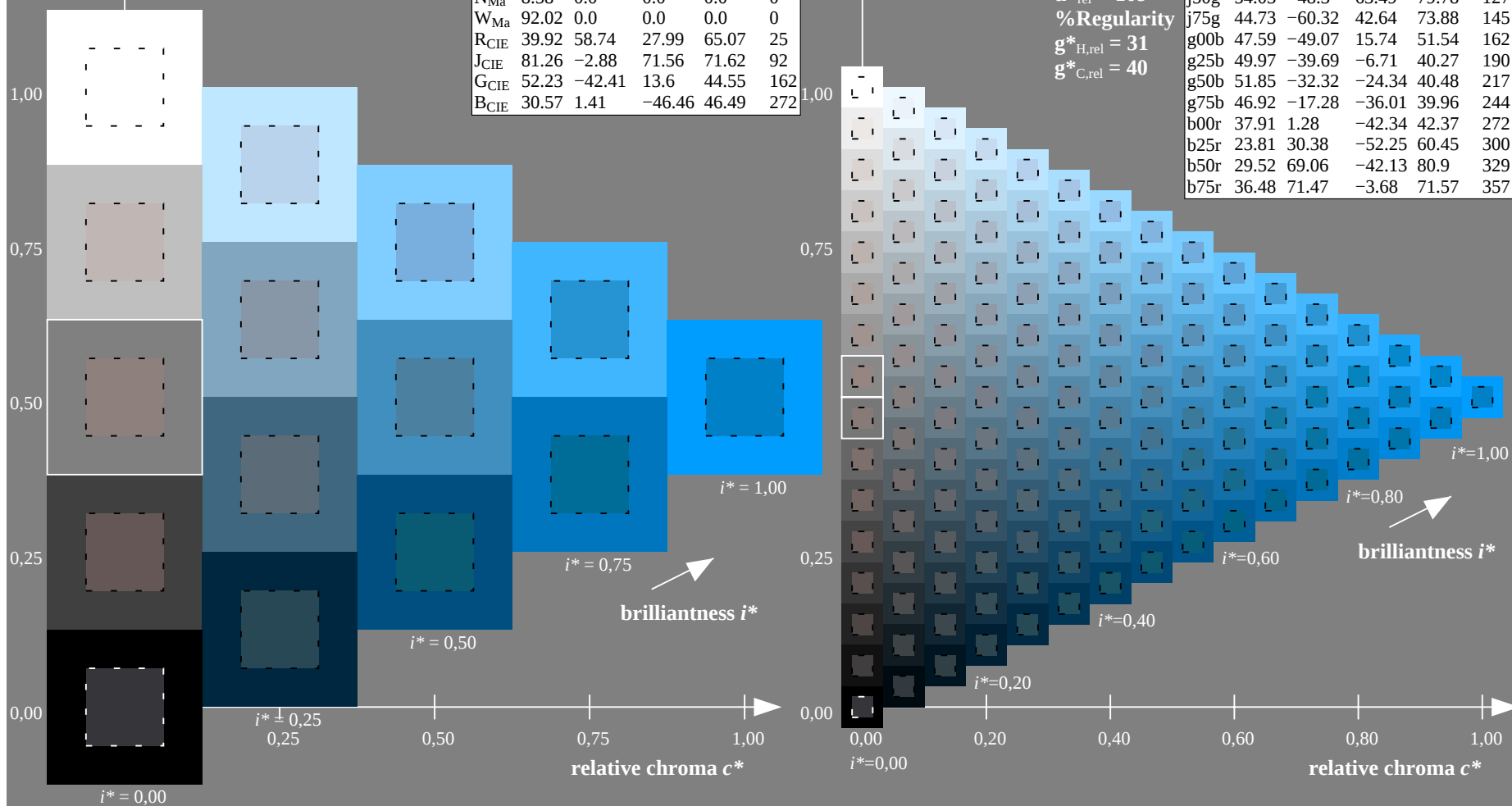
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

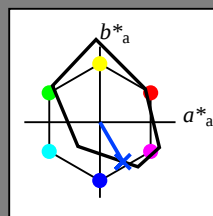
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

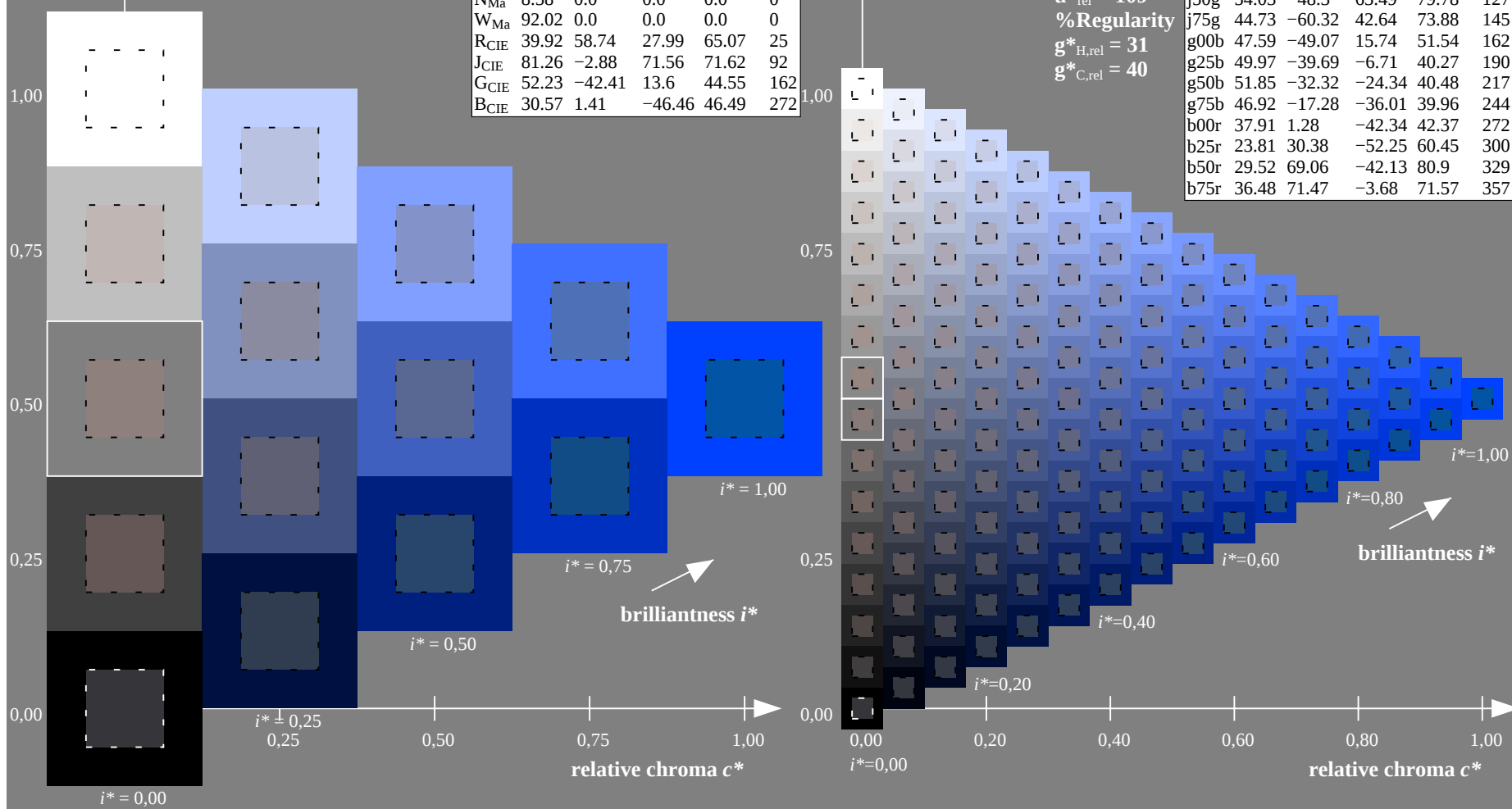
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

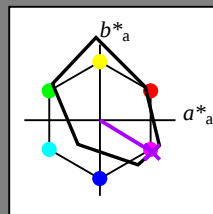
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

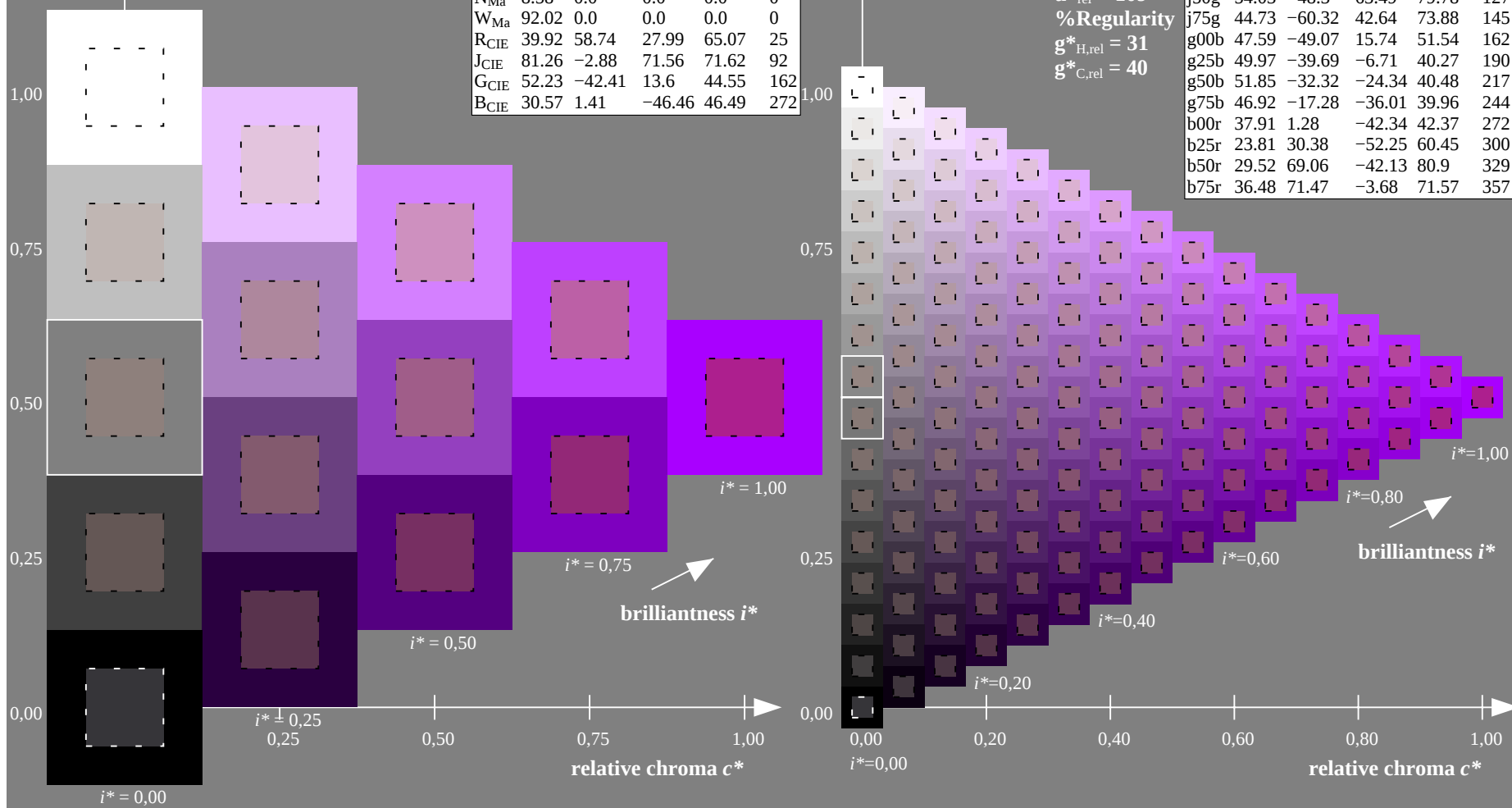
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

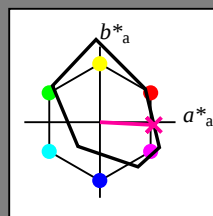
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

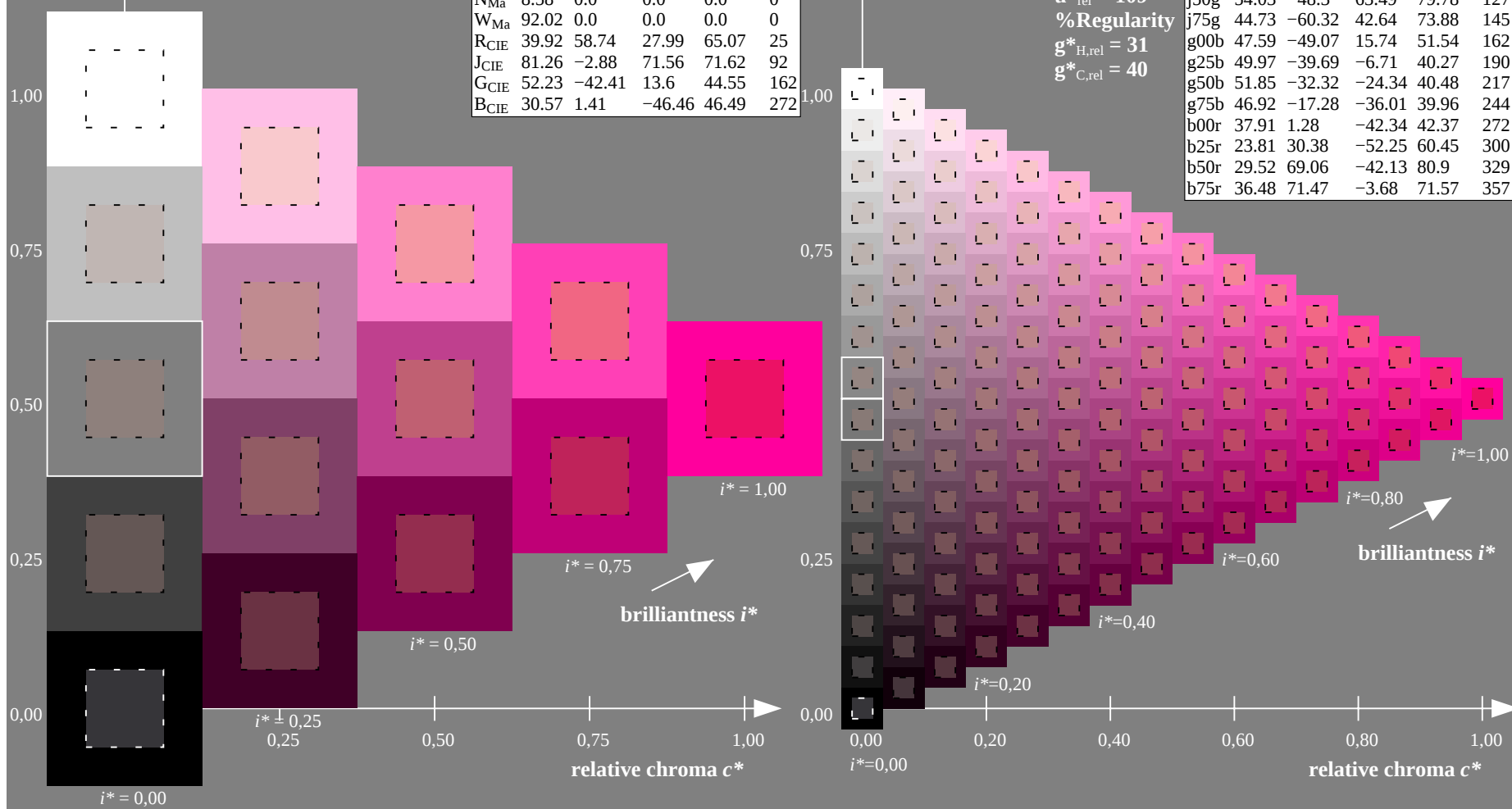
%Regularity

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

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

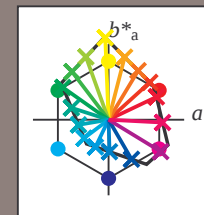
FRS09_92aM; adapted (a) CIELAB data

	$L^*=L^*_a$	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



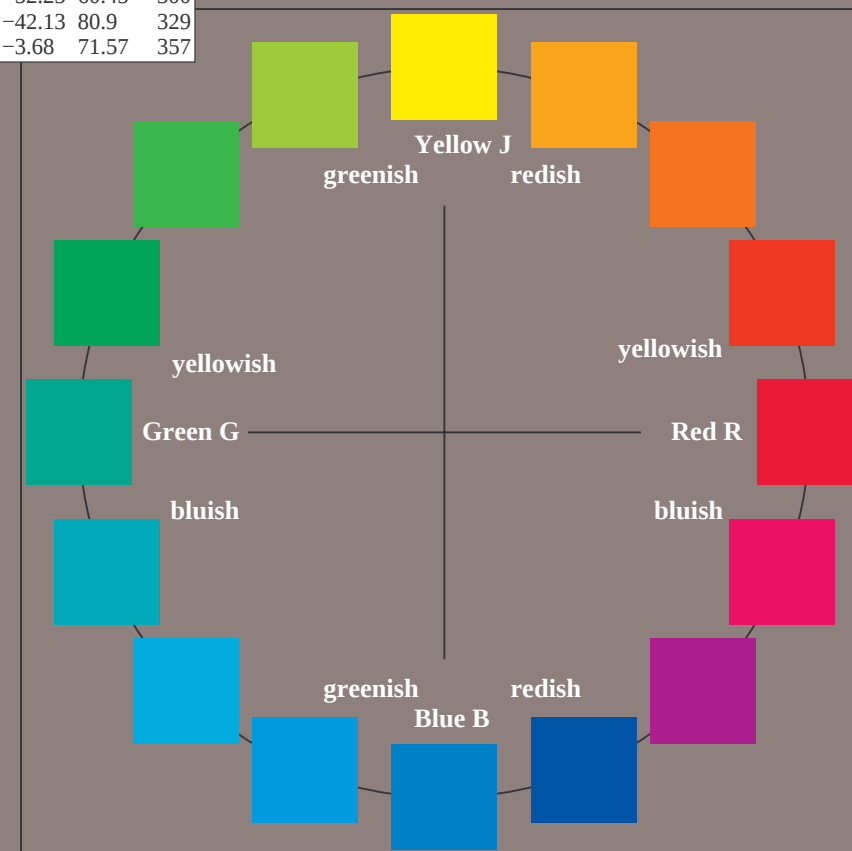
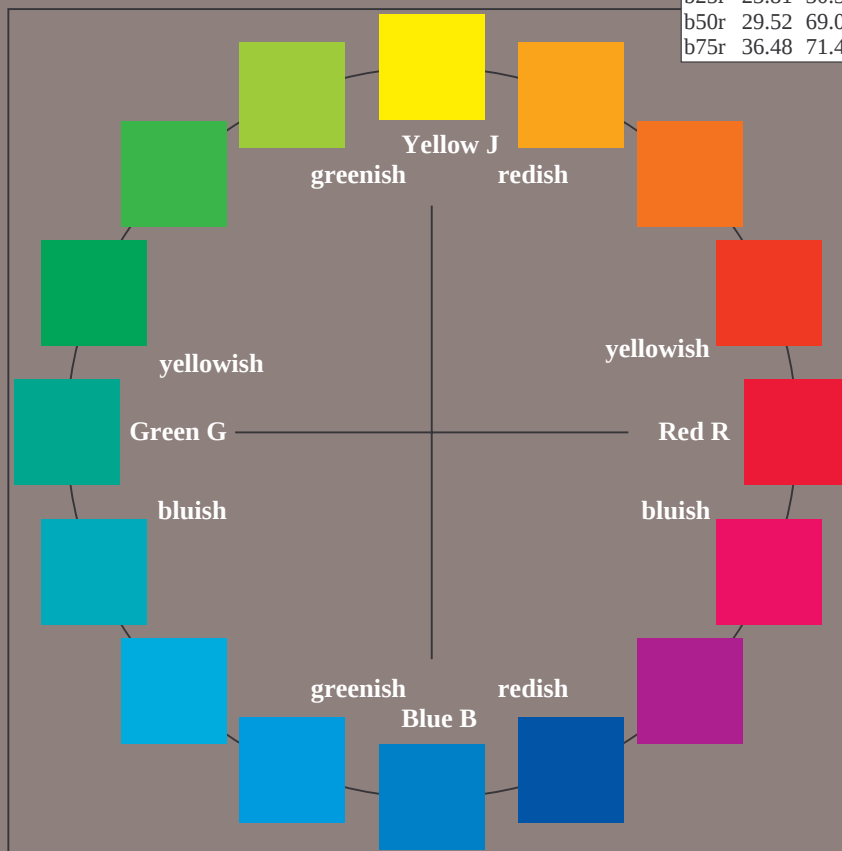
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

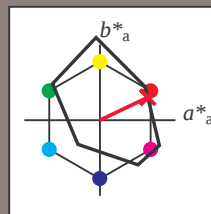
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

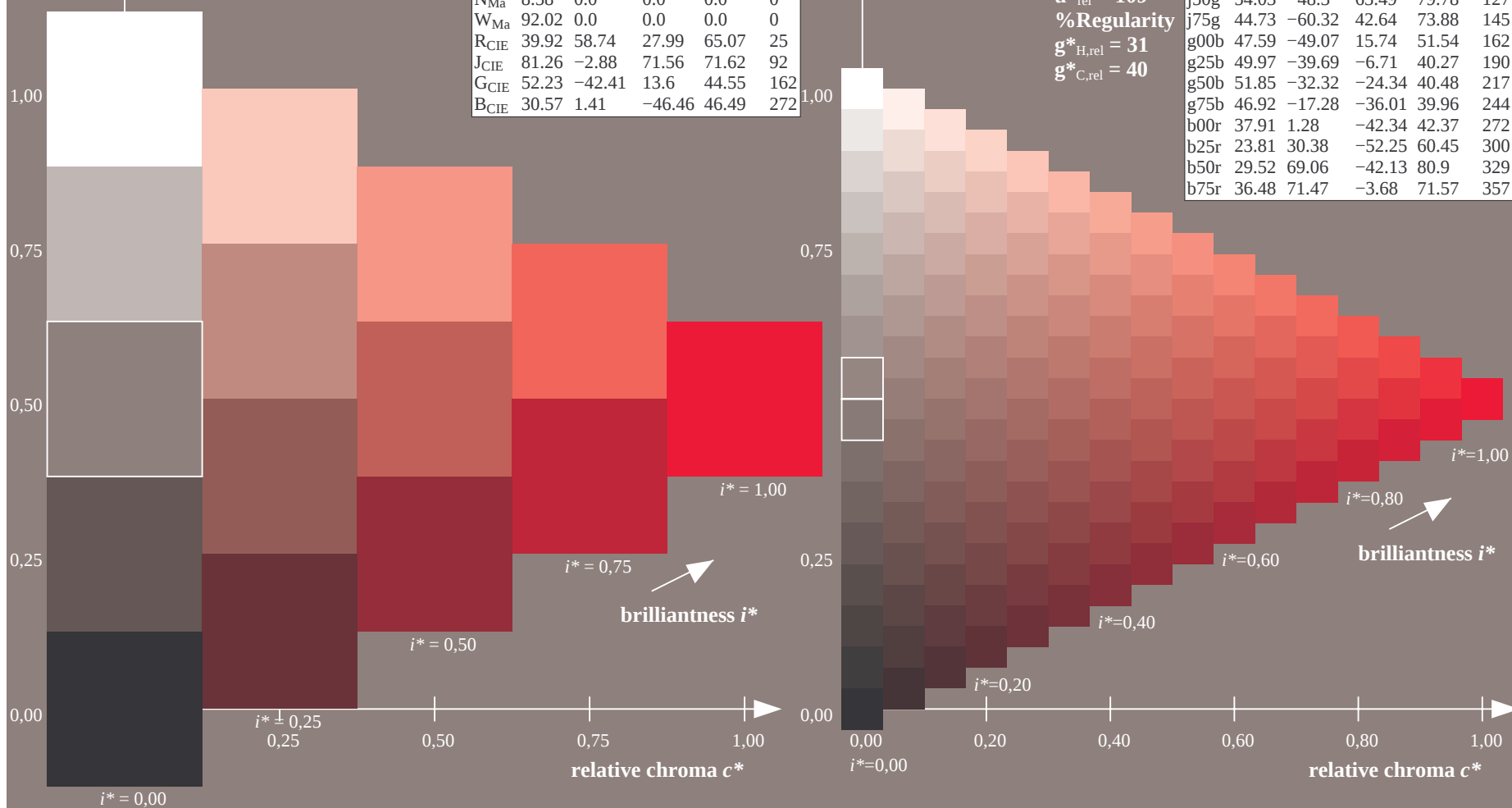
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

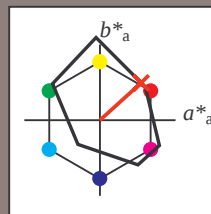
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

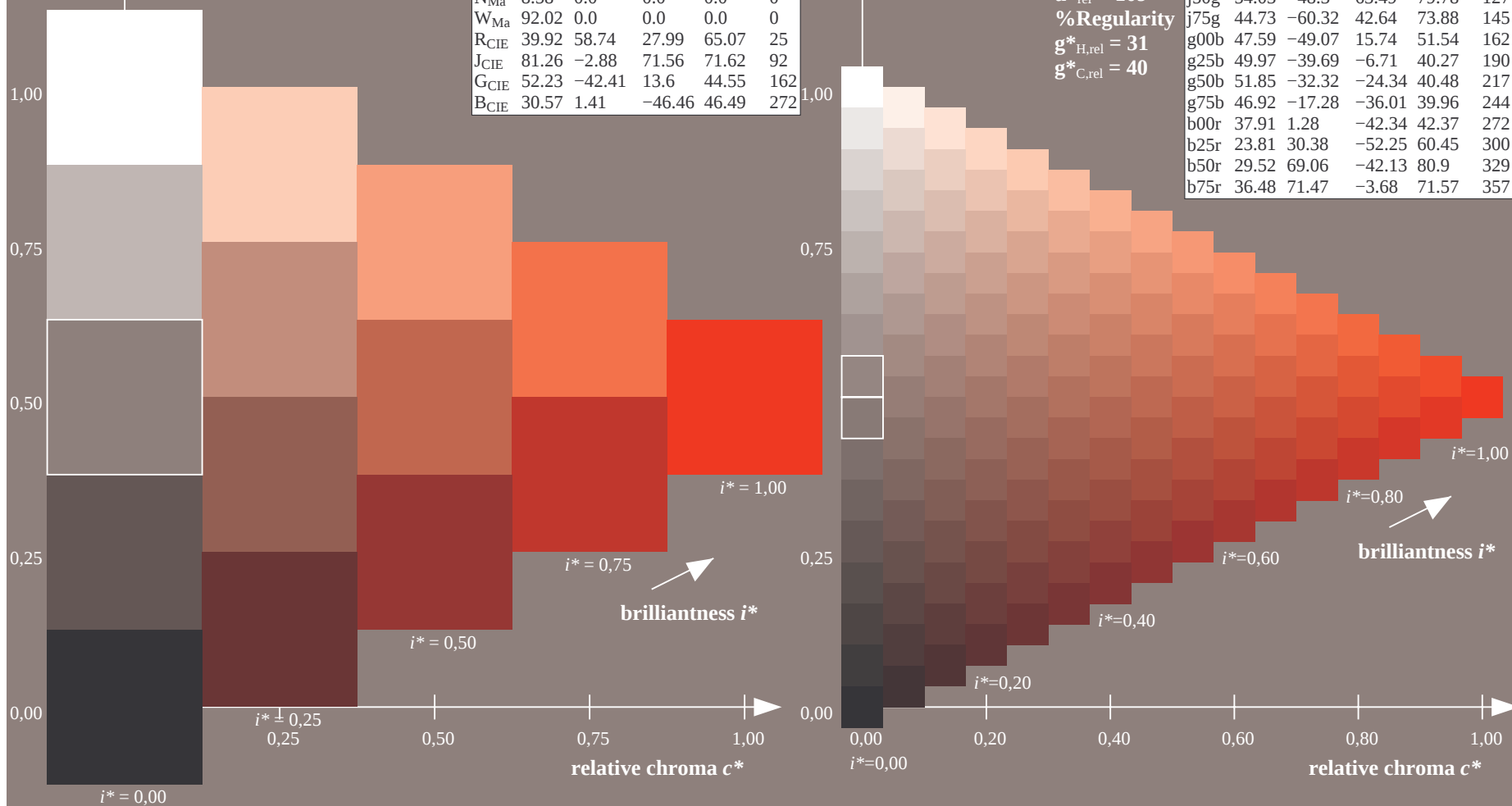
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

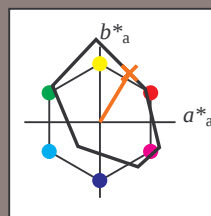
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

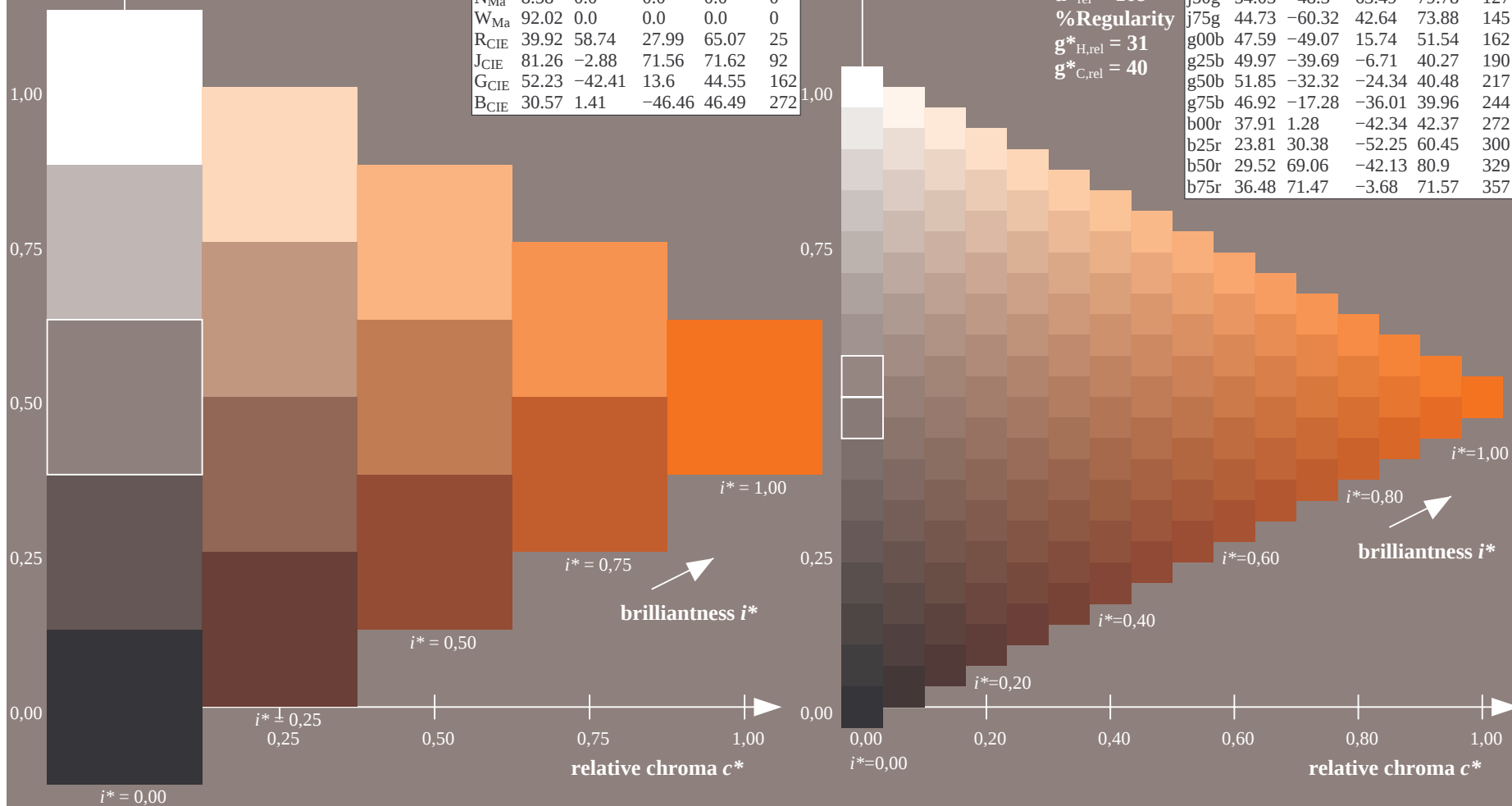
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

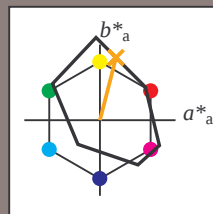
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

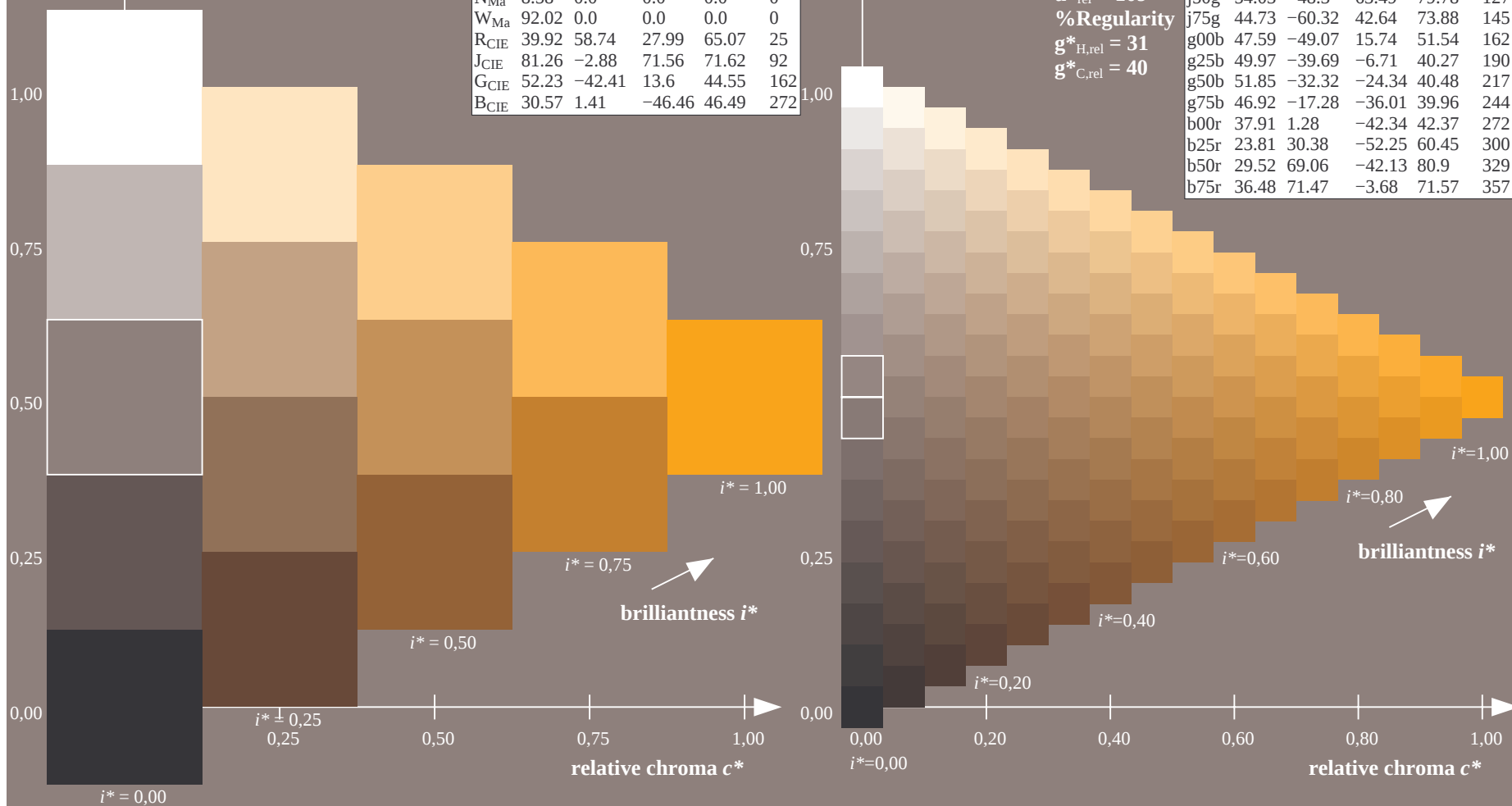
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

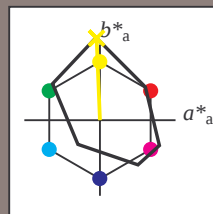
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

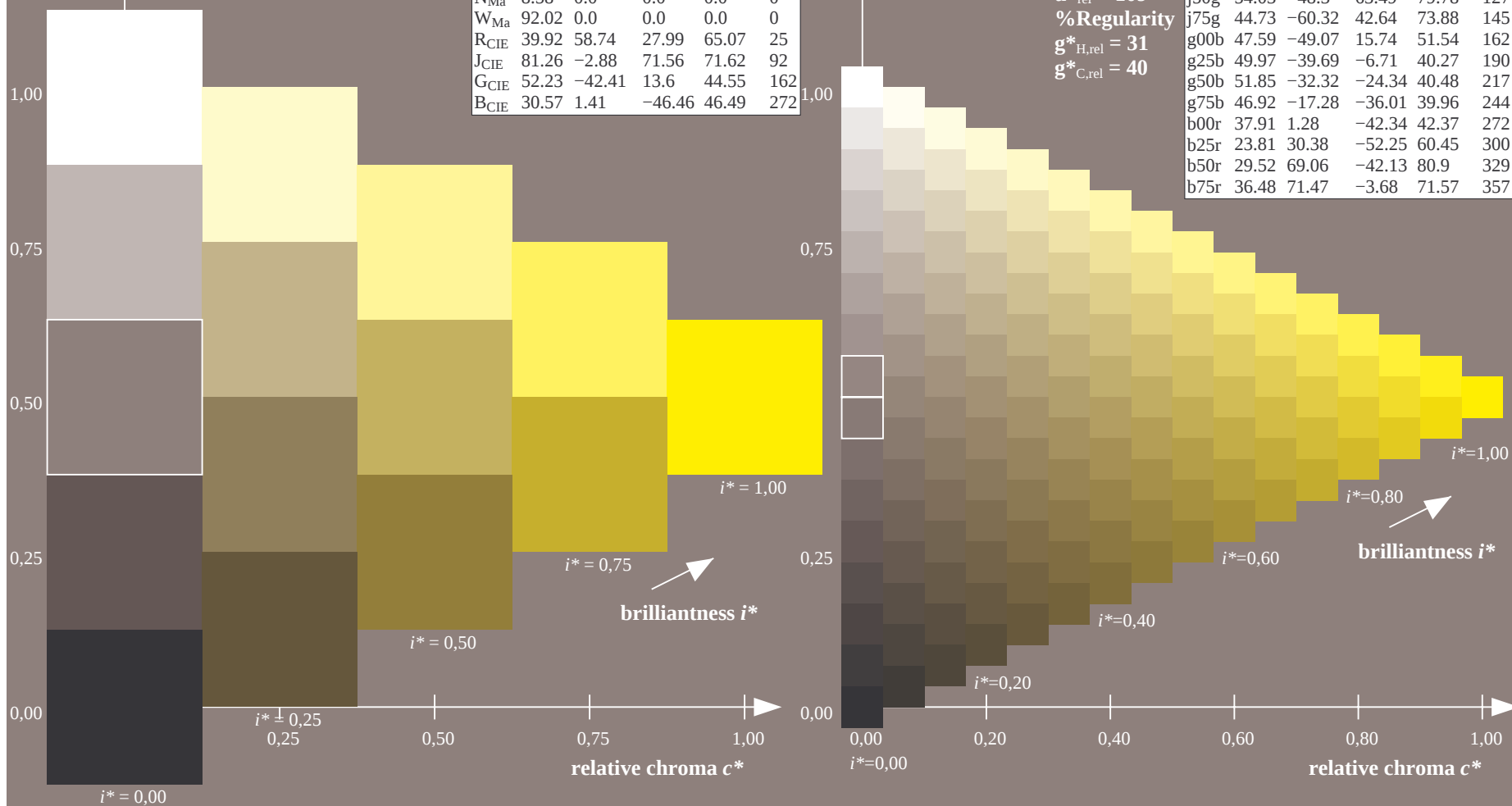
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

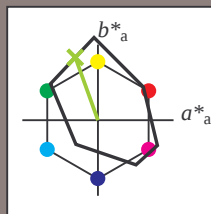
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

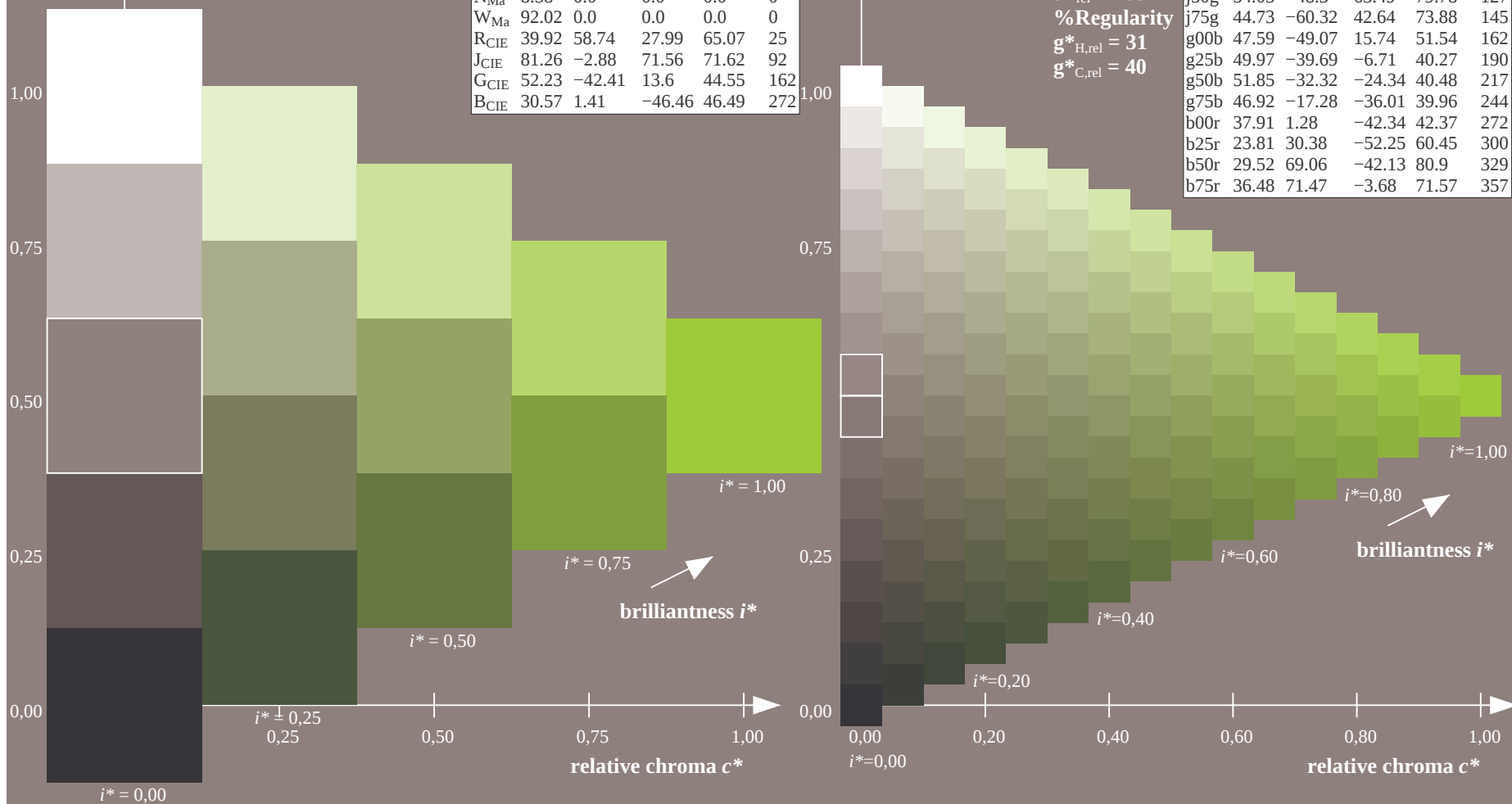
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

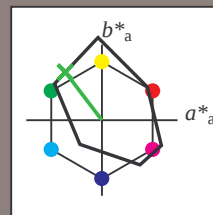
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

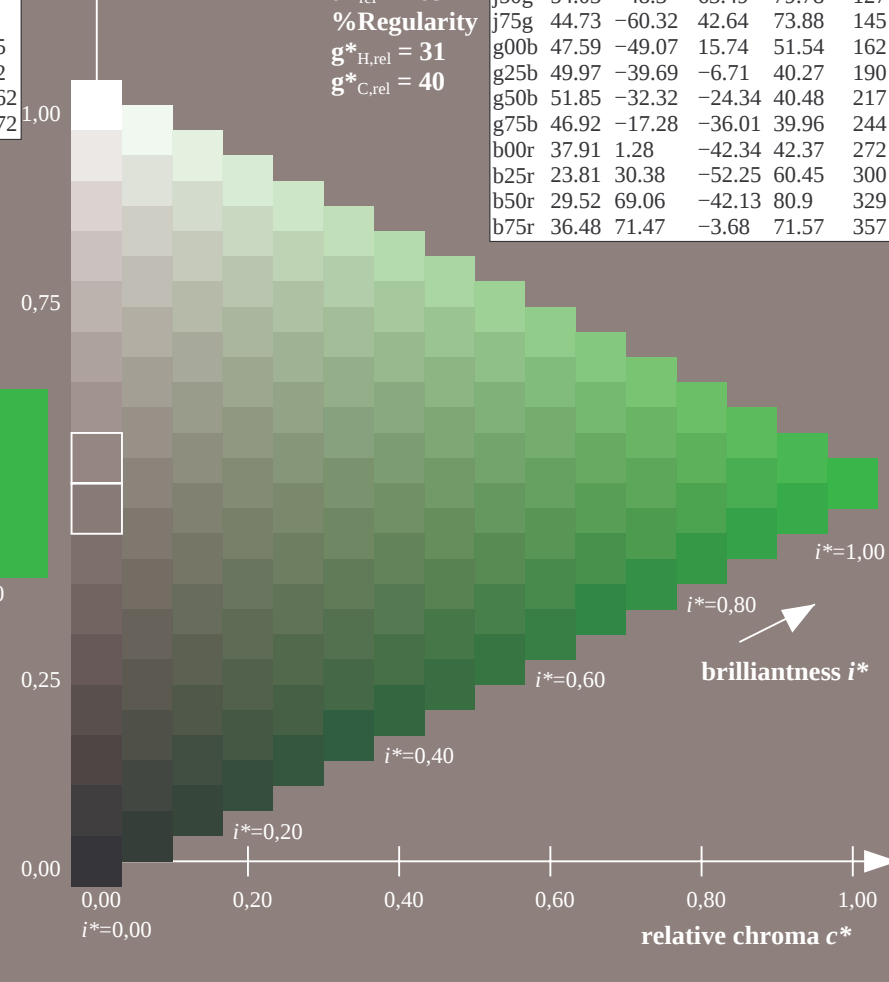
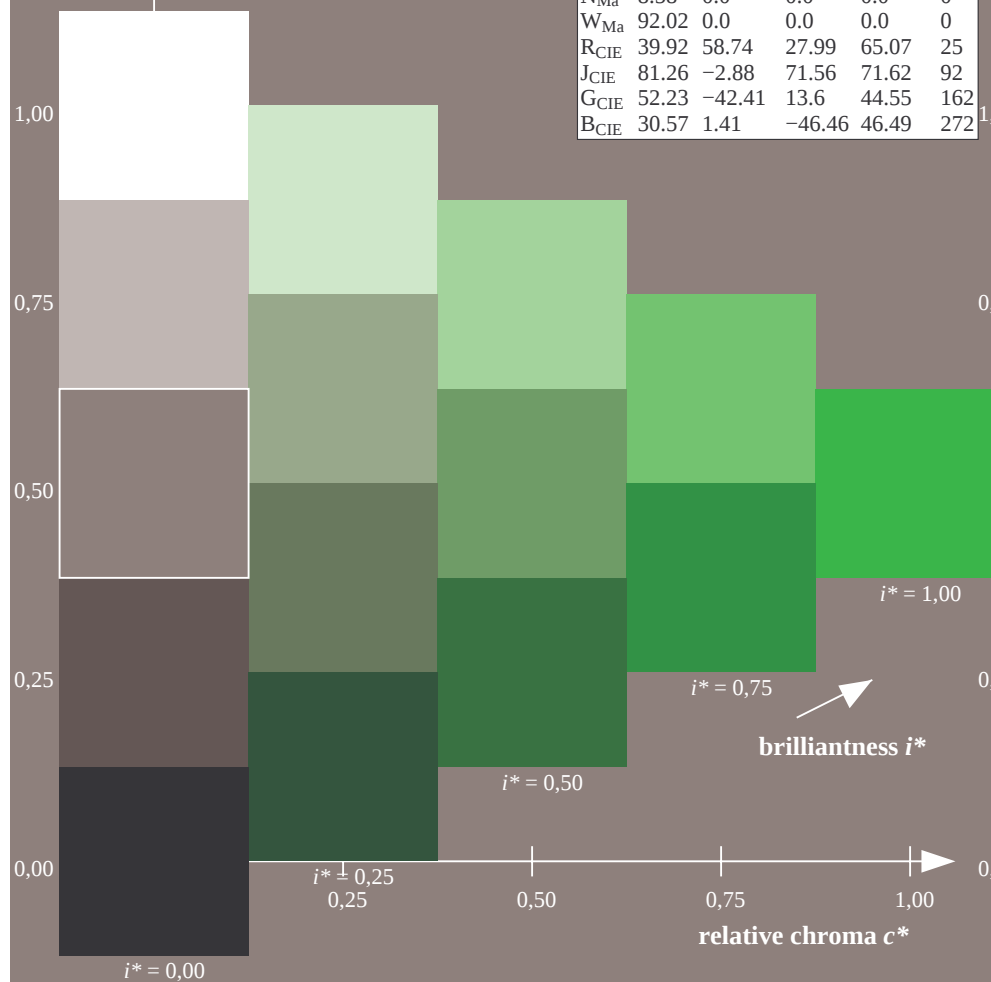
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

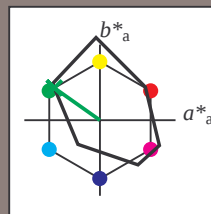
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

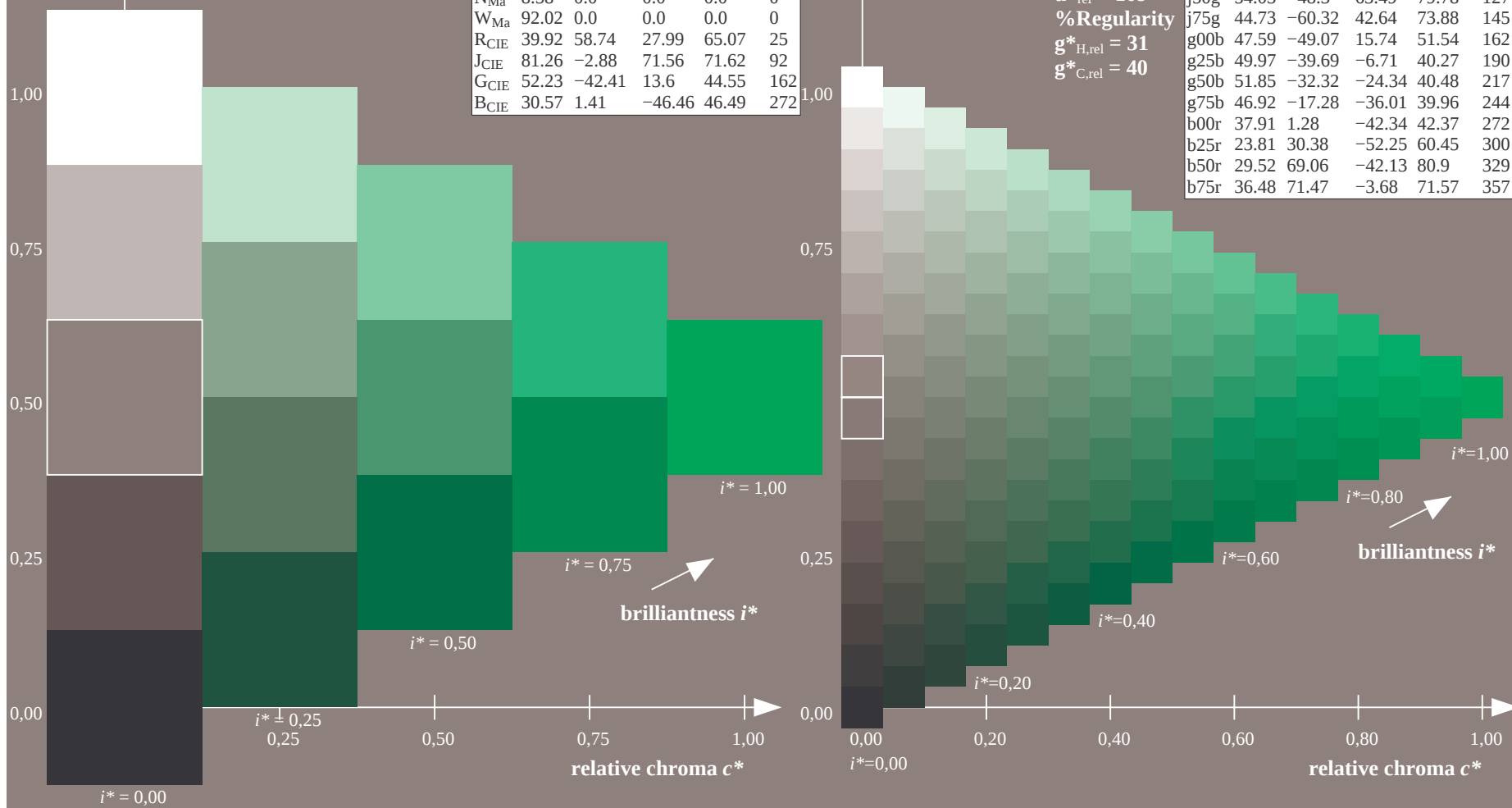
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

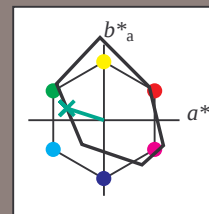
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

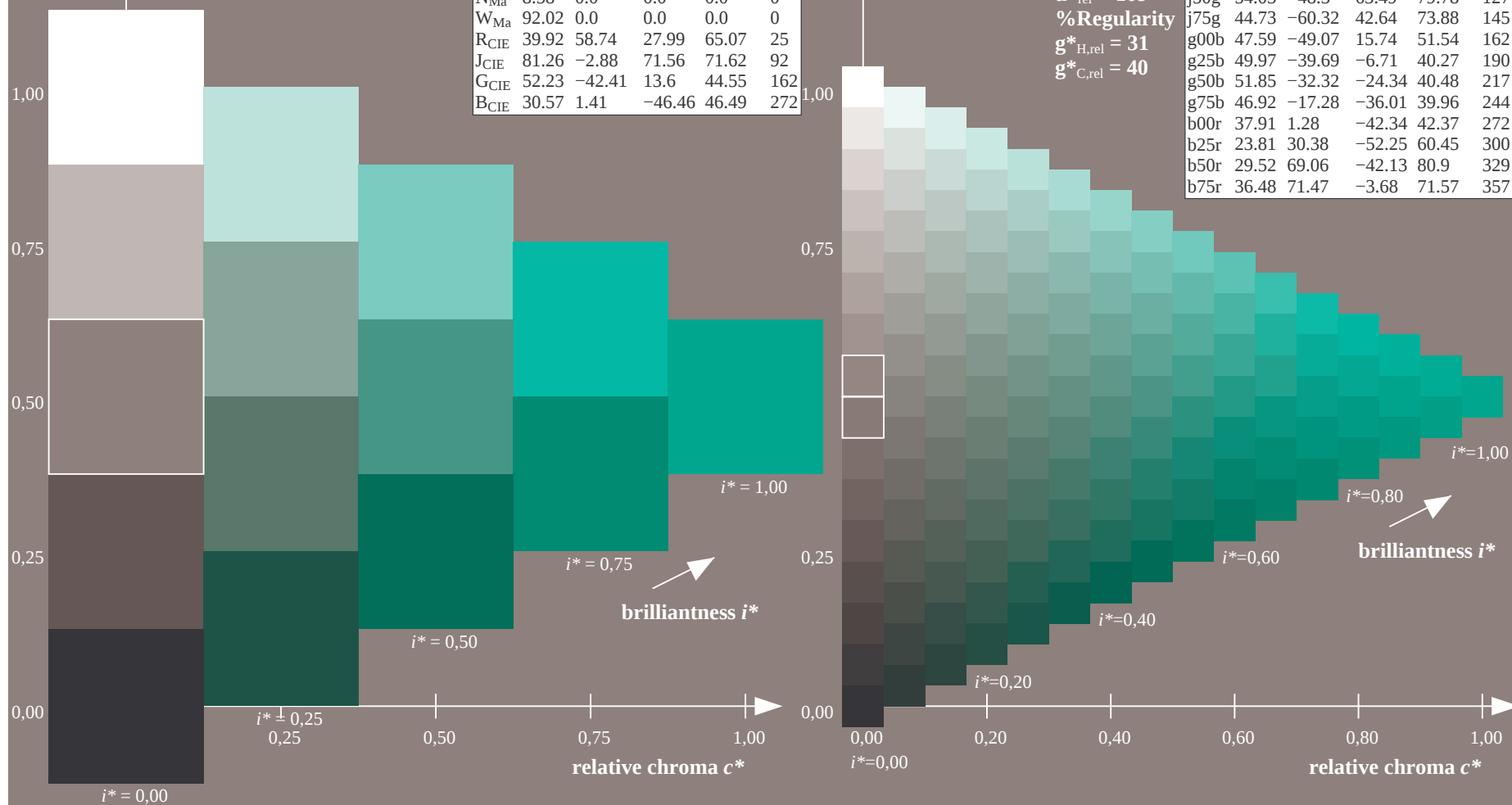
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

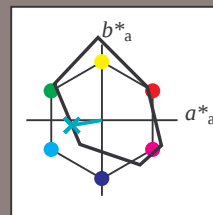
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

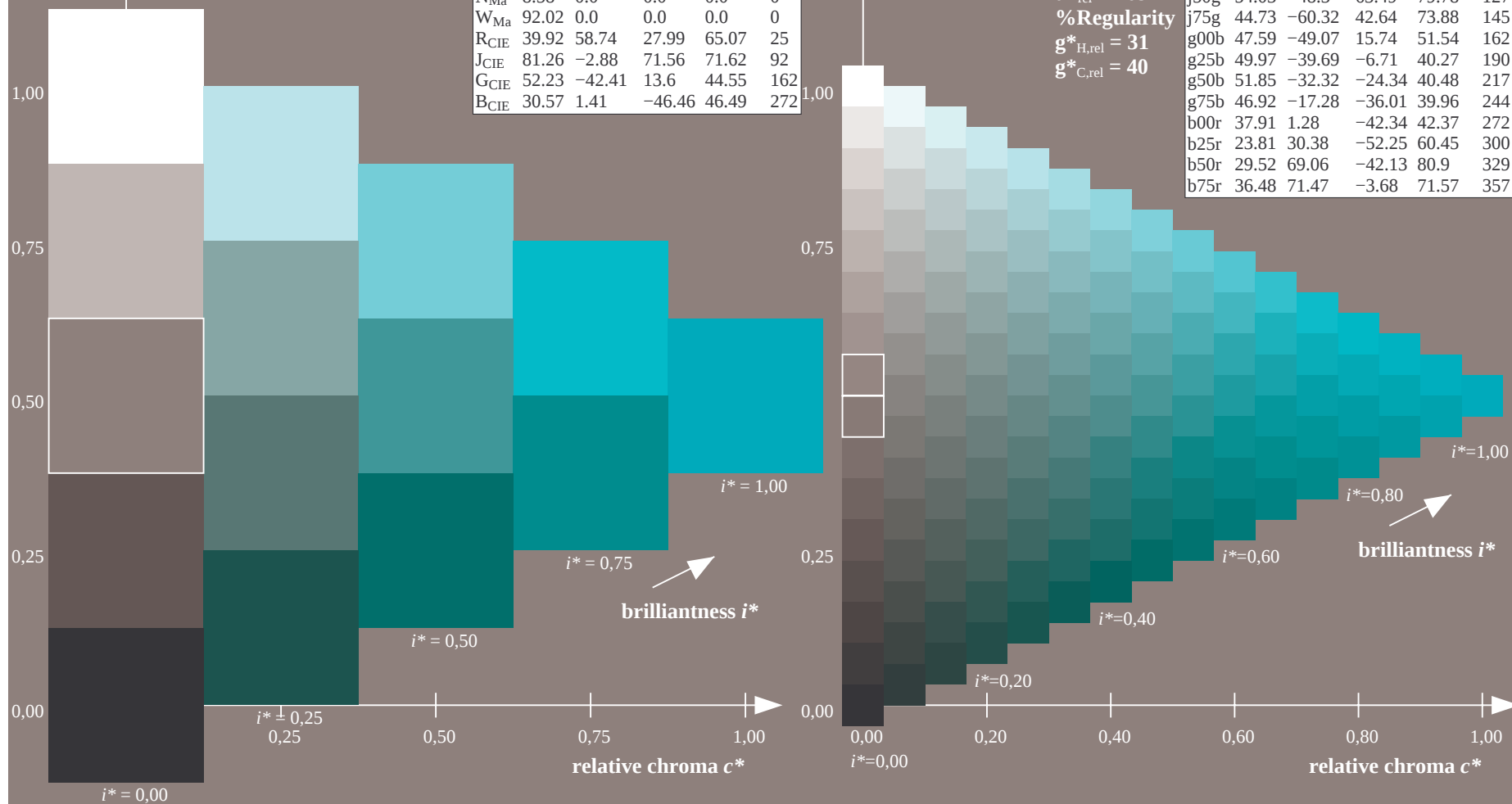
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

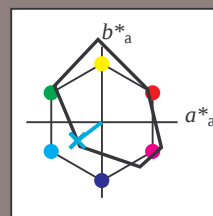
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

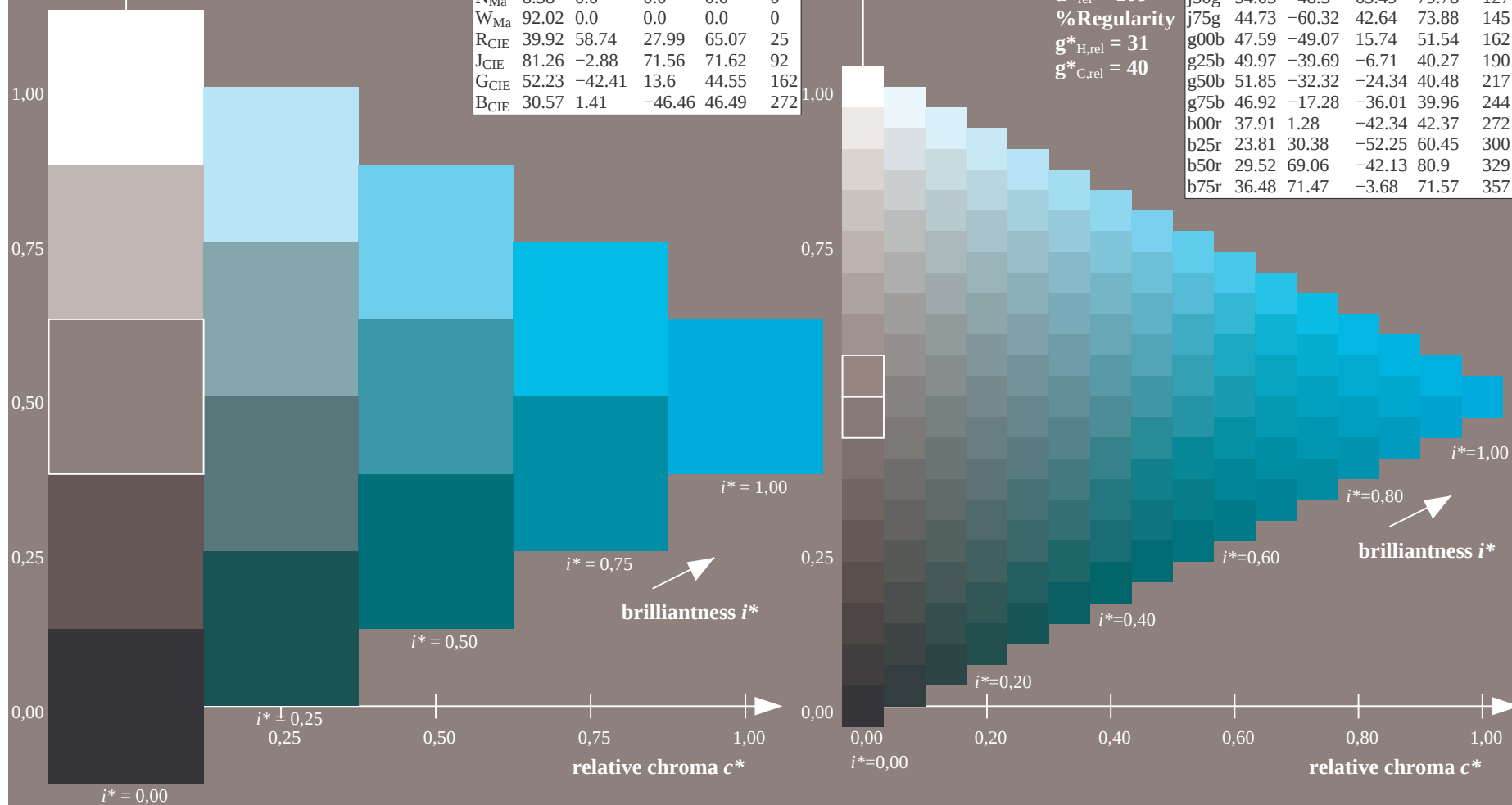
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

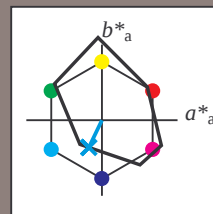
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

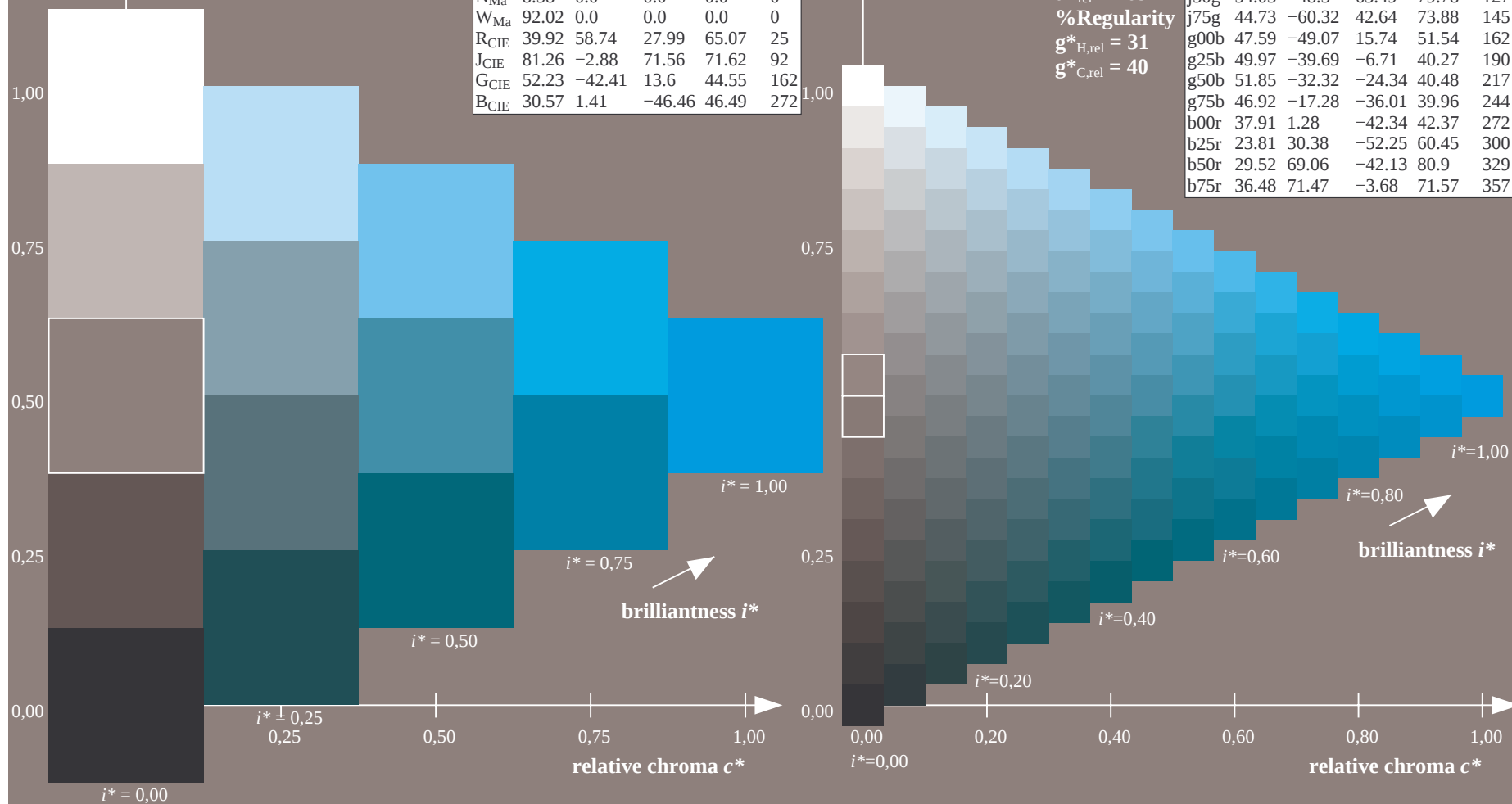
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

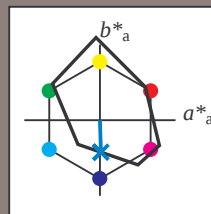
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

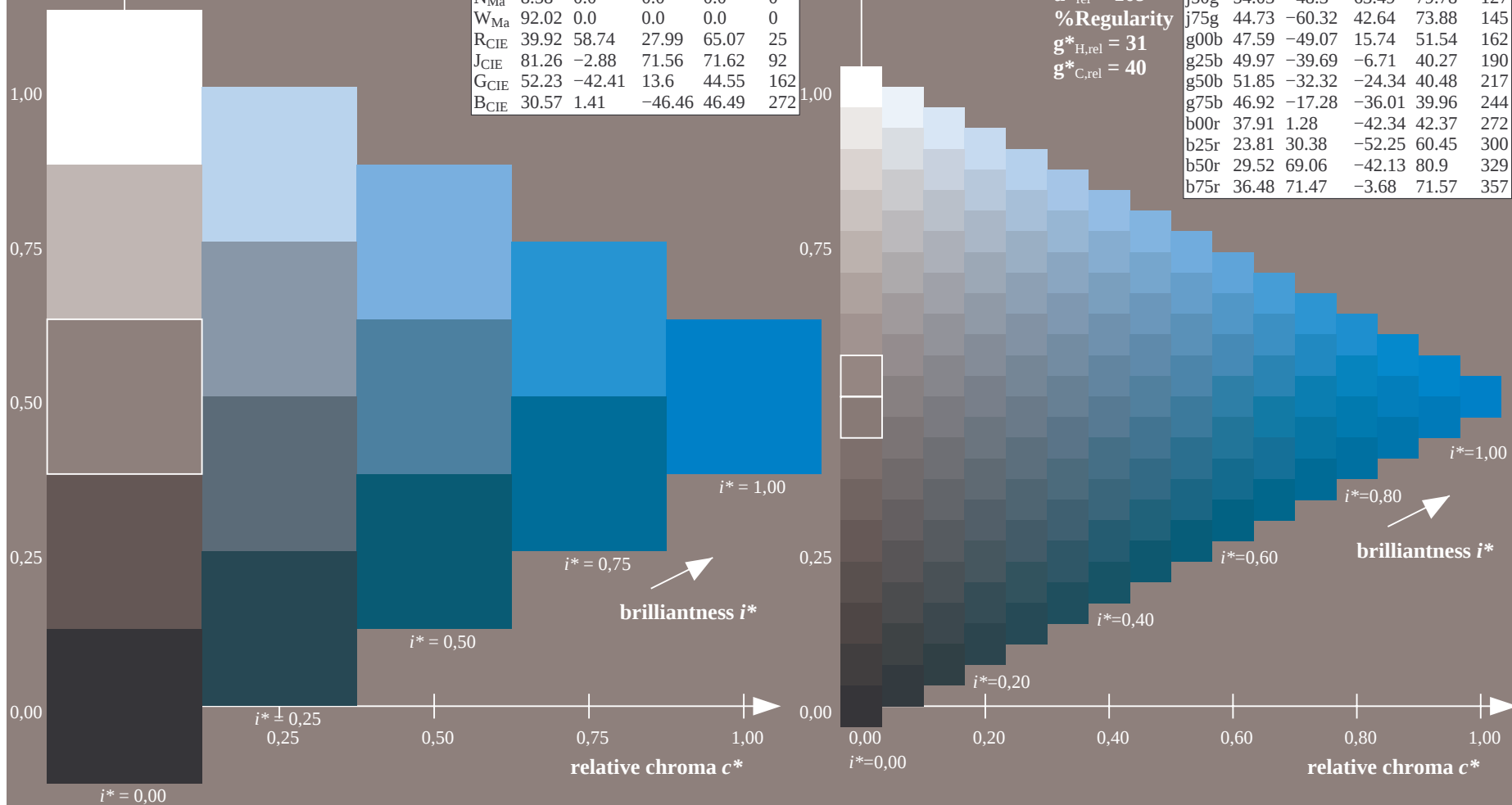
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

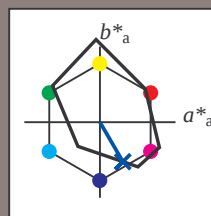
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

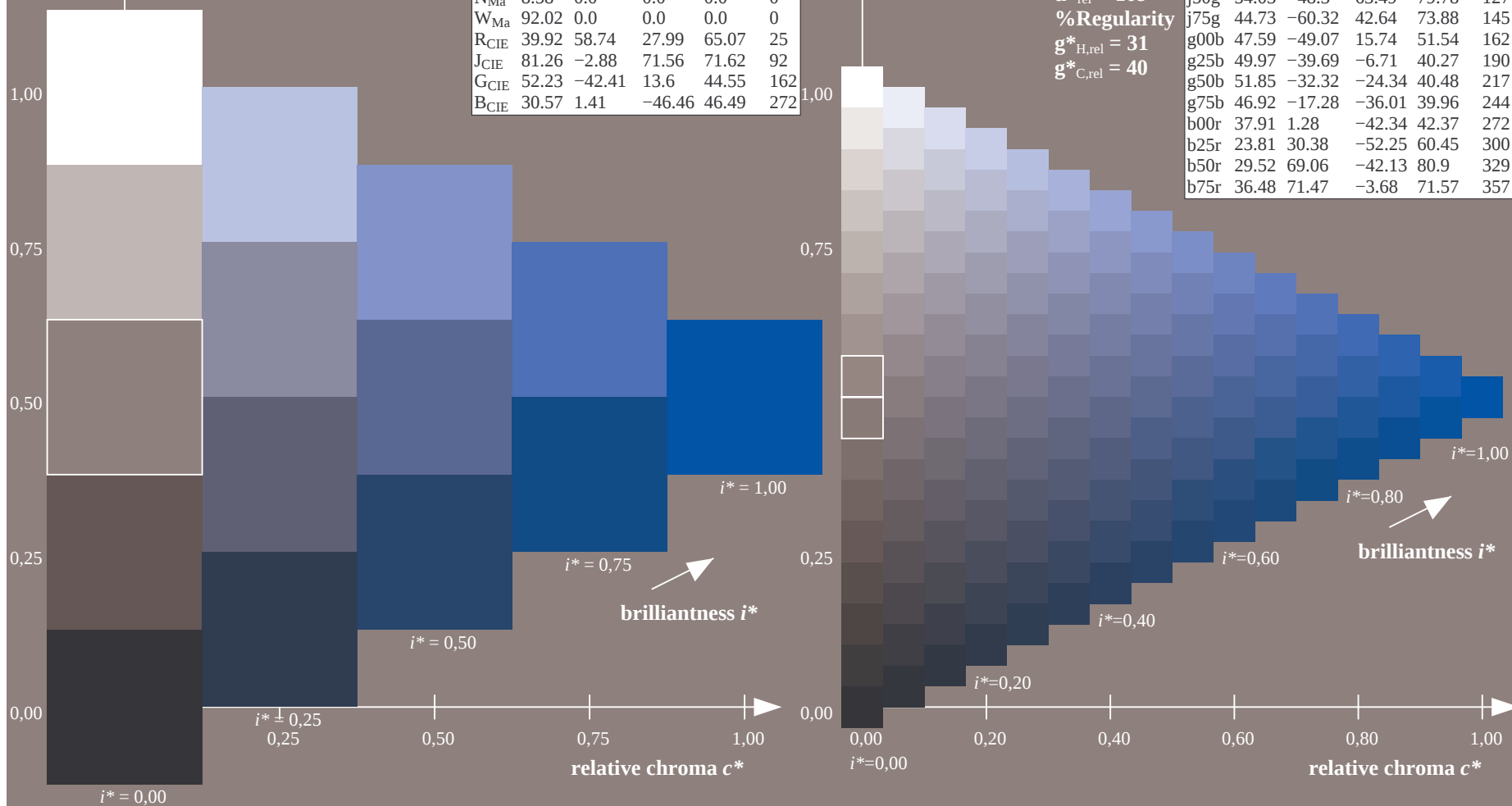
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

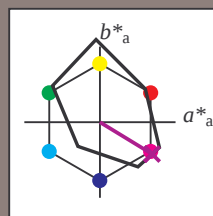
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

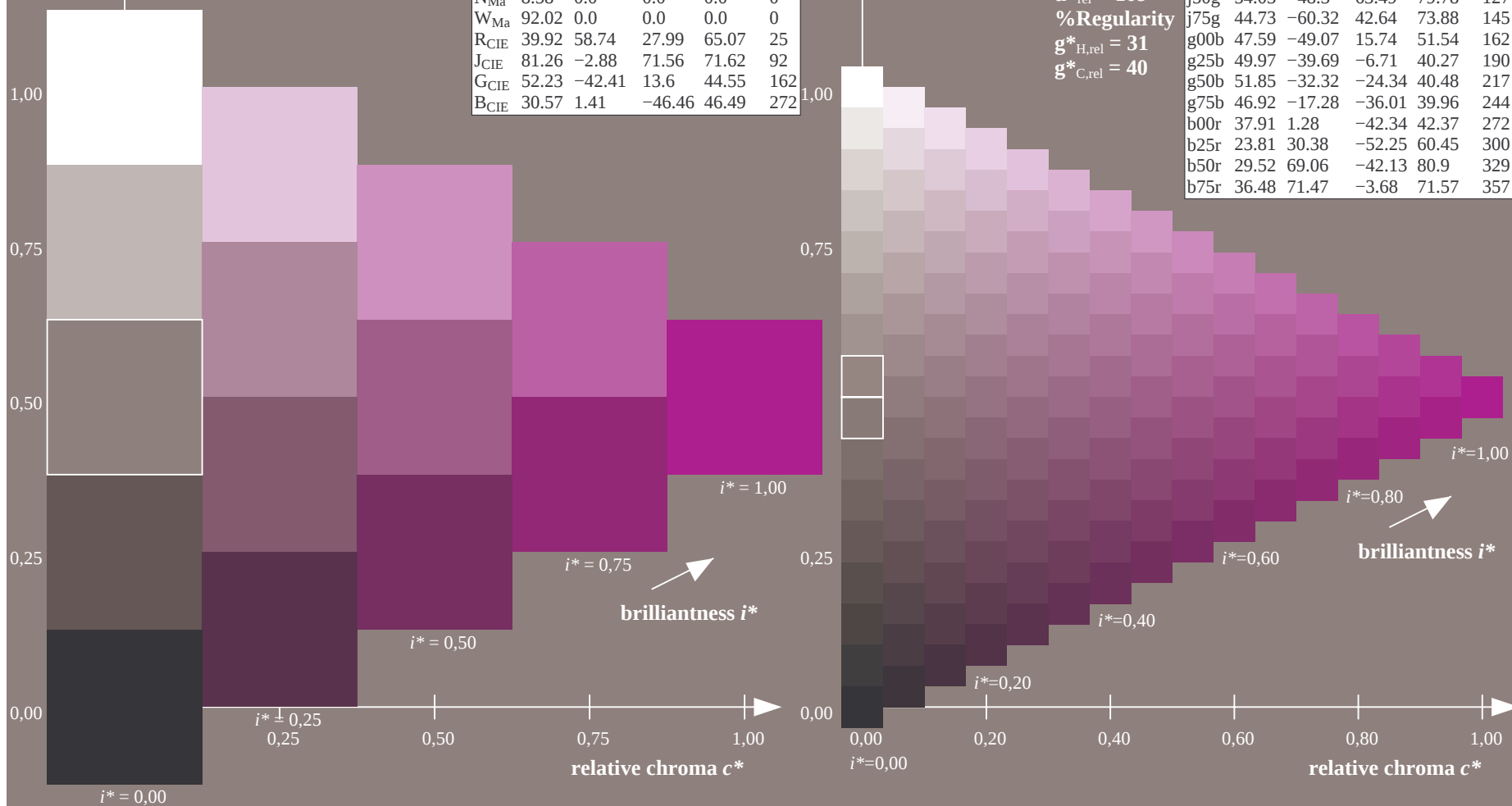
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

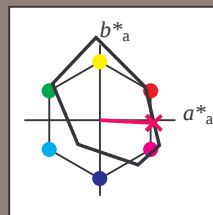
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

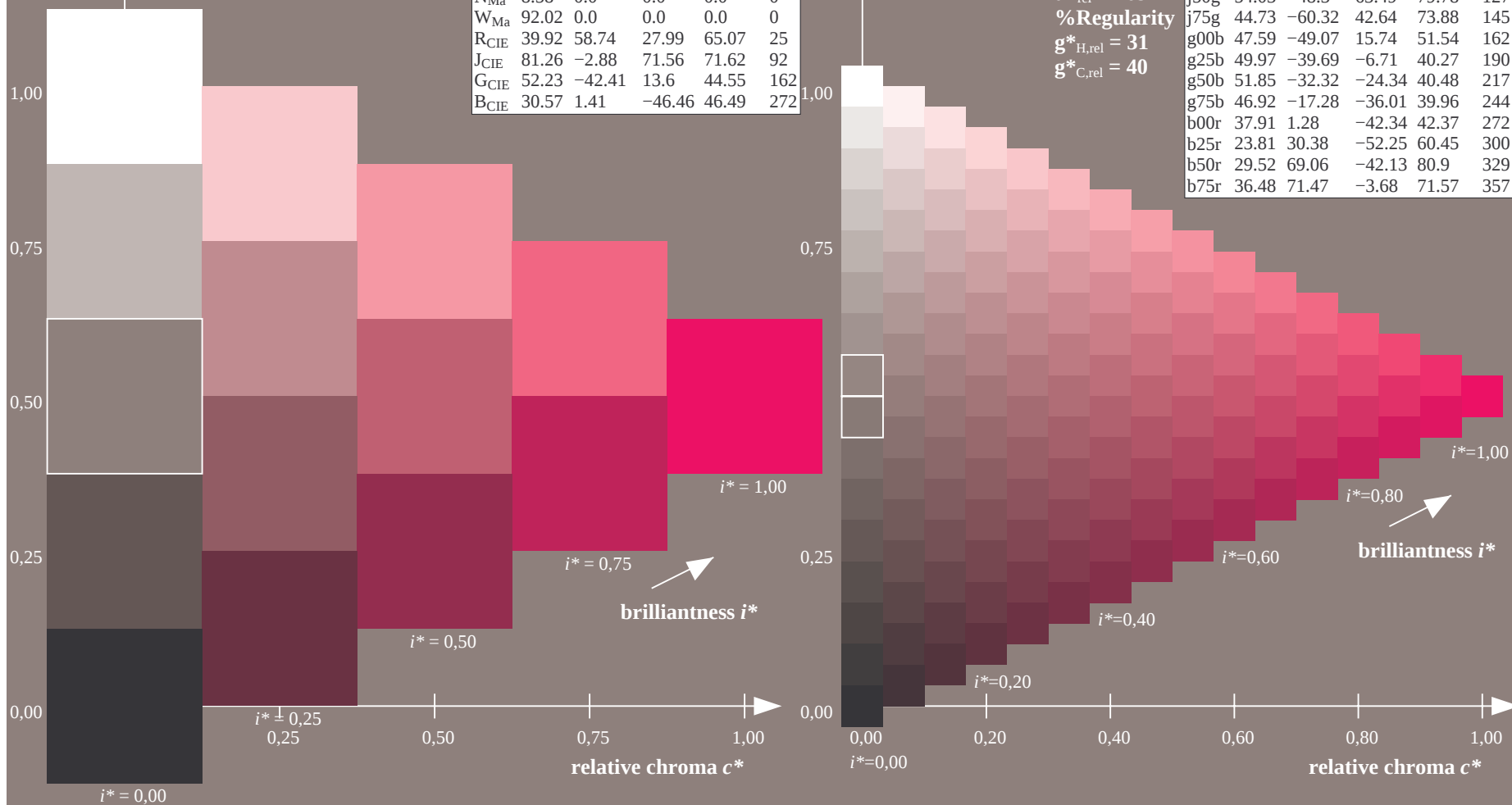
%Regularity

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

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

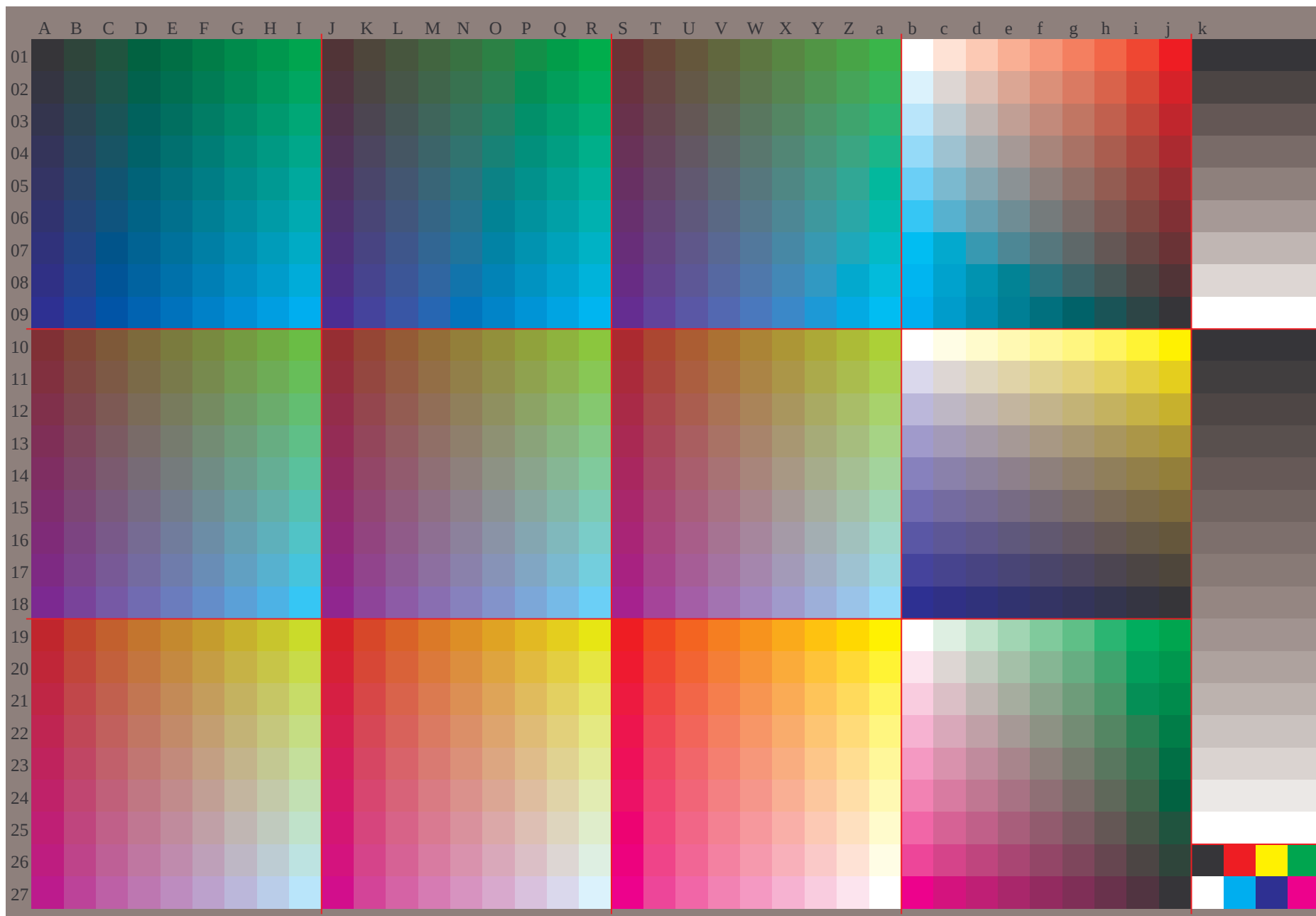
FRS09_92aM; adapted (a) CIELAB data

	$L^*=L^*_a$	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-De92.10L/L92E00NA.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/De92/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0



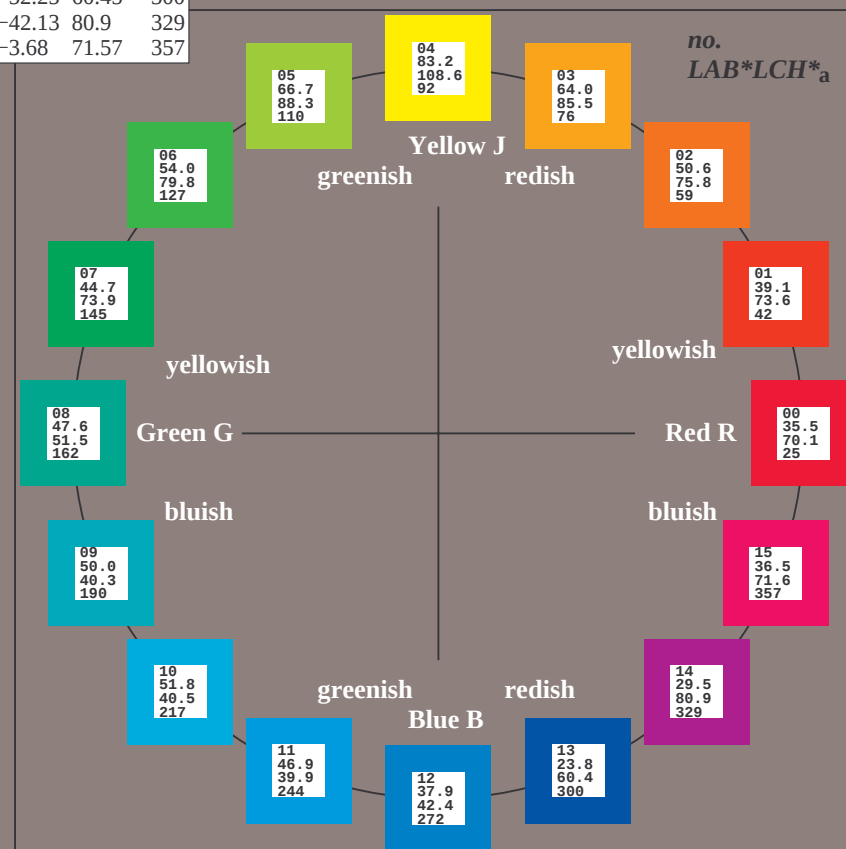
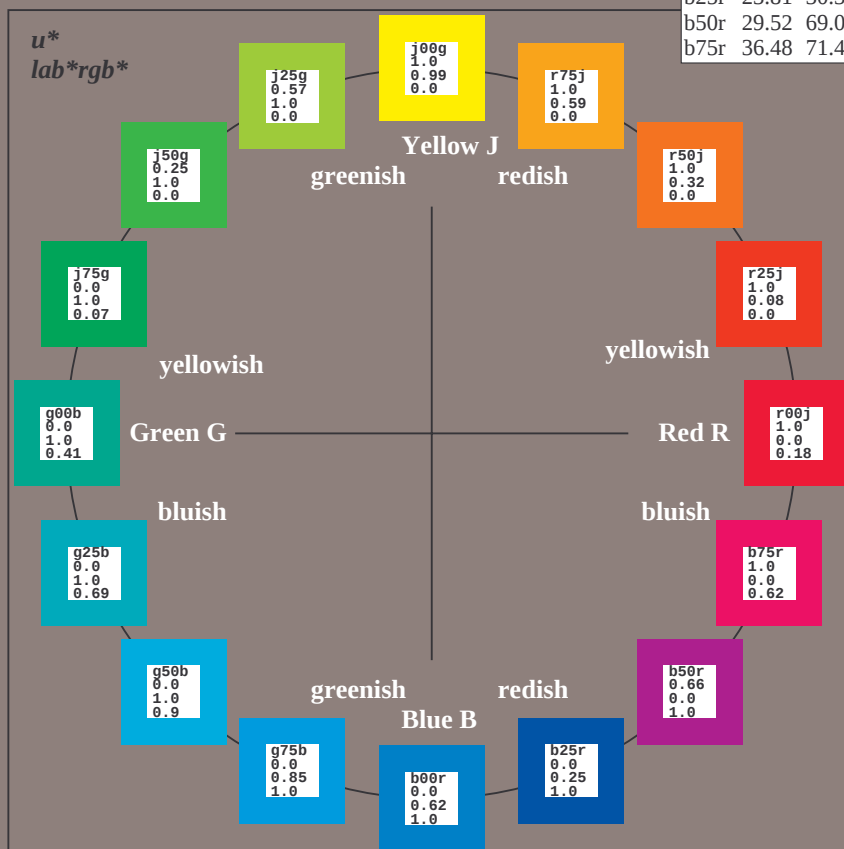
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

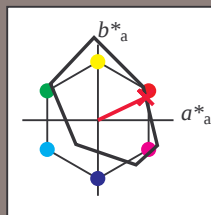
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

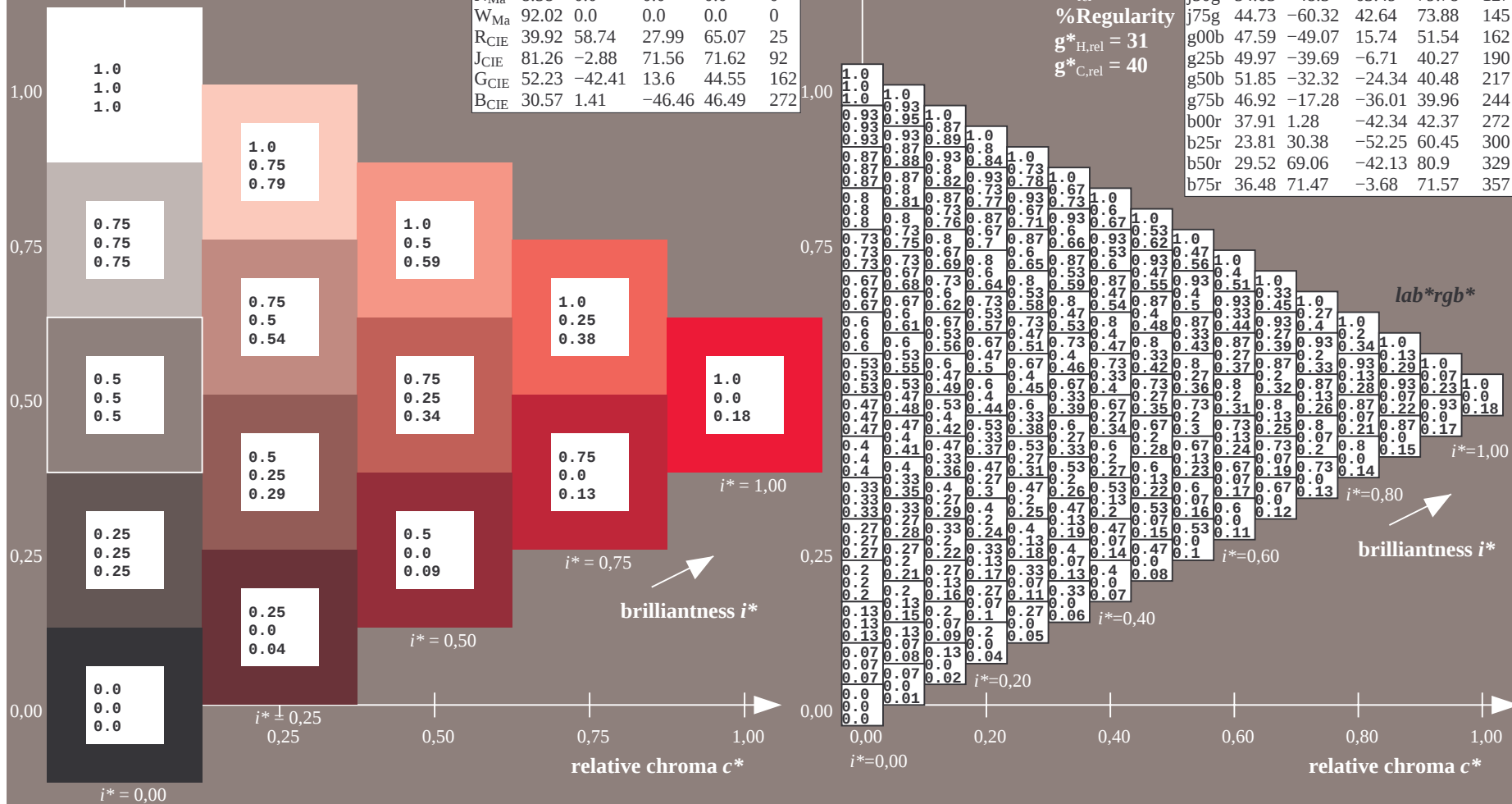
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

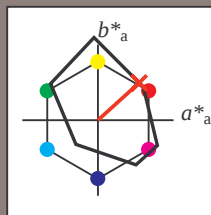
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

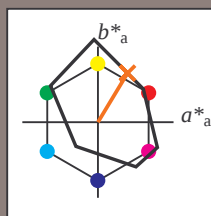
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

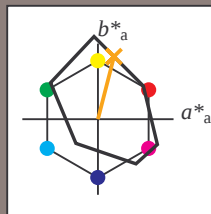
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

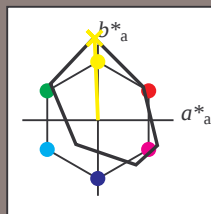
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

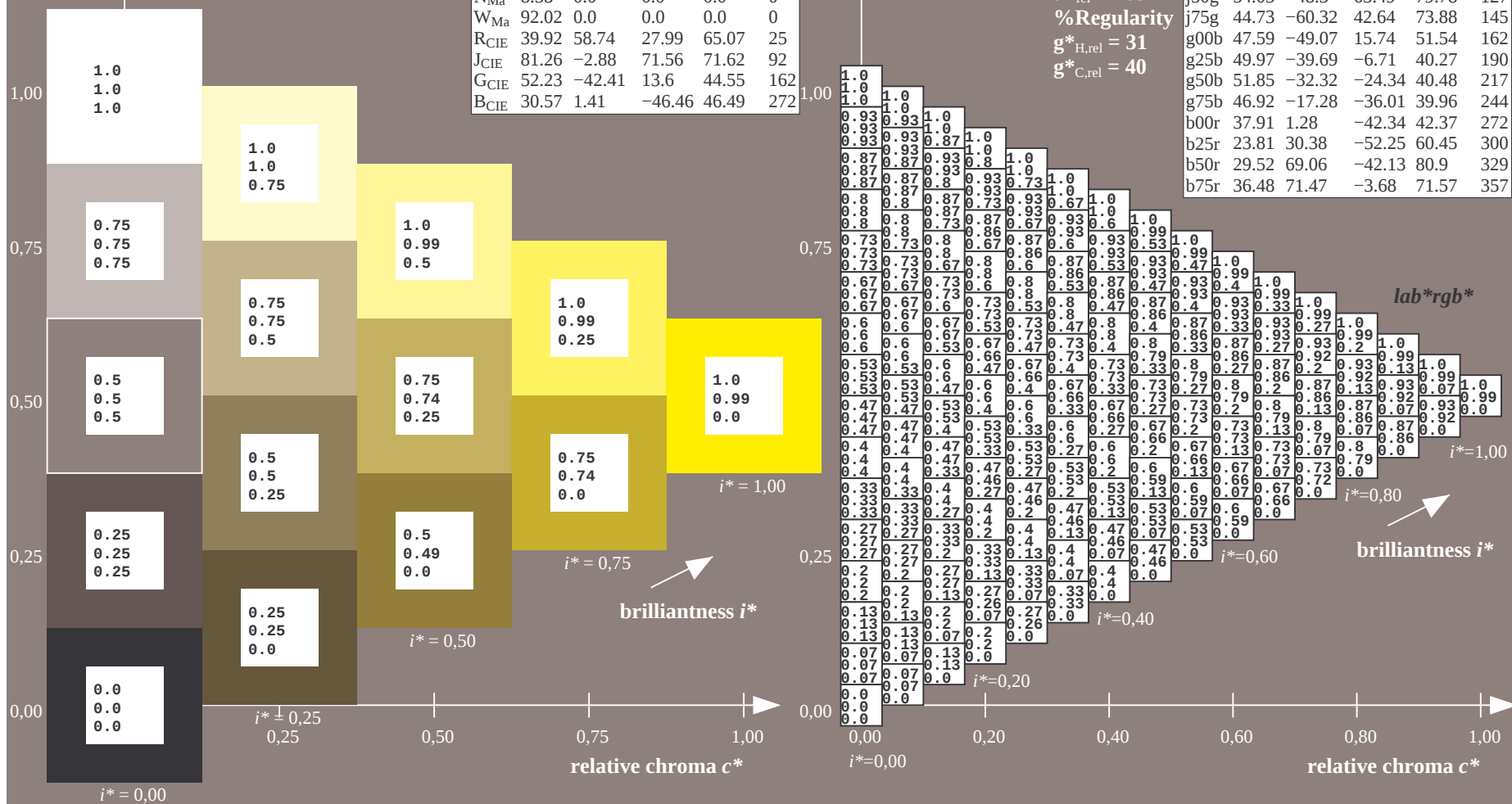
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

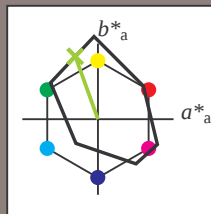
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

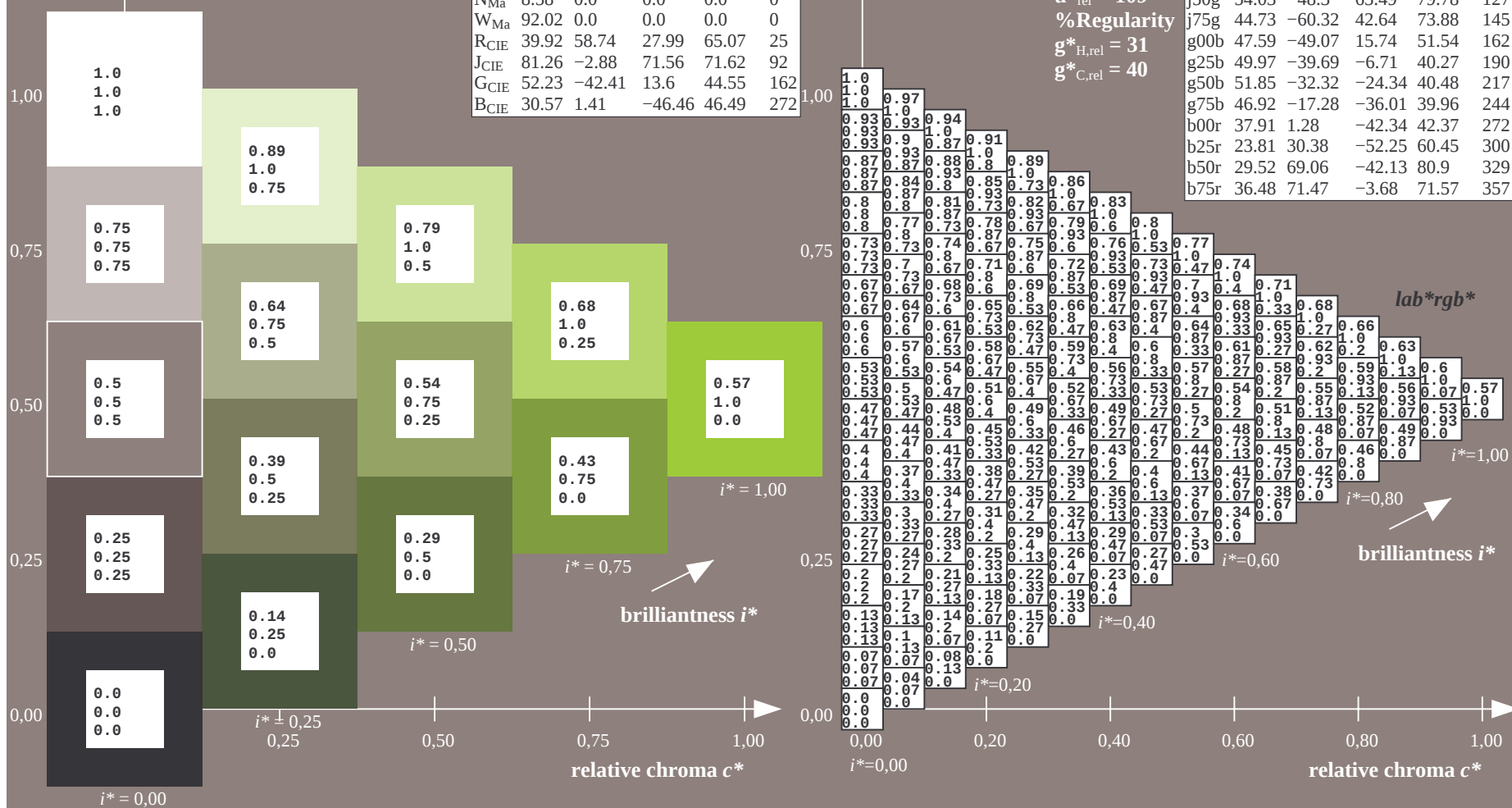
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

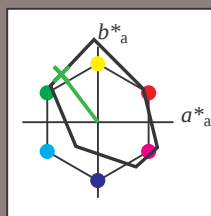
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

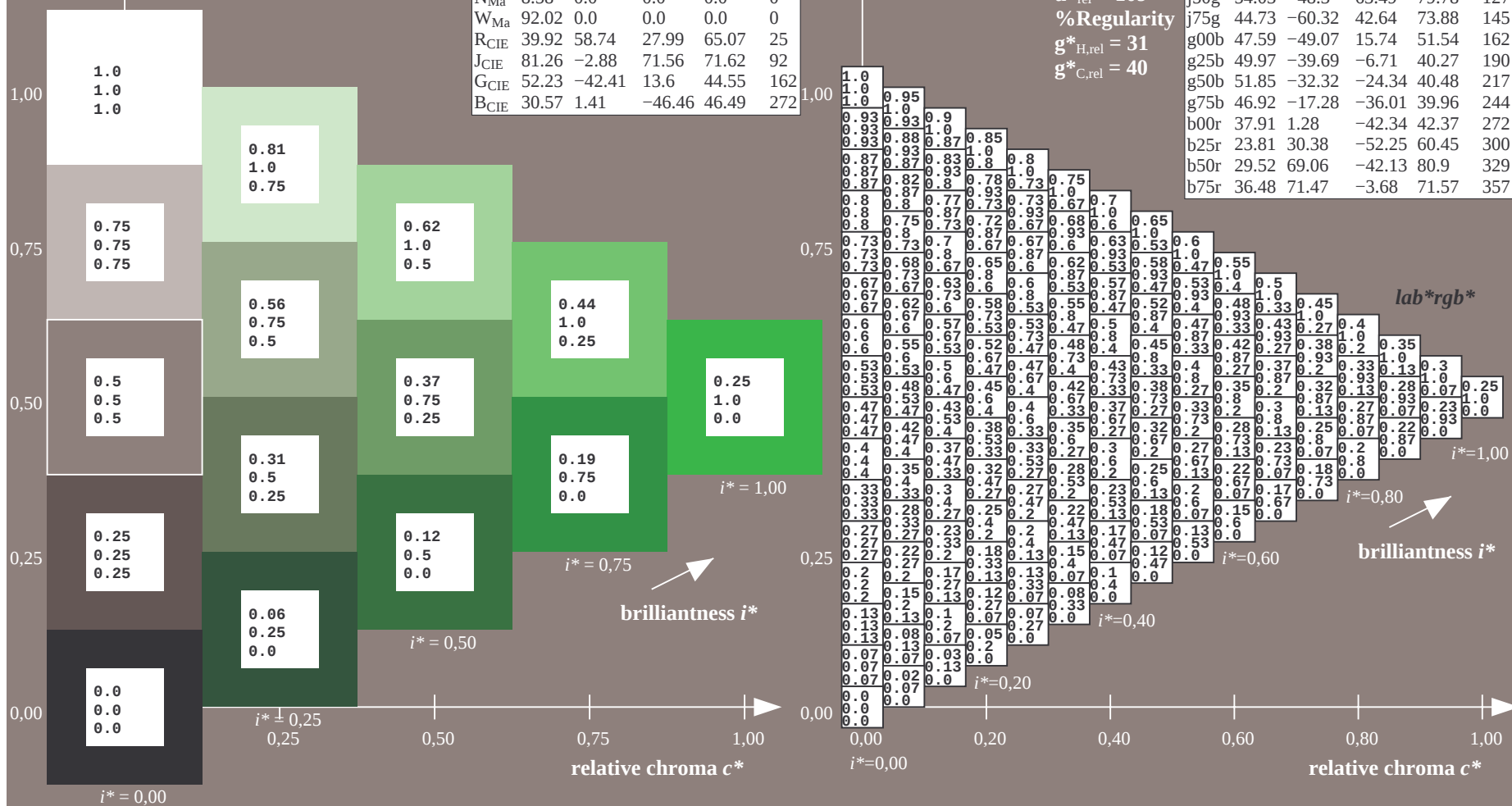
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

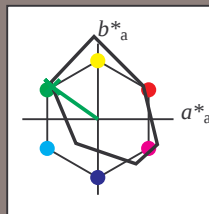
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

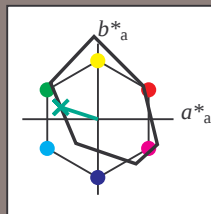
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

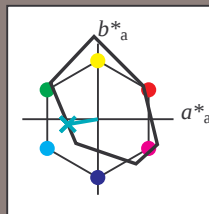
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

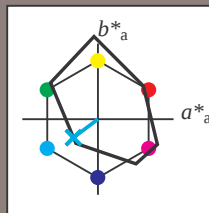
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

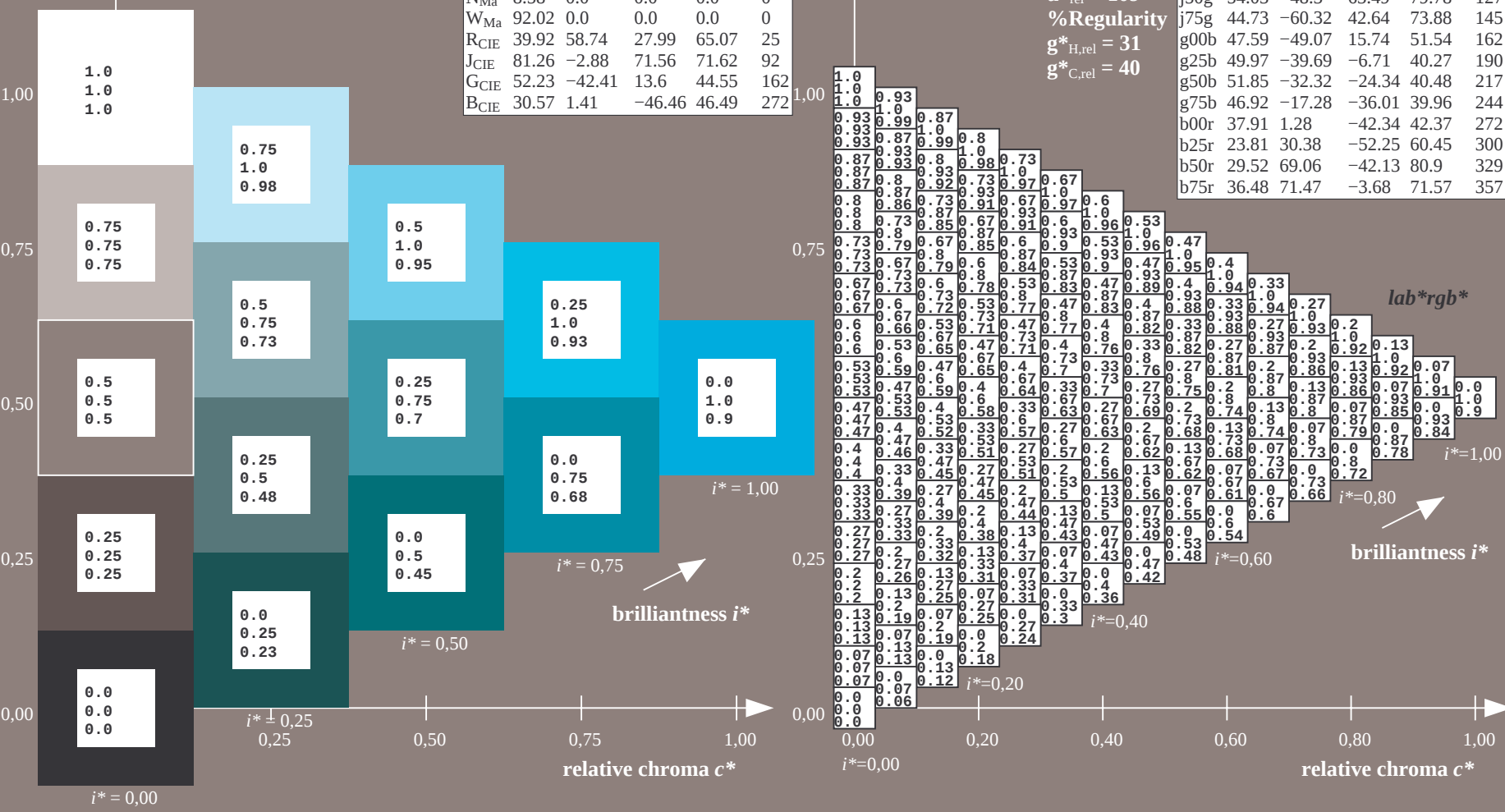
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

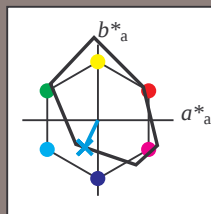
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

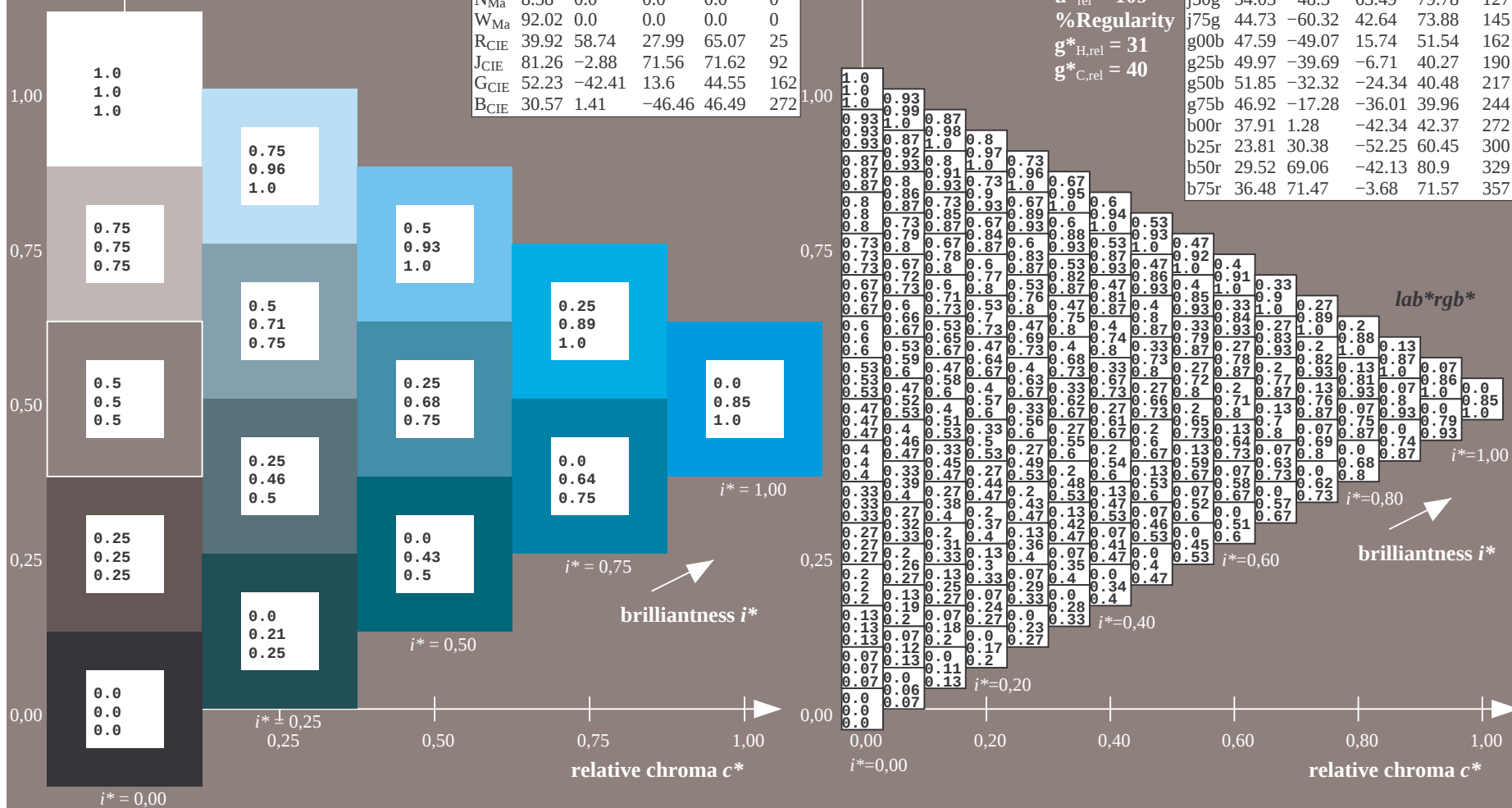
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

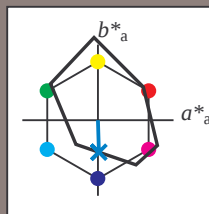
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

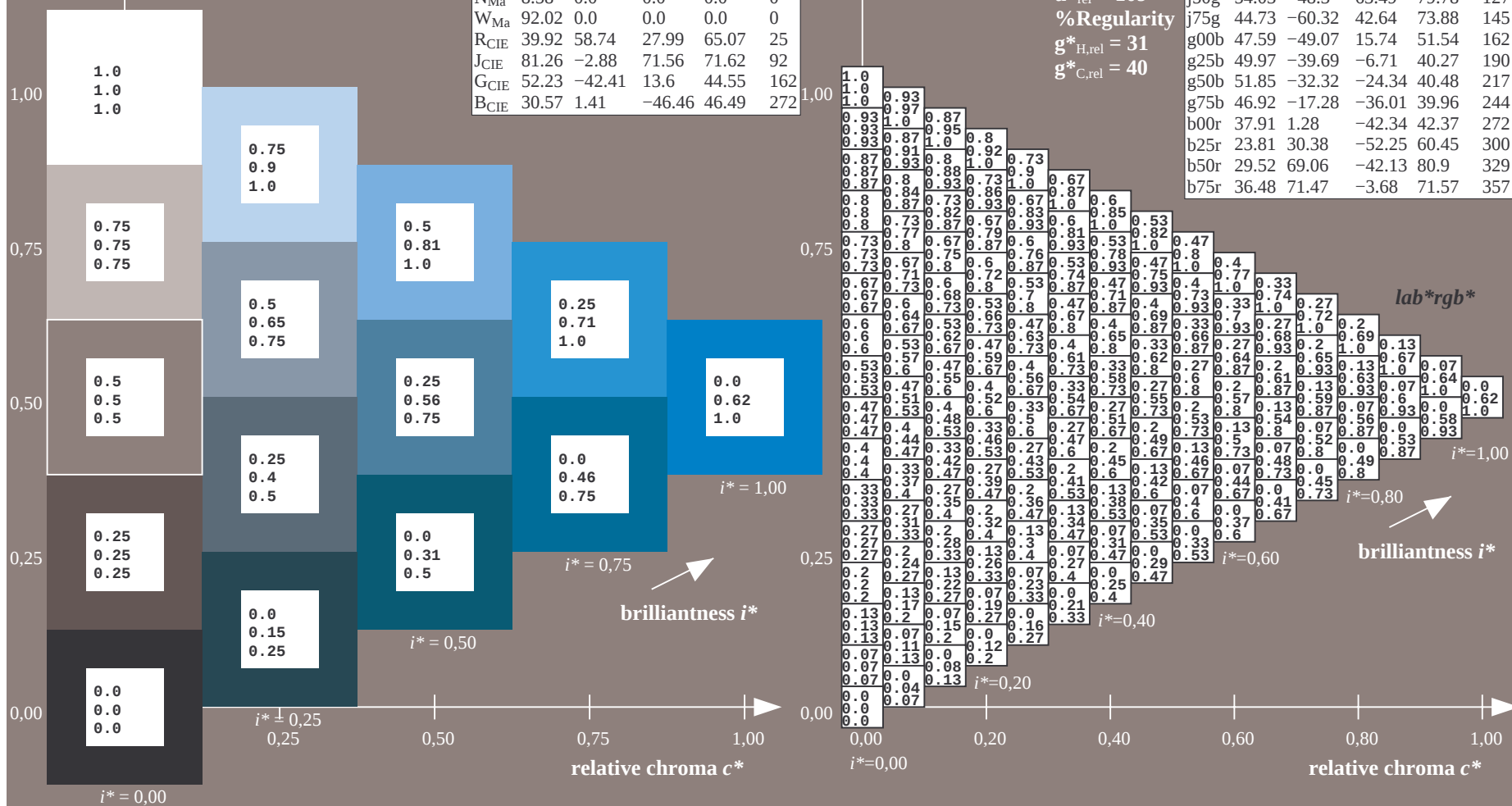
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

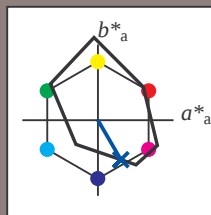
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

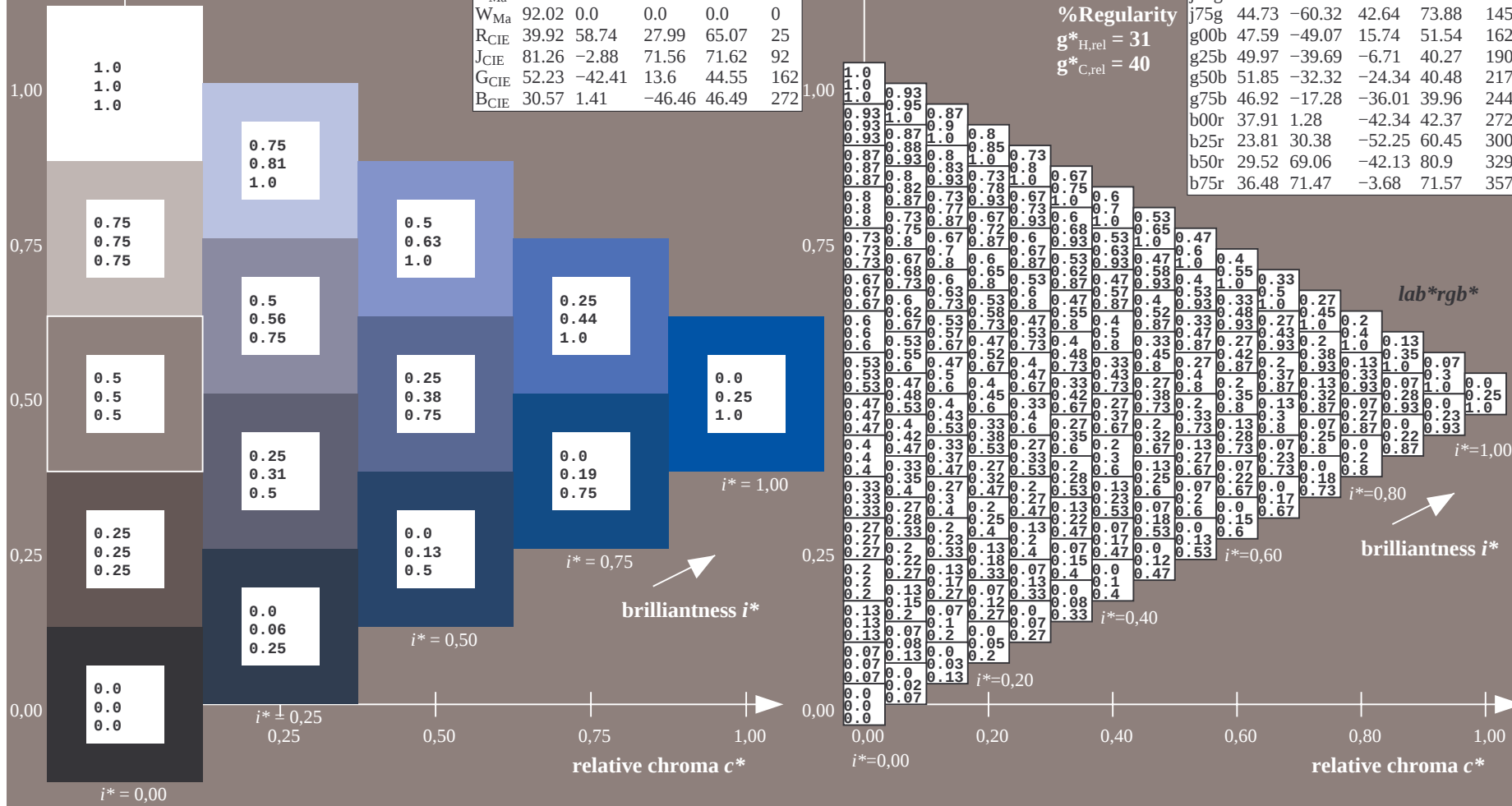
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

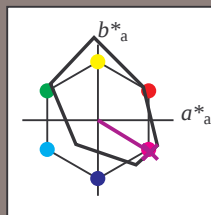
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

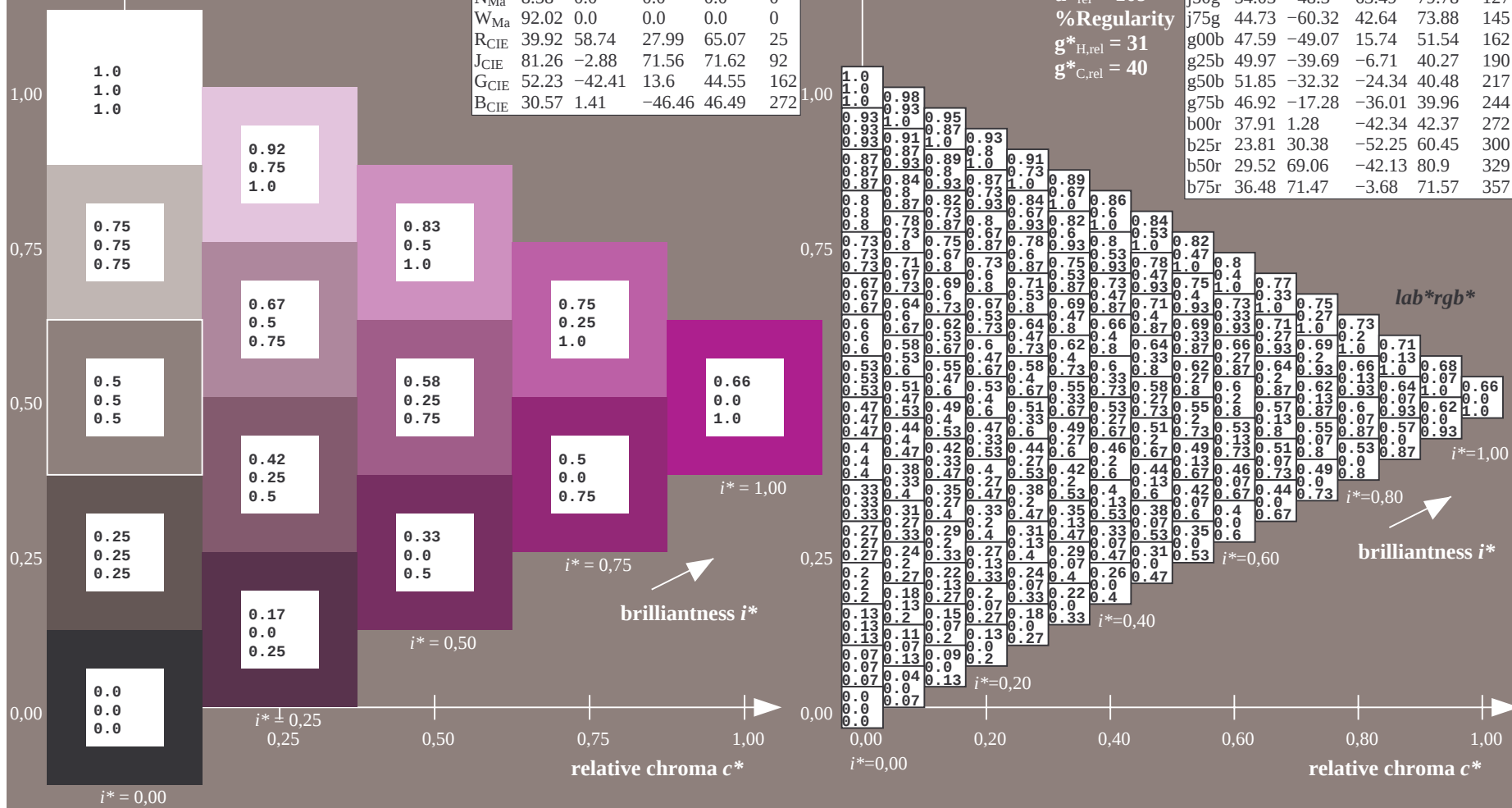
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0

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

triangle lightness t^*

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

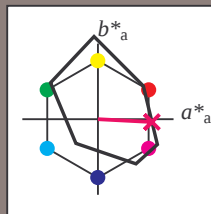
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

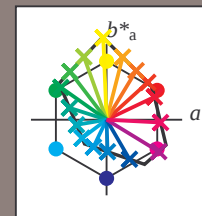
See for similar files: <http://www.ps.bam.de/De92/>; www.ps.bam.de/De92/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

	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	0.13	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	1.0	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	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	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	0.25	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	0.88	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	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	0.13	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	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0			
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	0.25	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	0.75	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	0.13	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	0.88	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	0.13	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	0.63	0.63	0.38	0.38	0.38	0.38		
04	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	0.25	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	0.0	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	0.25	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	0.38	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	0.25	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	0.75	0.75	0.75	0.75
	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	0.25	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	0.13	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	0.25	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	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			
	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			
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	0.63	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	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	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	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07		
	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.																												

BAM registration: 20080701-De92/10L/L92E00NA.PS/.TXT
application for evaluation and measurement of printer or monitor systems
BAM material: code=rh4ta

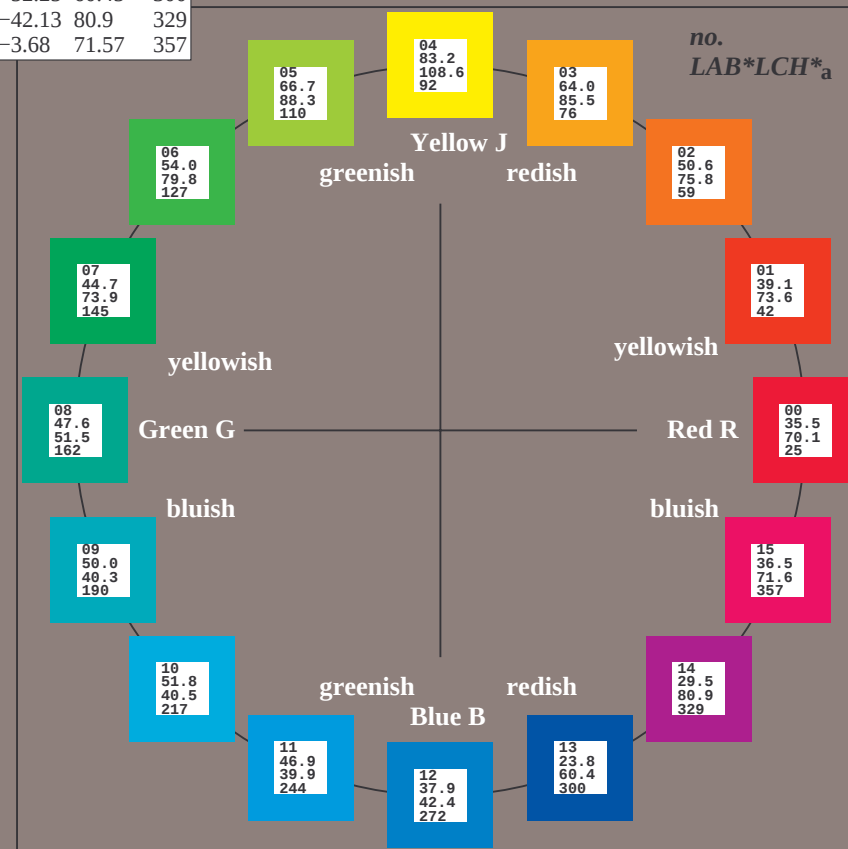
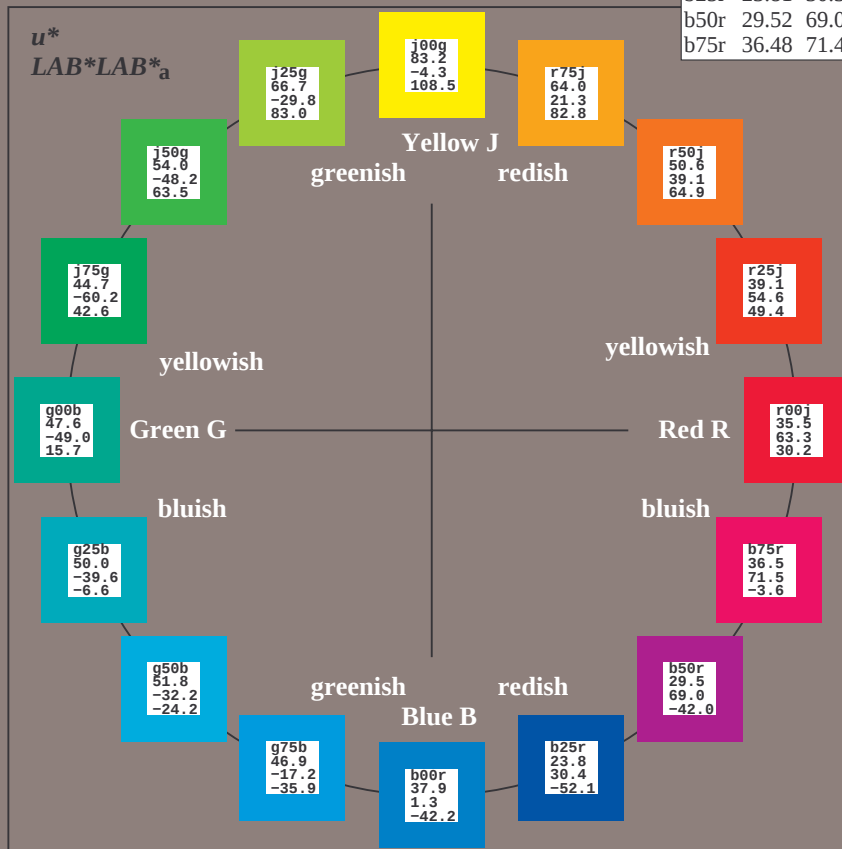
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

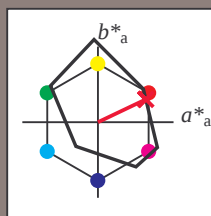
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

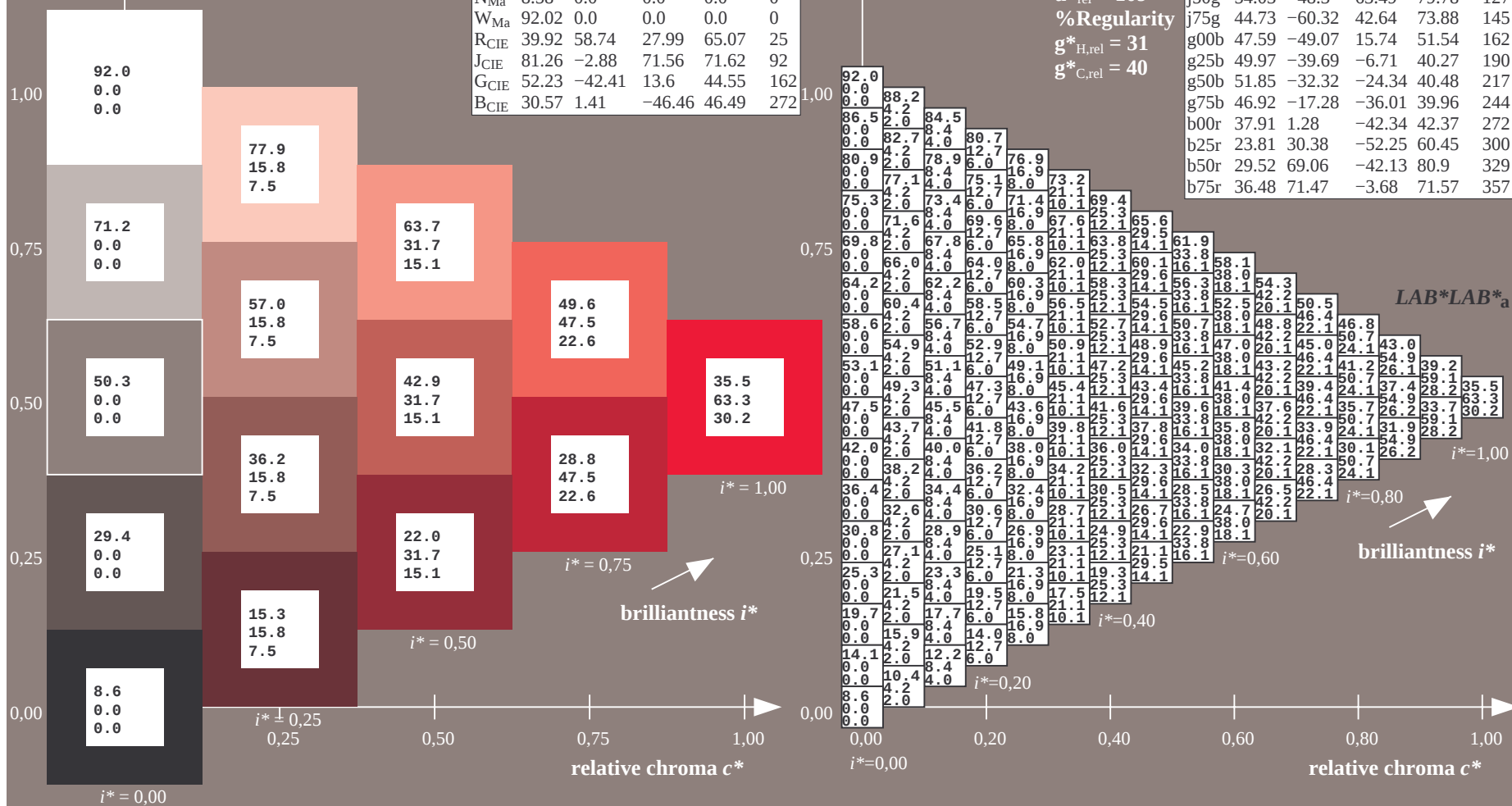
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

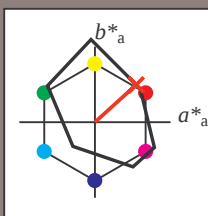
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

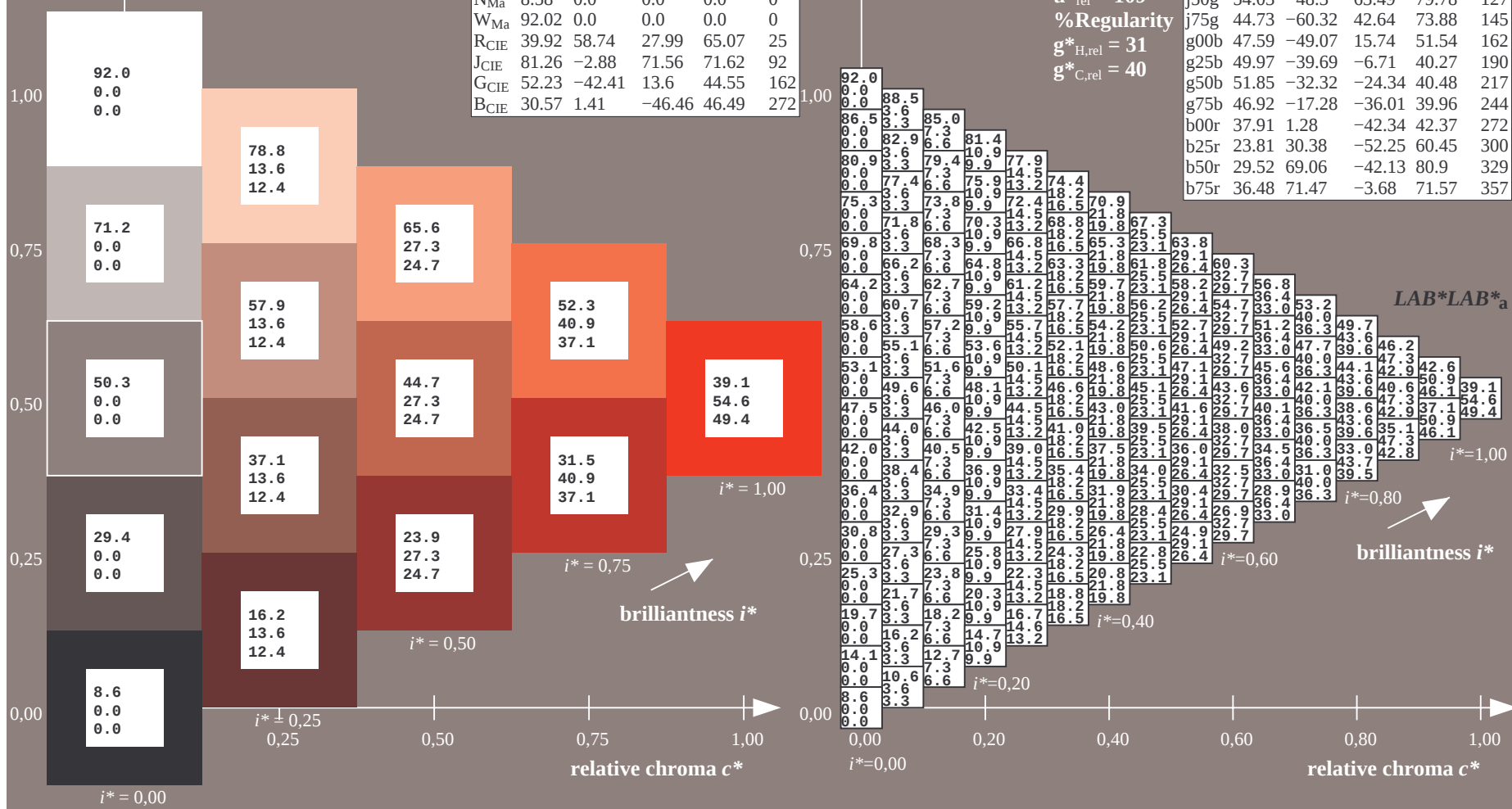
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

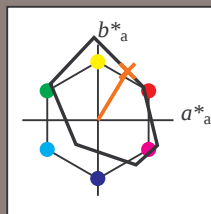
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

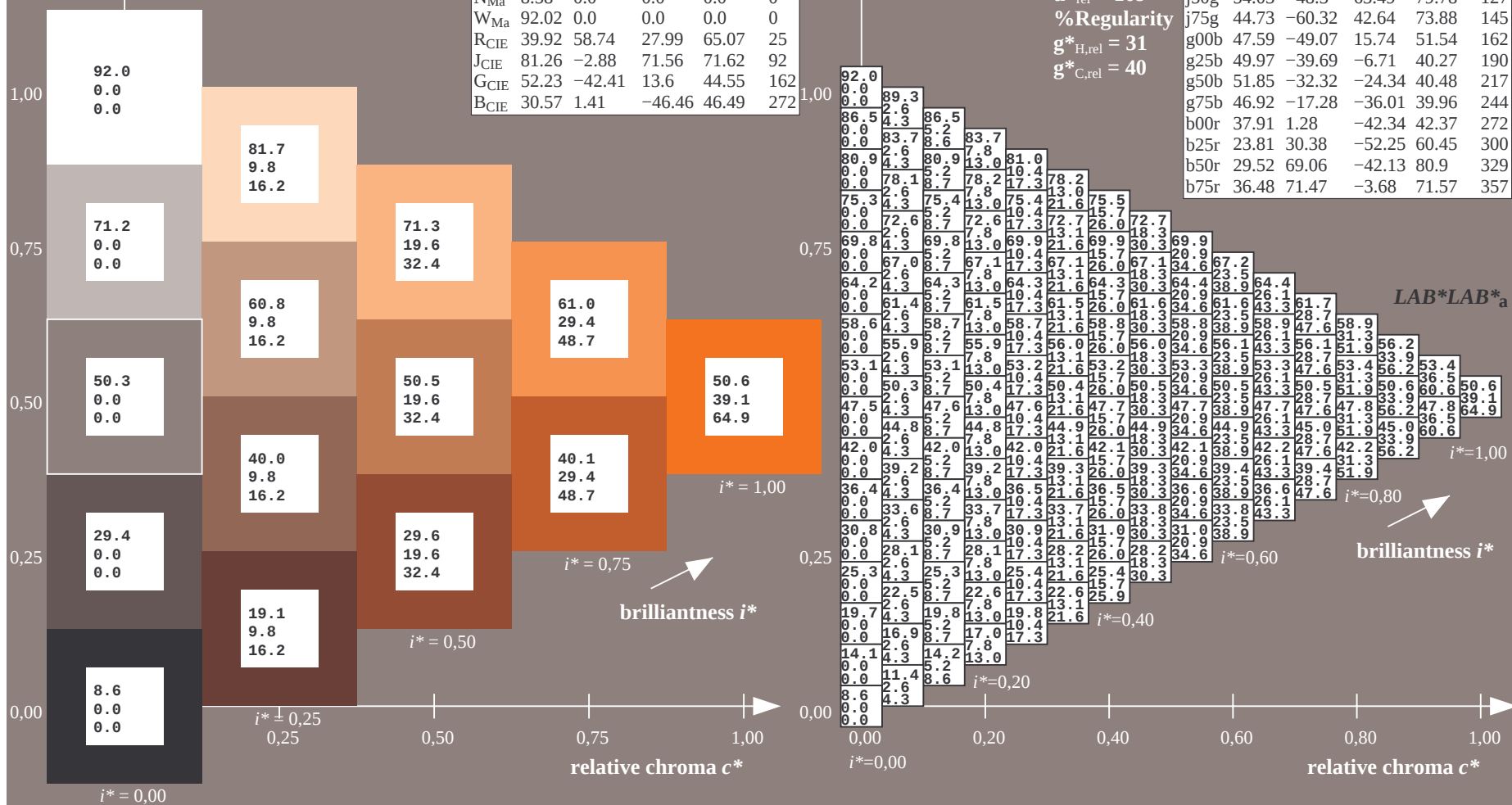
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

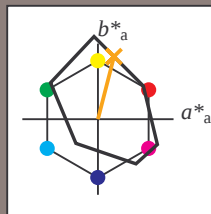
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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

$u^* = r75j$
 $LAB^*LAB^*_a$

$LAB^*LAB^*_a$

$i^* = 1.00$

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

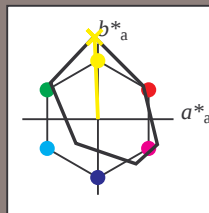
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

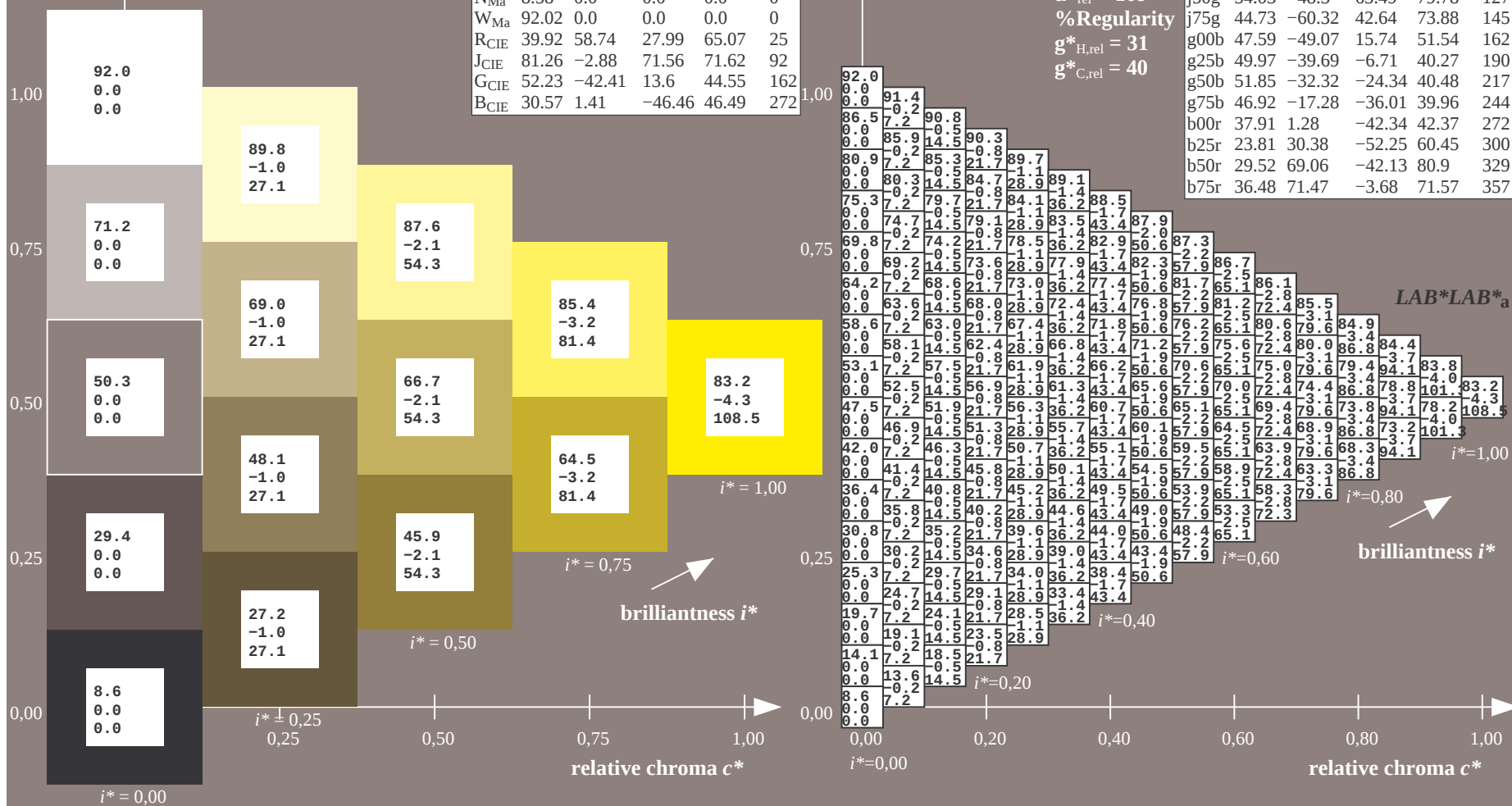
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

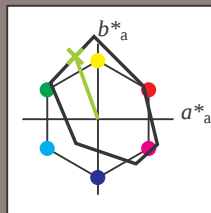
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

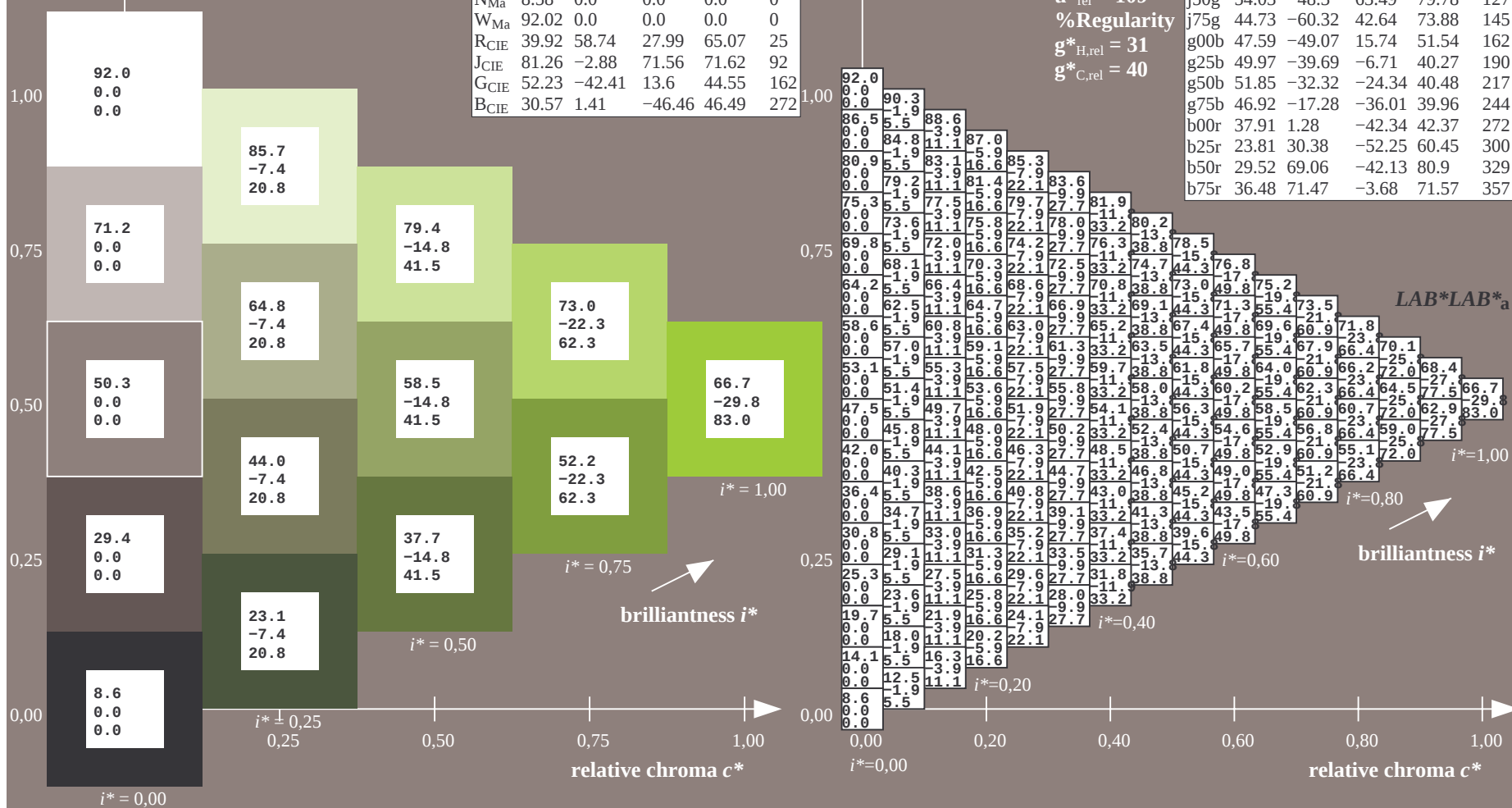
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

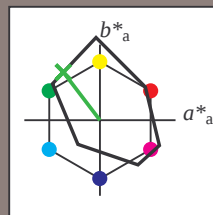
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

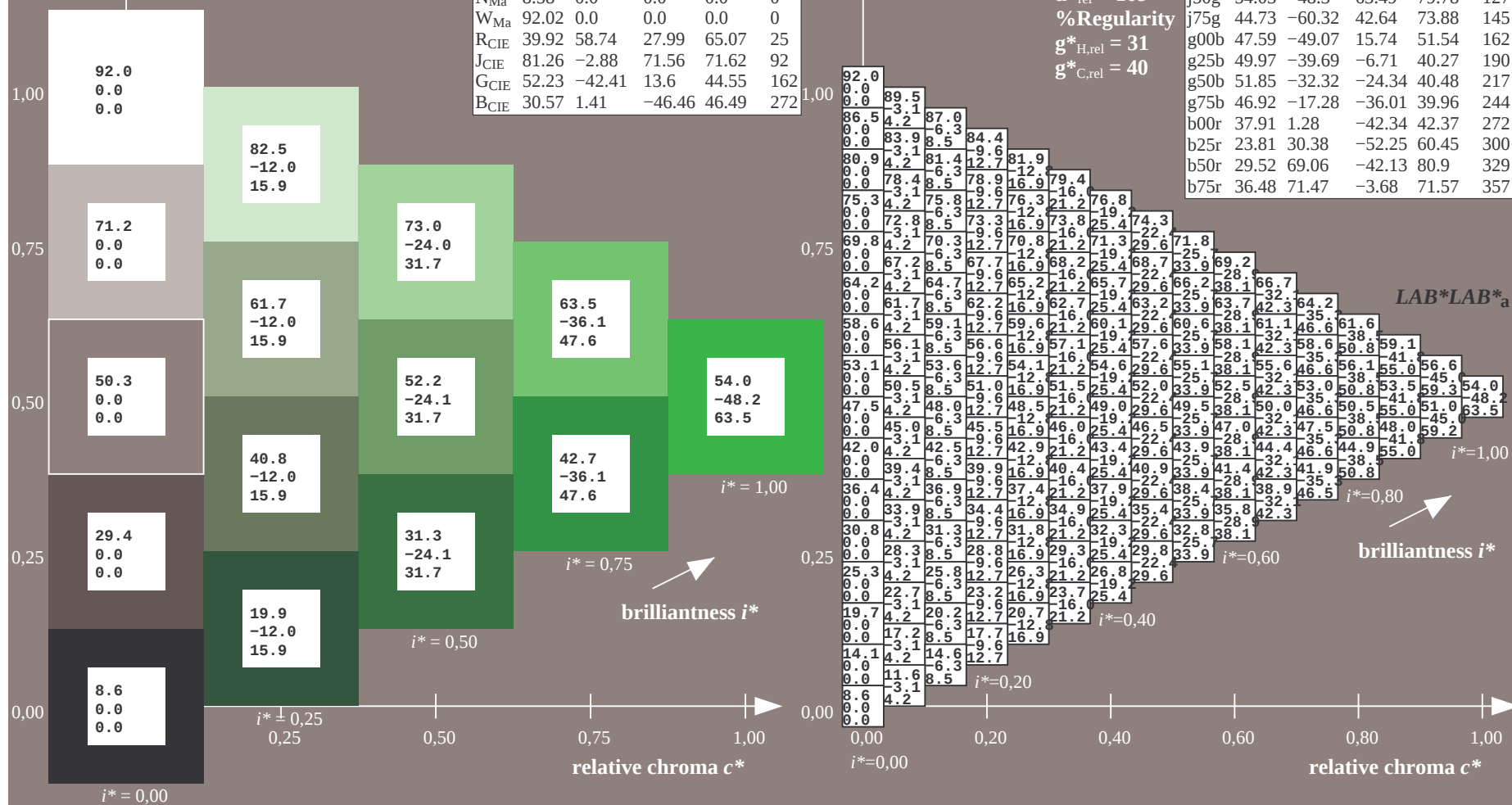
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

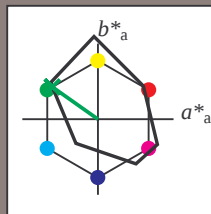
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

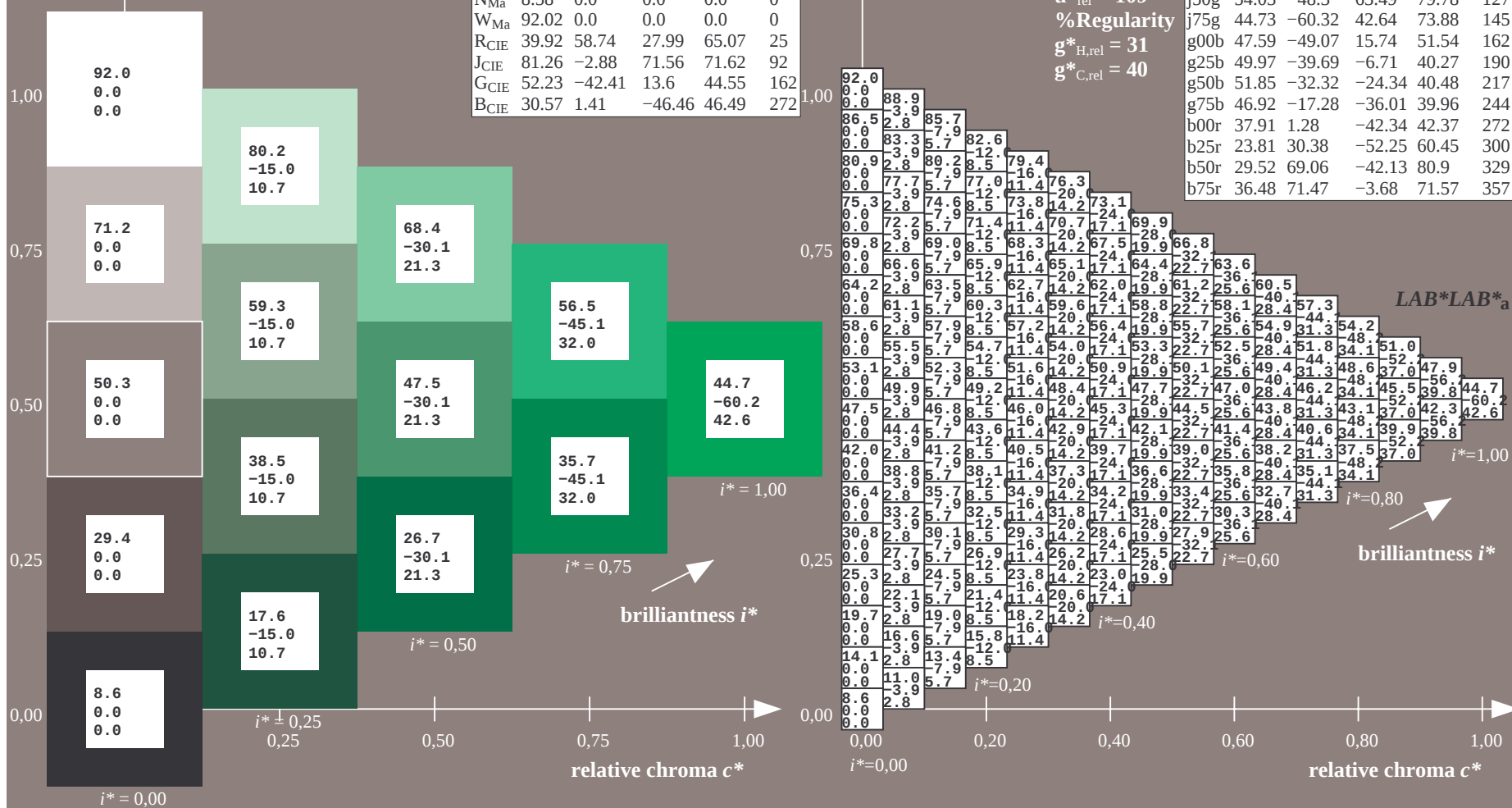
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

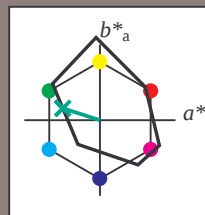
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

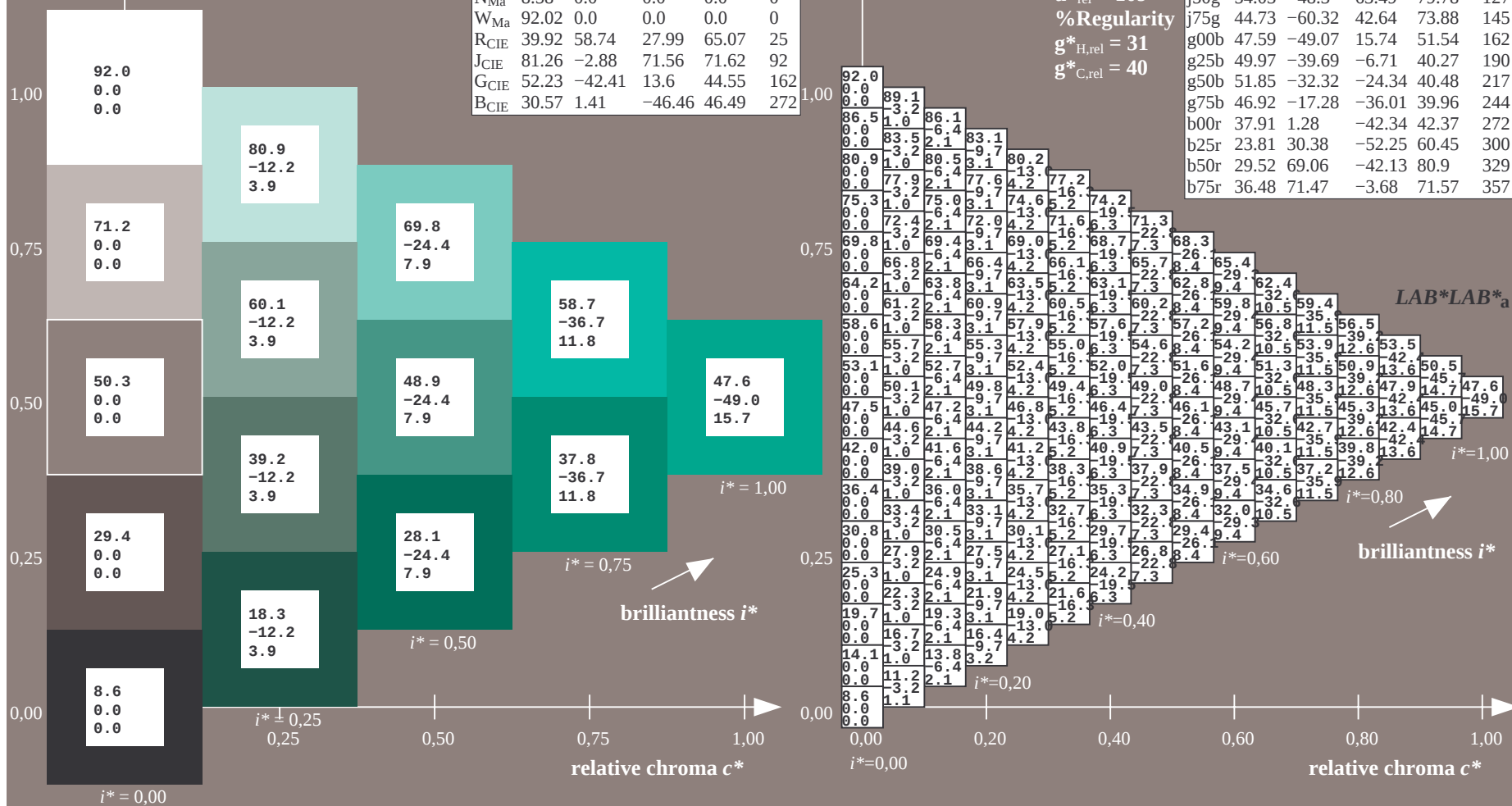
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

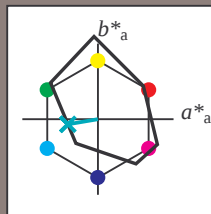
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

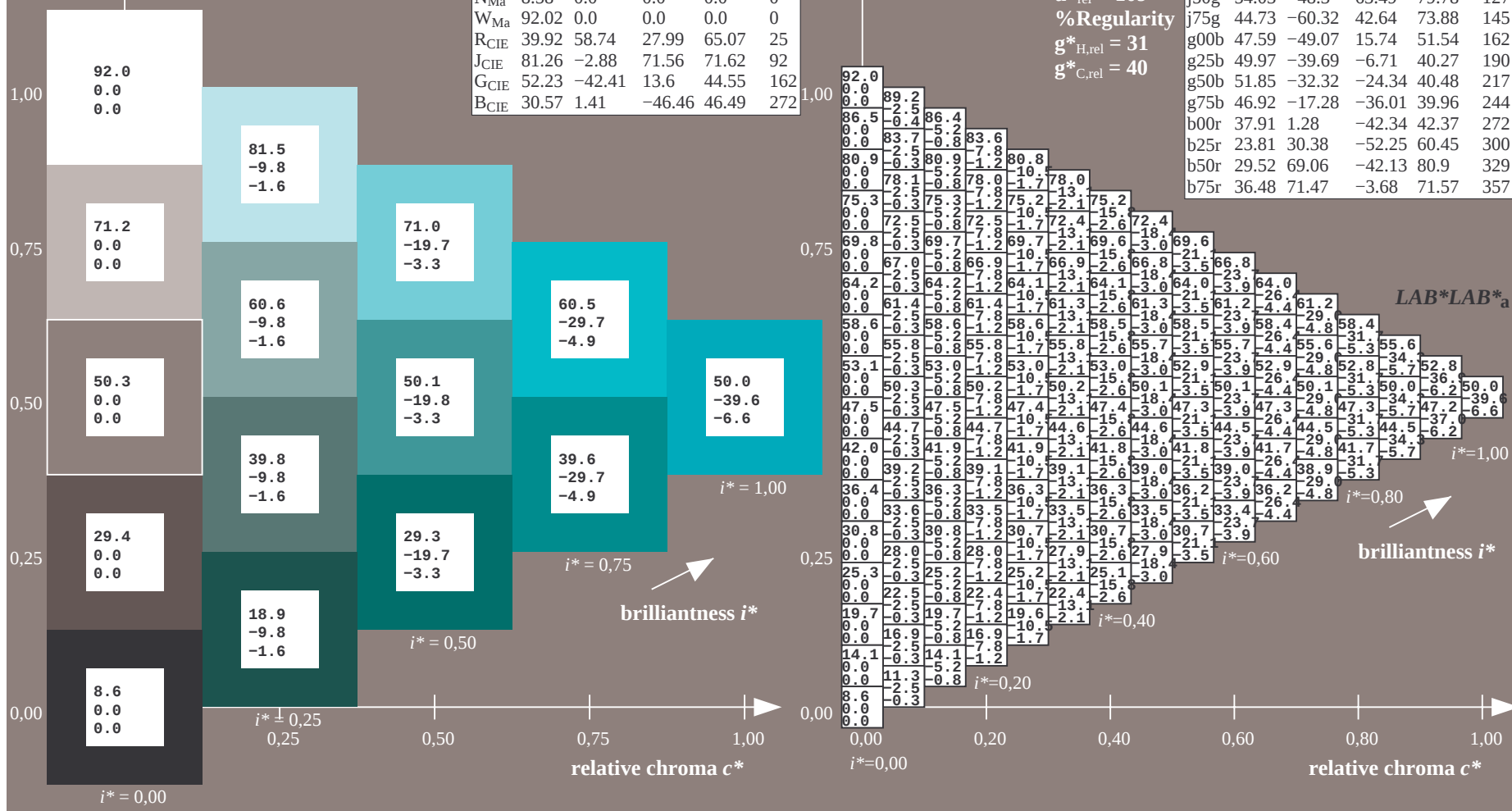
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

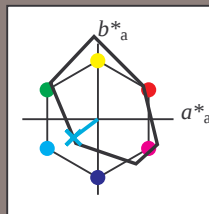
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

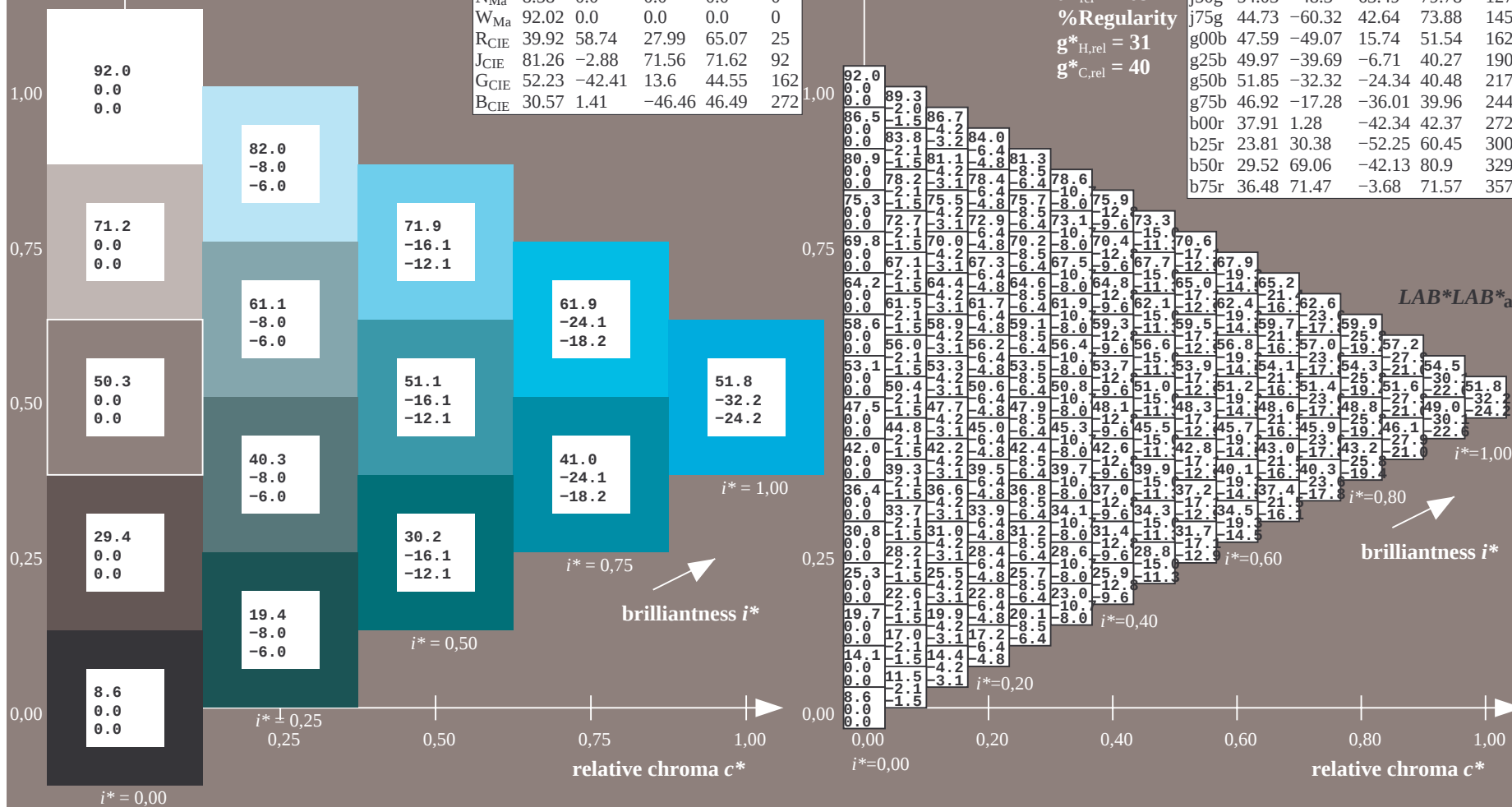
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

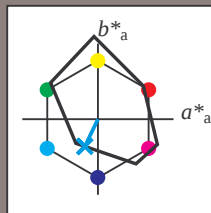
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

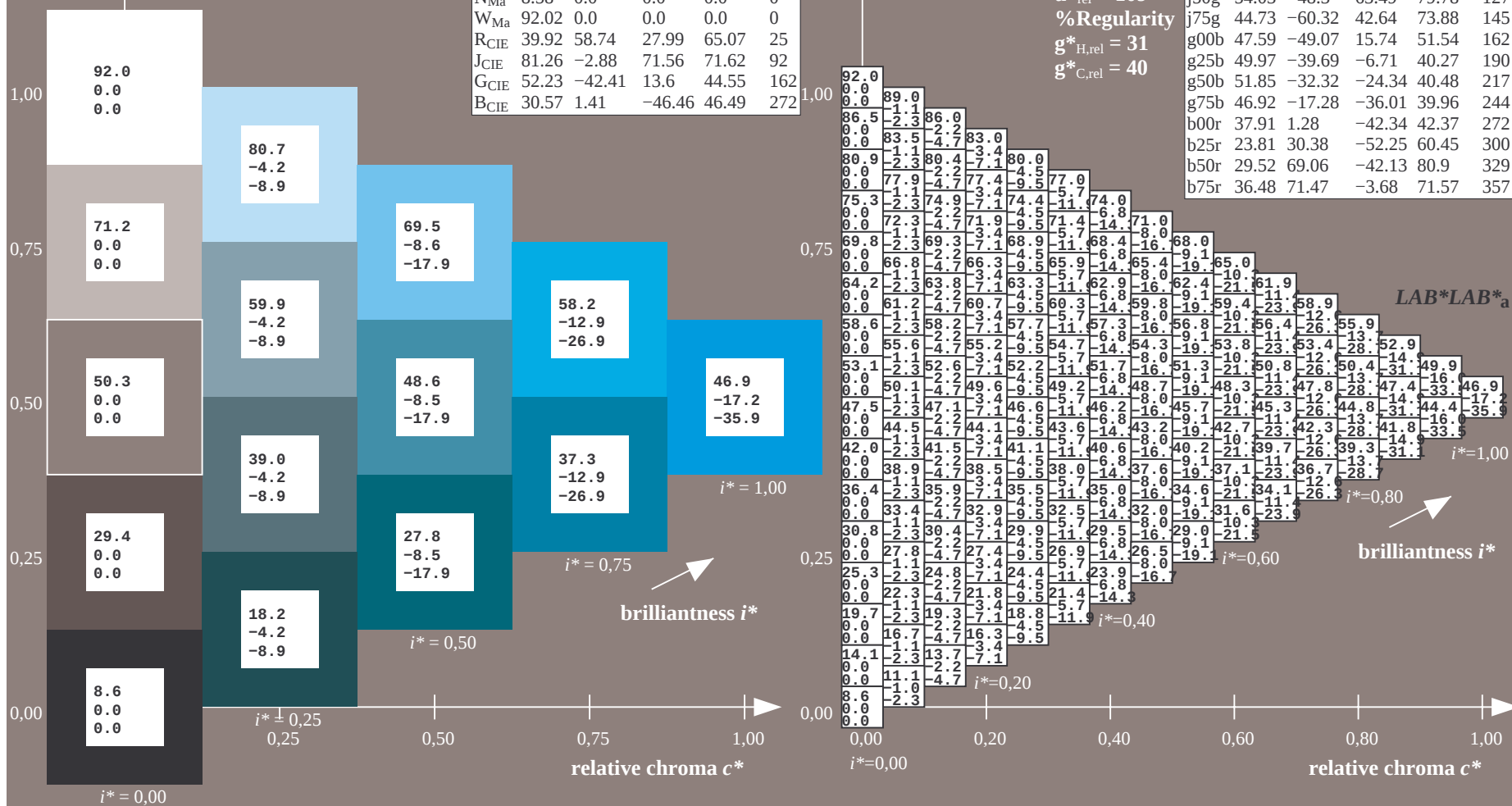
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

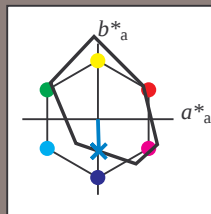
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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

$LAB^*LAB^*_{a}$

$i^* = 1.00$

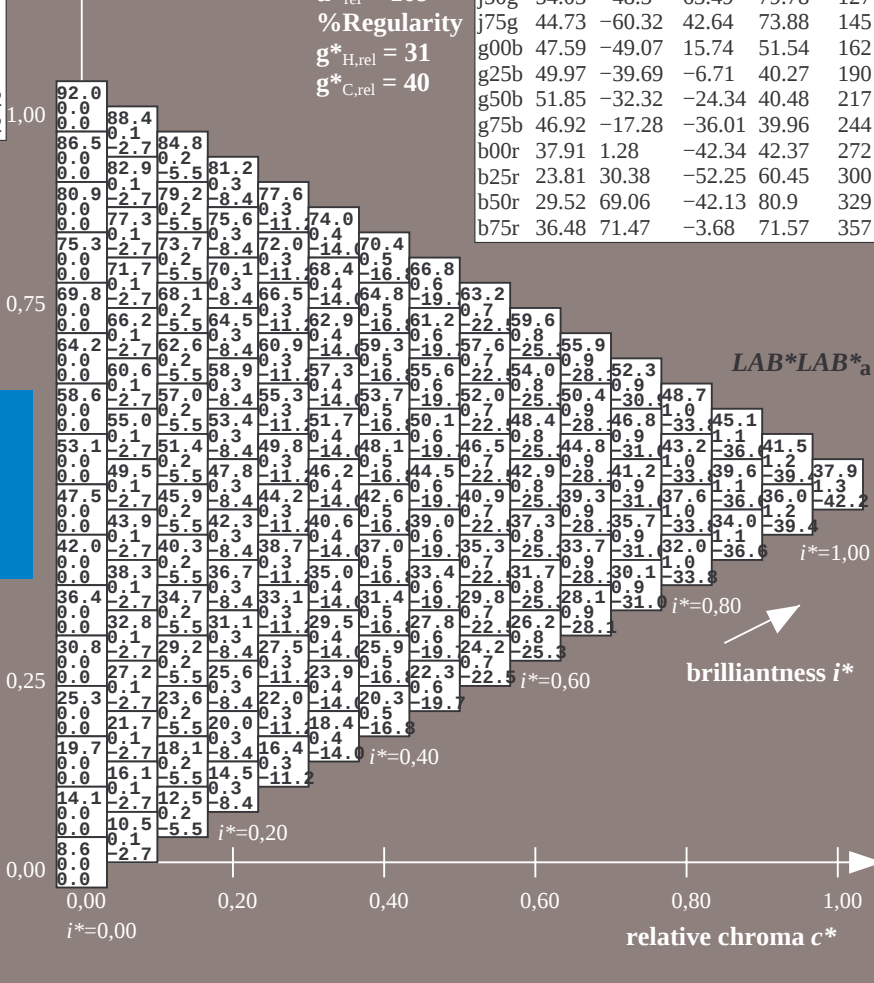
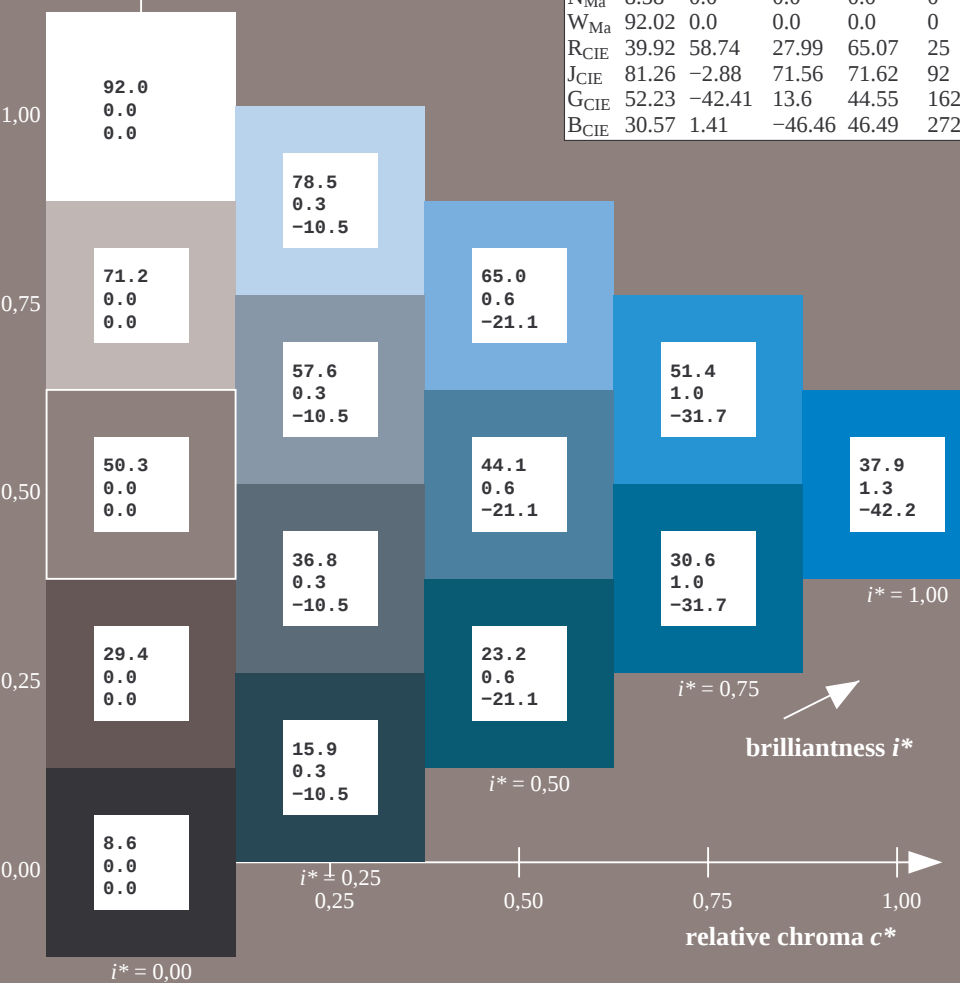
$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

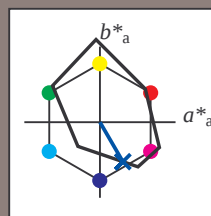
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

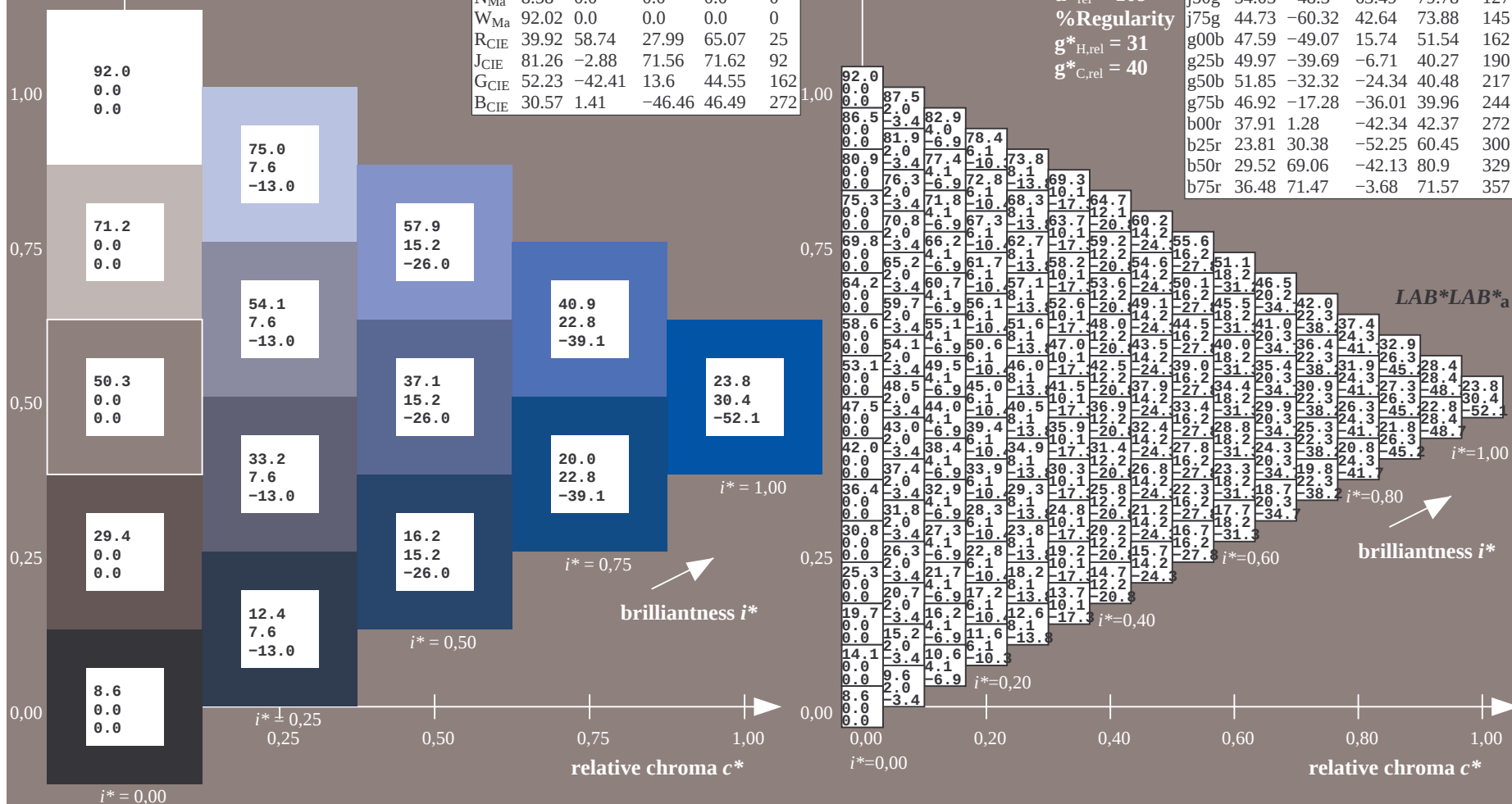
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

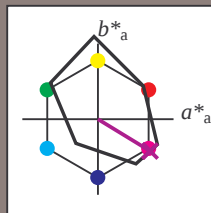
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

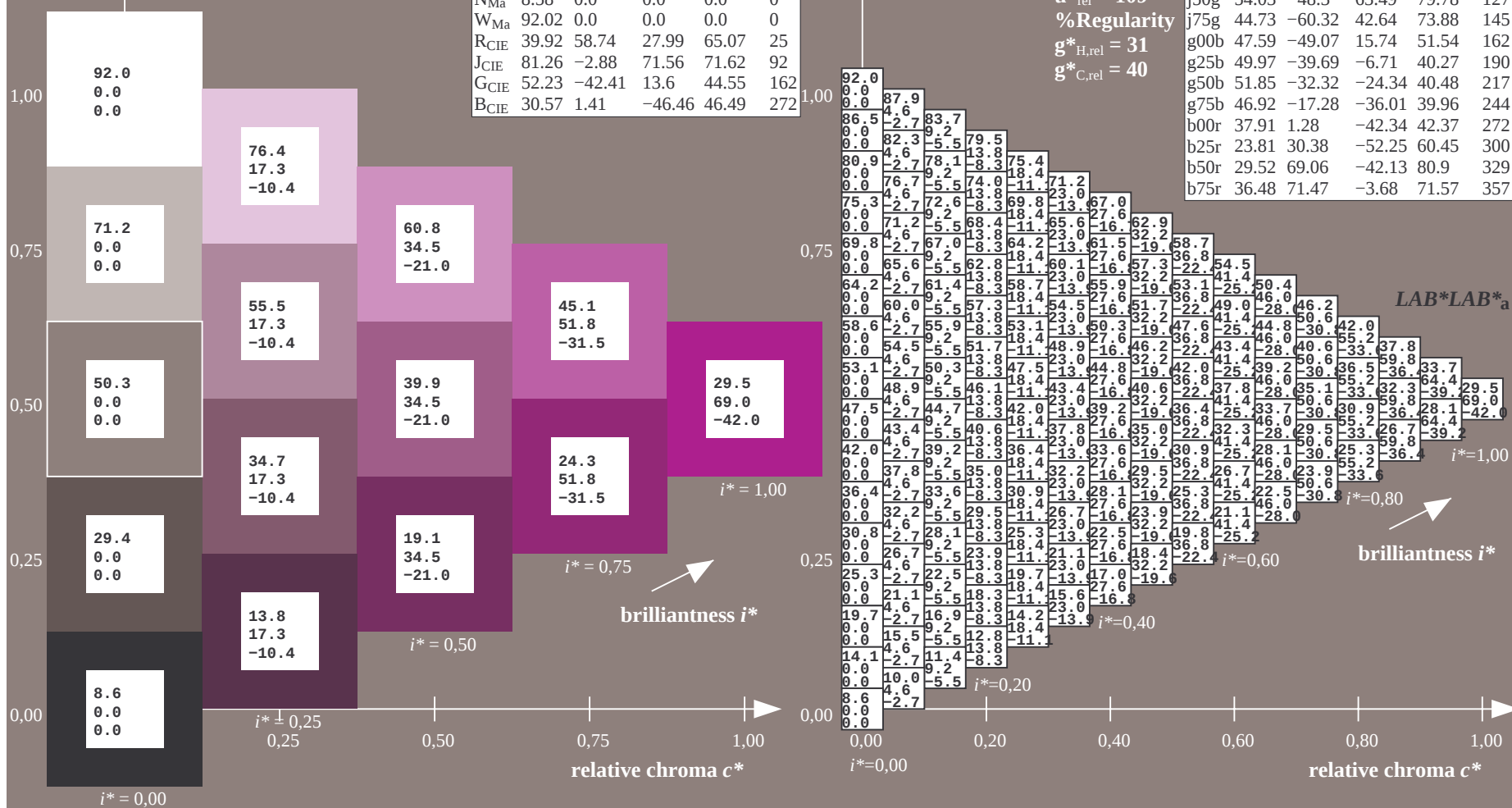
%Regularity

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

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

FRS09_92aM; 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

$u^* = b50r$
 $LAB^*LAB^*_a$



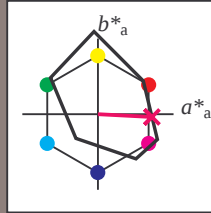
See for similar files: <http://www.ps.bam.de/De92/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20080701-De92/10L/L92E00NA.PS/.TXT BAM material: code=rh4ata
- application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 357/360 = 0.992$ data for any colour: Data for maximum colour (Ma):

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

$u^* = 67.5r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92aM; 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^* 

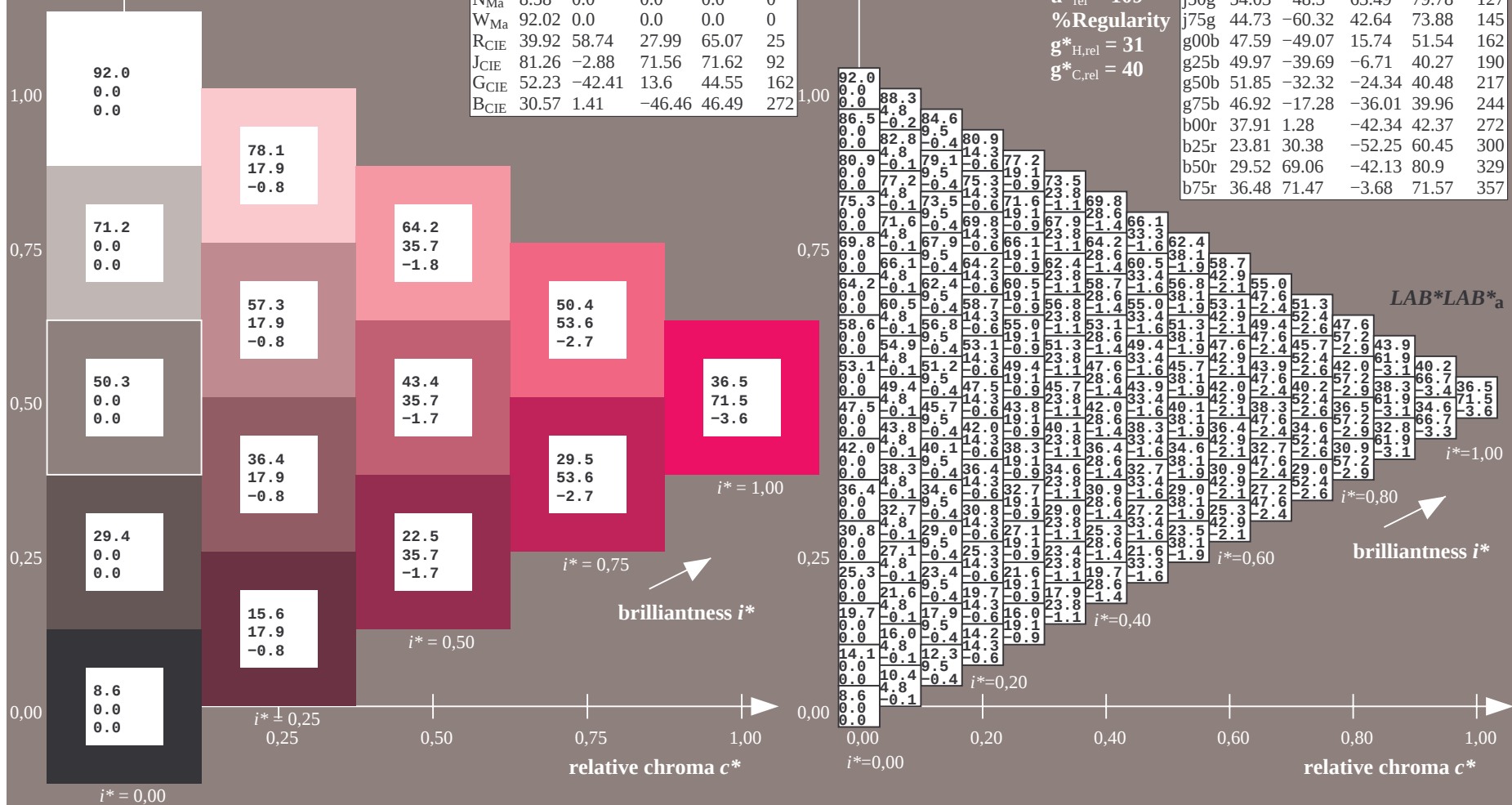
%Gamut

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

%Regular

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

FRS09_92aM; 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 De92; Colorimetric systems, Page 71/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

See for similar files: <http://www.ps.bam.de/De92/>; www.ps.bam.de/De92/De92_10L/L92E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de/Version 2.1, io=1,1, ColSpX=0>

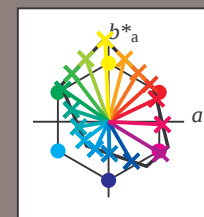
BAM registration: 20080701-De92/10L/L92E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	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	-70.5	-78.4	-86.3	-94.2	-102.1	-110.0	-117.9	-125.8	-133.7	-141.6	-149.5	-157.4	-165.3	-173.2	-181.1	-189.0	-196.9	-204.8	-212.7	-220.6	-228.5	-236.4	-244.3	-252.2	-260.1	-268.0	-275.9	-283.8	-291.7	-299.6	
03	6.3	14.1	18.5	23.0	27.4	31.9	36.3	40.8	45.2	49.7	54.1	58.6	63.0	67.5	71.9	76.4	80.8	85.3	89.7	94.1	98.6	103.0	107.5	111.9	116.4	120.8	125.3	129.7	134.1	138.6	143.0	147.5	151.9	156.4	160.8	165.3	169.7	174.2	178.6	
04	9.3	-3.5	-11.4	-19.2	-27.0	-34.9	-42.7	-50.5	-58.4	-66.3	-74.1	-82.0	-89.8	-97.7	-105.5	-113.4	-121.3	-129.1	-137.0	-144.8	-152.7	-160.5	-168.4	-176.2	-184.1	-192.0	-199.8	-207.7	-215.5	-223.4	-231.3	-239.1	-247.0	-254.8	-262.7	-270.5	-278.4	-286.2	-294.1	
05	10.7	15.5	20.3	25.1	29.9	34.7	39.5	44.3	49.1	53.9	58.7	63.5	68.3	73.1	77.9	82.7	87.5	92.3	97.1	101.9	106.7	111.5	116.3	121.1	125.9	130.7	135.5	140.3	145.1	149.9	154.7	159.5	164.3	169.1	173.9	178.7	183.5	188.3	193.1	
06	12.6	6.6	-7.2	-15.0	-22.8	-30.6	-38.4	-46.2	-54.0	-61.8	-69.6	-77.4	-85.2	-93.0	-100.8	-108.6	-116.4	-124.2	-132.0	-139.8	-147.6	-155.4	-163.2	-171.0	-178.8	-186.6	-194.4	-202.2	-210.0	-217.8	-225.6	-233.4	-241.2	-249.0	-256.8	-264.6	-272.4	-280.2	-288.0	
07	-14.7	-11.3	-7.9	-1.9	4.1	10.1	16.1	22.1	28.1	34.1	40.1	46.1	52.1	58.1	64.1	70.1	76.1	82.1	88.1	94.1	100.1	106.1	112.1	118.1	124.1	130.1	136.1	142.1	148.1	154.1	160.1	166.1	172.1	178.1	184.1	190.1	196.1	202.1	208.1	214.1
08	10.7	15.5	20.3	25.1	29.9	34.7	39.5	44.3	49.1	53.9	58.7	63.5	68.3	73.1	77.9	82.7	87.5	92.3	97.1	101.9	106.7	111.5	116.3	121.1	125.9	130.7	135.5	140.3	145.1	149.9	154.7	159.5	164.3	169.1	173.9	178.7	183.5	188.3	193.1	
09	18.9	8.9	-0.9	-10.8	-18.7	-26.5	-34.3	-42.2	-50.0	-57.8	-65.6	-73.4	-81.2	-89.0	-96.8	-104.6	-112.4	-120.2	-128.0	-135.8	-143.6	-151.4	-159.2	-167.0	-174.8	-182.6	-190.4	-198.2	-206.0	-213.8	-221.6	-229.4	-237.2	-245.0	-252.8	-260.6	-268.4	-276.2	-284.0	
10	-22.0	-18.7	-15.3	-11.9	-8.5	-5.1	-1.7	1.7	5.1	8.5	11.9	15.3	18.7	22.1	25.5	28.9	32.3	35.7	39.1	42.5	45.9	49.3	52.7	56.1	59.5	62.9	66.3	69.7	73.1	76.5	79.9	83.3	86.7	90.1	93.5	96.9	100.3	103.7	107.1	110.5
11	25.1	15.2	5.3	-4.5	-14.5	-24.5	-34.5	-44.5	-54.5	-64.5	-74.5	-84.5	-94.5	-104.5	-114.5	-124.5	-134.5	-144.5	-154.5	-164.5	-174.5	-184.5	-194.5	-204.5	-214.5	-224.5	-234.5	-244.5	-254.5	-264.5	-274.5	-284.5	-294.5	-304.5	-314.5	-324.5	-334.5	-344.5	-354.5	
12	-29.4	-26.0	-22.7	-19.3	-15.9	-12.5	-9.1	-5.7	-2.3	1.1	4.5	7.9	11.3	14.7	18.1	21.5	24.9	28.3	31.7	35.1	38.5	41.9	45.3	48.7	52.1	55.5	58.9	62.3	65.7	69.1	72.5	75.9	79.3	82.7	86.1	89.5	92.9	96.3	99.7	
13	31.4	21.5	11.6	1.7	-8.2	-18.1	-25.9	-33.8	-41.6	-49.5	-57.4	-65.2	-73.1	-81.0	-88.8	-96.7	-104.5	-112.4	-120.2	-128.0	-135.8	-143.6	-151.4	-159.2	-167.0	-174.8	-182.6	-190.4	-198.2	-206.0	-213.8	-221.6	-229.4	-237.2	-245.0	-252.8	-260.6	-268.4	-276.2	
14	-36.8	-33.4	-30.0	-26.7	-23.3	-19.9	-16.5	-13.1	-9.7	-6.3	-2.9	0.5	3.9	7.3	10.7	14.1	17.5	20.9	24.3	27.7	31.1	34.5	37.9	41.3	44.7	48.1	51.5	54.9	58.3	61.7	65.1	68.5	71.9	75.3	78.7	82.1	85.5	88.9	92.3	
15	42.8	37.6	32.4	27.2	22.0	16.8	11.6	6.4	1.2	-2.0	-7.2	-12.4	-17.6	-22.8	-28.0	-33.2	-38.4	-43.6	-48.8	-54.0	-59.2	-64.4	-69.6	-74.8	-80.0	-85.2	-90.4	-95.6	-100.8	-106.0	-111.2	-116.4	-121.6	-126.8	-132.0	-137.2	-142.4	-147.6	-152.8	
16	47.3	37.8	27.9	17.9	7.9	-1.8	-11.8	-21.8	-31.8	-41.8	-51.8	-61.8	-71.8	-81.8	-91.8	-101.8	-111.8	-121.8	-131.8	-141.8	-151.8	-161.8	-171.8	-181.8	-191.8	-201.8	-211.8	-221.8	-231.8	-241.8	-251.8	-261.8	-271.8	-281.8	-291.8	-301.8	-311.8	-321.8	-331.8	
17	-44.2	-40.8	-37.4	-34.0	-30.6	-27.2	-23.8	-20.4	-17.0	-13.6	-10.2	-6.8	-3.4	0.0	3.4	6.8	10.2	13.6	17.0	20.4	23.8	27.2	30.6	34.0	37.4	40.8	44.2	47.6	51.0	54.4	57.8	61.2	64.6	68.0	71.4	74.8	78.2	81.6	85.0	
18	43.5	38.3	33.1	27.9	22.7	17.5	12.3	7.1	1.9	-3.3	-8.5	-13.7	-18.9	-24.1	-29.3	-34.5	-39.7	-44.9	-50.1	-55.3	-60.5	-65.7	-70.9	-76.1	-81.3	-86.5	-91.7	-96.9	-102.1	-107.3	-112.5	-117.7	-122.9	-128.1	-133.3	-138.5	-143.7	-148.9		
19	-51.6	-48.2	-44.8	-41.4	-38.0	-34.6	-31.2	-27.8	-24.4	-21.0	-17.6	-14.2	-10.8	-7.4	-4.0	-0.6	2.8	6.2	9.6	13.0	16.4	19.8	23.2	26.6	30.0	33.4	36.8	40.2	43.6	47.0	50.4	53.8	57.2	60.6	64.0	67.4	70.8	74.2	77.6	
20	14.2	19.0	23.8	28.6	33.4	38.2	43.0	47.8	52.6	57.4	62.2	67.0	71.8	76.6	81.4	86.2	91.0	95.8	100.6	105.4	110.2	115.0	119.8	124.6	129.4	134.2	139.0	143.8	148.6	153.4	158.2	163.0	167.8	172.6	177.4	182.2	187.0	191.8	196.6	
21	59.3	40.4	30.4	20.5	10.6	0.6	-9.2	-19.1	-29.0	-38.8	-48.6	-58.4	-68.2	-78.0	-87.8	-97.6	-107.4	-117.2	-127.0	-136.8	-146.6	-156.4	-166.2	-176.0	-185.8	-195.6	-205.4	-215.2	-225.0	-234.8	-244.6	-254.4	-264.2	-274.0	-283.8	-293.6	-303.4	-313.2	-323.0	
22	-58.9	-55.6	-52.2	-48.8	-45.4	-42.0	-38.6	-35.2	-31.8	-28.4	-25.0	-21.6	-18.2	-14.8	-11.4	-8.0	-4.6	-1.2	2.2	5.6	9.0	12.4	15.8	19.2	22.6	26.0	29.4	32.8	36.2	39.6	43.0	46.4	49.8	53.2	56.6	60.0	63.4	66.8	70.2	
23	18.5	24.6	30.7	36.8	42.9	49.0	55.1	61.2	67.3	73.4	79.5	85.6	91.7	97.8	103.9	109.9	116.0	122.1	128.2	134.3	140.4	146.5	152.6	158.7	164.8	170.9	177.0	183.1	189.2	195.3	201.4	207.5	213.6	219.7	225.8	231.9	238.0	244.1	250.2	
24	22.5	14.4	6.2	-1.8	-9.7	-17.5	-25.3	-33.2	-41.0	-48.9	-56.8	-64.7	-72.6	-80.5	-88.4	-96.3	-104.2	-112.1	-120.0	-127.9	-135.8	-143.7	-151.6	-159.5	-167.4	-175.3	-183.2	-191.1	-199.0	-206.9	-214.8	-222.7	-230.6	-238.5	-246.4	-254.3	-262.2	-270.1		
25	16.5	24.7	32.8	41.0	49.1	57.2	65.3	73.4	81.5	89.6	97.7	105.8	113.9	122.0	130.1	138.2	146.3	154.4	162.5	170.6	178.7	186.8	194.9	203.0	211.1	219.2	227.3	235.4	243.5	251.6	259.7	267.8	275.9	284.0	292.1	300.2	308.3	316.4	324.5	
26	18.8	25.6	31.7	37.8	43.9	49.9	56.0	62.1	68.2	74.3	80.4	86.5	92.6	98.7	104.8	110.9	117.0	123.1	129.2	135.3	141.4	147.5	153.6	159.7	165.8	171.9	178.0	184.1	190.2	196.3	202.4	208.5	214.6	220.7	226.8	232.9	239.0	245.1	251.2	
27	6.8	11.0	19.2	27.3	35.4	43.5	51.6	59.7	67.8	75.9	84.0	92.1	100.2	108.3	116.4	124.5	132.6	140.7</																						

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:

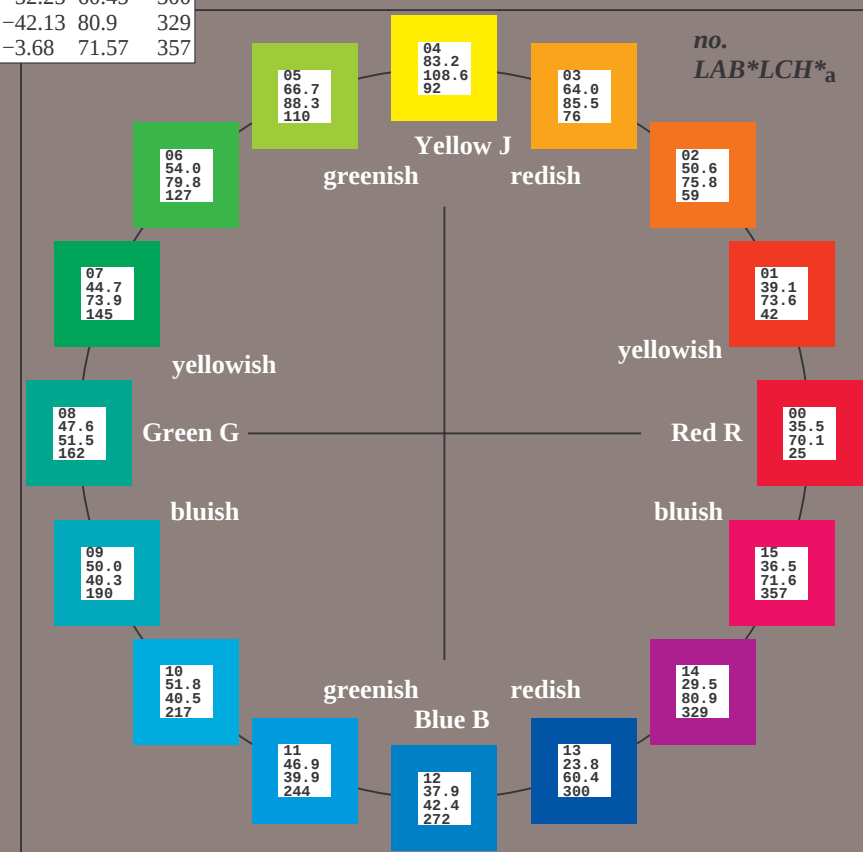
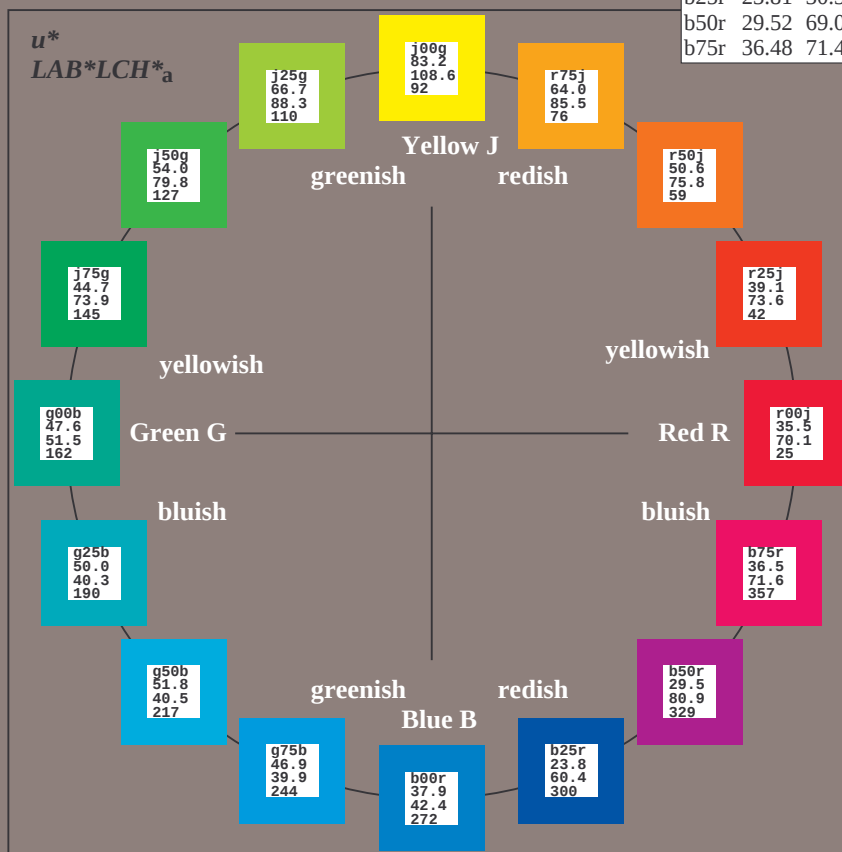
$lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

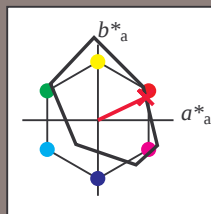
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

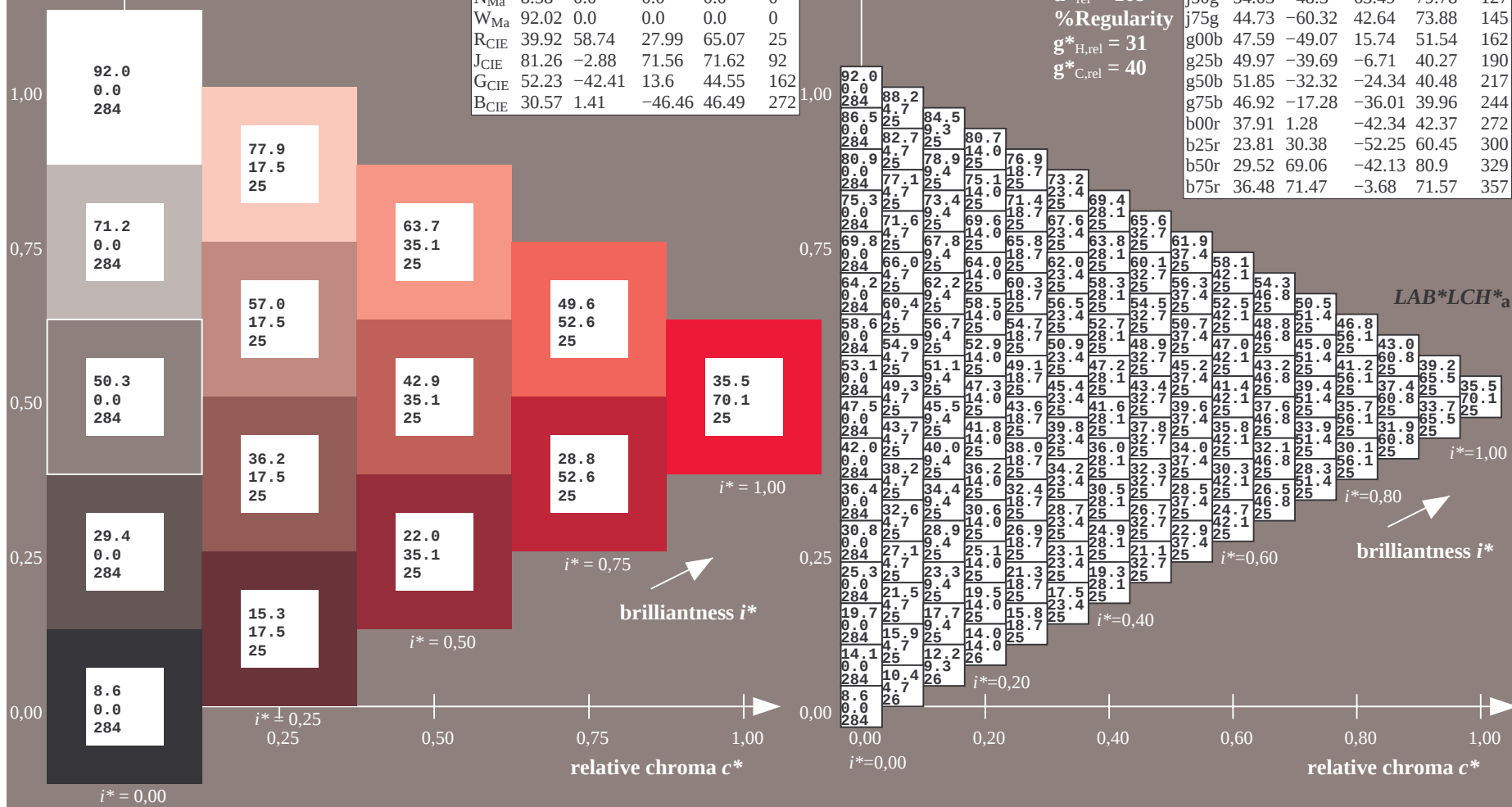
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

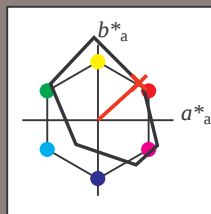
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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

$u^* = r25j$
 $LAB^*LCH^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

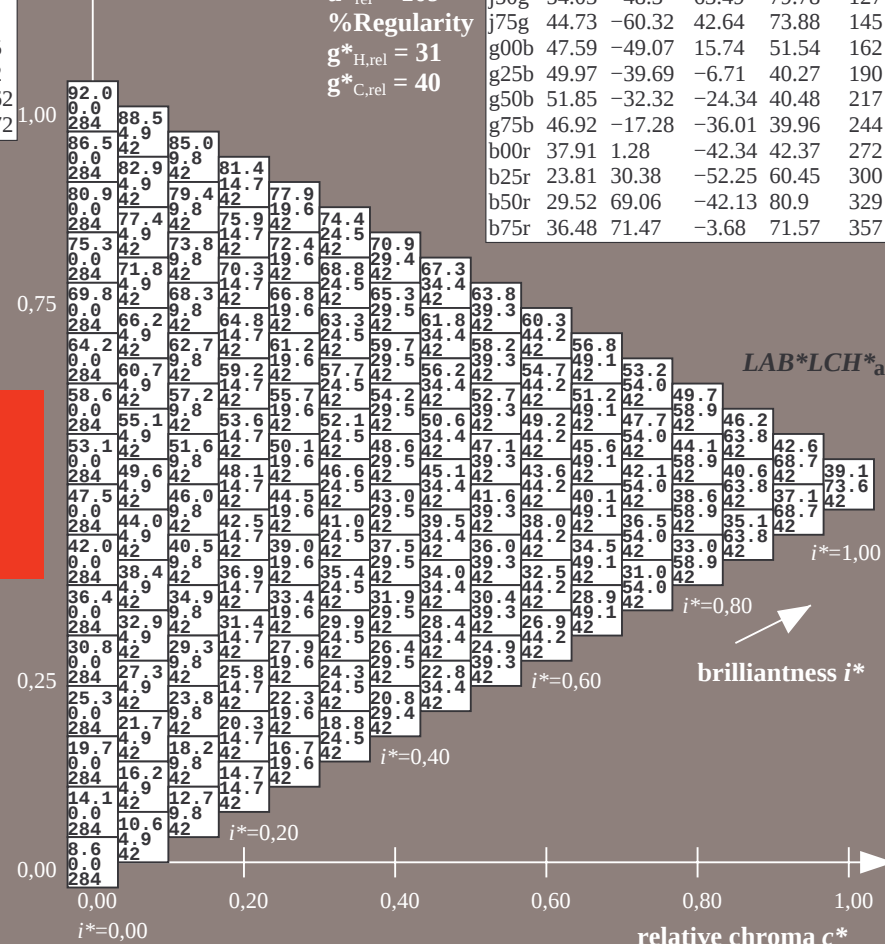
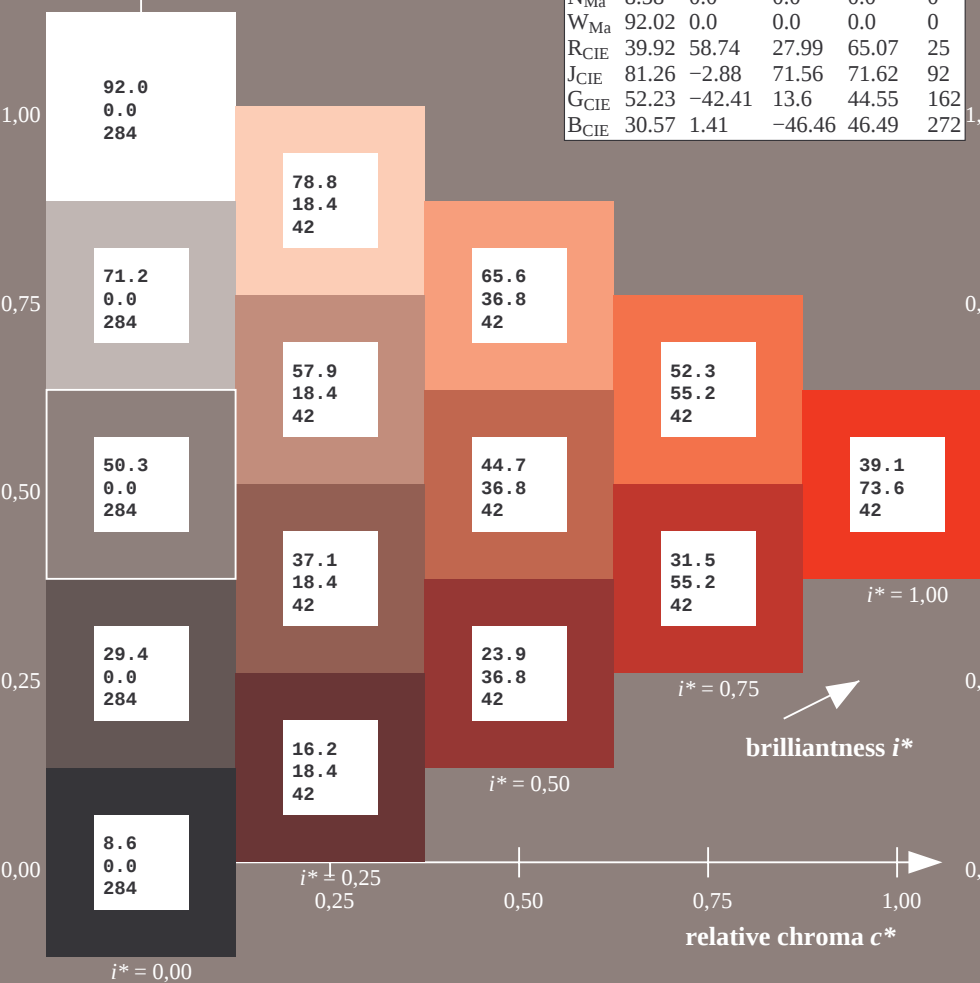
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



See for similar files: <http://www.ps.bam.de/De92/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20080701-De9210L/L92E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

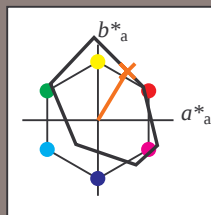
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ data for any colour: Data for maximum colour (Ma):

lab*tch** and *lab*icu*

elementary hue text:

$$u^* = r50j$$

contrast reduction factor:

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

FRS09_92aM; 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}: 51 39 65

LAB*LCH*M₂: 51 76 59

lab*rgb*Ma: 1.0 0.5 0.0

lab*olv*Ma: 1.0 0.32 0.0

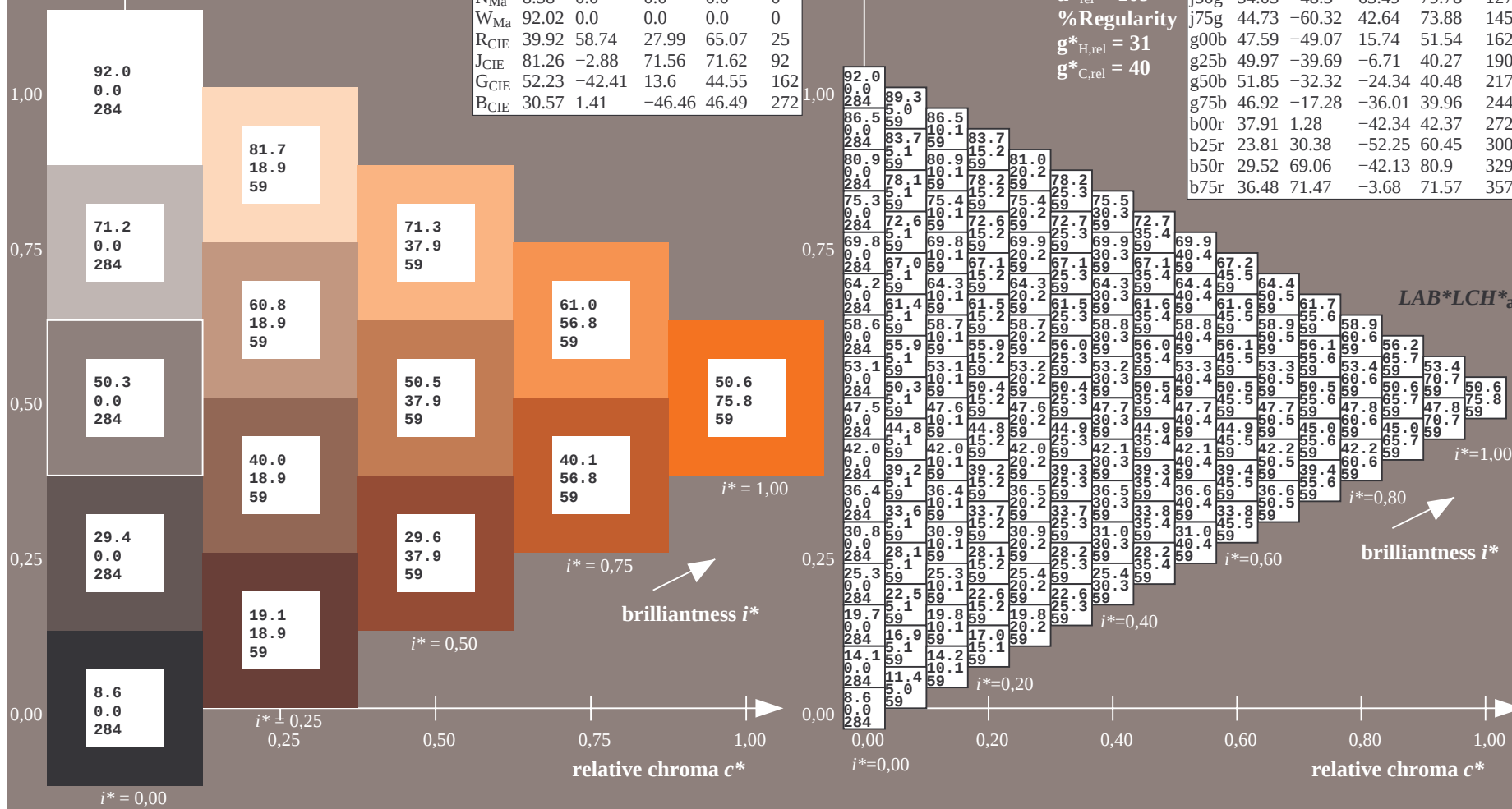
triangle lightness t^*

100

%Gamut

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

%Regular

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


BAM-test chart De92; Colorimetric systems, Page 76/180
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

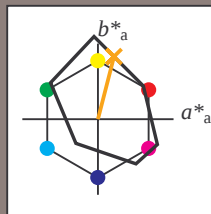
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

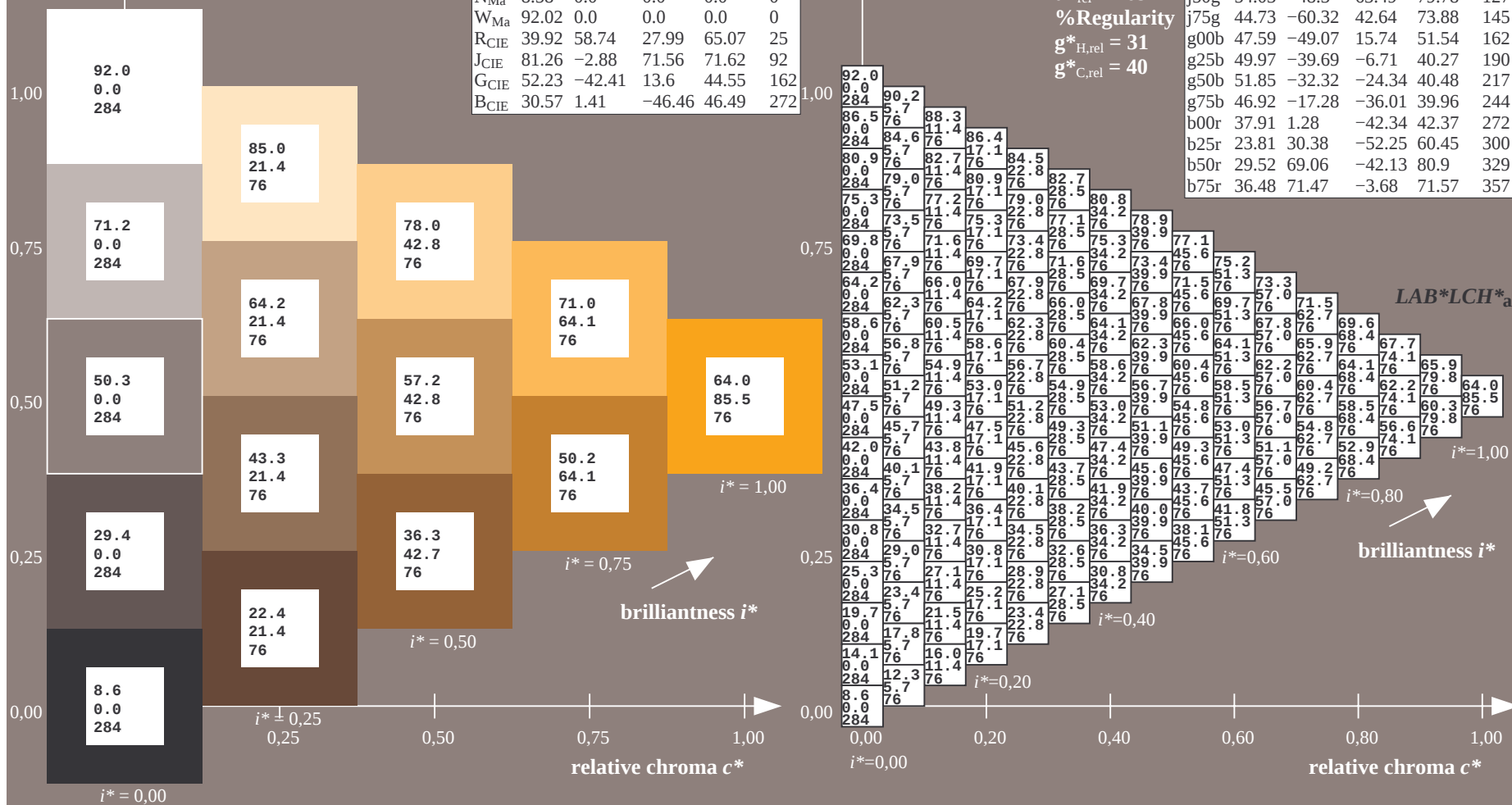
%Regularity

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

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

FRS09_92aM; 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

$u^* = r75j$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

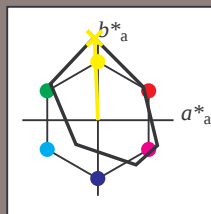
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

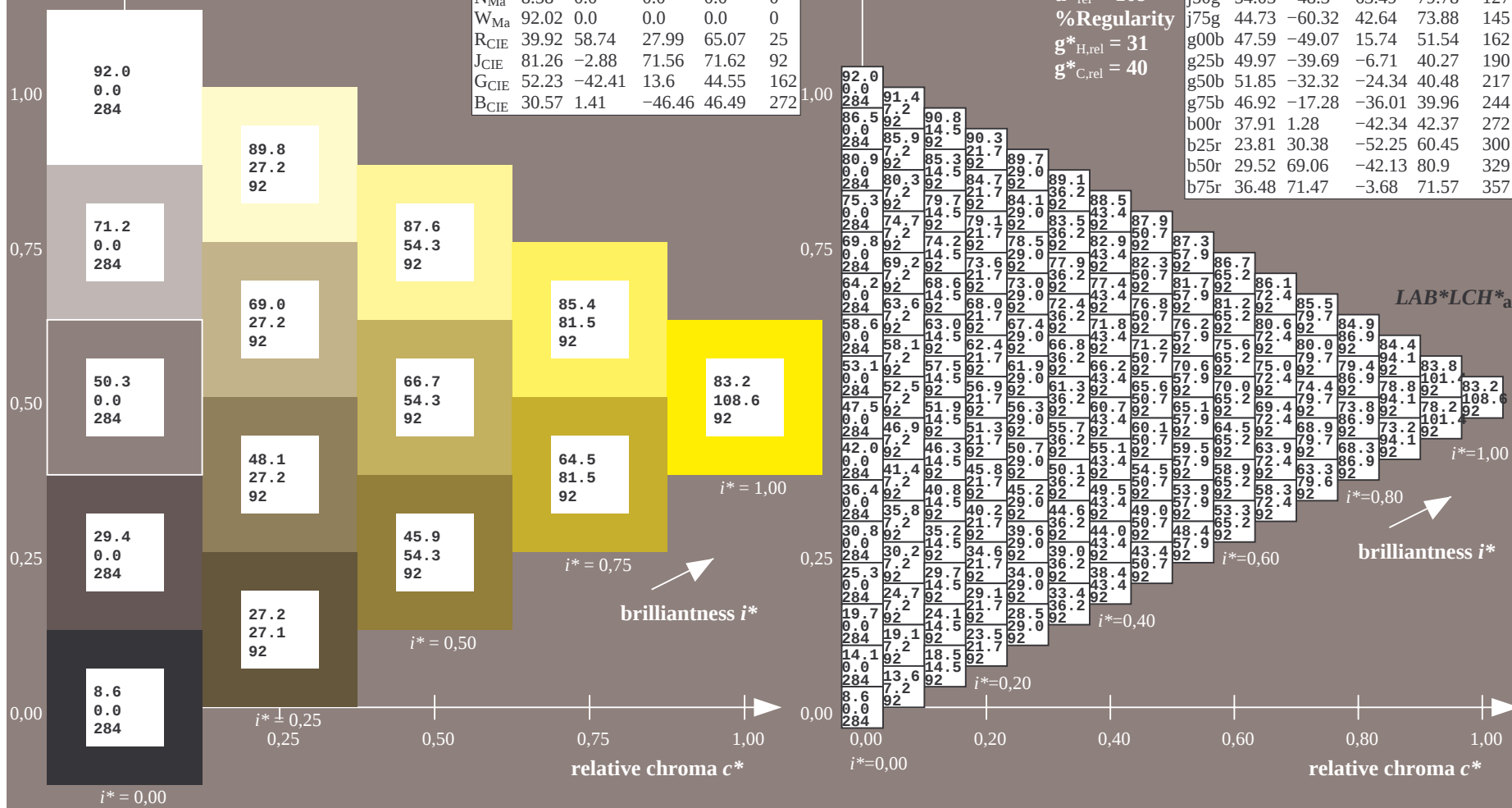
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

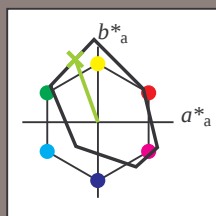
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

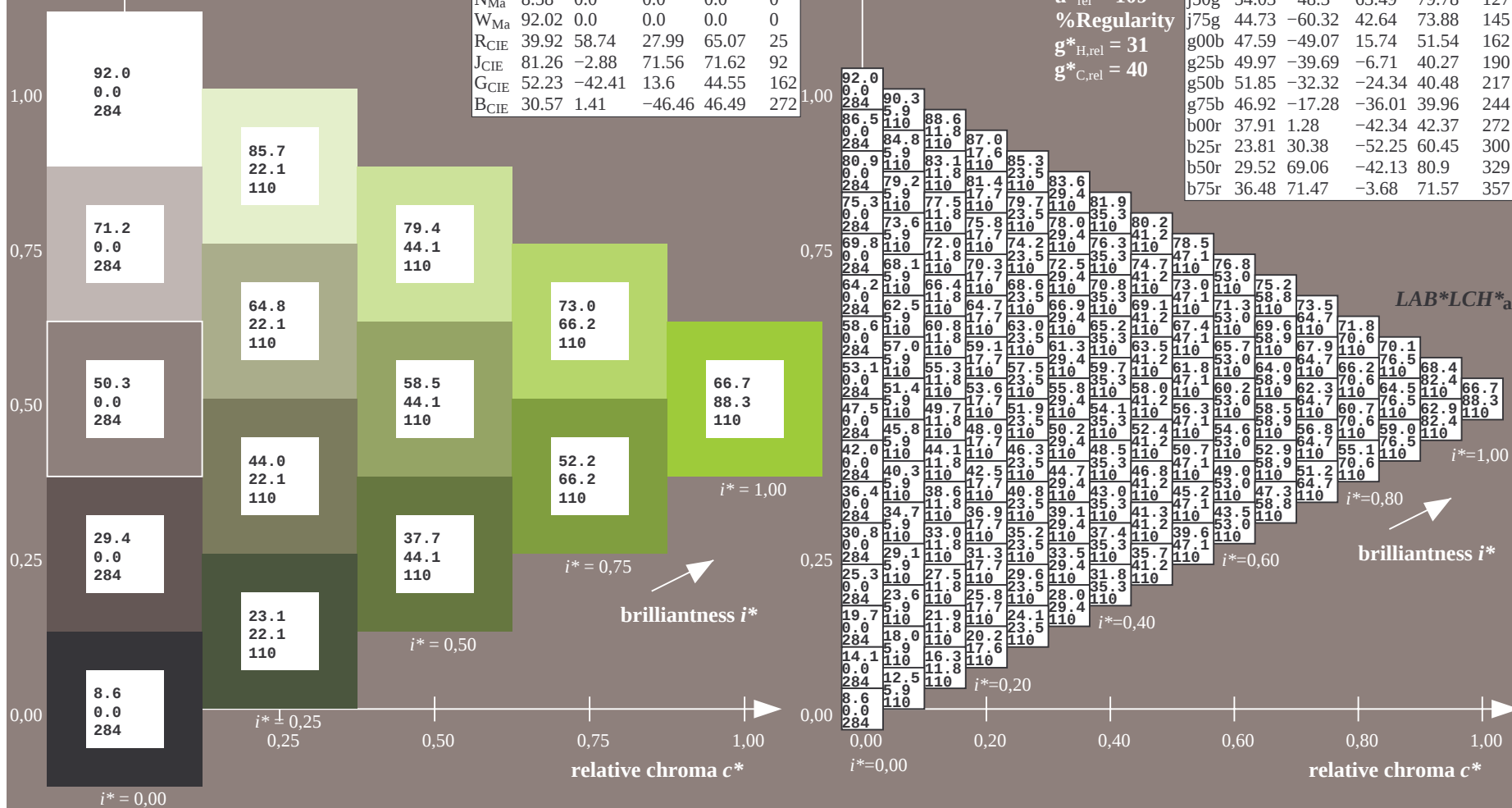
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

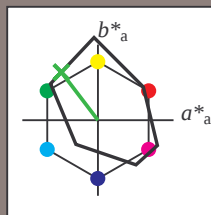
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

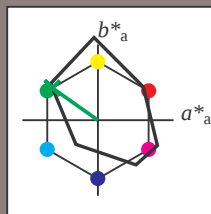
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

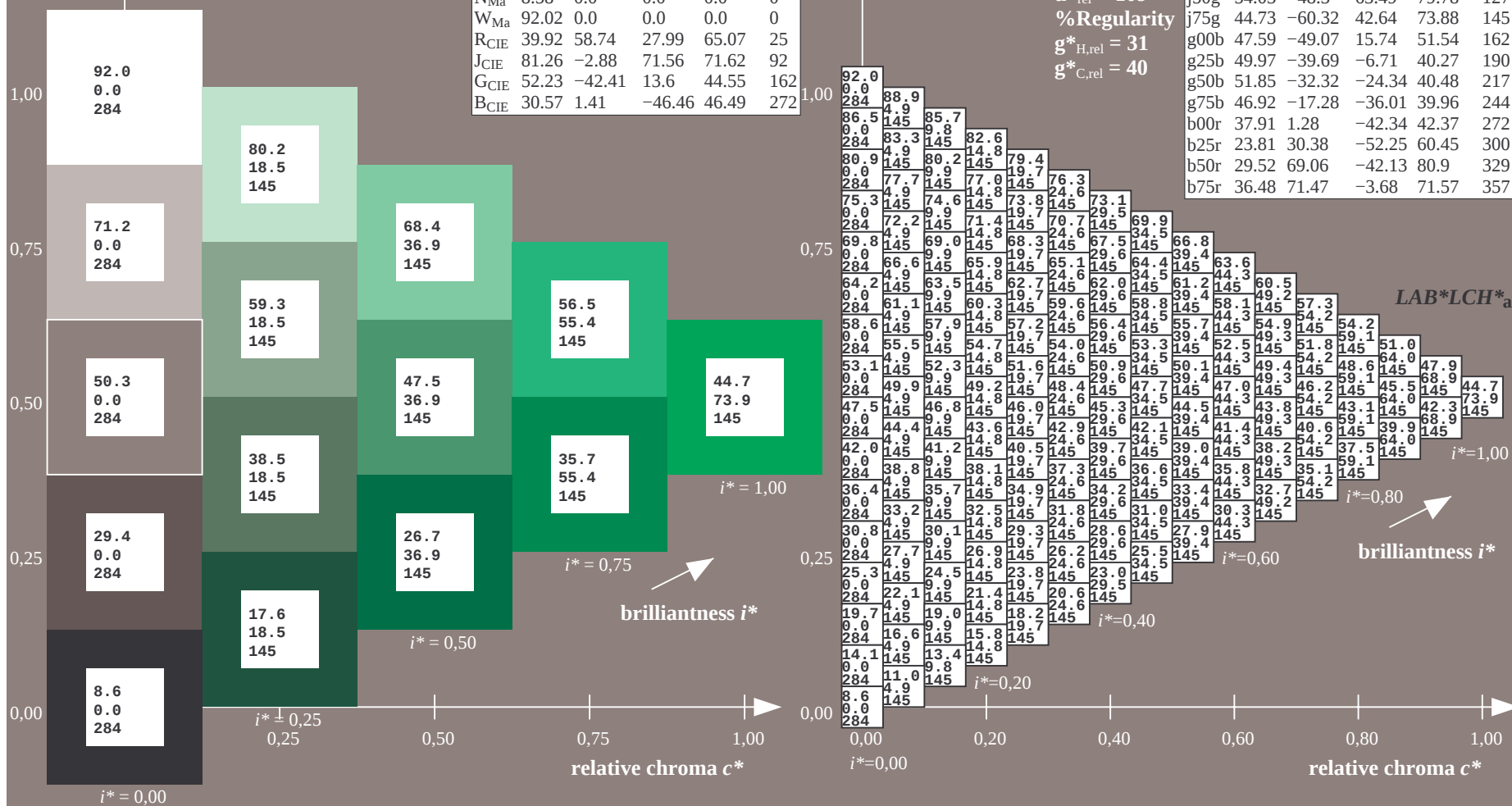
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

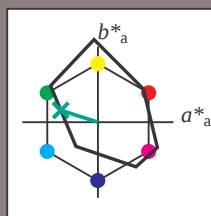
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

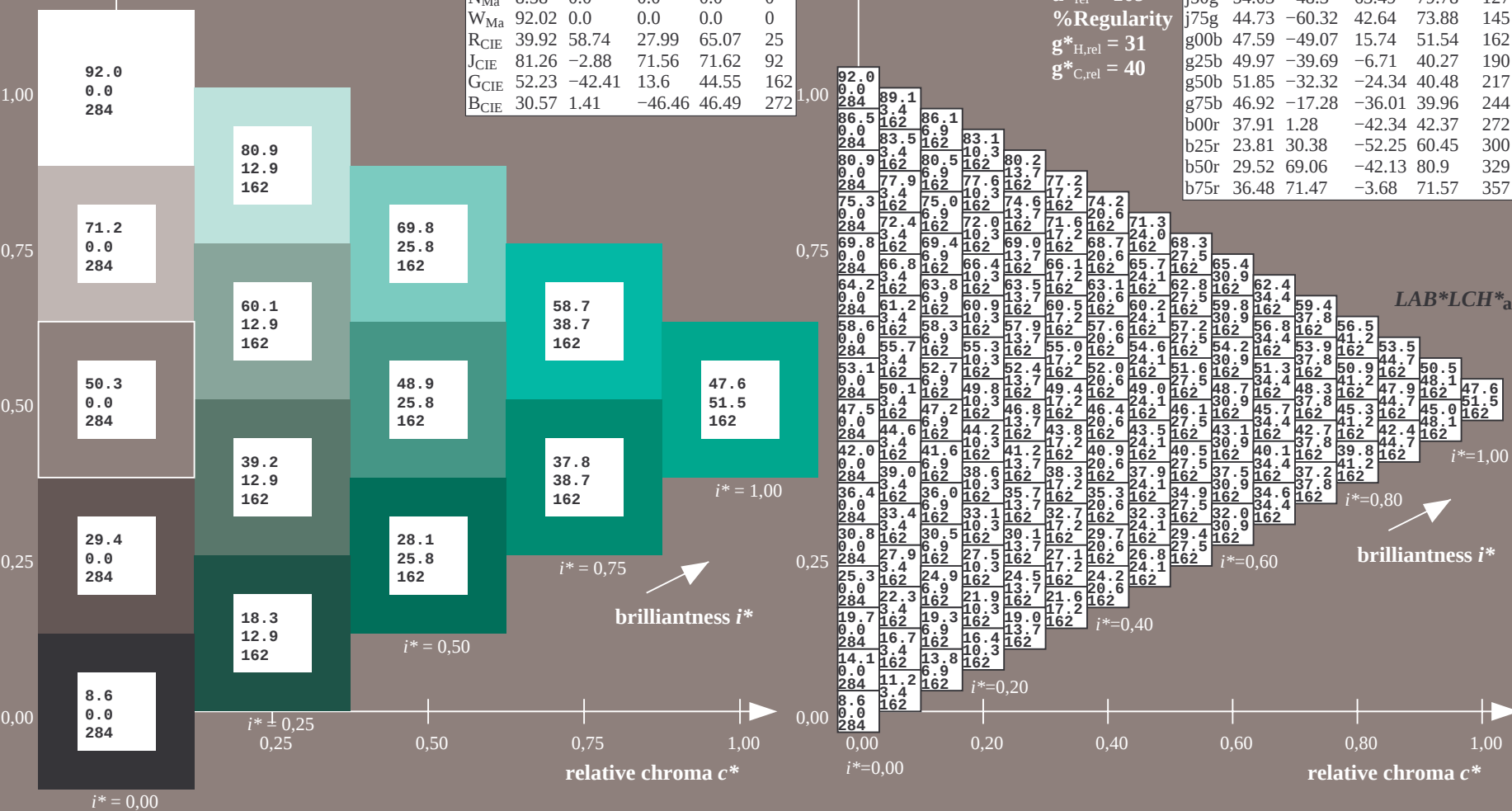
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

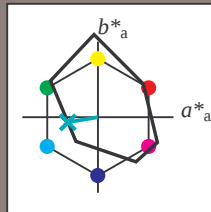
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

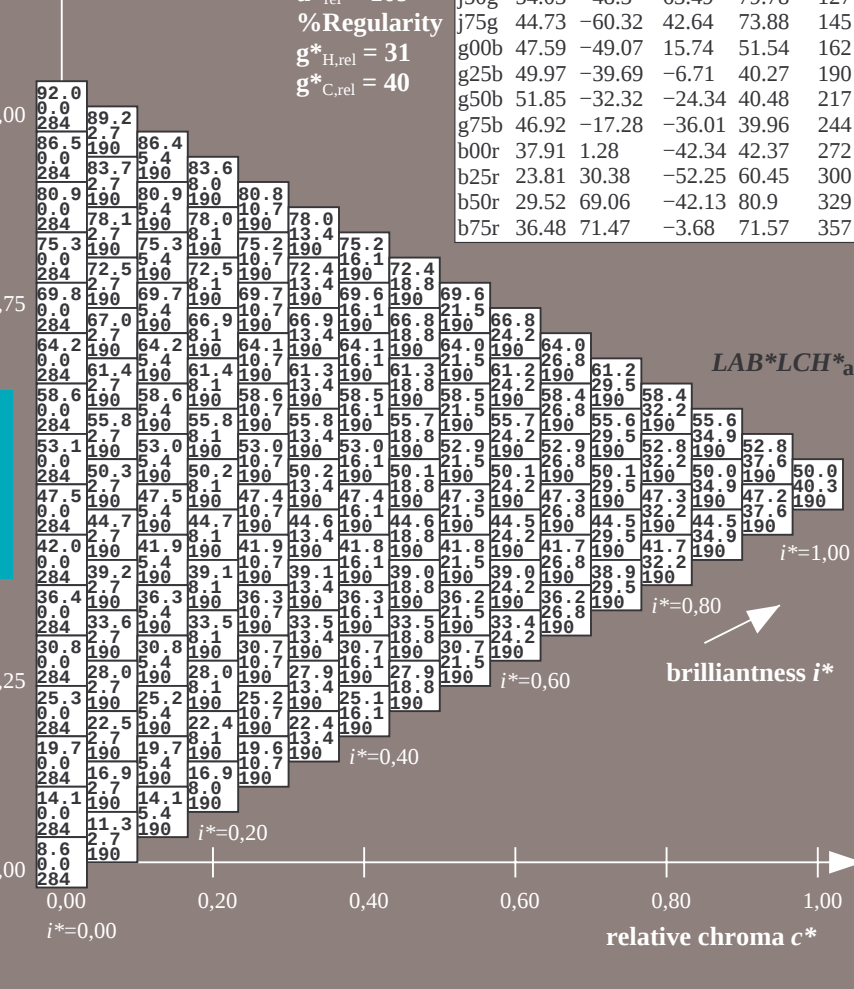
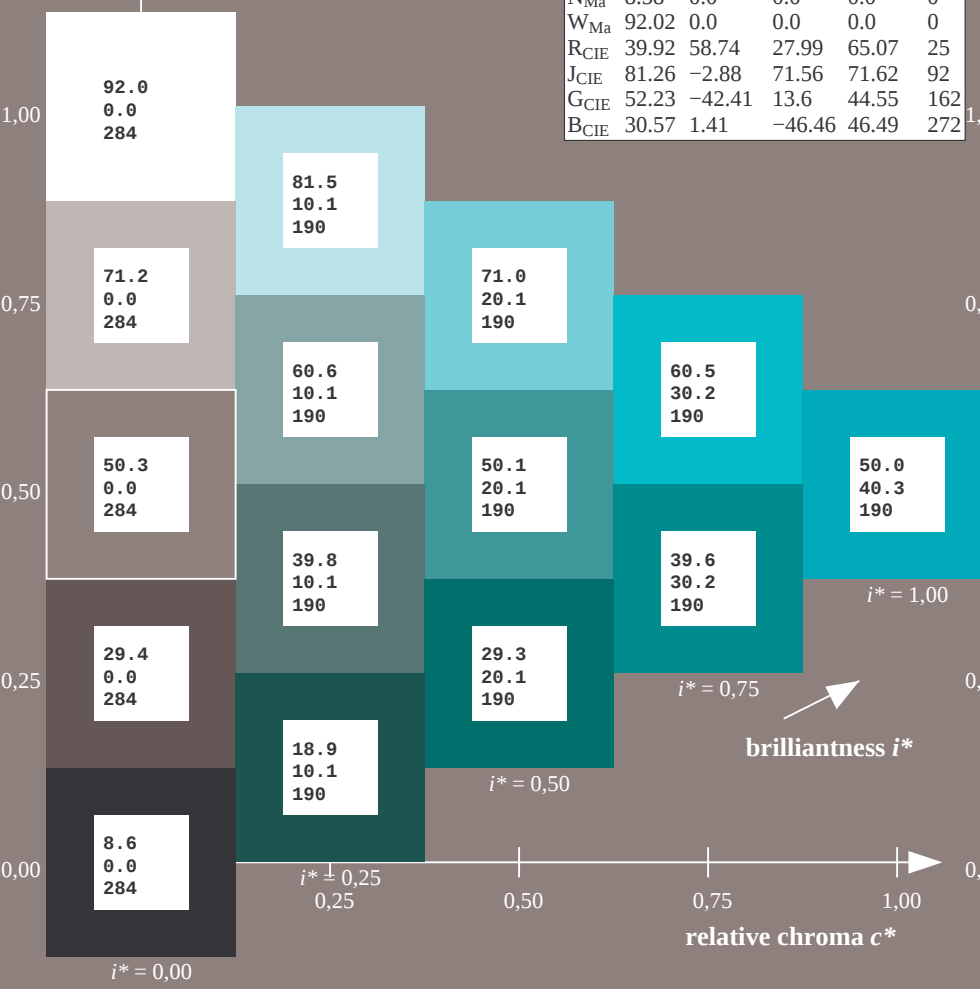
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

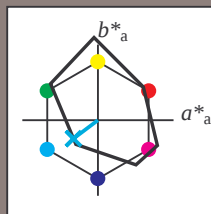
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

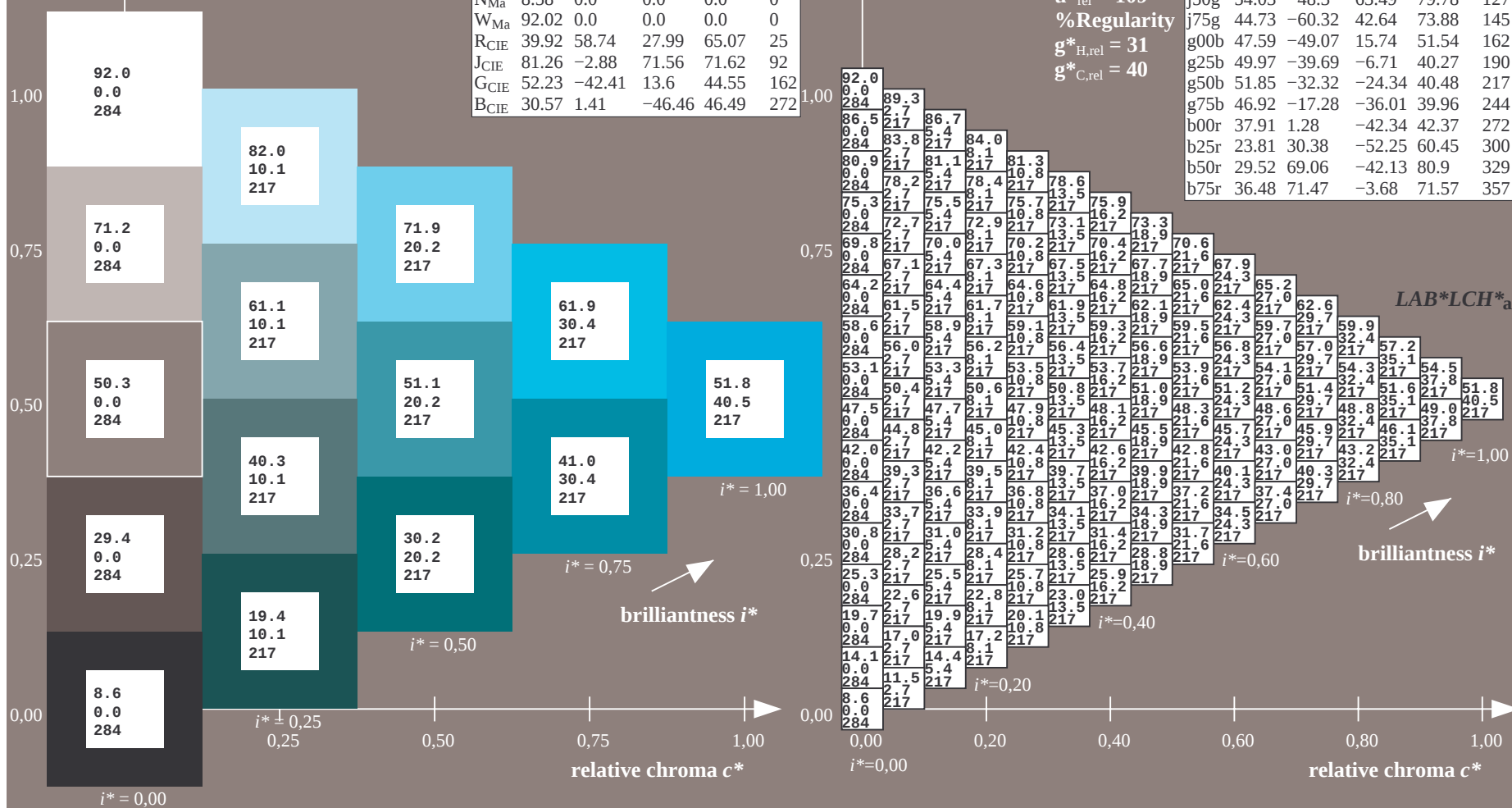
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

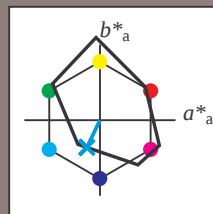
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

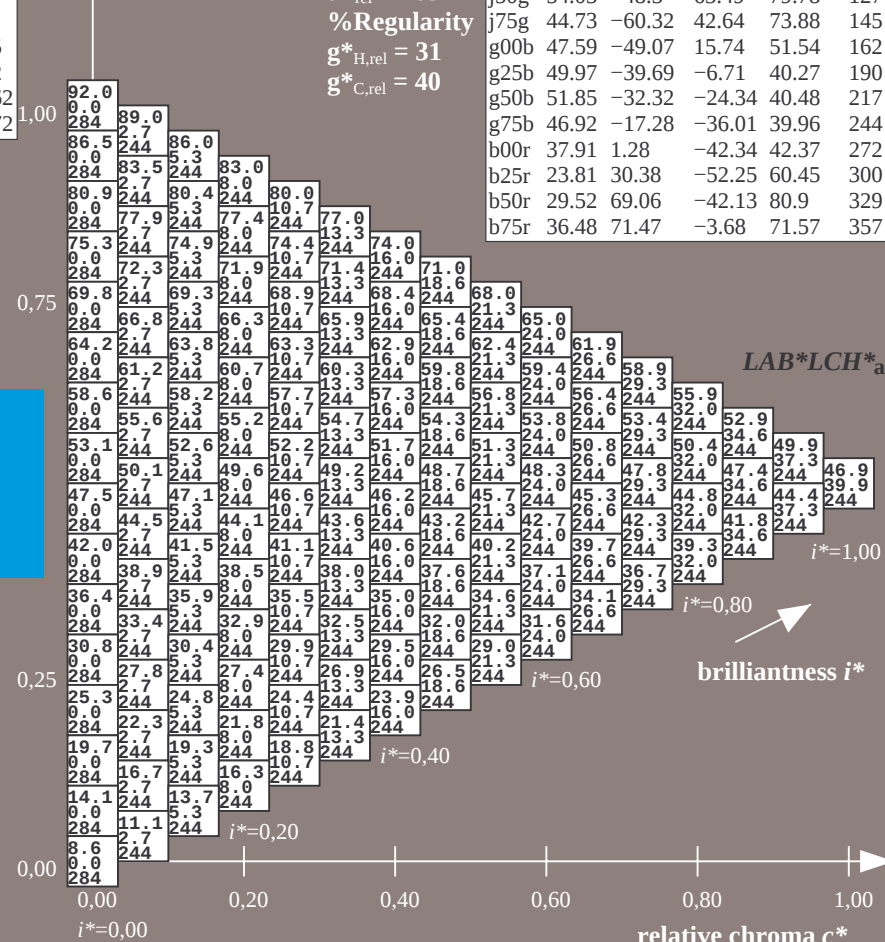
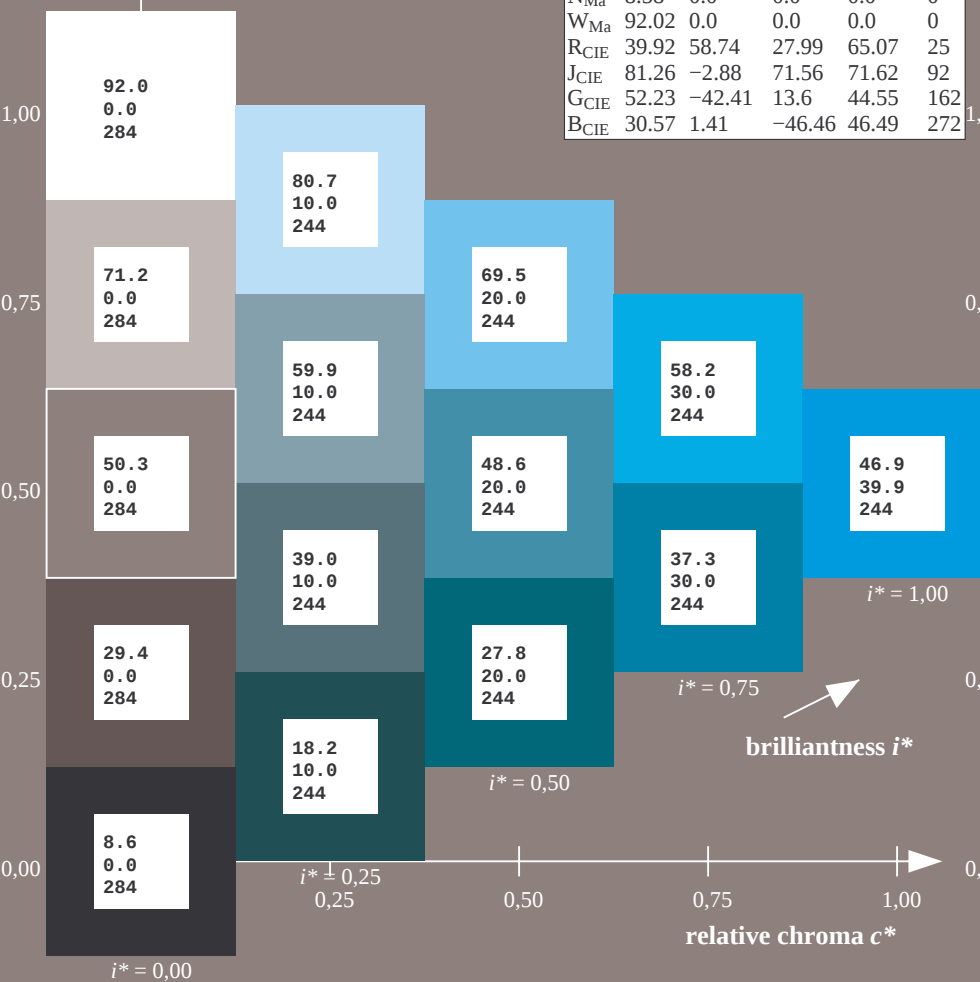
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

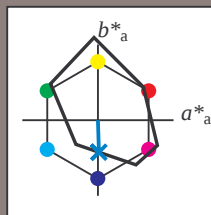
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

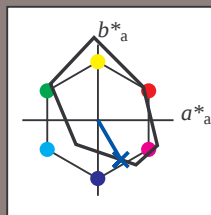
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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

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

$i^* = 1.00$

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

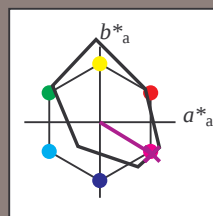
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

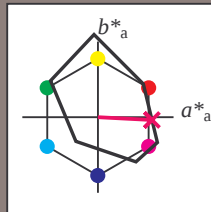
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

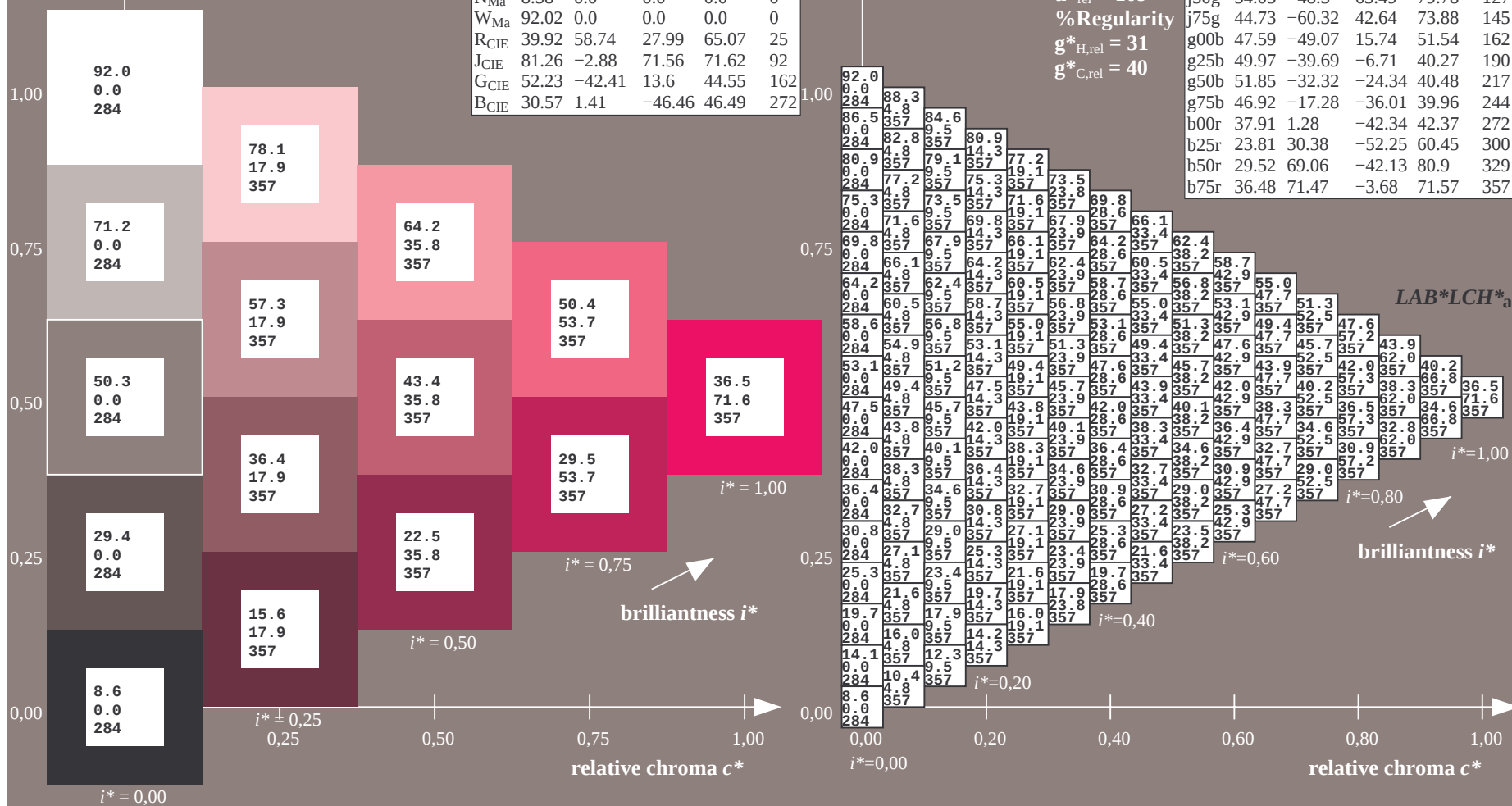
$g^*_{H,rel} = 31$

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

FRS09_92aM; 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

$u^* = b75r$
 $LAB^*LCH^*_{Ma}$



See for similar files: <http://www.ps.bam.de/De92/>; www.ps.bam.de/De92/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

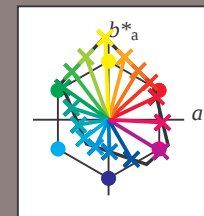
BAM registration: 20080701-De92/10L/L92E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	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*	a								
01	8.6	13.6	17.5	21.9	26.4	30.8	35.2	39.7	44.1	11.9	13.8	22.4	26.9	31.3	35.8	40.2	44.6	49.1	15.2	21.3	27.4	31.8	36.3	40.7	45.2	49.6	54.0	58.4	62.8	67.2	71.6	76.0	80.4	84.8	89.2	93.6	98.0	8.6	8.6	8.6	8.6						
	9.0	9.9	19.8	29.6	39.5	49.4	59.3	69.2	79.1	9.3	13.7	21.4	30.5	39.9	49.5	59.2	68.9	78.7	18.6	20.3	27.3	34.6	42.9	51.7	60.9	70.3	79.8	8.0	9.3	18.6	27.9	37.2	46.5	55.8	65.1	74.4	8.0	9.0	9.0	9.0							
	284	142	142	142	142	142	142	142	142	36	9.3	11.3	122	127	130	132	134	135	36	70	93	105	113	119	122	128	128	127	284	36	36	36	36	36	36	284	284	284	284								
02	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	28.4	32.9	37.3	41.7	46.2	50.6	55.1	59.5	63.9	68.3	72.7	77.1	81.5	85.9	90.3	94.7	99.1	9.3	9.3	9.3	9.3						
	9.7	5.4	11.0	20.9	30.6	40.4	50.2	60.0	69.8	10.7	0.0	9.9	19.8	29.7	39.5	49.2	59.3	69.2	17.4	9.3	21.4	31.3	41.2	51.1	60.9	70.7	80.5	90.3	100.1	110.0	119.8	129.7	139.6	149.5	159.4	169.3	179.2	0.0	0.0	0.0	0.0						
	310	228	170	157	153	149	148	147	337	284	142	142	142	142	142	142	142	142	4	36	93	113	122	127	130	132	134	284	36	36	36	36	36	36	284	284	284	284									
03	10.6	14.8	19.6	24.0	28.5	32.9	37.4	41.8	46.3	12.9	19.7	24.5	29.0	33.4	37.9	42.3	46.7	51.2	15.8	22.6	29.4	33.9	38.3	42.8	47.2	51.7	56.1	60.5	64.9	69.3	73.7	78.1	82.5	86.9	91.3	95.7	100.1	10.6	10.6	10.6	10.6						
	19.4	11.7	10.8	15.2	23.3	32.4	41.8	51.5	61.2	19.8	9.7	5.4	11.7	20.9	30.6	40.4	50.2	60.0	21.4	10.7	0.0	9.9	19.8	29.7	39.5	49.4	59.3	10.8	5.4	0.0	9.3	18.6	27.9	37.2	46.5	55.8	65.1	74.4	0.0	0.0	0.0	0.0					
	310	228	170	187	178	162	157	154	153	324	310	228	170	257	153	150	149	148	337	284	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142							
04	10.7	15.5	20.3	25.1	29.6	34.0	38.4	42.9	47.3	13.6	20.4	25.2	30.0	34.5	38.9	43.4	47.8	52.3	16.5	23.3	30.1	34.9	39.4	43.8	48.2	52.7	57.1	61.5	65.9	70.3	74.7	79.1	83.5	87.9	92.3	96.7	101.1	10.7	10.7	10.7	10.7						
	29.1	20.8	15.4	16.2	19.6	26.6	35.0	44.0	53.3	29.3	19.4	11.7	10.8	15.2	23.3	32.4	41.9	51.2	30.3	19.8	9.7	5.4	11.7	20.9	30.6	40.4	50.2	60.0	69.8	79.6	89.4	99.2	109.0	118.8	128.6	138.4	148.2	158.0	0.0	0.0	0.0	0.0					
	310	295	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166							
05	11.4	16.2	21.0	25.8	30.6	35.1	39.5	44.0	48.4	14.3	21.1	25.9	30.6	35.0	39.4	43.8	48.2	52.6	17.2	24.0	30.8	35.6	40.0	44.4	48.8	53.2	57.6	62.0	66.4	70.8	75.2	79.6	84.0	88.4	92.8	97.2	101.6	11.4	11.4	11.4	11.4						
	38.8	30.2	23.4	15.9	9.9	21.6	24.5	38.1	46.6	38.9	29.1	10.8	4.4	16.5	19.7	26.5	35.0	44.0	33.3	27.2	19.4	11.7	10.8	15.2	23.3	32.4	41.8	51.2	60.6	70.0	79.4	88.8	98.2	107.6	117.0	126.4	135.8	145.2	154.6	0.0	0.0	0.0	0.0				
	310	300	283	257	228	204	187	177	170	317	310	295	266	228	198	170	164	164	324	320	310	283	228	187	170	162	157	228	228	228	228	228	228	228	228	228	228	228	228	228	228						
06	12.1	16.9	21.7	26.5	31.3	36.1	40.6	45.0	49.5	15.0	21.8	26.6	31.4	36.2	41.1	45.5	49.9	54.4	17.9	24.7	31.5	36.3	41.2	46.0	50.4	54.9	59.3	63.7	68.1	72.5	76.9	81.3	85.7	90.1	94.5	98.9	103.3	12.1	12.1	12.1	12.1						
	48.5	39.8	32.3	26.8	24.8	27.0	29.5	34.8	41.7	48.6	38.8	30.0	23.4	19.9	21.6	24.5	30.5	38.1	49.1	38.9	29.1	20.8	15.6	16.2	19.8	26.6	35.0	27.0	21.6	16.2	10.8	5.4	0.0	9.3	18.6	27.9	37.2	46.5	55.8	65.1	74.4	0.0	0.0	0.0	0.0		
	310	303	291	274	250	228	208	193	183	316	310	300	283	257	228	204	187	177	322	317	310	295	266	228	198	180	170	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228					
07	12.8	17.6	22.4	27.2	32.0	36.8	41.2	45.6	50.0	15.7	22.5	27.3	32.1	36.5	40.9	45.3	49.7	54.1	18.6	25.4	32.2	37.0	41.9	46.7	51.1	55.5	60.0	64.4	68.8	73.2	77.6	82.0	86.4	90.8	95.2	99.6	104.0	12.8	12.8	12.8	12.8						
	58.2	49.5	41.6	35.0	32.0	30.9	29.9	32.4	34.7	39.4	58.2	48.5	39.8	32.3	26.8	24.8	27.0	29.6	34.8	58.7	48.6	38.8	30.2	23.4	19.9	21.6	25.5	30.5	35.2	40.2	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0					
	310	304	295	283	266	246	228	211	198	315	310	303	291	274	250	228	208	193	320	316	310	300	283	257	228	204	187	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228					
08	13.5	18.3	23.1	27.9	32.7	37.5	42.3	47.2	51.6	16.4	23.2	28.0	32.8	37.6	42.4	47.2	52.0	56.8	19.3	26.1	32.9	37.7	42.5	47.4	52.2	57.0	61.8	66.6	71.4	76.2	81.0	85.8	90.6	95.4	100.2	105.0	13.5	13.5	13.5	13.5							
	67.9	59.1	51.0	43.9	38.4	35.2	35.0	37.9	39.9	67.9	58.2	49.5	41.6	35.0	30.8	29.9	32.5	34.7	68.3	58.2	48.5	39.8	32.3	26.8	24.8	27.0	29.5	37.9	32.5	27.0	21.6	16.2	10.8	5.4	0.0	9.3	18.6	27.9	37.2	46.5	55.8	65.1	74.4	0.0	0.0	0.0	0.0
	310	305	298	289	276	261	244	228	213	314	310	304	295	283	266	246	228	211	318	315	310	303	291	274	250	228	208	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228				
09	14.2	19.0	23.8	28.6	33.4	38.2	43.0	47.8	52.7	17.1	23.9	28.7	33.5	38.3	43.1	48.0	52.8	57.6	20.0	26.8	33.6	38.4	43.2	48.1	52.9	57.7	62.5	67.3	72.1	76.9	81.7	86.5	91.3	96.1	100.9	105.7	14.2	14.2	14.2	14.2							
	77.5	68.8	60.0	53.0	46.7	42.1	39.8	40.2	43.3	77.6	67.9	58.7	51.0	43.9	38.4	35.0	37.9	77.9	67.9	58.2	49.4	41.5	35.0	30.8	29.9	32.4	43.3	37.9	32.4	27.0	21.6	16.2	10.8	5.4	0.0	9.3	18.6	27.9	37.2	46.5	55.8	65.1	74.4	0.0	0.0	0.0	0.0
	310	306	300	293	283	271	257	241	228	314	310	305	298	288	276	261	244	228	317	314	310	304	295	283	266	246	228	228	228	228	228	228	228	228	228												

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:

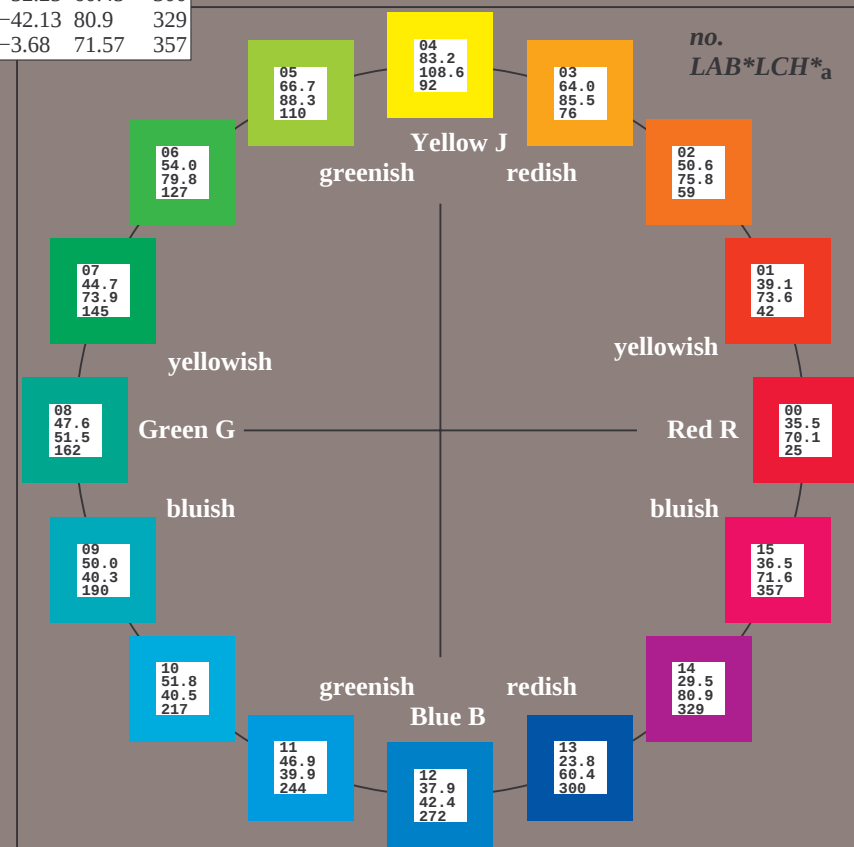
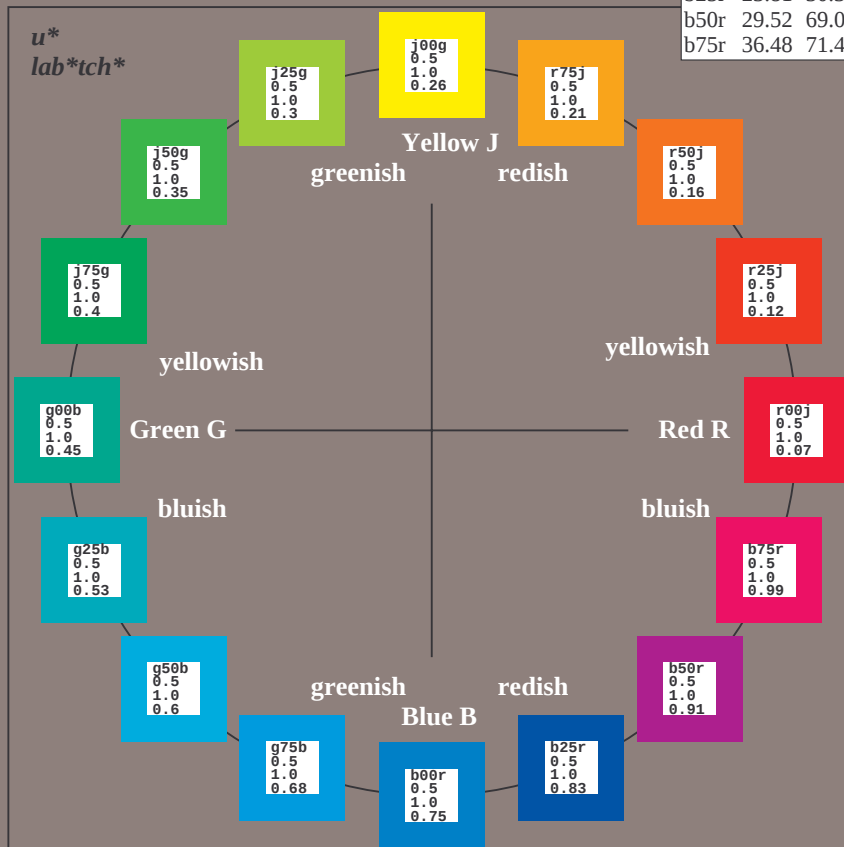
$lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

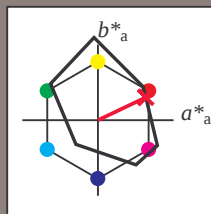
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

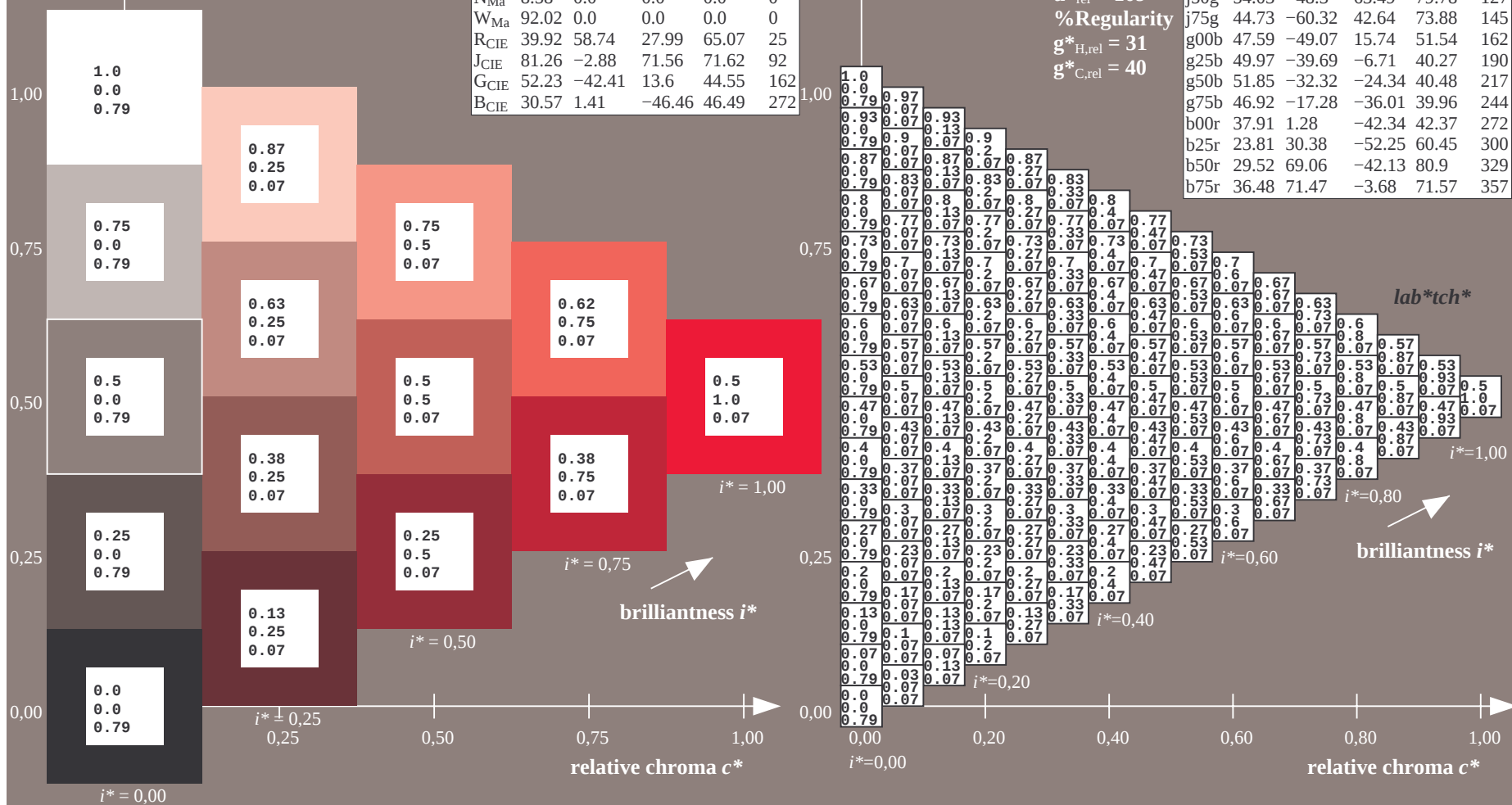
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

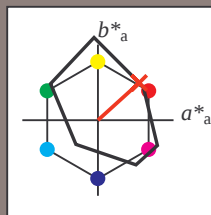
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

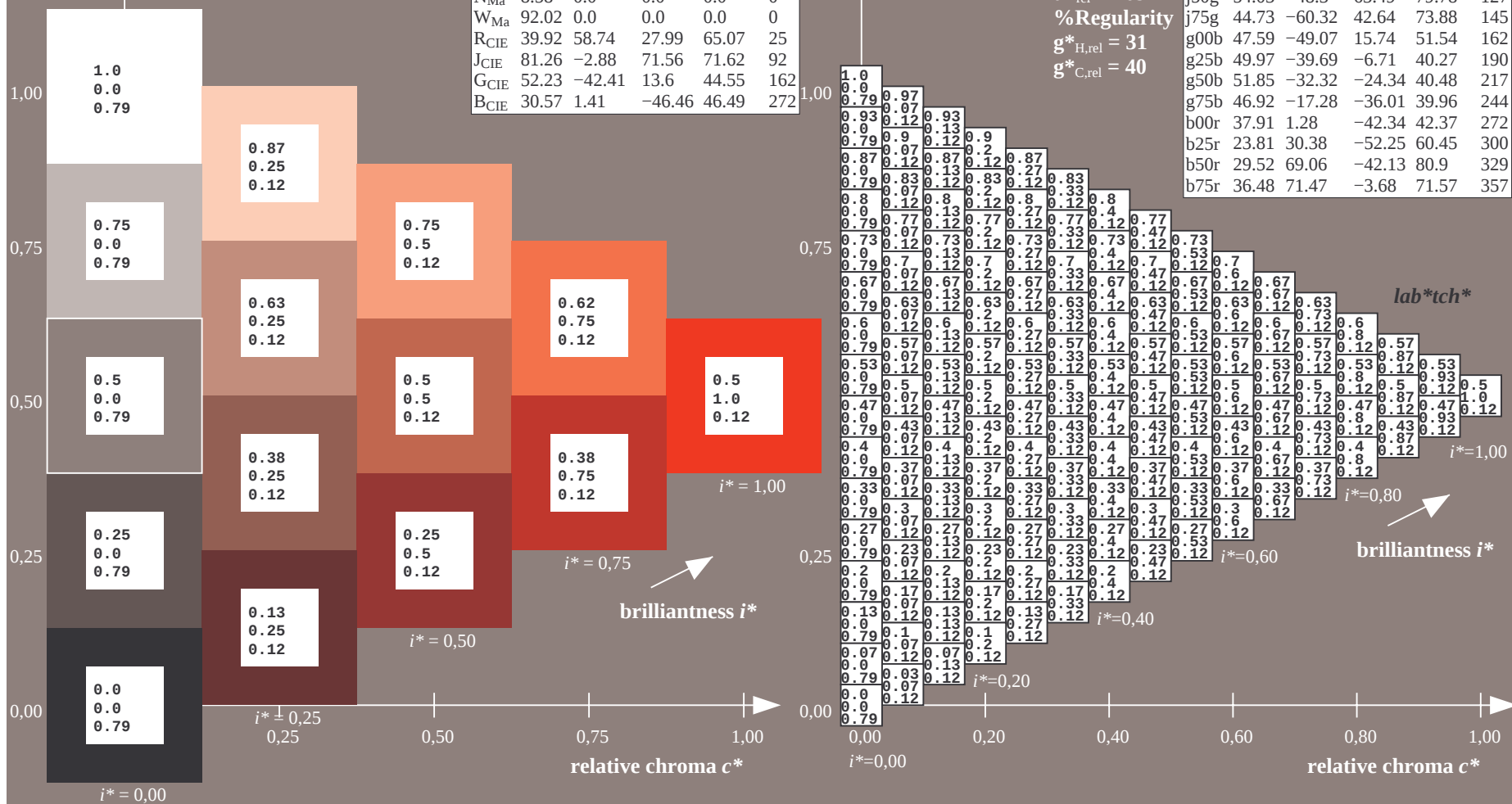
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

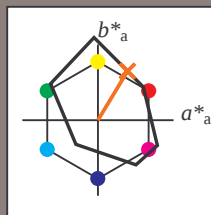
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

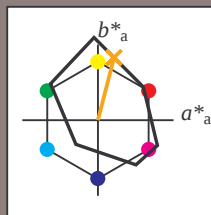
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

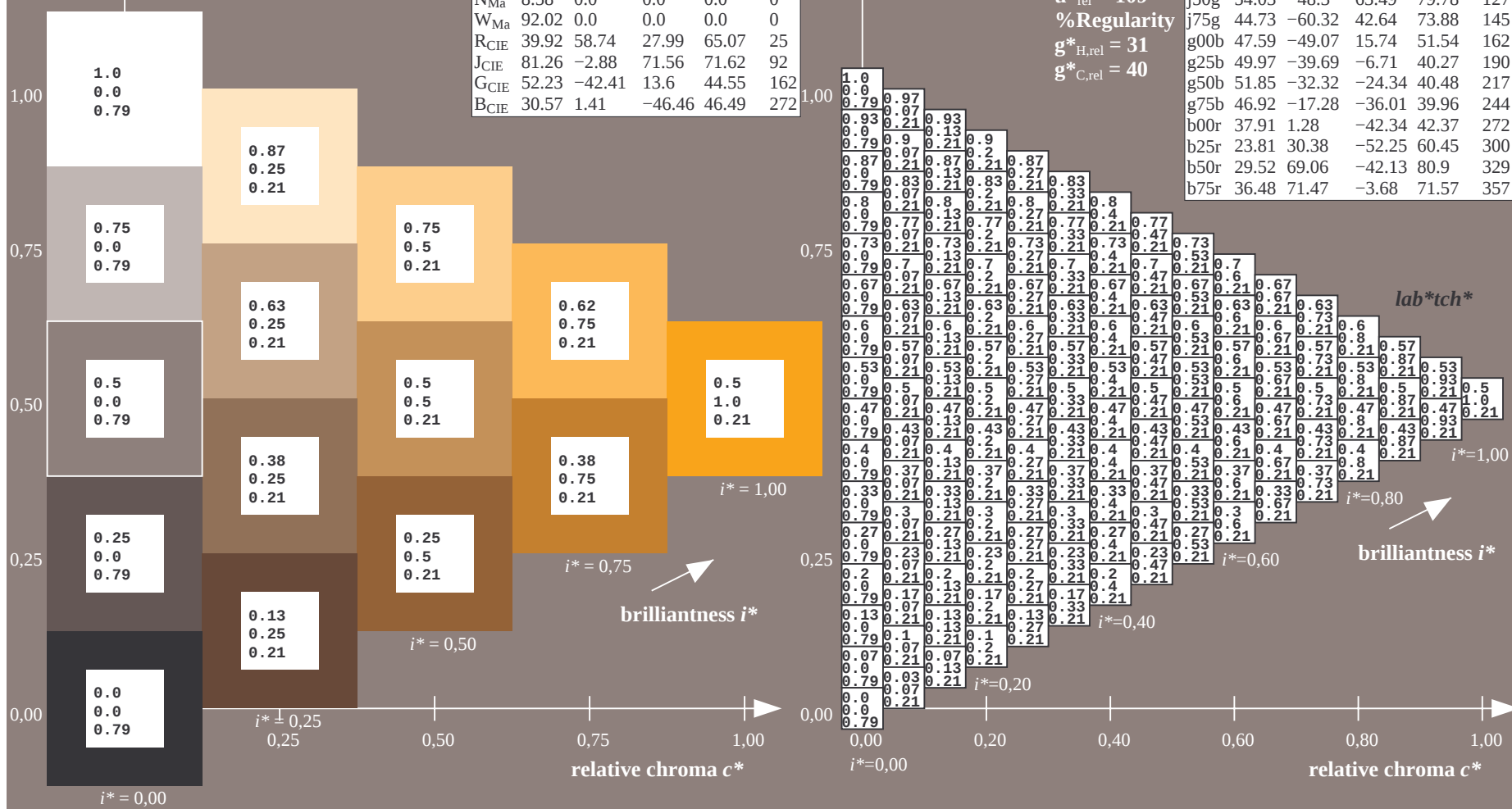
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

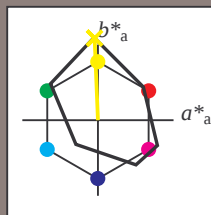
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

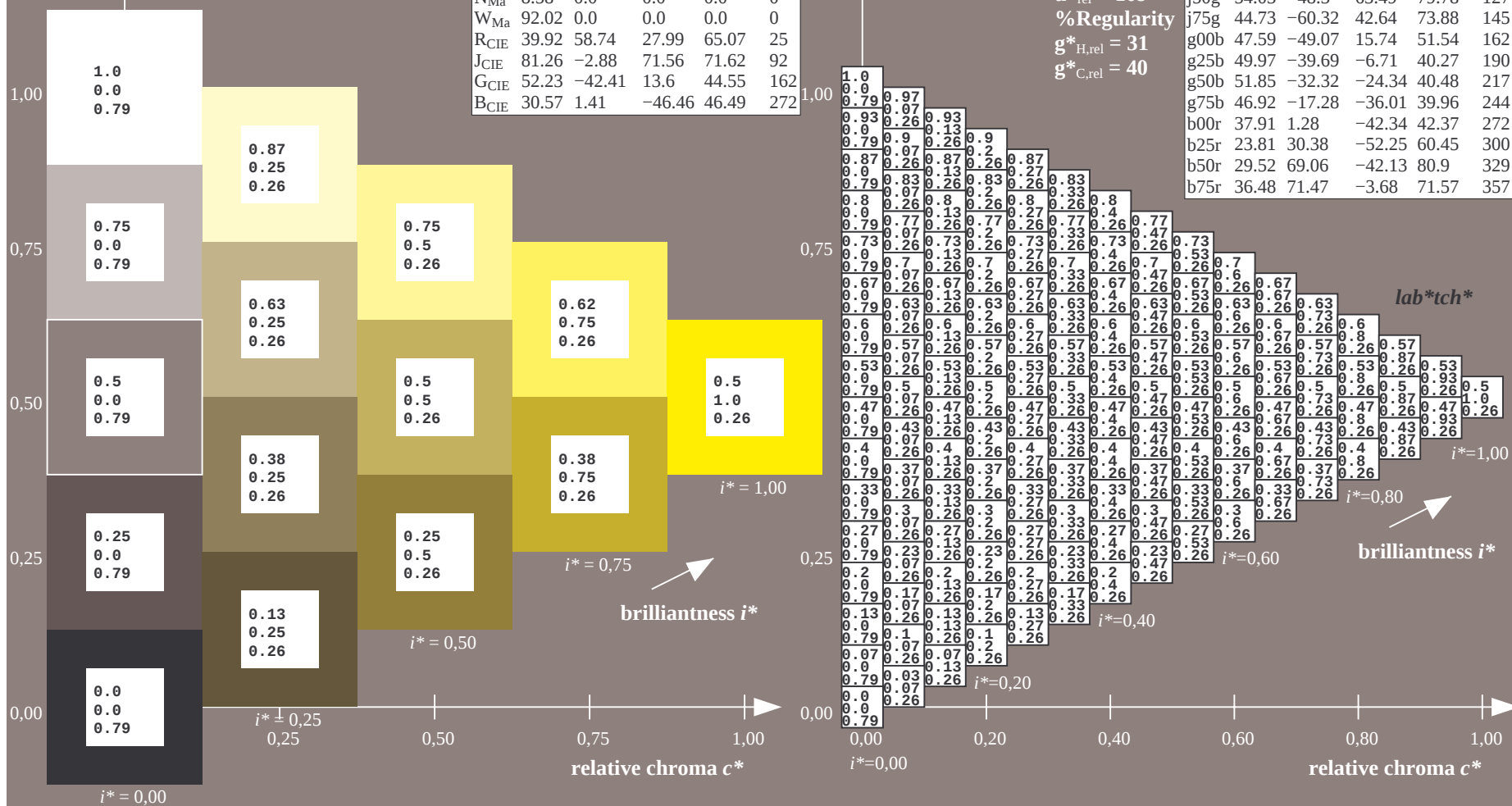
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

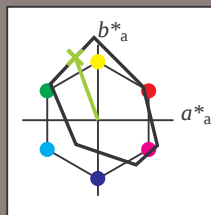
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

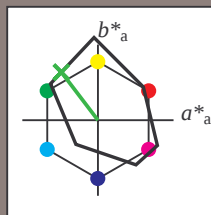
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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):

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

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

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

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

triangle lightness t^*

%Gamut

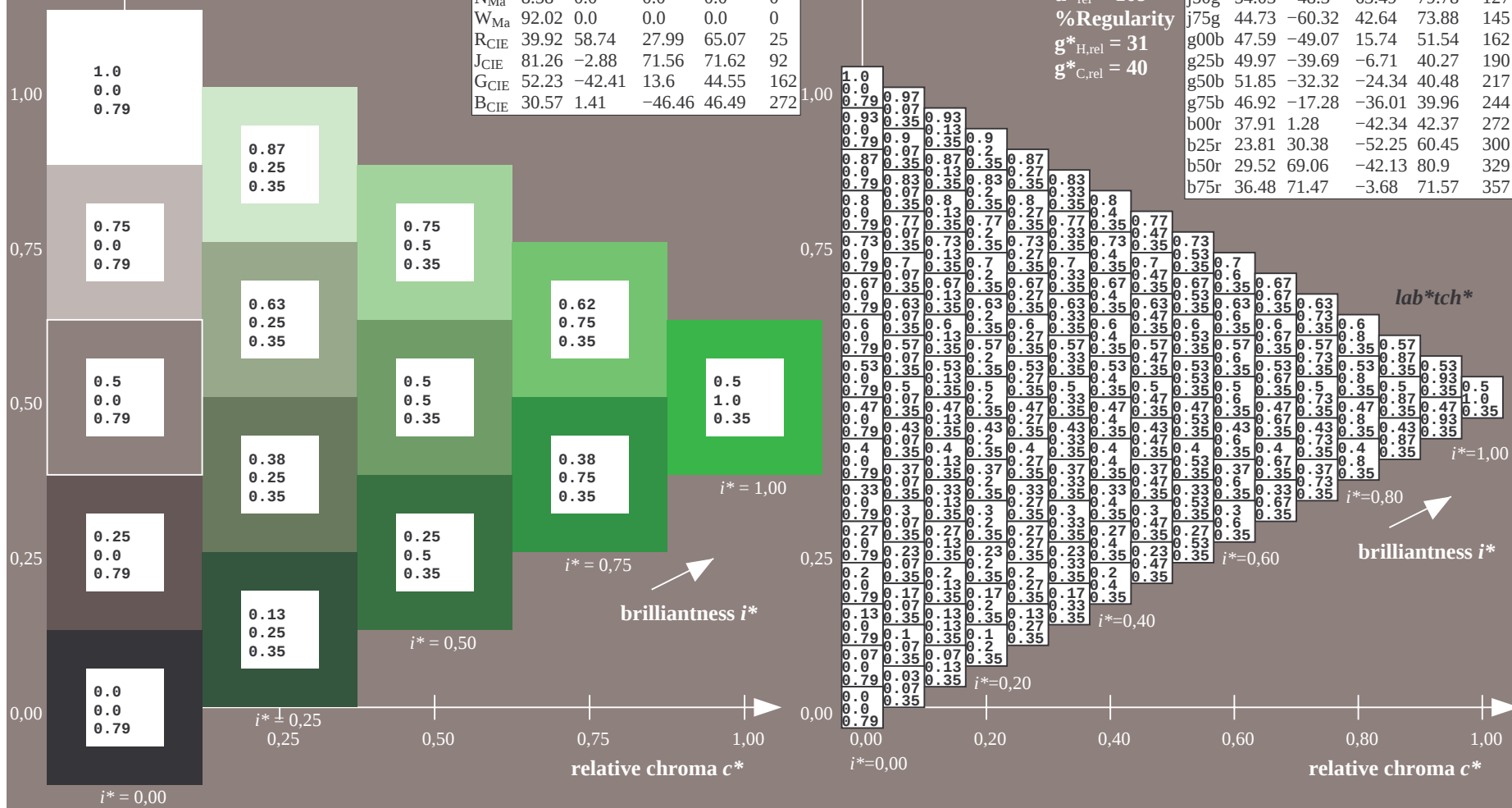
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

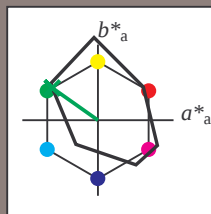
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

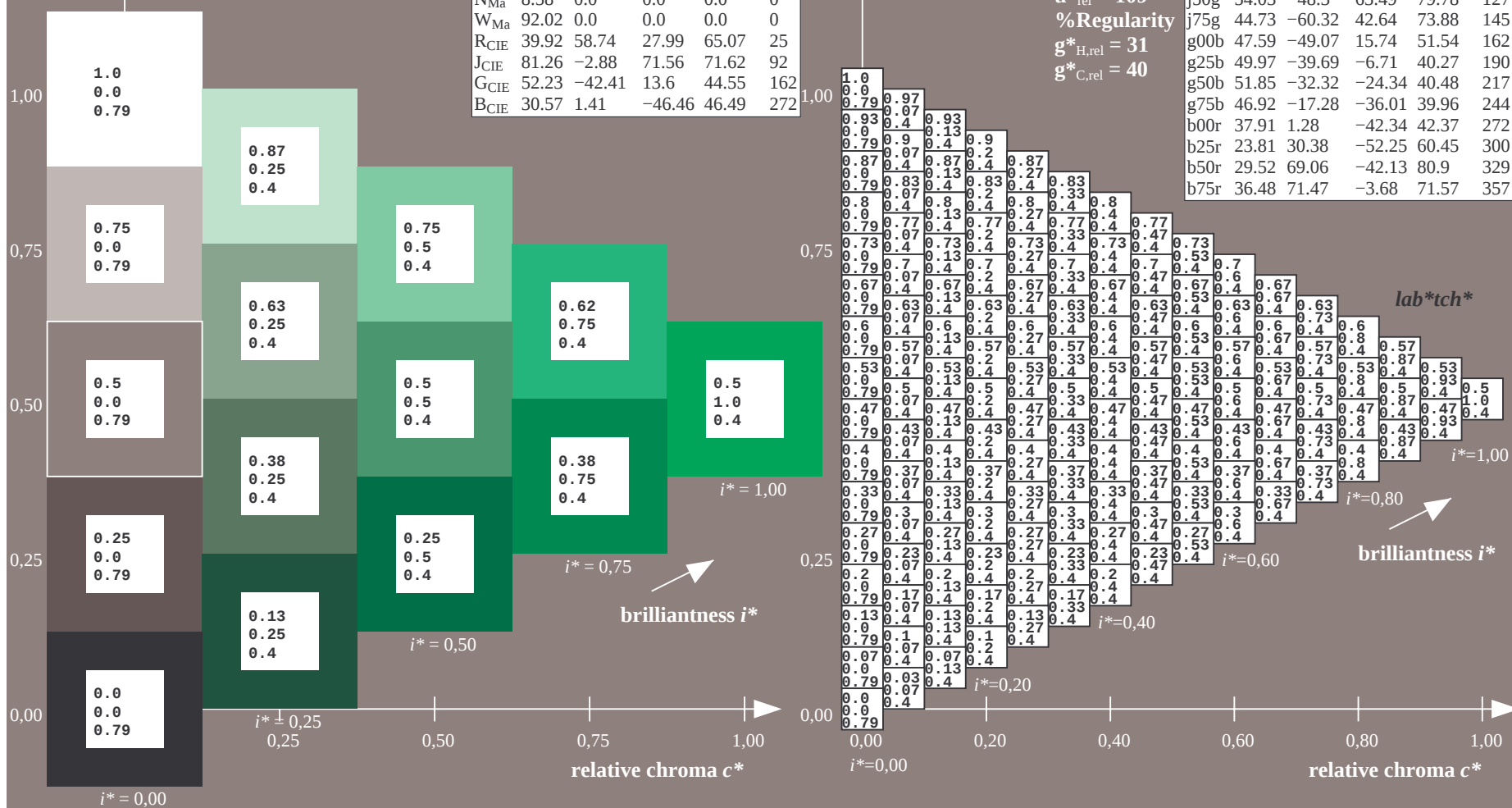
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

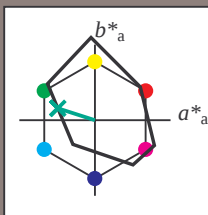
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

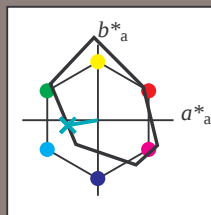
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

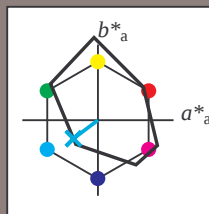
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

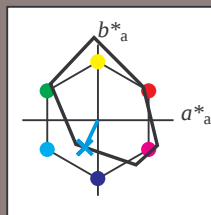
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

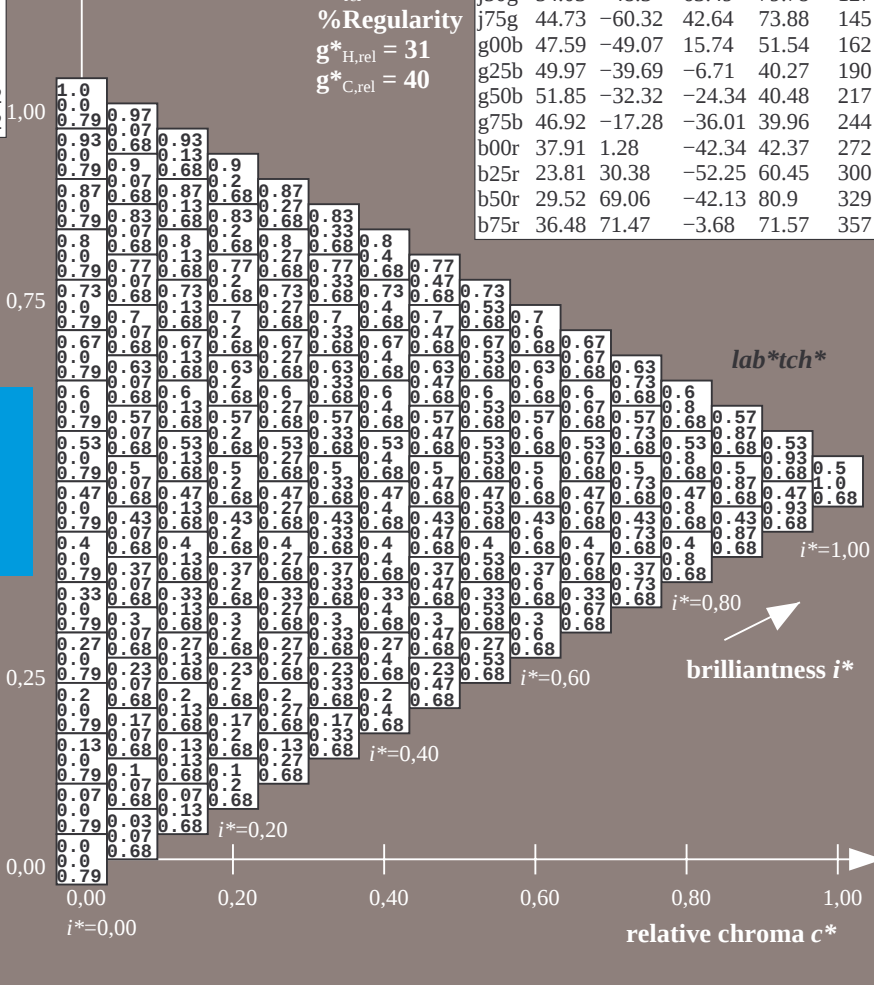
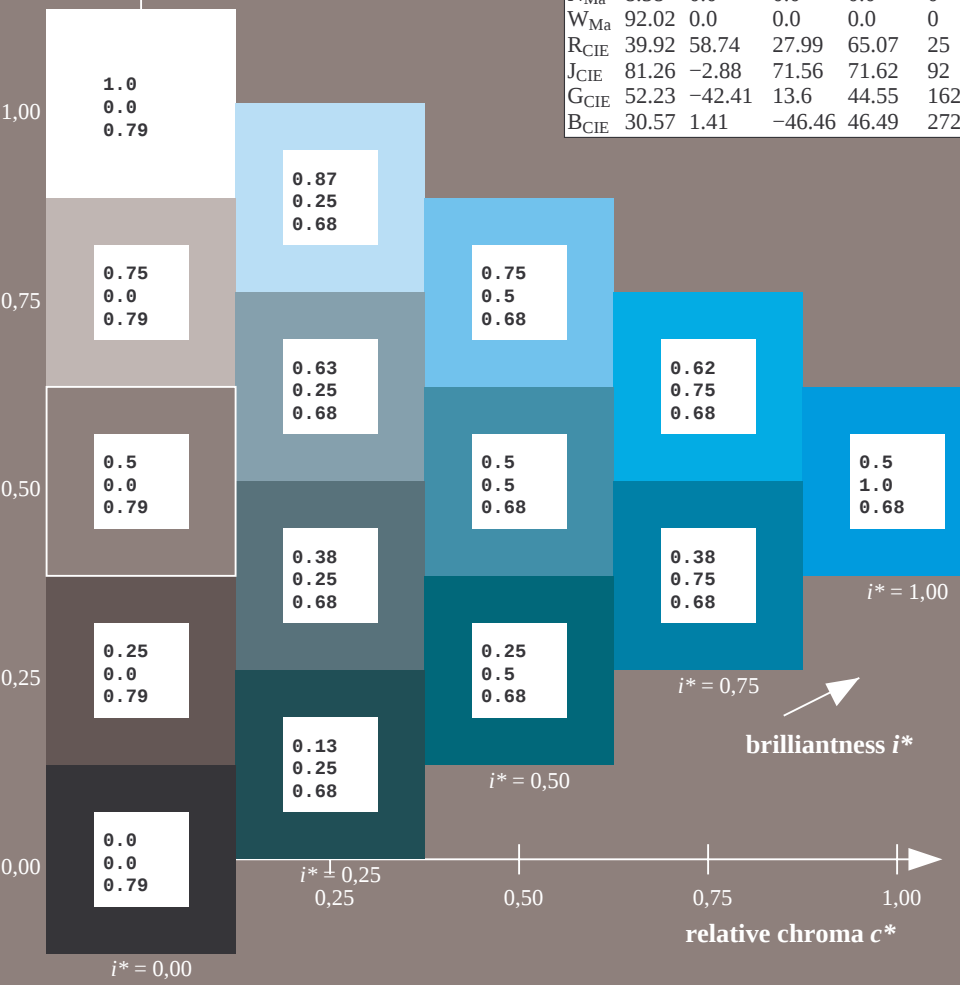
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

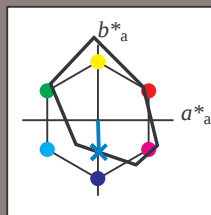
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

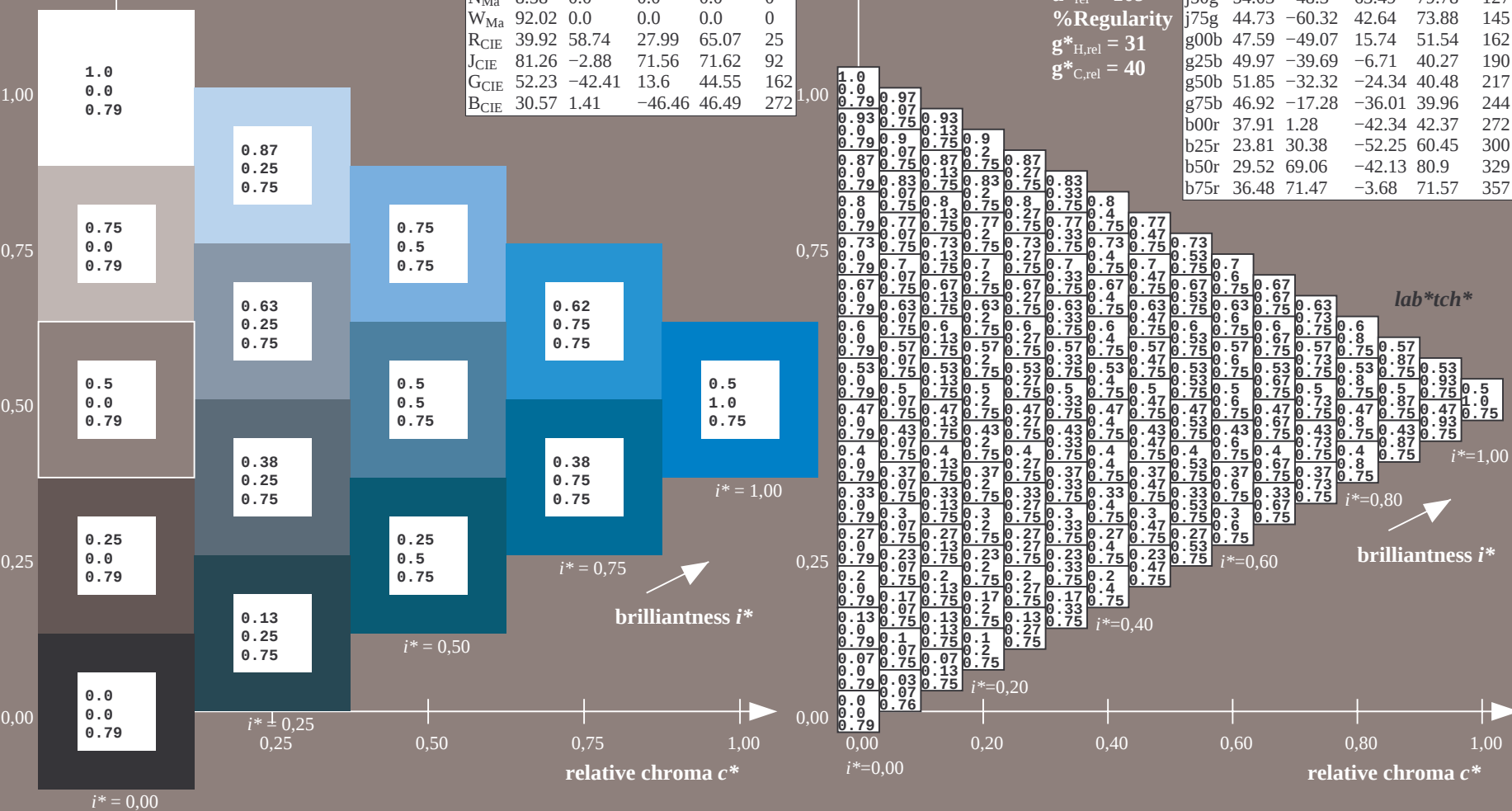
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

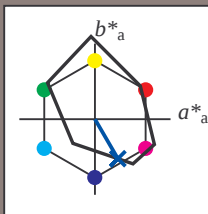
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

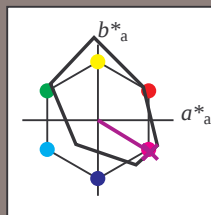
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

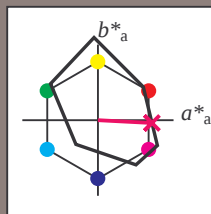
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

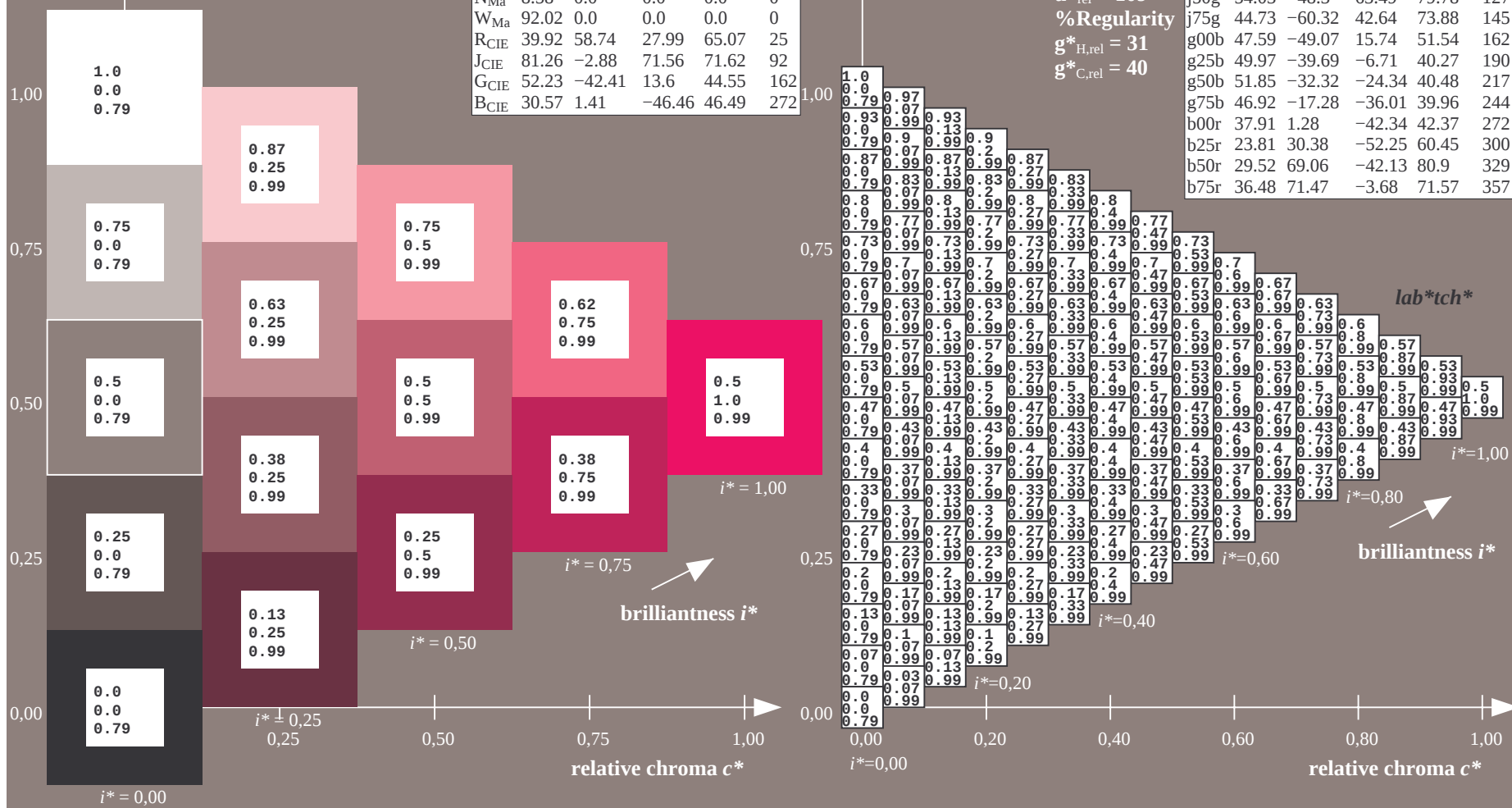
$u^*_{rel} = 109$

%Regularity

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

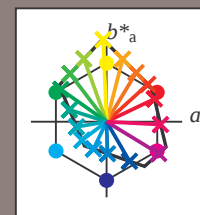
$g^*_{C,rel} = 40$

FRS09_92aM; 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



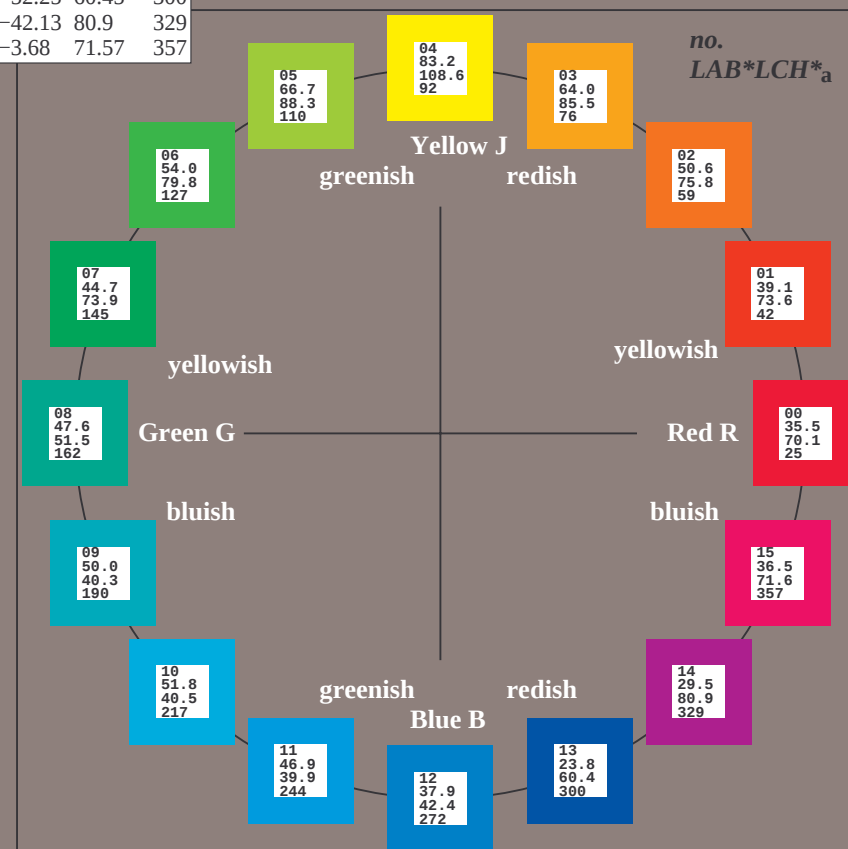
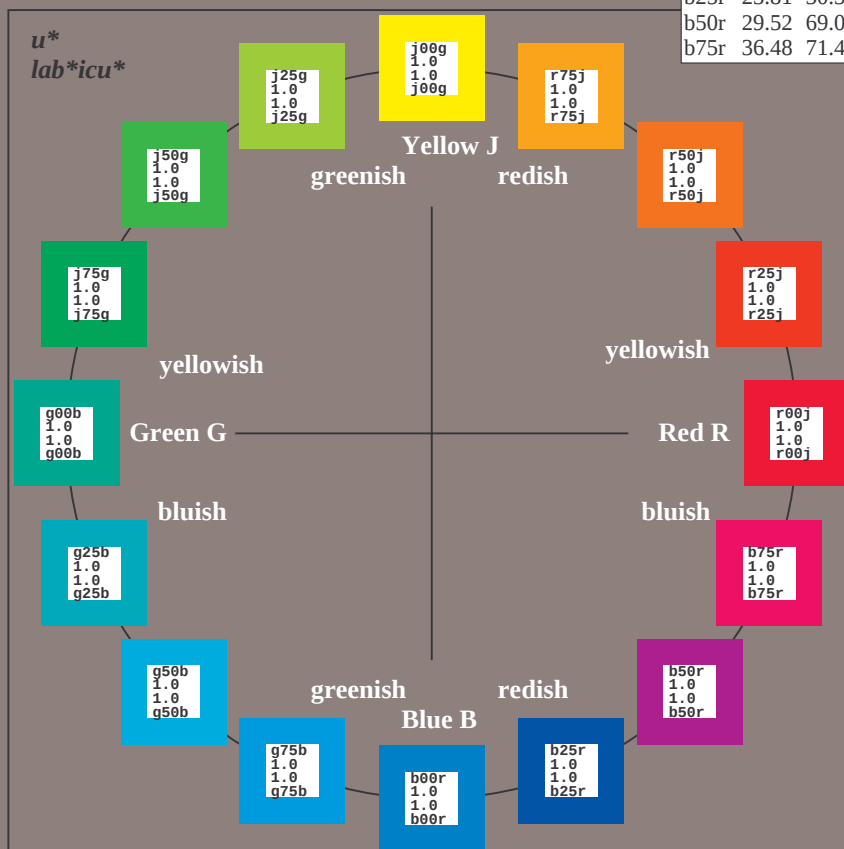
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

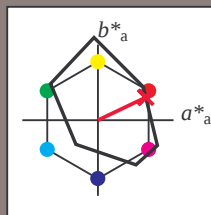
elementary hue text:

$$u^* = r00j$$

contrast reduction factor:

$$c_D = 1.0$$

K
triangle lightness t^*



FRS09_92aM; adapted (a) CIELAB data						
	$L^* = \bar{L}^*_a$	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

LAR*ICH* : 25 70 25

LAB LCH Ma: 55 70 2

*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_92aM; 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	

*lab*icu**

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

BAM-test chart De92; Colorimetric systems, Page 110/180
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

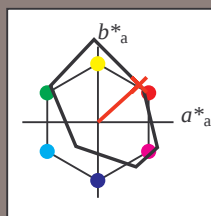
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

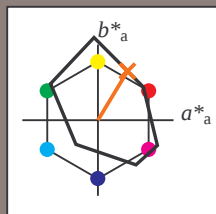
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

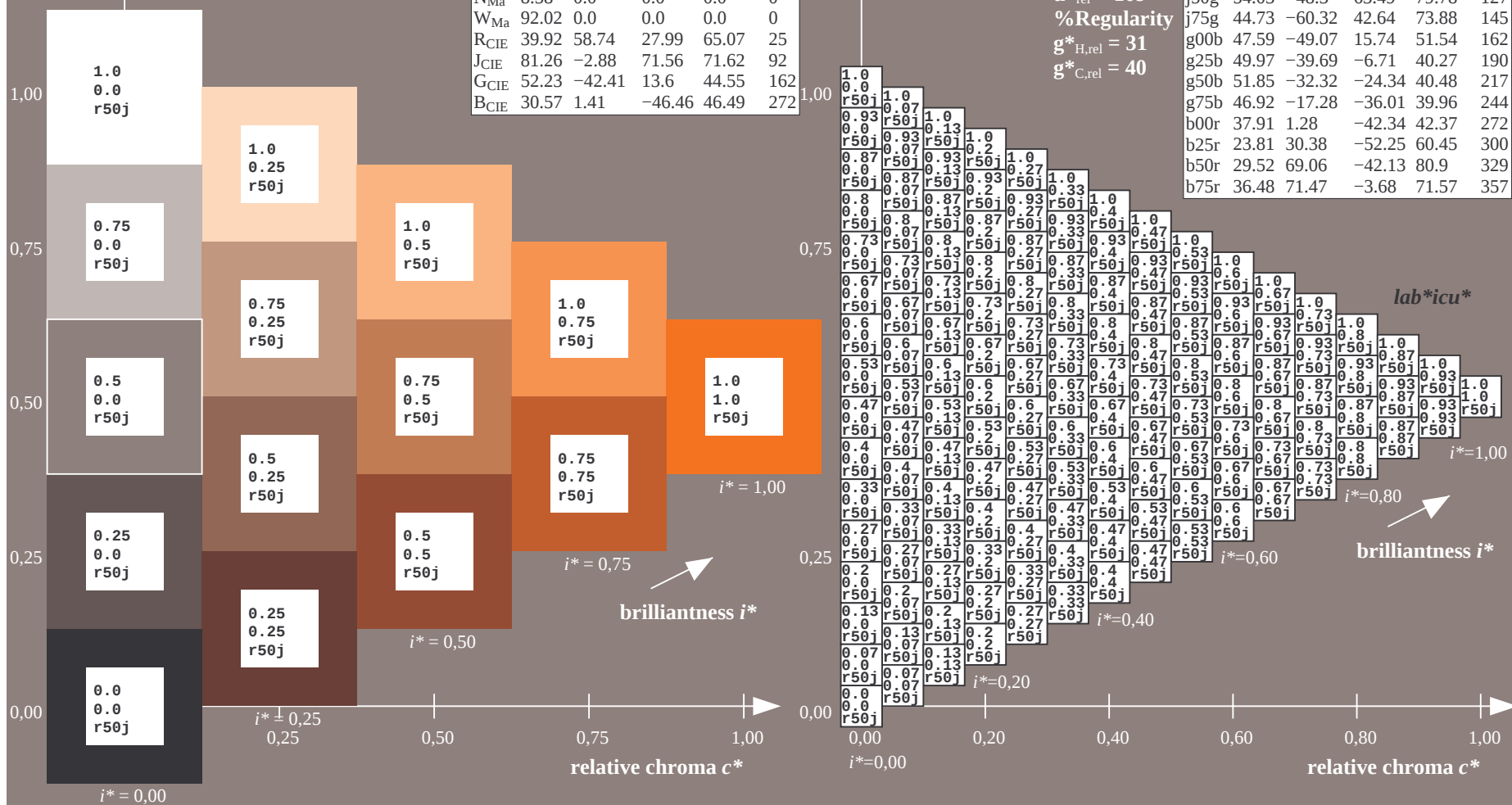
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

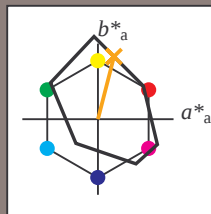
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

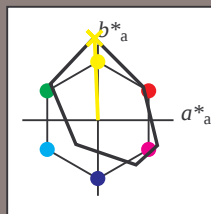
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

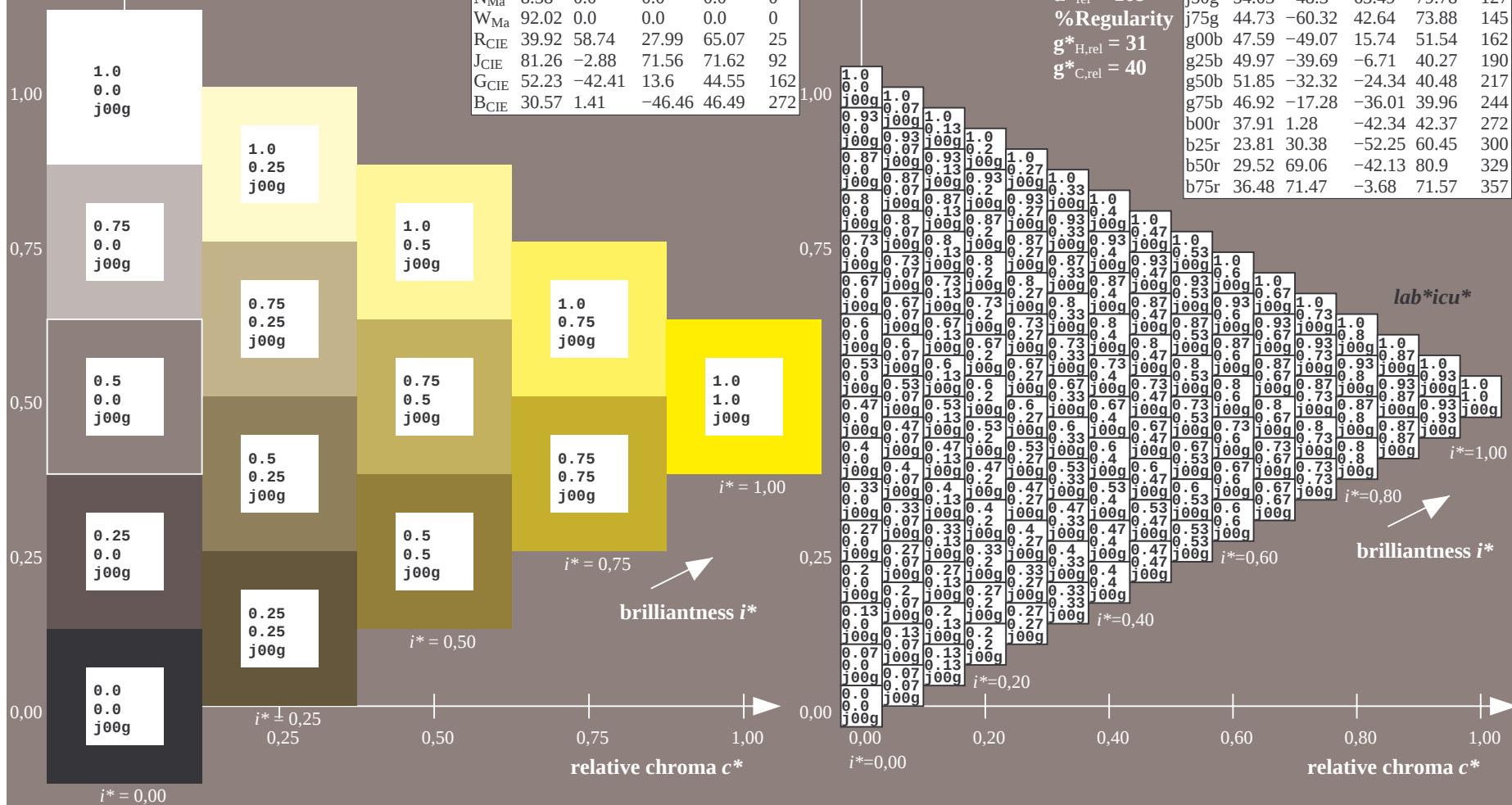
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

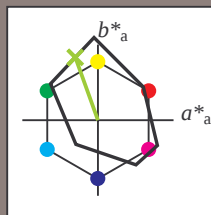
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

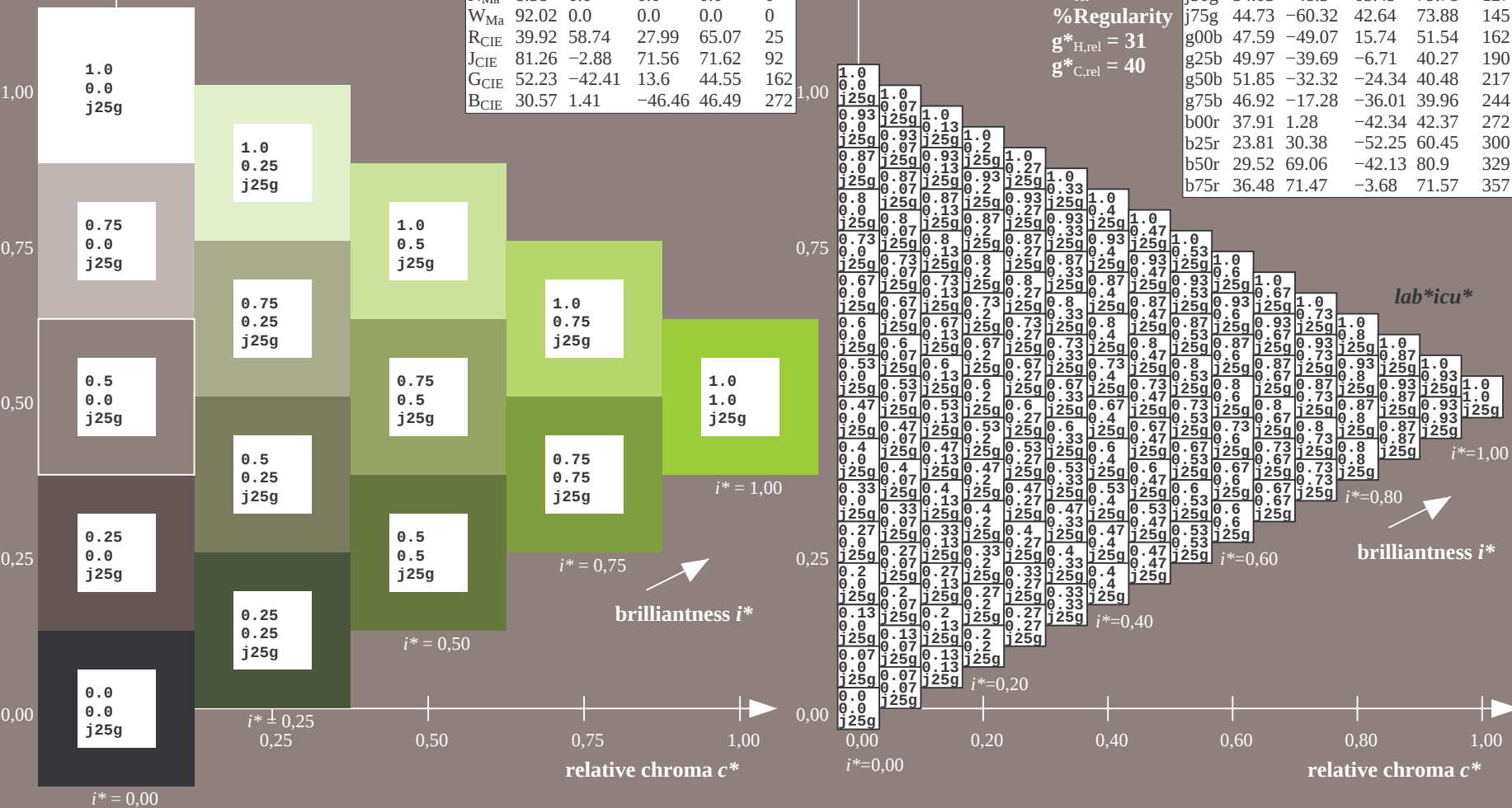
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

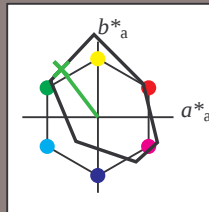
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

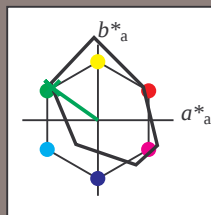
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

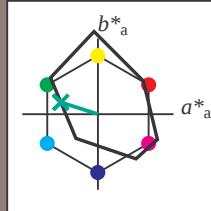
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

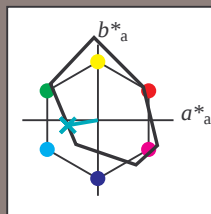
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

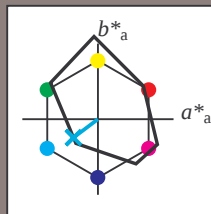
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

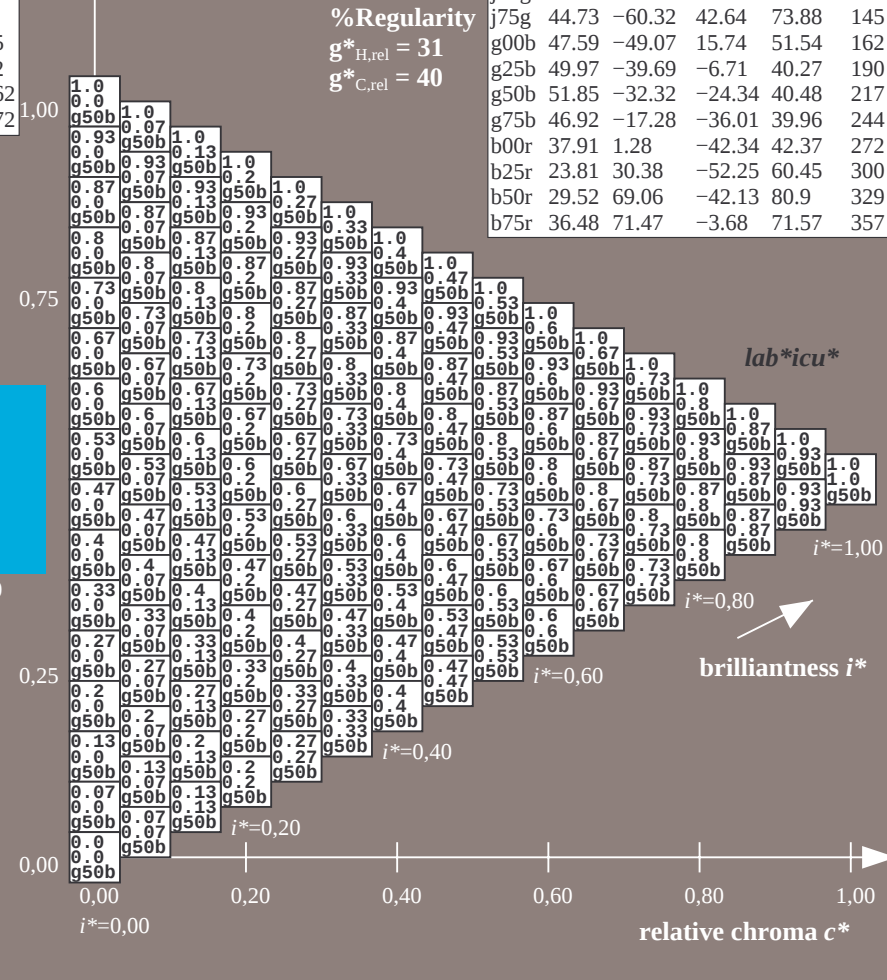
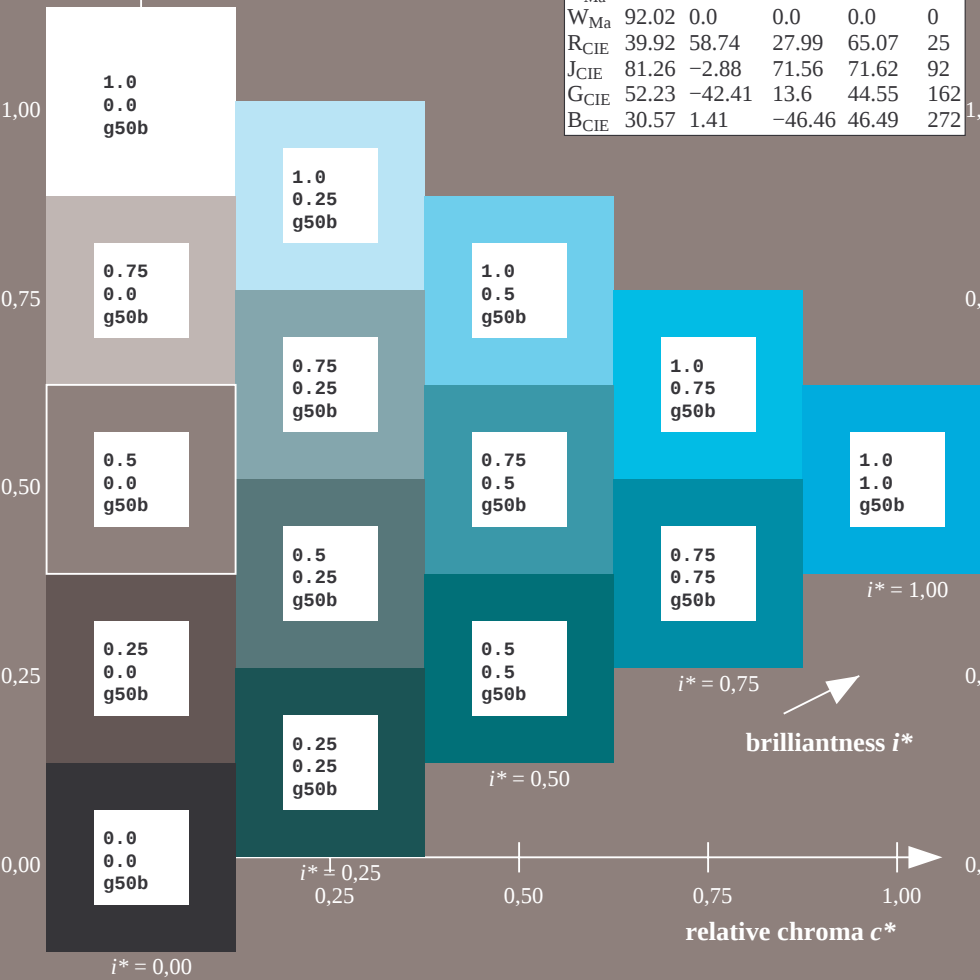
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

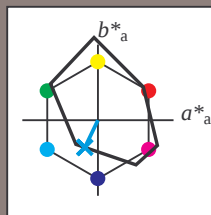
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

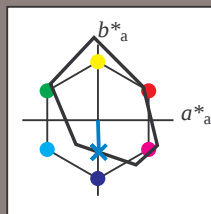
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

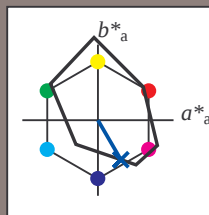
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

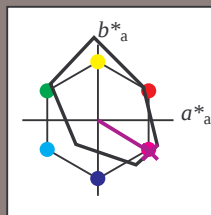
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

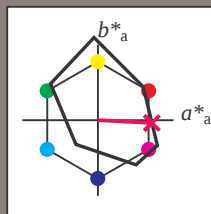
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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^*

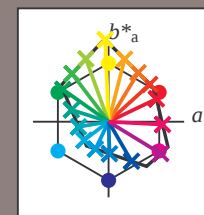
See for similar files: <http://www.ps.bam.de/De92/>; www.ps.bam.de/De92/De92.L92E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpx=0

BAM registration: 20080701-De92/10L/L92E00NA.PS/.TXT BAM material: code=rh4ta
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*icu*											
01	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	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	1.0	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	1.0	1.0	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							
b10r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r	170r							
02	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0							
b33r	q59b	q66b	192g	185g	181g	179g	178g	177g	b56r	b10r	170r	170r	170r	170g	170g	170g	170g	170g	b80r	r15j	100g	129g	142g	149g	153g	156g	158g	156g	158g	q59b	b10r	r15j	r15j	r15j	r15j	r15j	r15j	r15j	r15j	r15j	r15j	r15j							
03	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0							
b33r	b09r	q59b	q22b	q66b	198g	192g	187g	185g	b45r	b33r	q59b	q66b	192g	185g	181g	179g	178g	b56r	b56r	b56r	b56r	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g						
04	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0						
b33r	b20r	q94b	q59b	q32b	q15b	q66b	q61b	195g	b41r	b33r	b09r	q59b	q22b	q66b	198g	192g	188g	b49r	b45r	b33r	q59b	q66b	192g	185g	181g	179g	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b					
05	0.5	0.5	0.5	0.5	0.5	0.62	0.75	0.87	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.87	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.87	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					
b33r	b24r	b09r	q85b	q59b	q37b	q22b	q13b	q66b	b39r	b33r	b20r	q94b	q59b	q32b	q15b	q66b	q01b	b45r	b41r	b33r	b09r	q59b	q22b	q66b	198g	192g	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b					
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	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					
b33r	b26r	b16r	b01r	q79b	q59b	q41b	q27b	q18b	b38r	b33r	b24r	b09r	q85b	q59b	q37b	q22b	q13b	b43r	b39r	b33r	b20r	q94b	q59b	q32b	q15b	q66b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b					
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	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					
b33r	b28r	b20r	b09r	q94b	q76b	q59b	q44b	q32b	b37r	b33r	b26r	b16r	b01r	q79b	q59b	q41b	q27b	b41r	b38r	b33r	b24r	b09r	q85b	q59b	q37b	q22b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b				
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	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				
b33r	b29r	b23r	b14r	b04r	q89b	q73b	q57b	q46b	b37r	b33r	b28r	b20r	b09r	q49b	q76b	q59b	q44b	b40r	b47r	b37r	b33r	b26r	b16r	b01r	q79b	q59b	q41b	q27b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b			
09	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	1.0	1.0	1.0			
b33r	b29r	b24r	b18r	b09r	q98b	q85b	q71b	q59b	b36r	b33r	b29r	b23r	b14r	b04r	q89b	q73b	q59b	b39r	b37r	b33r	b28r	b20r	b09r	q94b	q76b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b	q59b		
10	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	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		
r15j	r50j	r73r	100g	133g	122g	129g	135g	139g	r15j	r42j	r66j	r85j	100g	100g	118g	124g	129g	r15j	r37j	r57j	r74j	r88j	100g	100g	115g	121g	121g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	
11	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	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			
b90r	r15j	r66j	100g	118g	129g	137g	142g	146g	b94r	r15j	r50j	r79j	100g	113g	122g	129g	135g	b97r	r15j	r42j	r66j	r85j	100g	110g	118g	124g	124g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g	
12	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	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		
b71r	b80r	r15j	100g	129g	142g	149g	153g	156g	b80r	b90r	r15j	r66j	100g	118g	129g	137g	142g	b86r	b94r	r15j	r50j	r79j	100g	113g	122g	129g	135g	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r		
13	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	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
b56r	b56r	b56r	b10r	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	170g	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r		
14	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	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
b51r	b49r	b45r	b33r	q59b	q66b	192g	185g	181g	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b56r	b																		

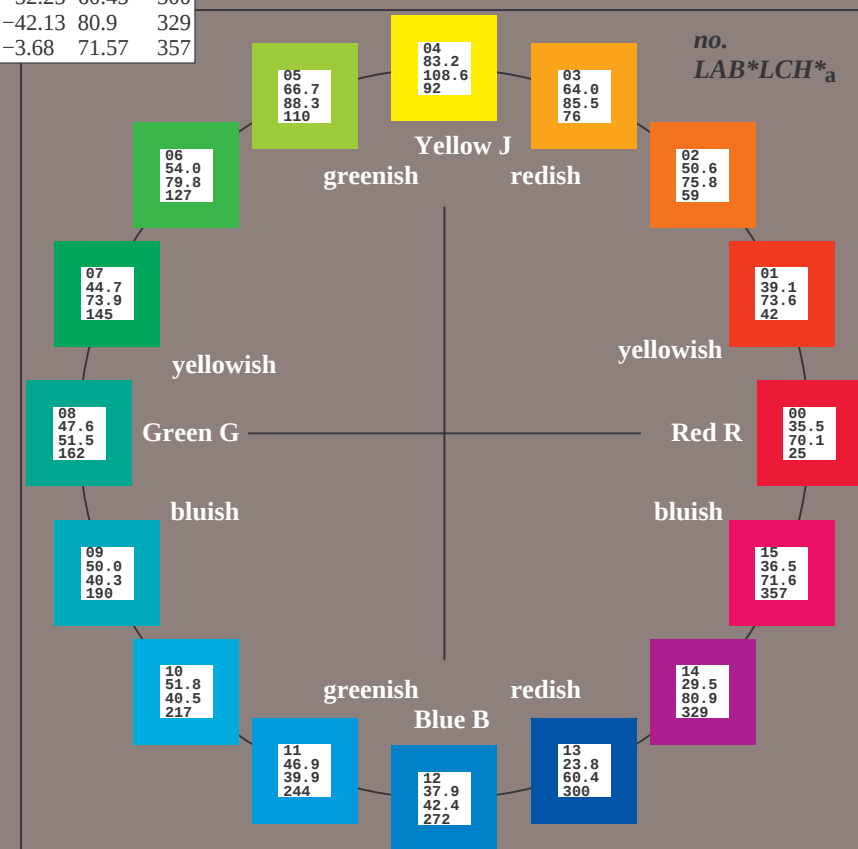
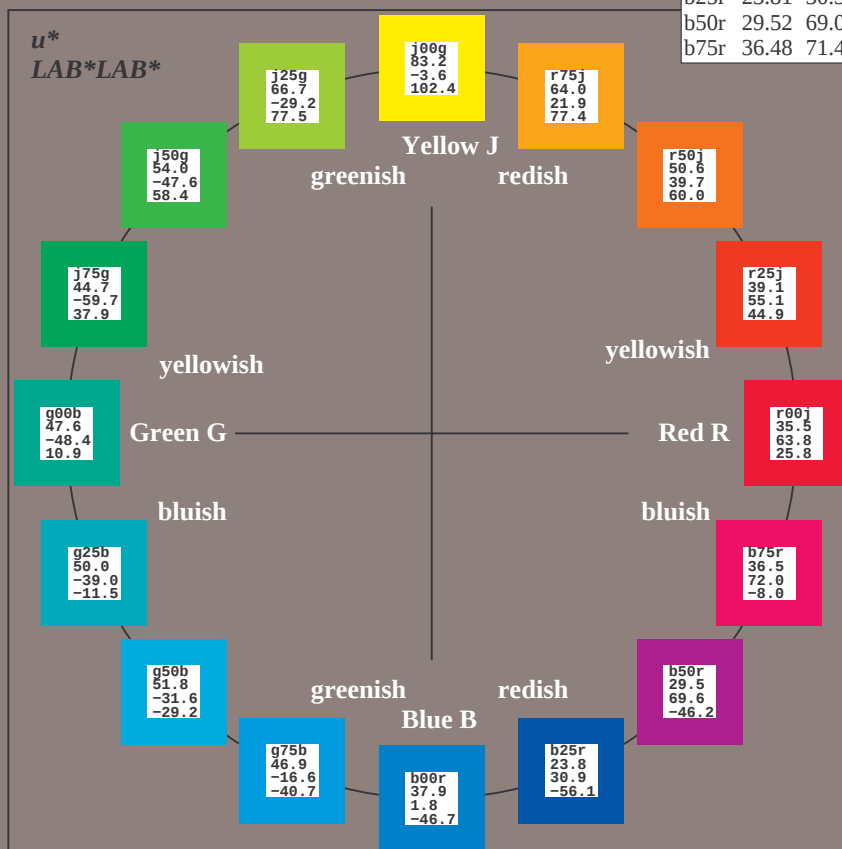
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
*lab**rch** and lab**icu***
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92M; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

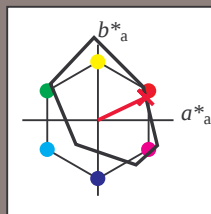
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

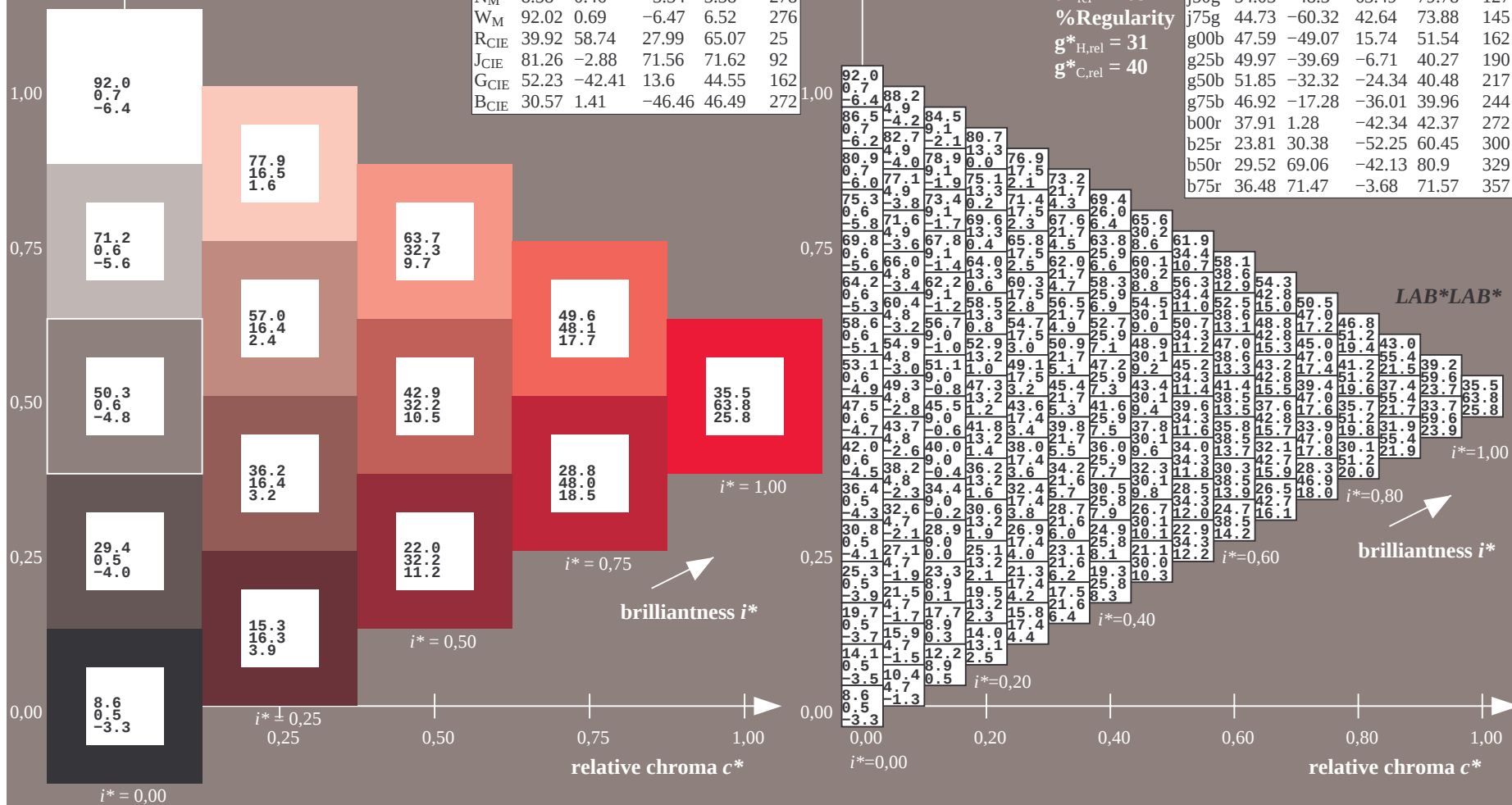
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

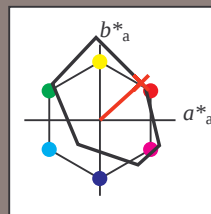
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

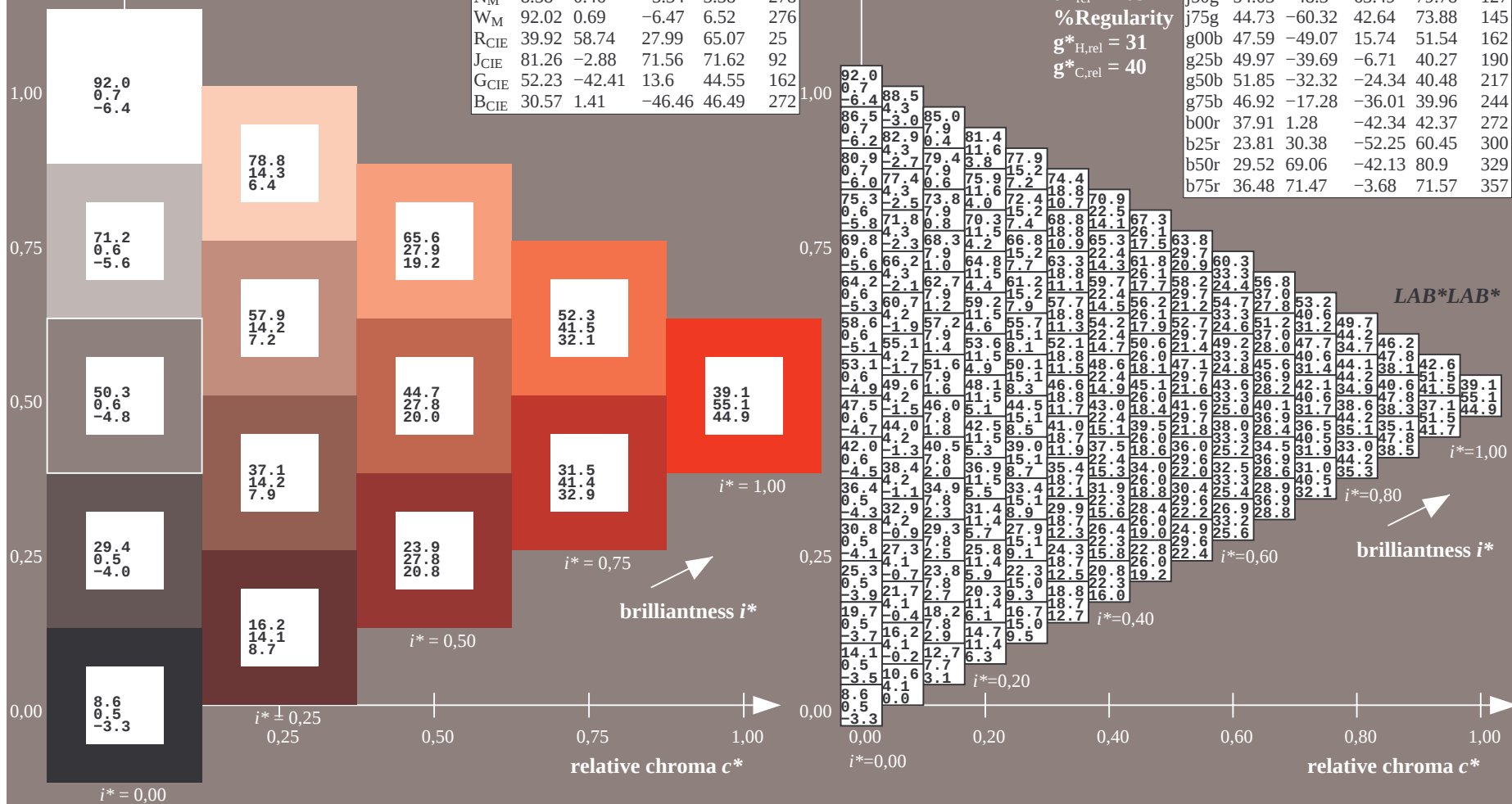
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

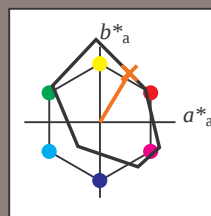
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

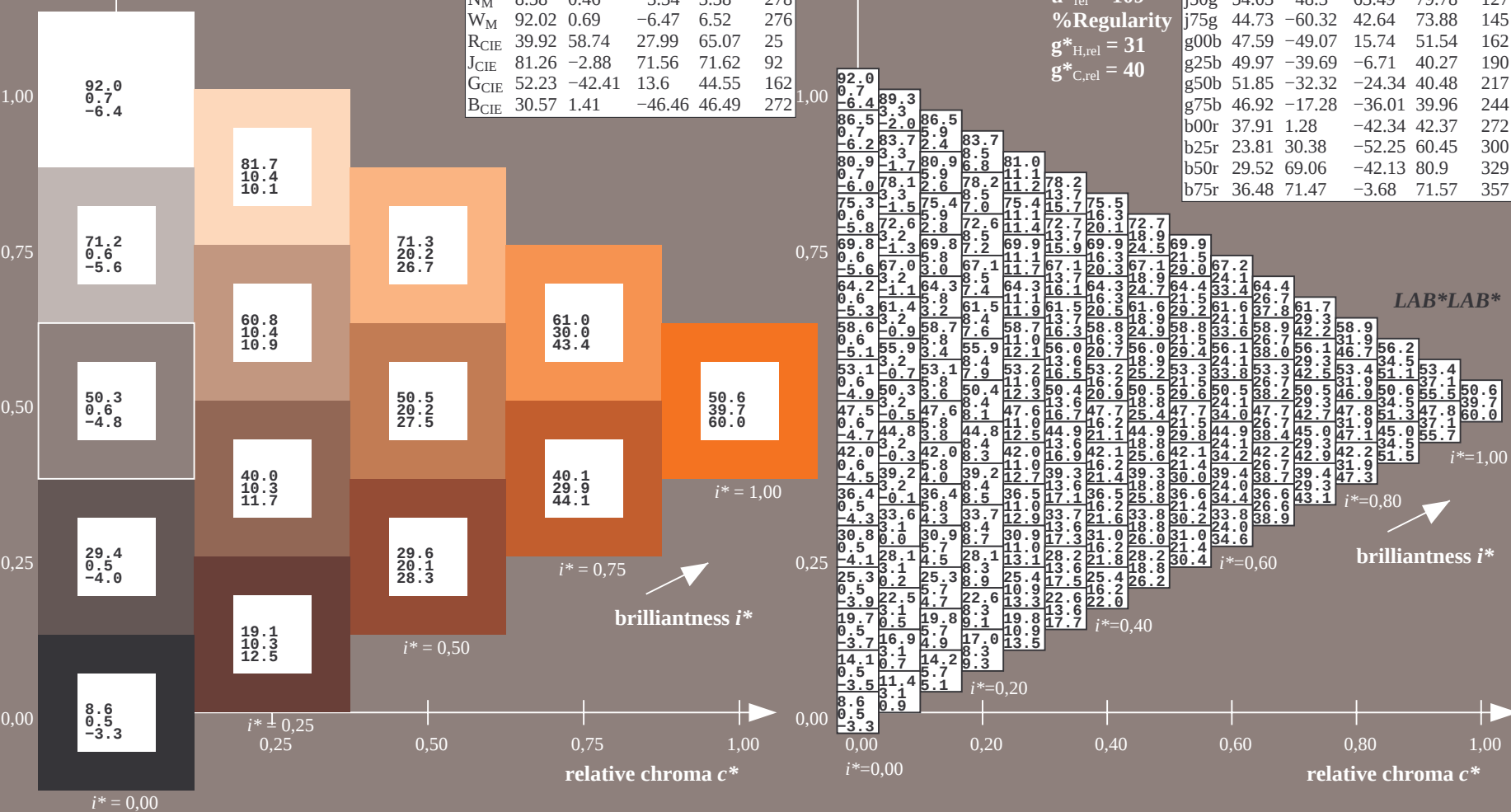
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

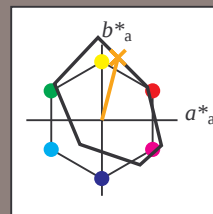
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

$u^*_{rel} = 109$

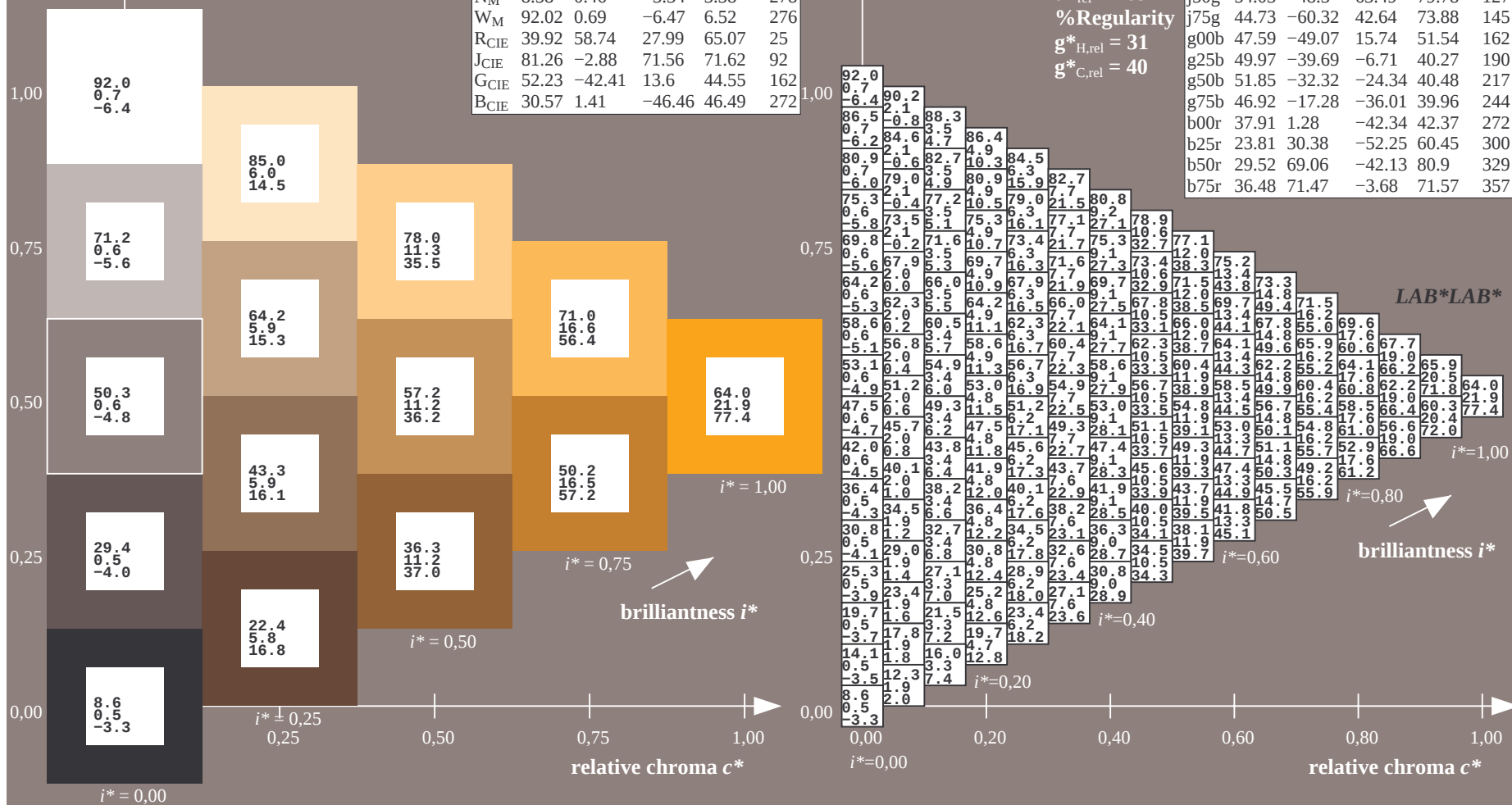
%Regularity

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

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

$u^* = r75j$
 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

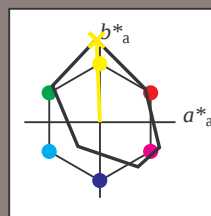
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

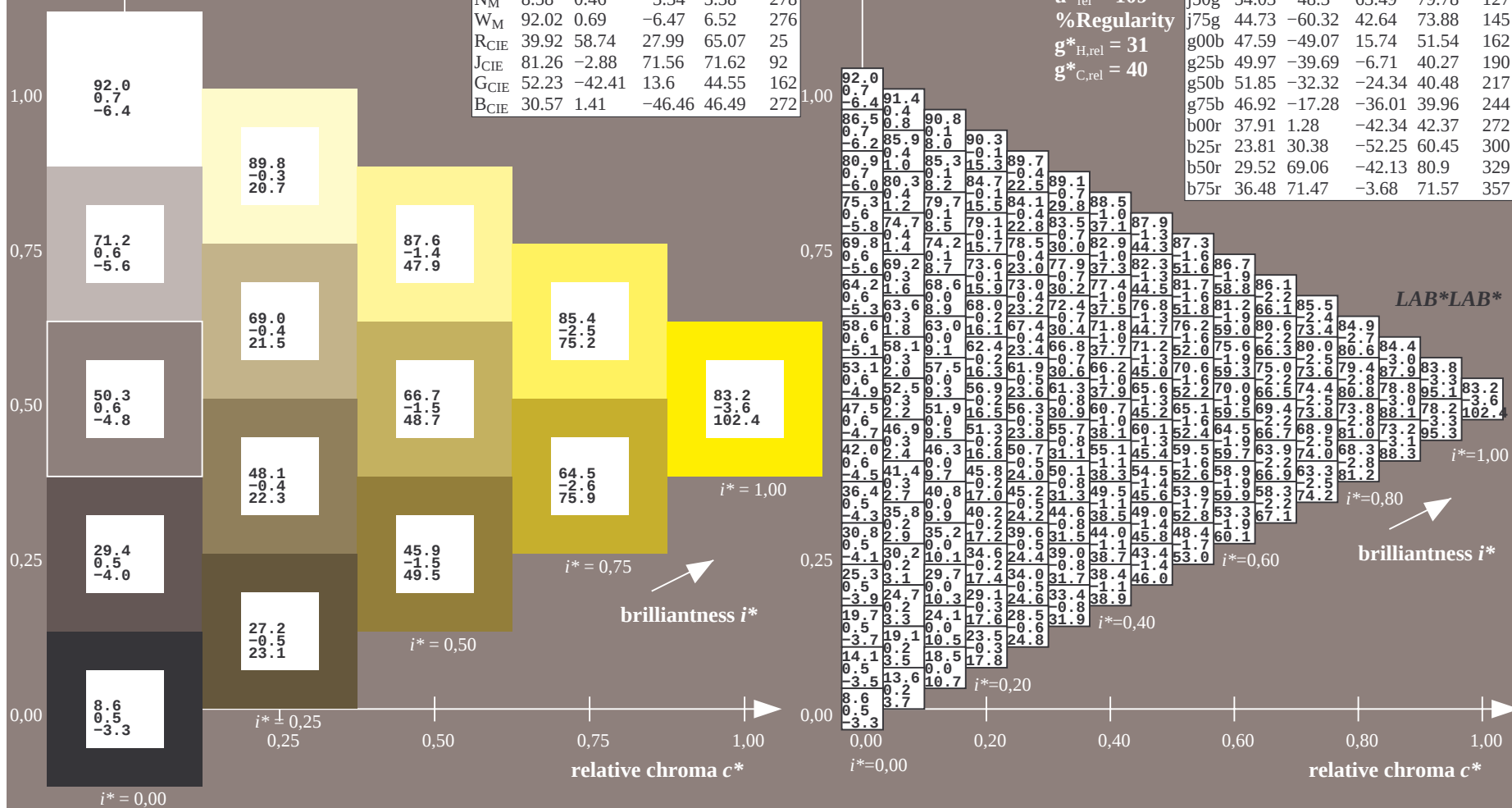
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

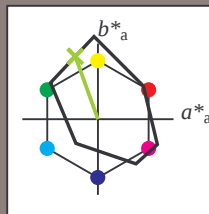
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

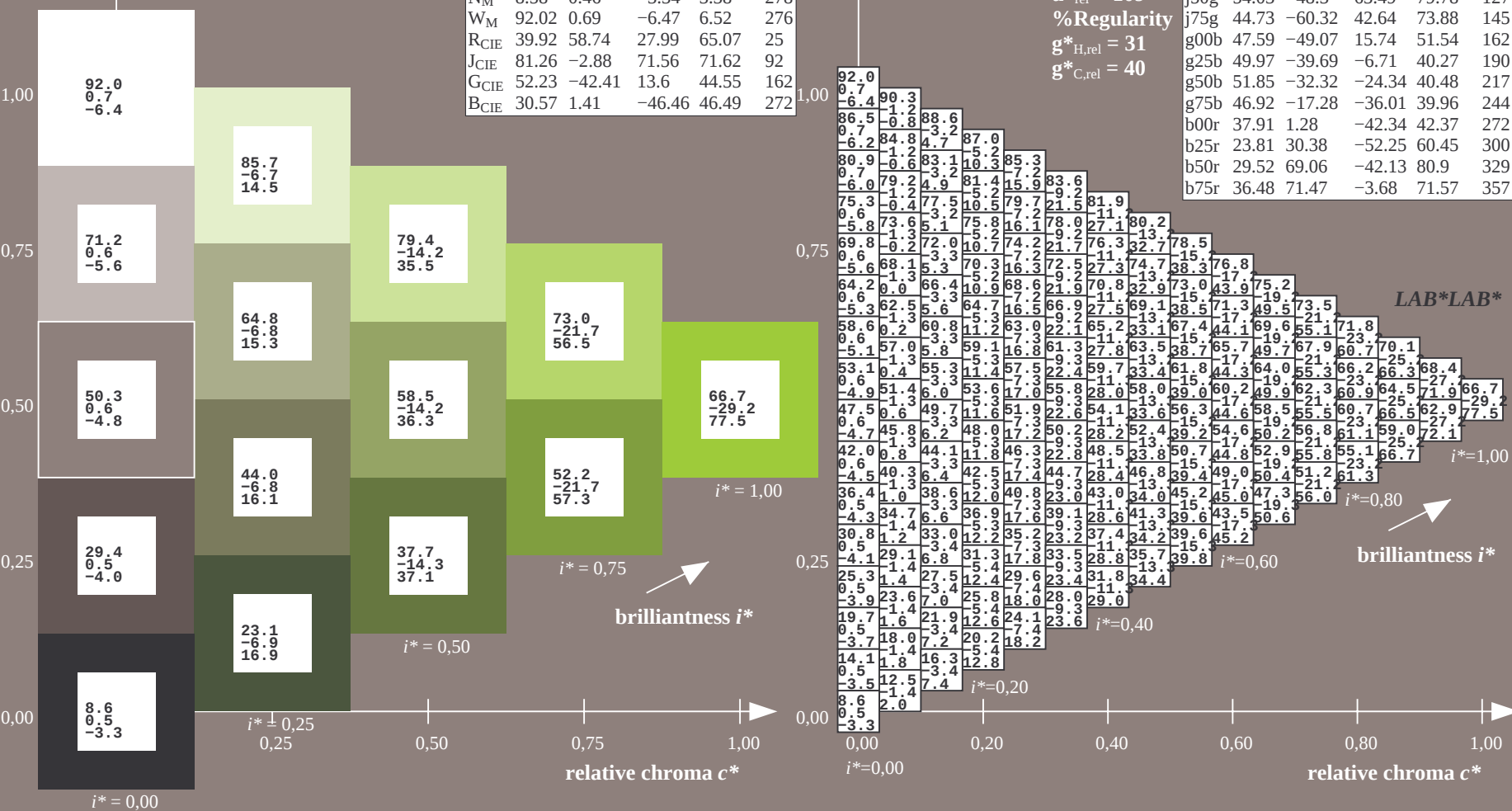
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

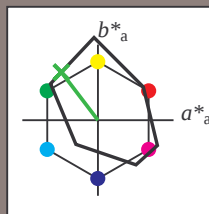
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

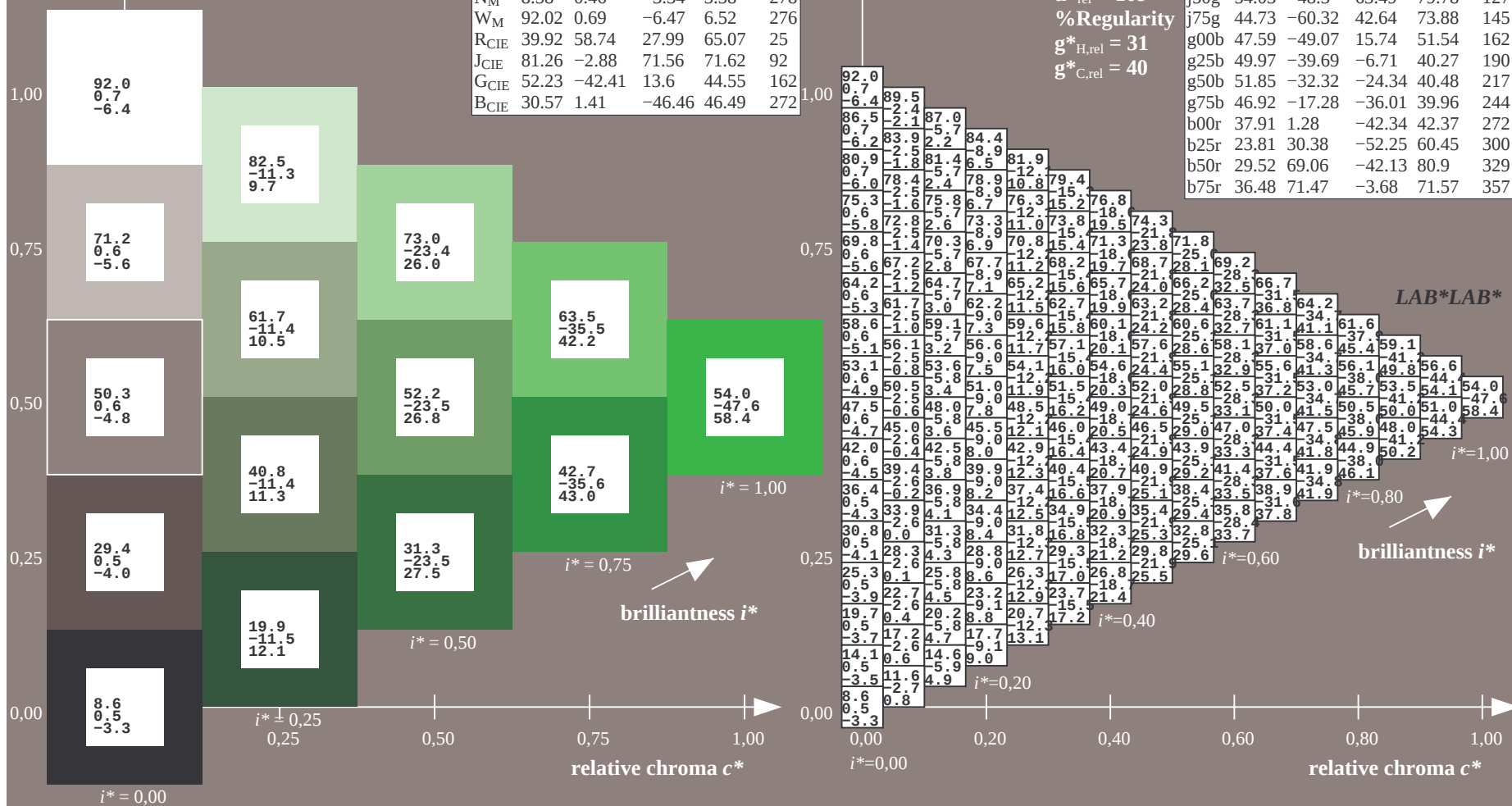
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

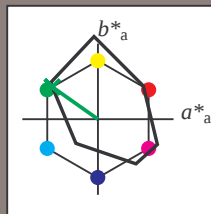
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

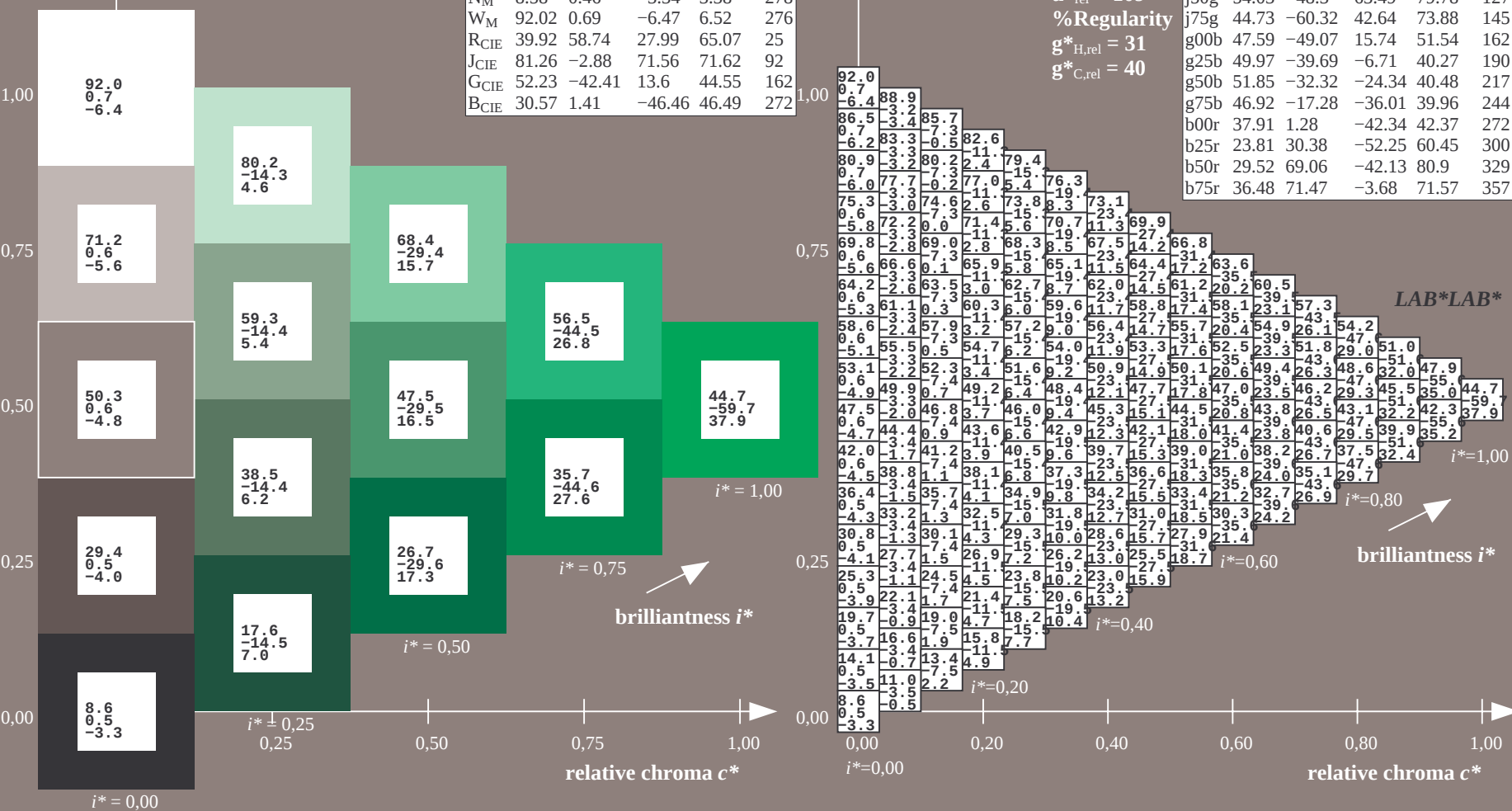
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

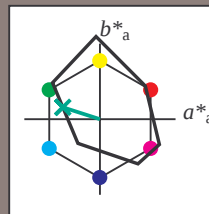
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

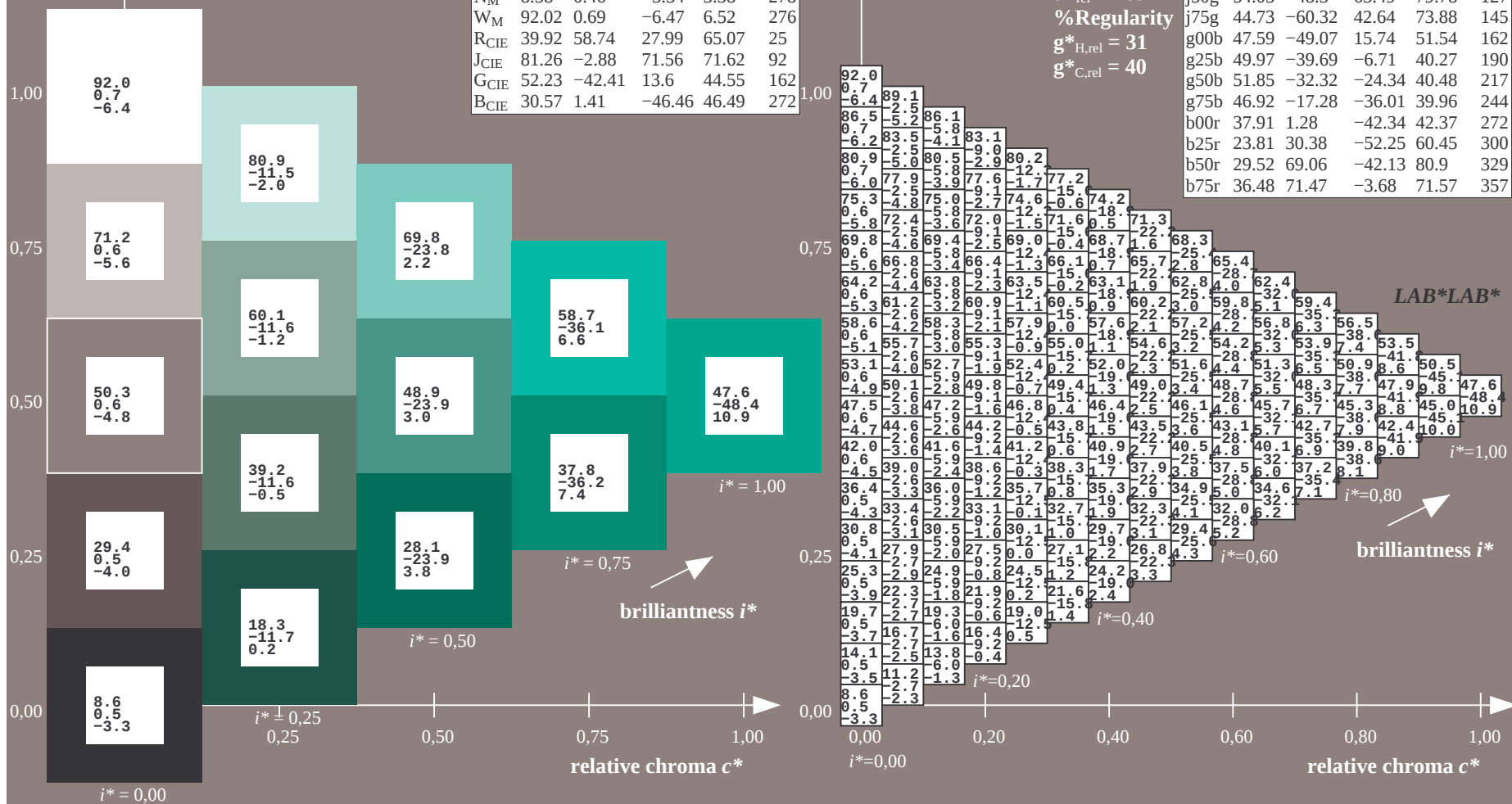
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

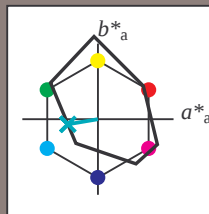
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

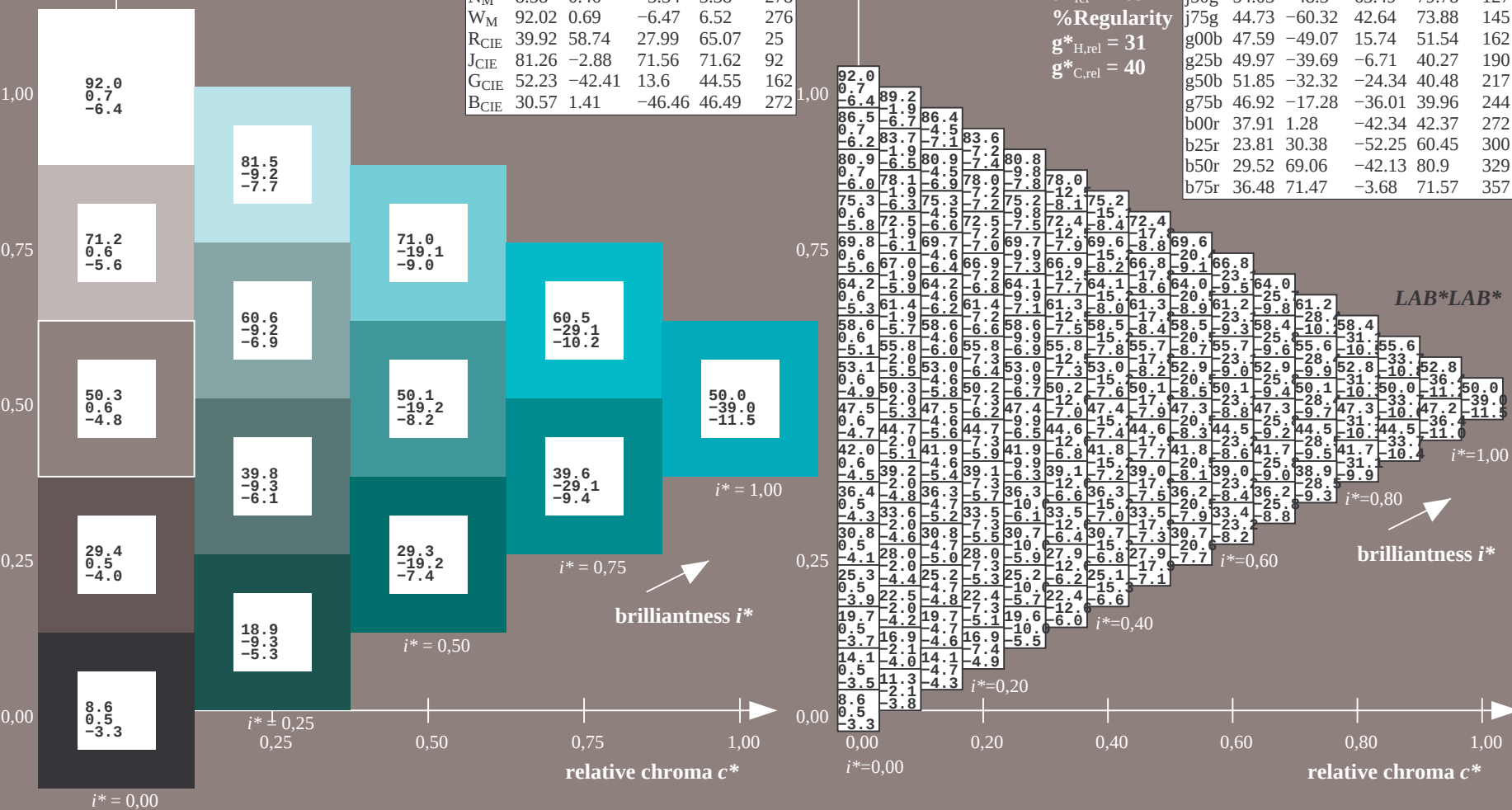
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

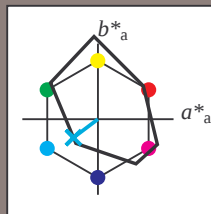
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

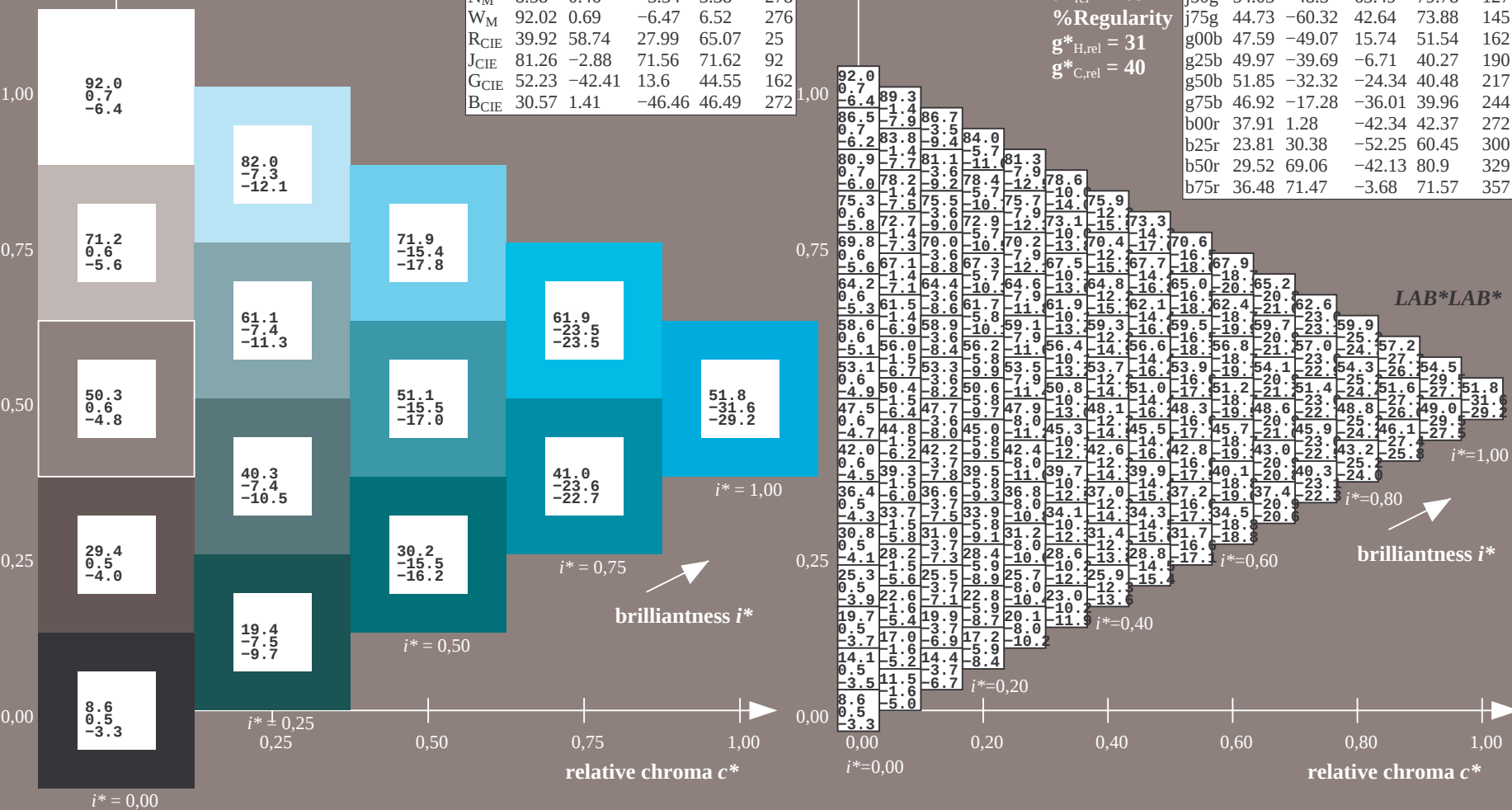
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

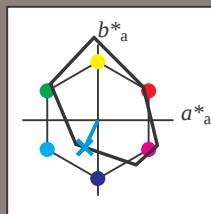
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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_92aM; 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^*

$i^* = 1.00$

$i^* = 0.80$

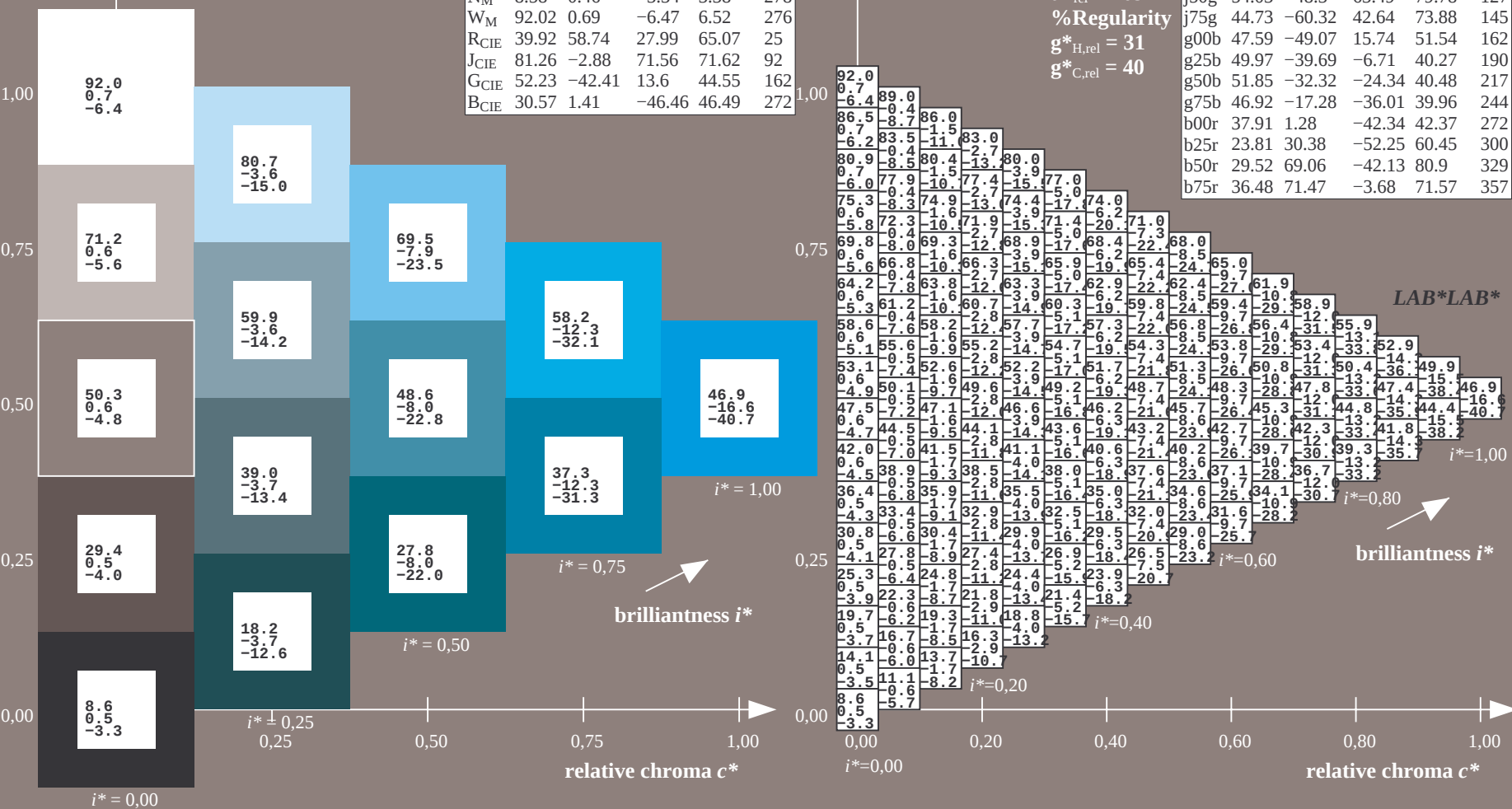
$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

brilliantness i^*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

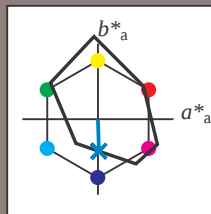
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

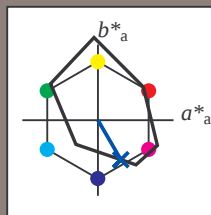
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

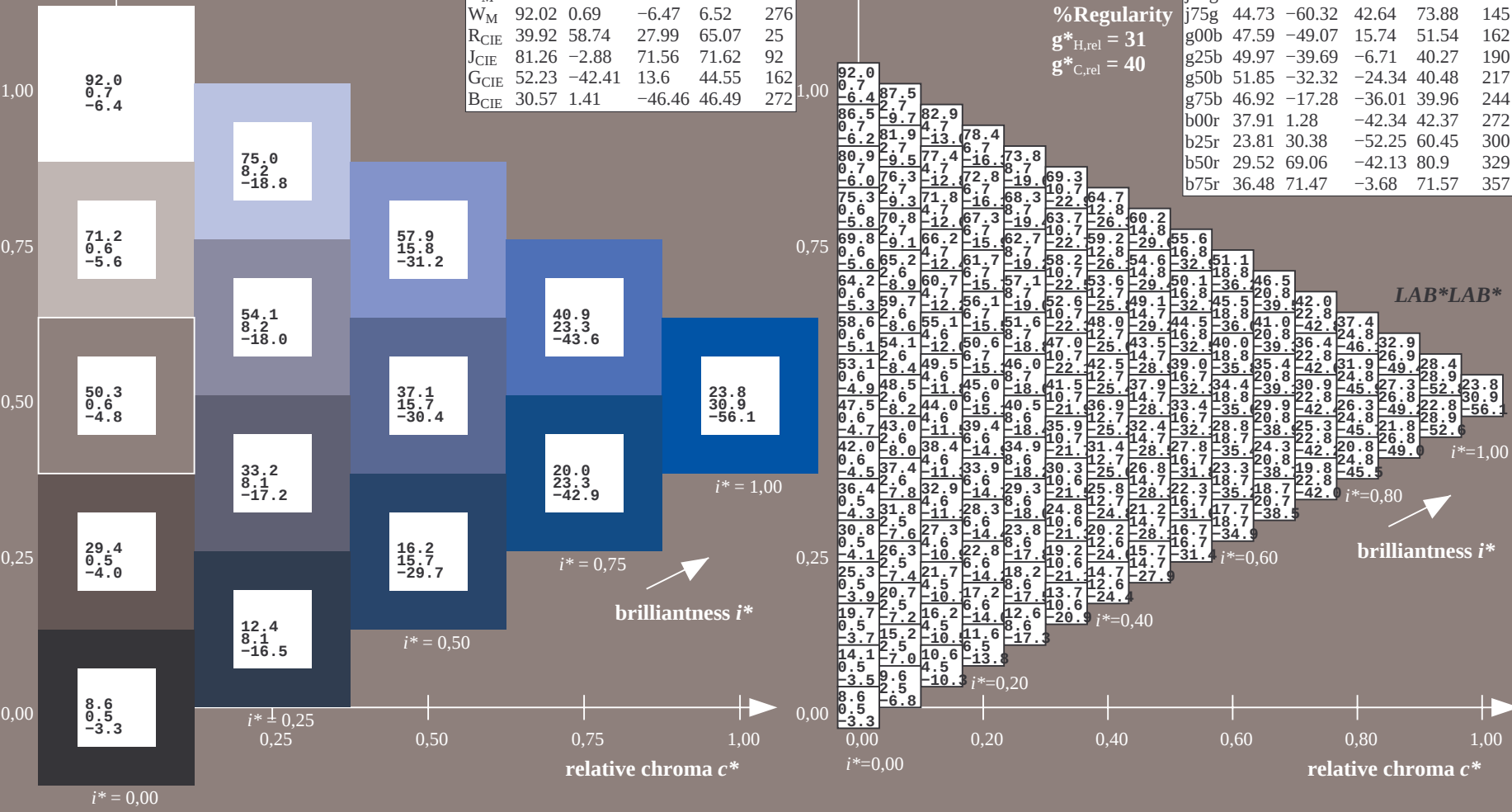
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

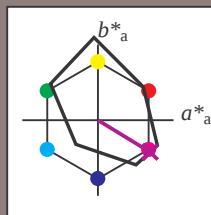
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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_92aM; 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^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

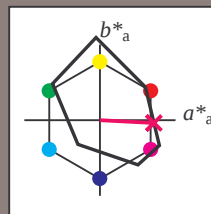
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92M; 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

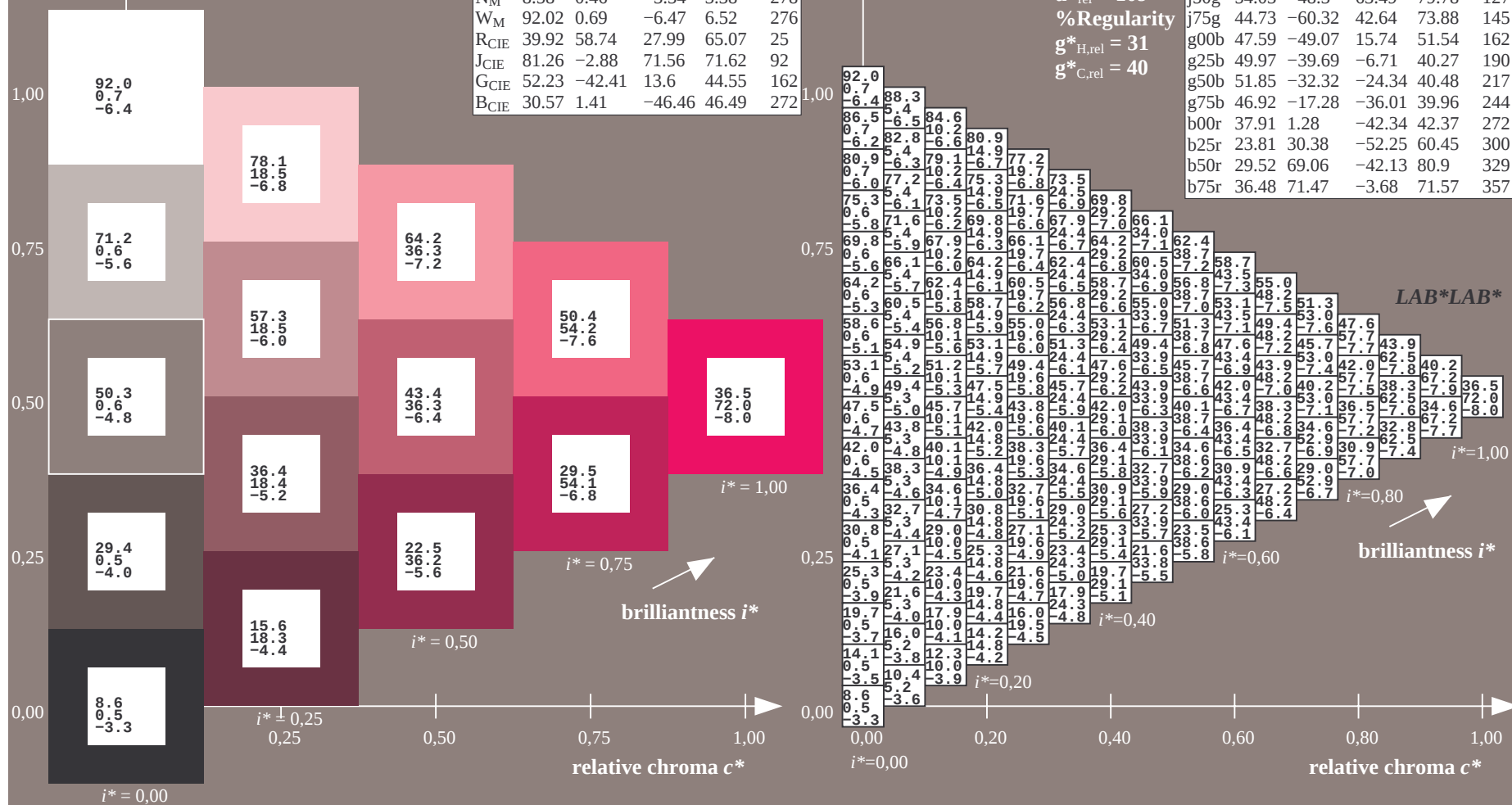
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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/De92/>; www.ps.bam.de/De92/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

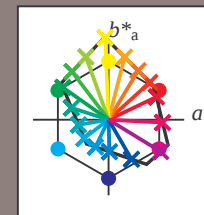
BAM registration: 20080701-De92/10L/L92E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	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_92aM
data for any colour:

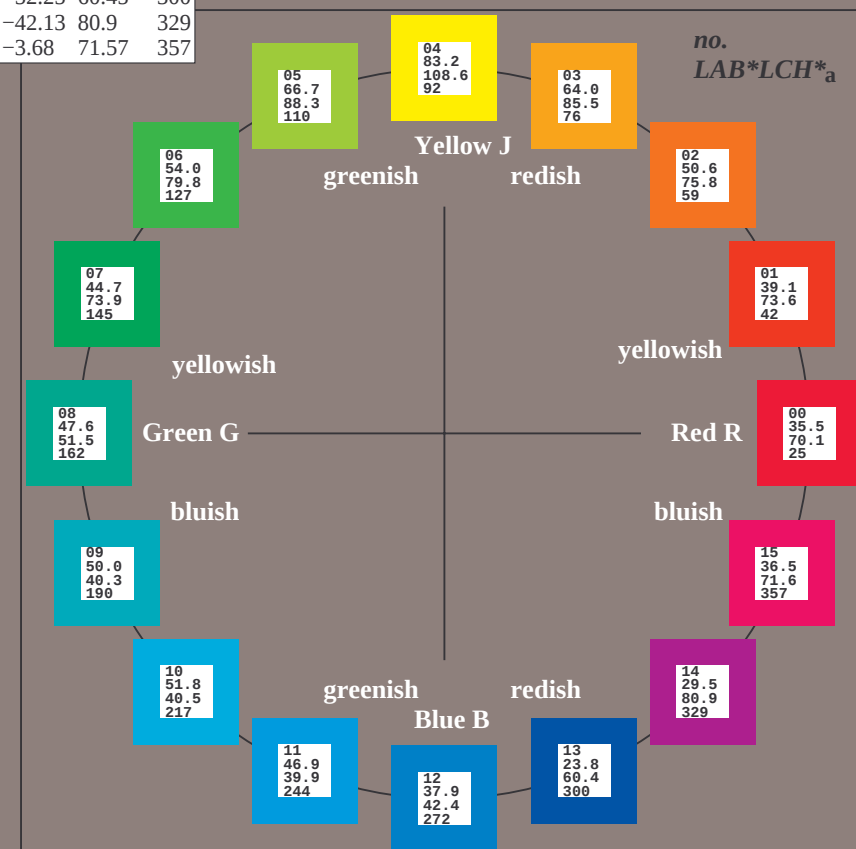
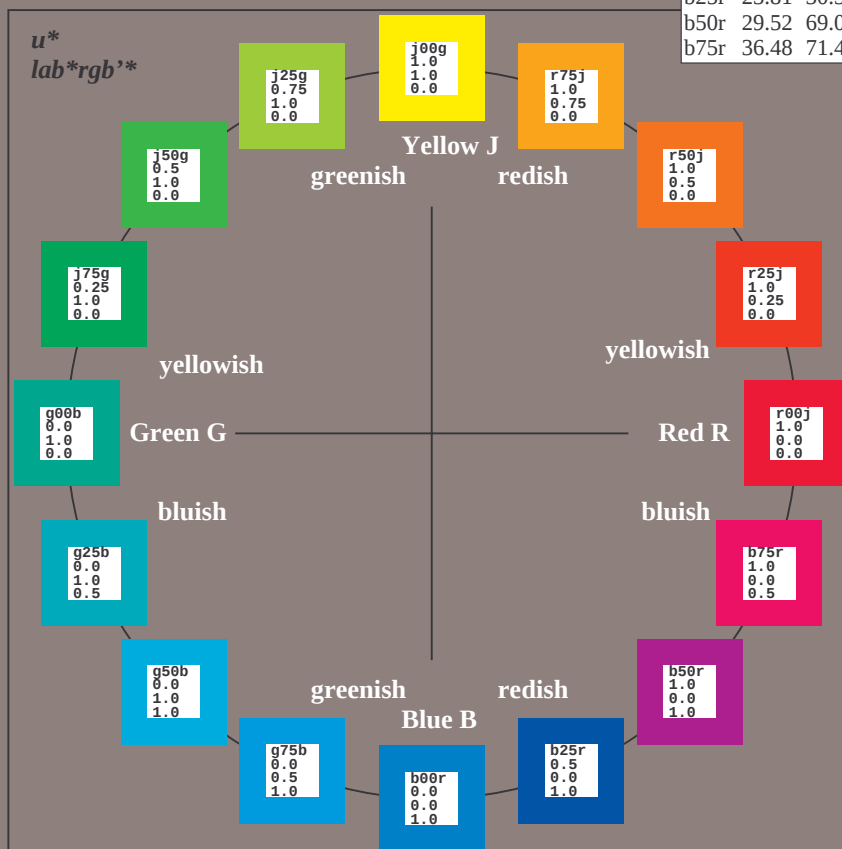
$lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

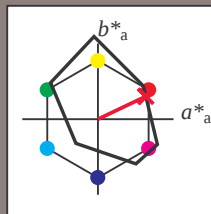
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

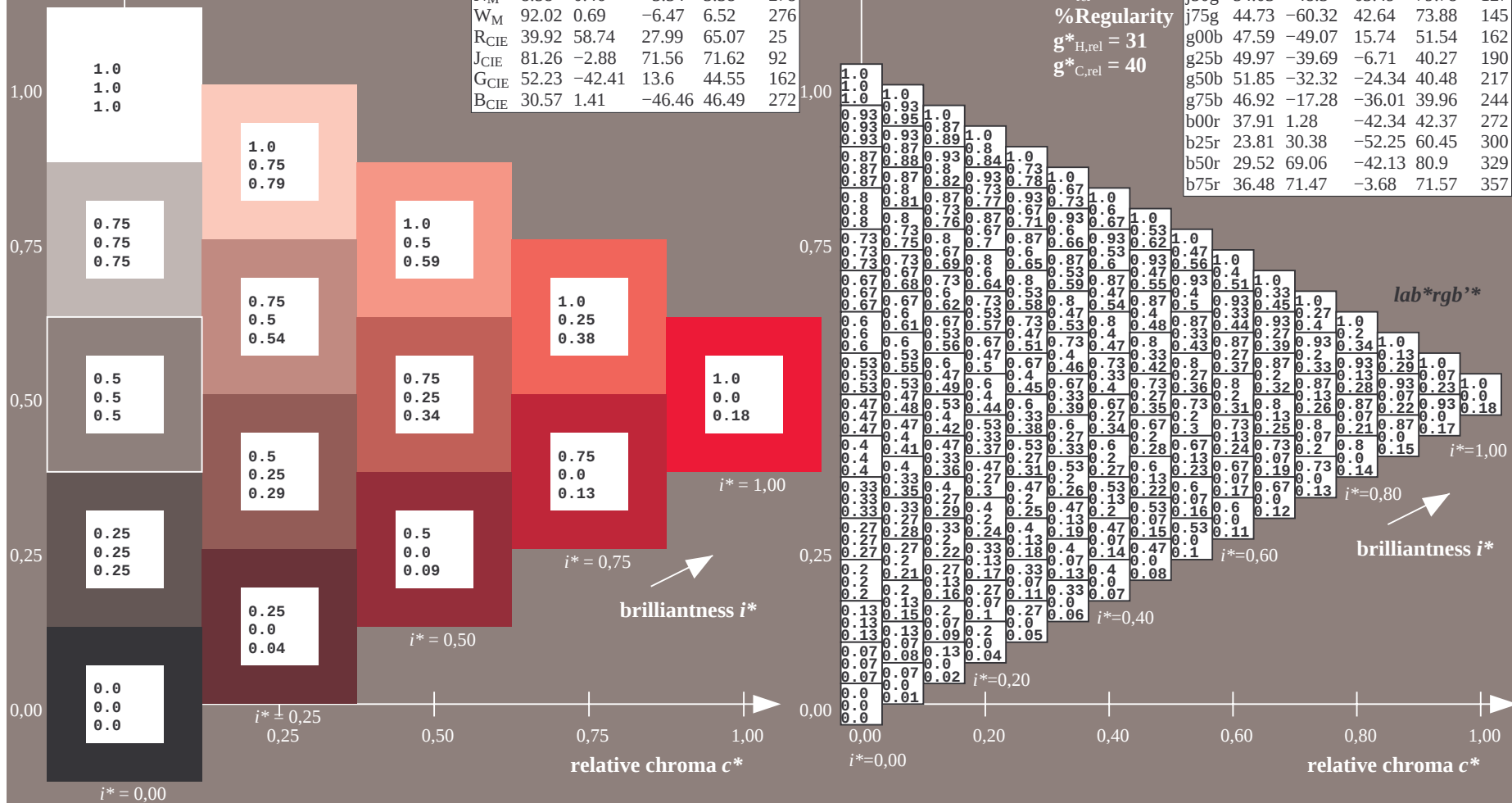
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

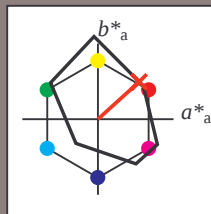
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

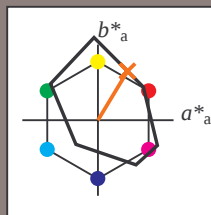
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

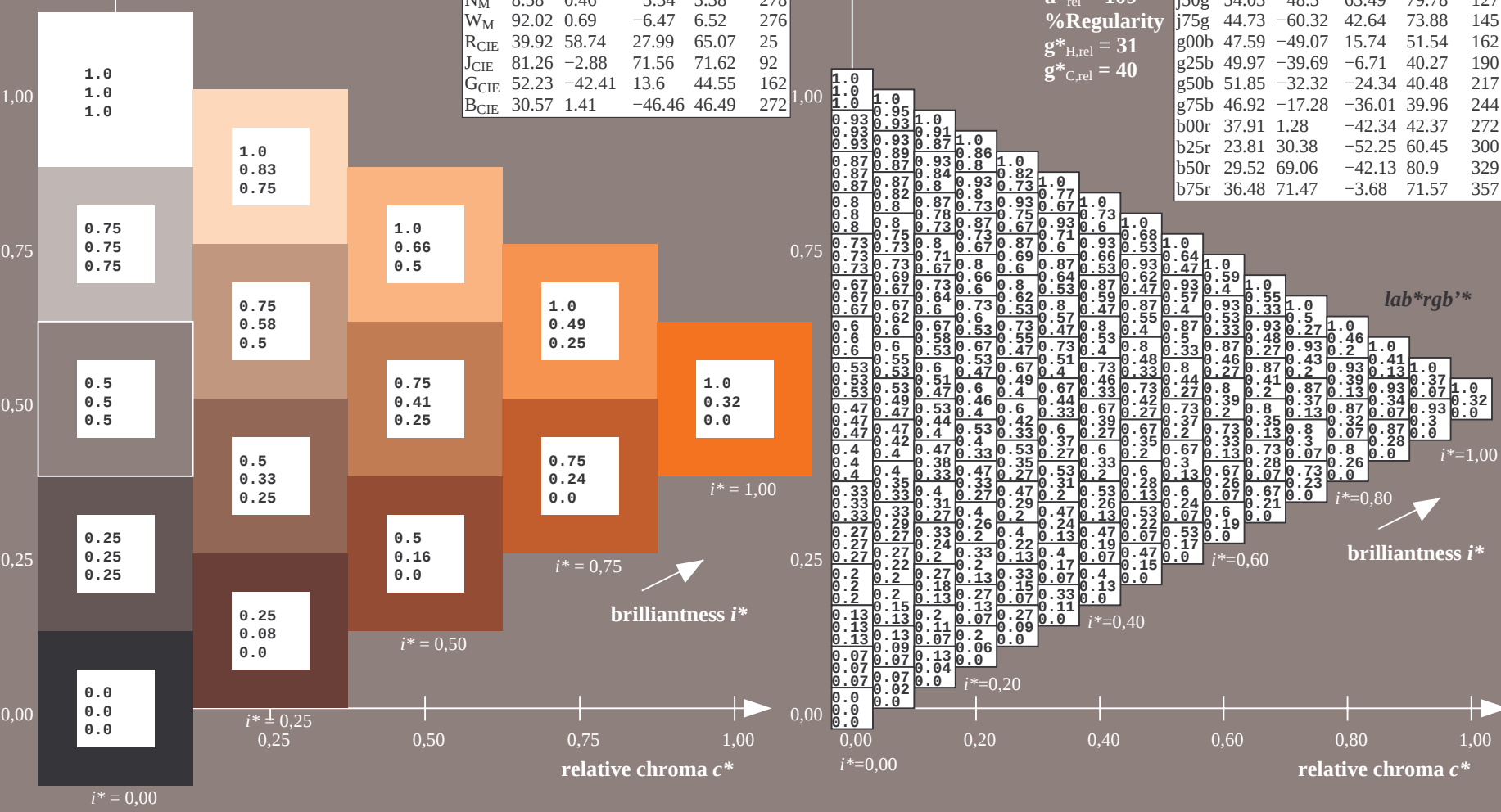
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

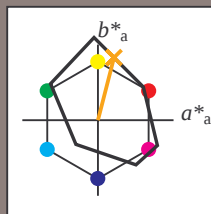
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

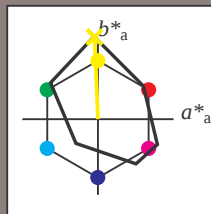
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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/De92/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20080701-De9210L/L92E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 110/360 = 0.305$
data for any colour: Data for maximum colour (Ma):

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

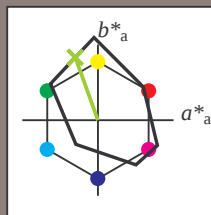
elementary hue text:

$$u^* = j25g$$

contrast reduction factor:

$$C_D = 1.0$$

R
triangle lightness t^*



FRS09_92aM; 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}: 67 -29 83

*LAB*LCH**Ma: 67 88 110

*lab*lab**_{Ma}: 67 88 11

*lab*rgb**_{Ma}: 0.75 1.0 0.0
*lab*olv**_{Ma}: 0.57 1.0 0.0

triangle lightness t^*

triangle rightness:

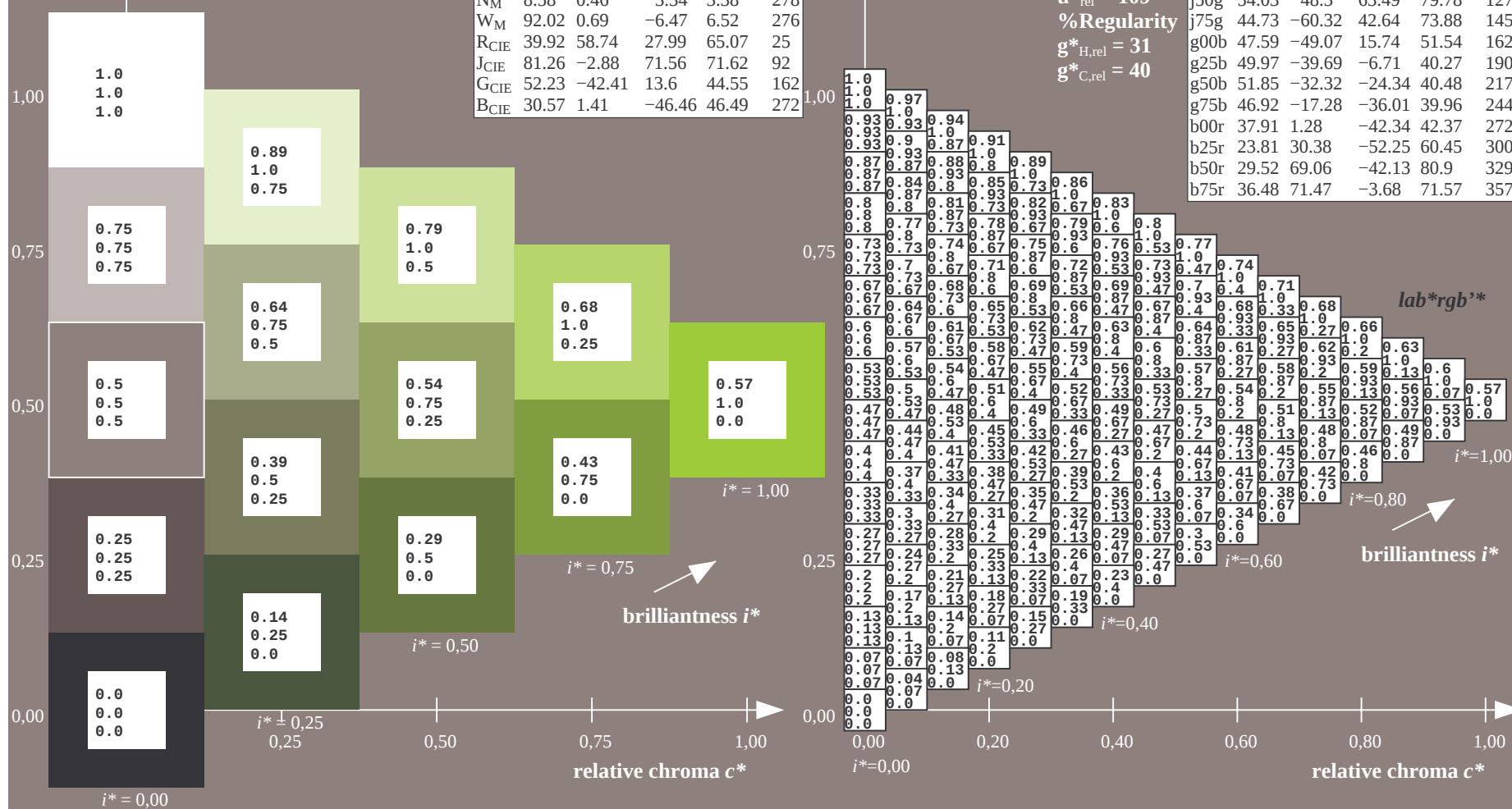
%Gamut

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

%Regularity

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

FRS09_92aM; 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 De92; Colorimetric systems, Page 151/180
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

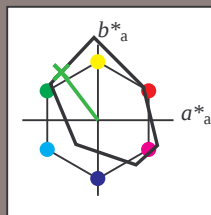
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

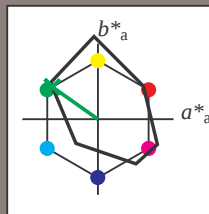
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

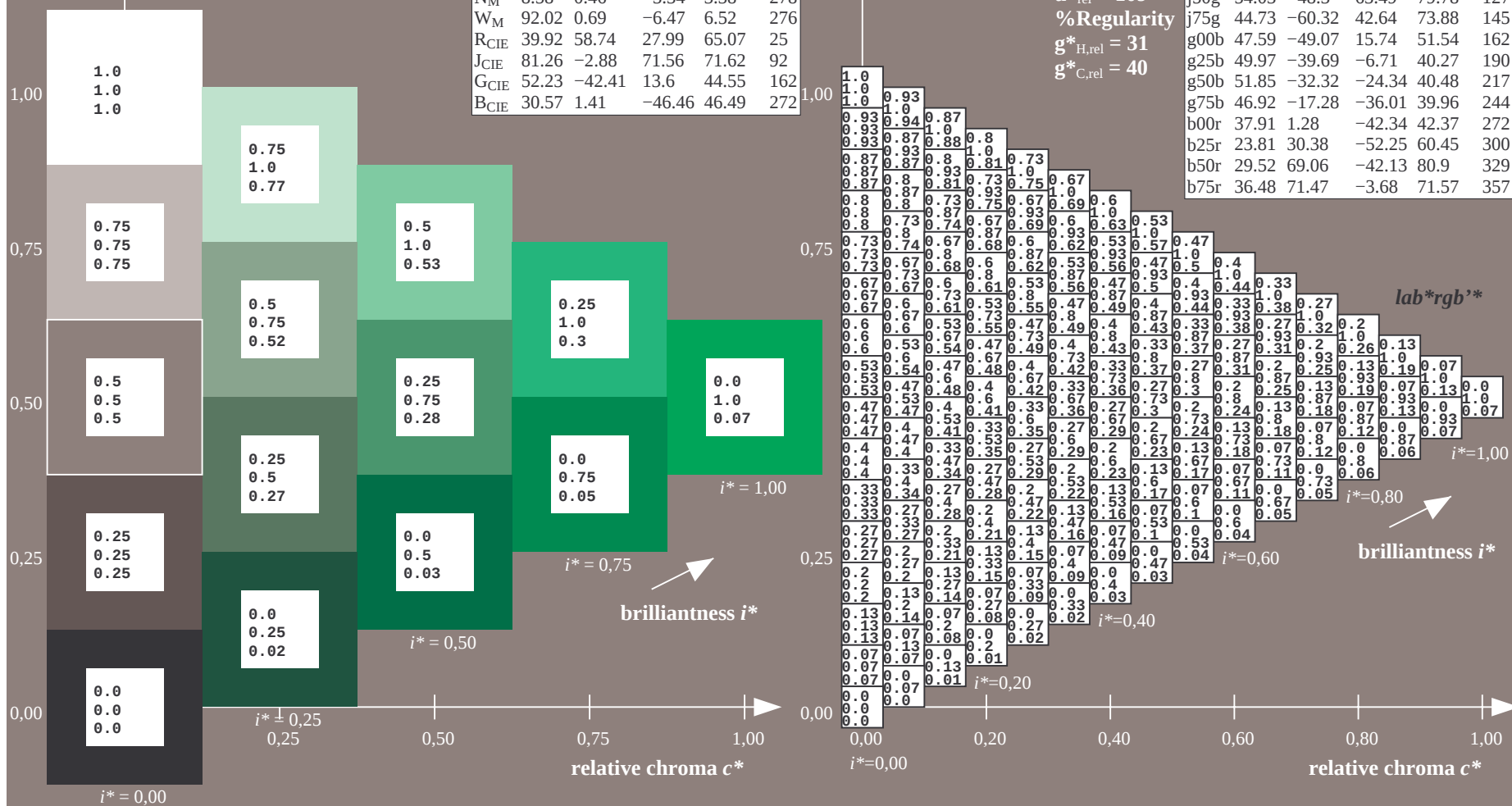
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

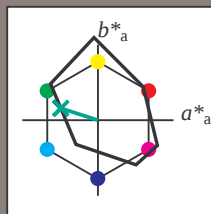
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

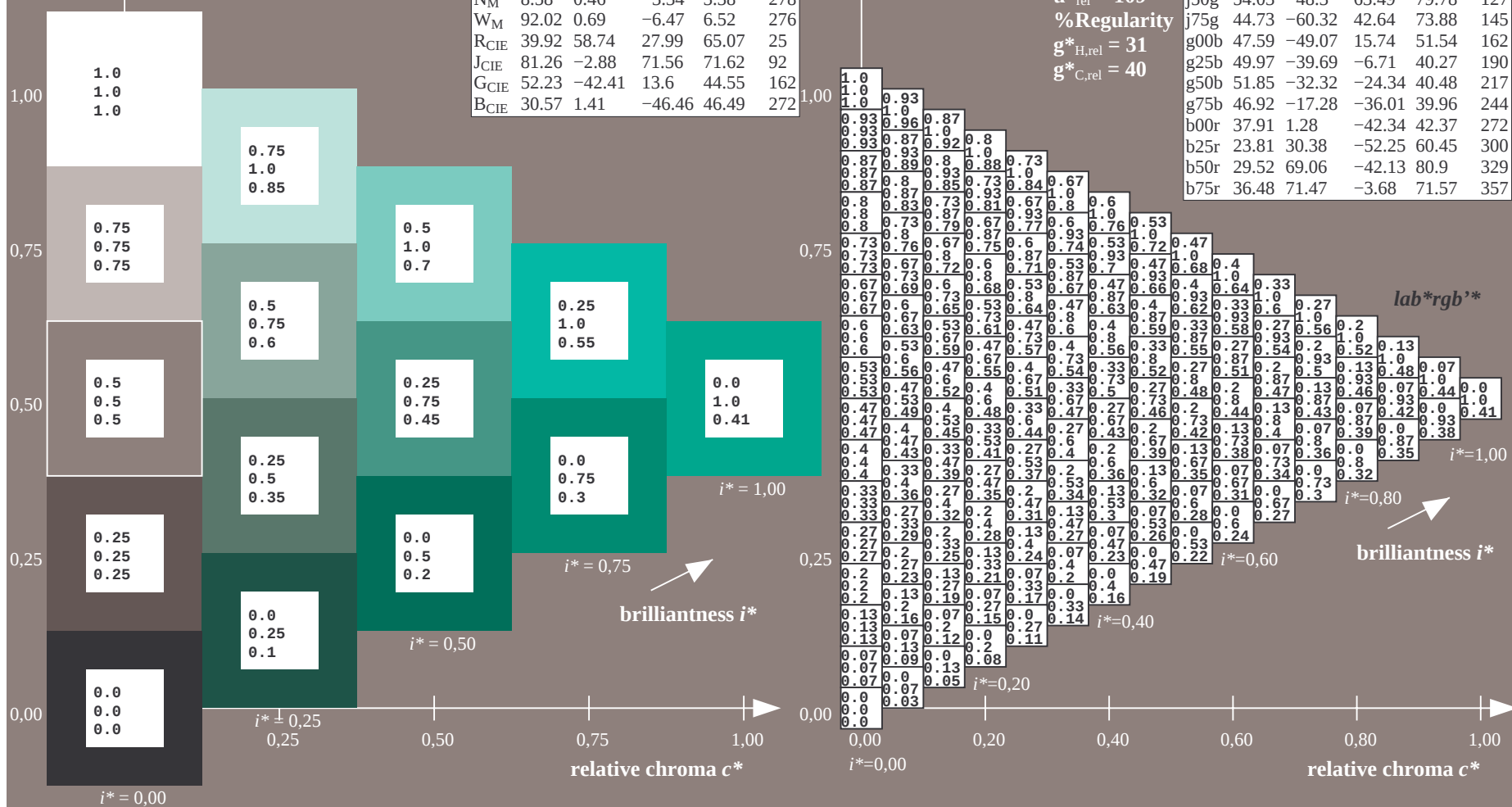
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

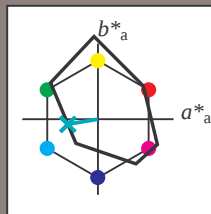
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

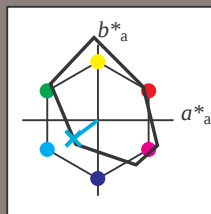
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

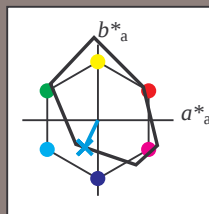
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

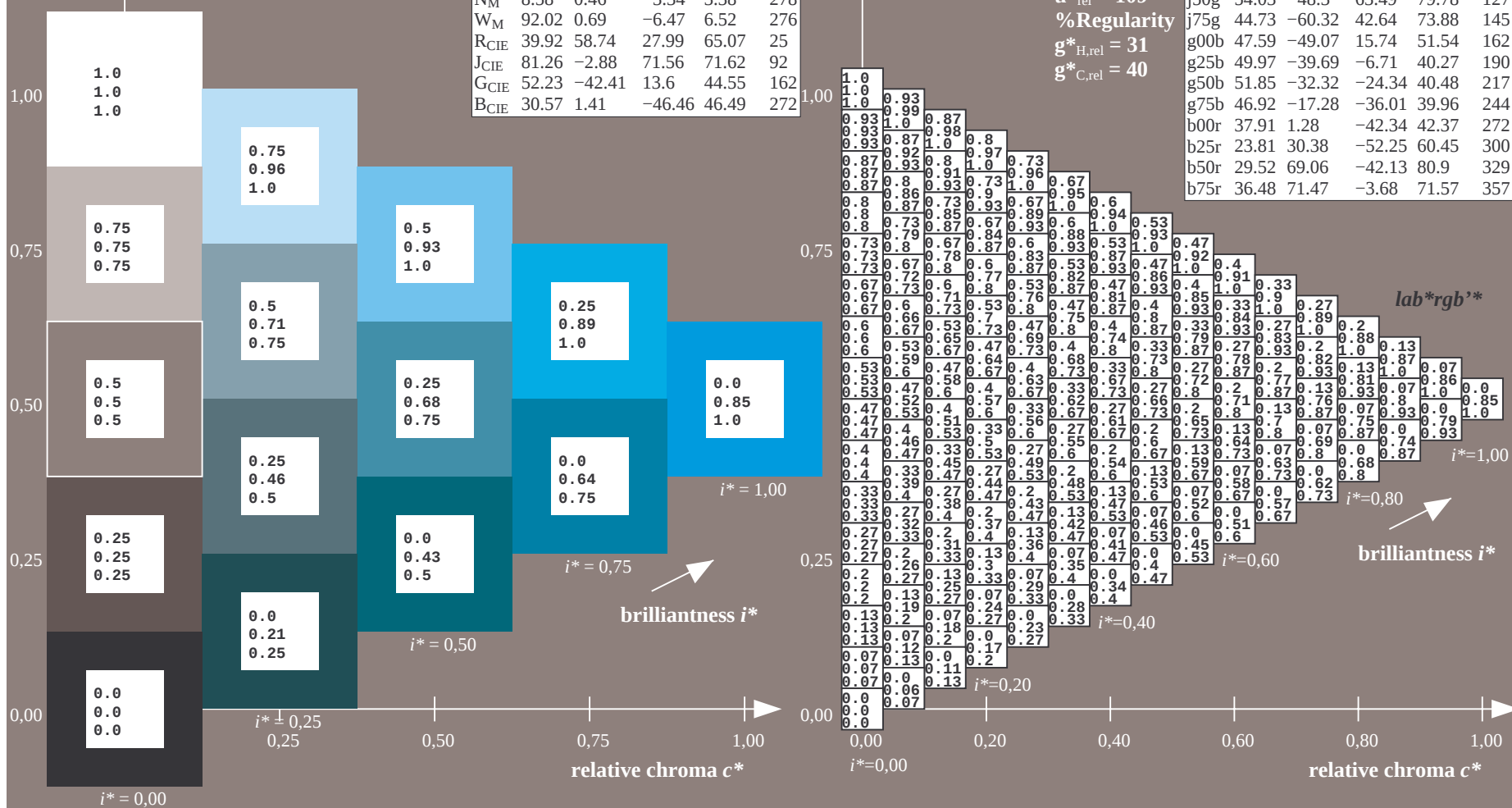
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

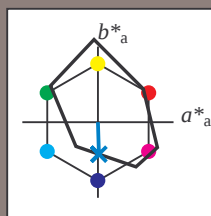
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

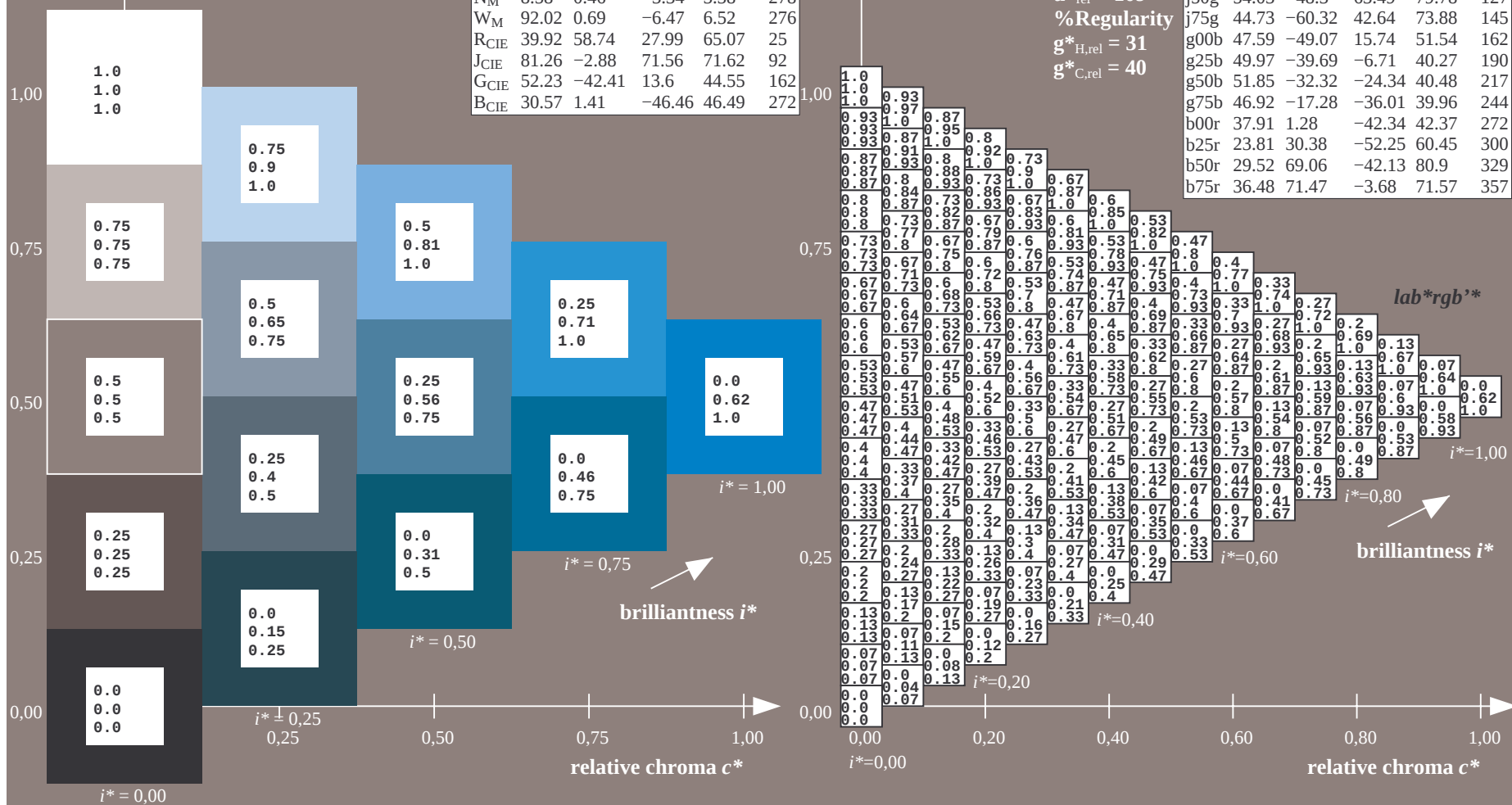
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

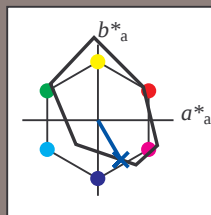
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

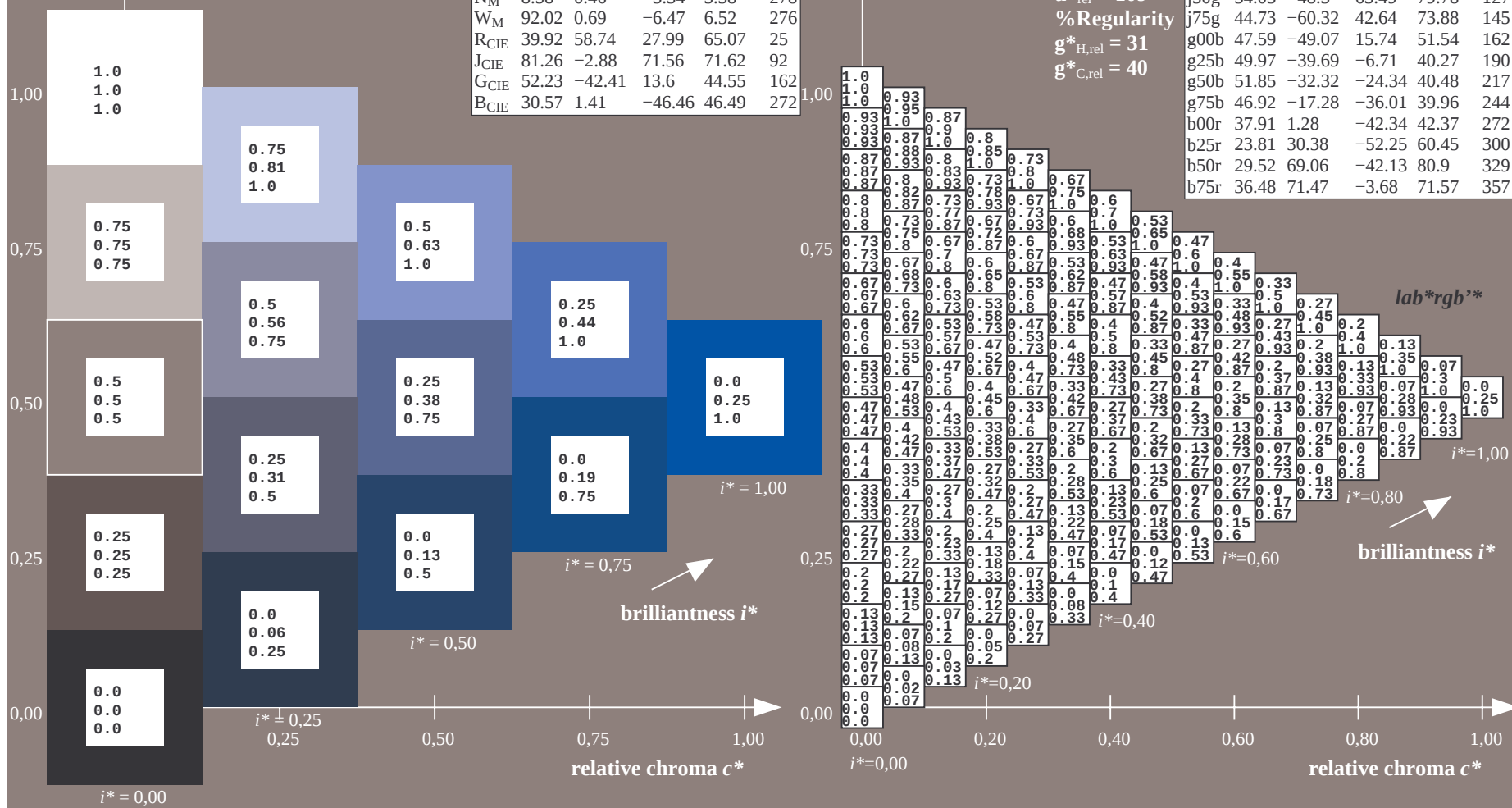
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

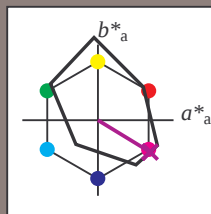
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

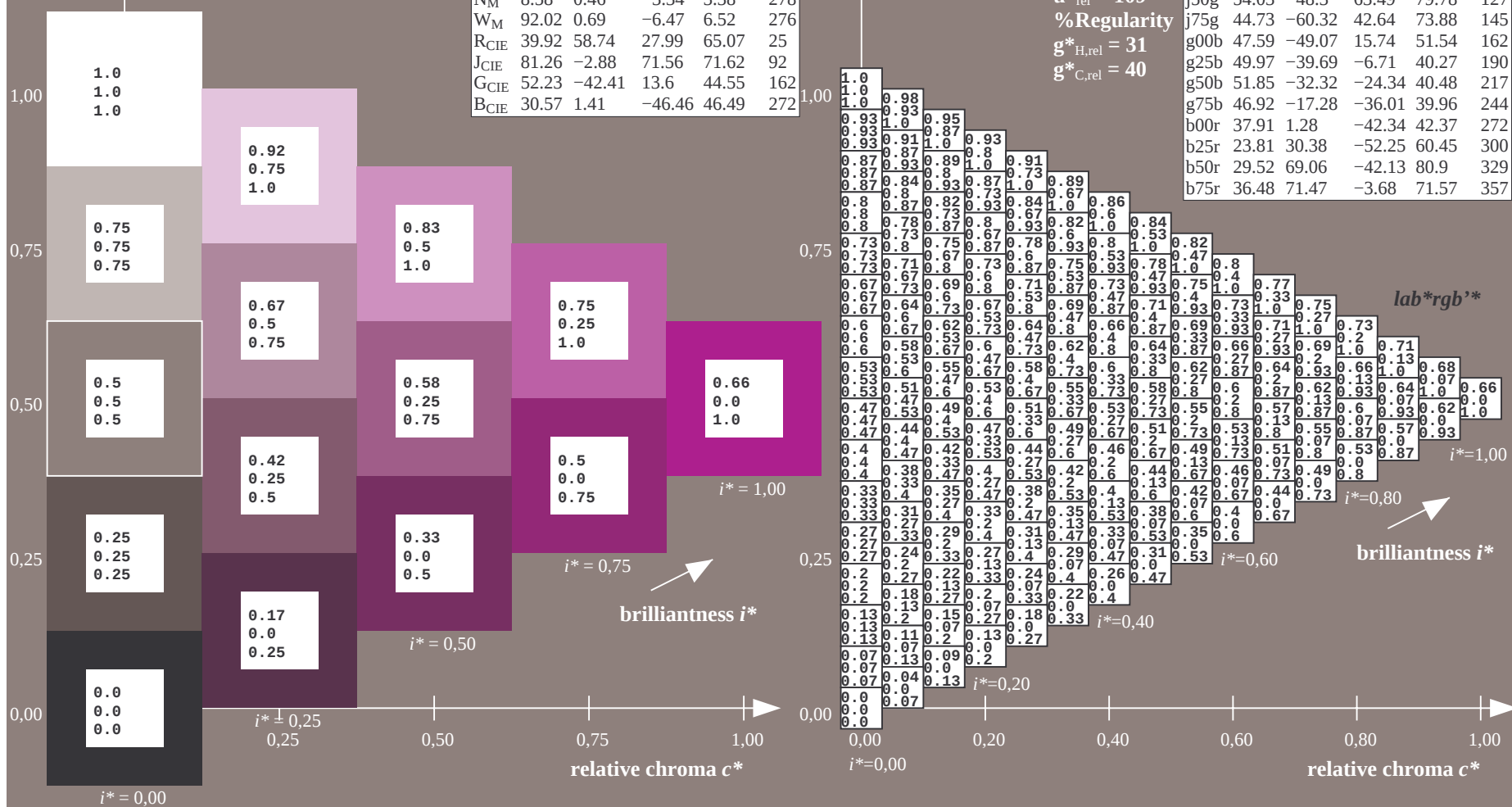
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

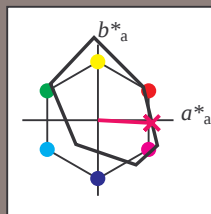
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

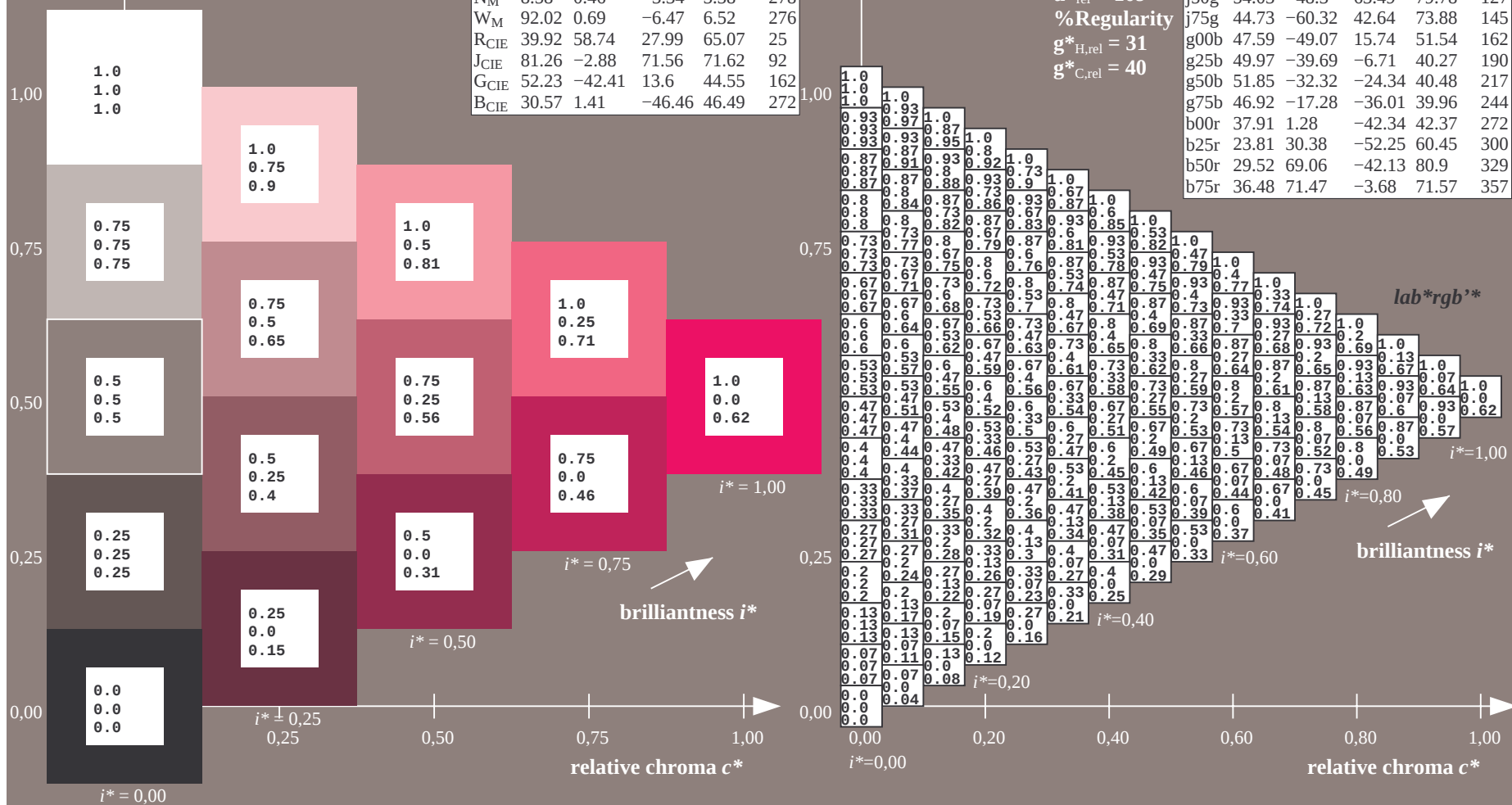
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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

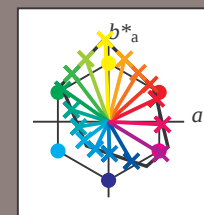


See for similar files: <http://www.ps.bam.de/De92/>; [www.ps.bam.de/De92/](http://www.ps.bam.de/De92/Version 2.1, io=1,1, ColSpX=0)
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

	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	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				
02	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	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
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	0.25	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
04	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	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
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	0.25	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
06	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	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
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	0.25	0.25	0.25	0.25
08	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	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
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	0.25	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
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	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
11	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	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
12	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	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
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	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
14	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	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
15	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	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
16	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	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
17	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	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
18	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	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
19	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	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
20	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	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
21	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	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
22	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	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
23	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	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
24	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	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
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	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
26	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	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
27	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	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

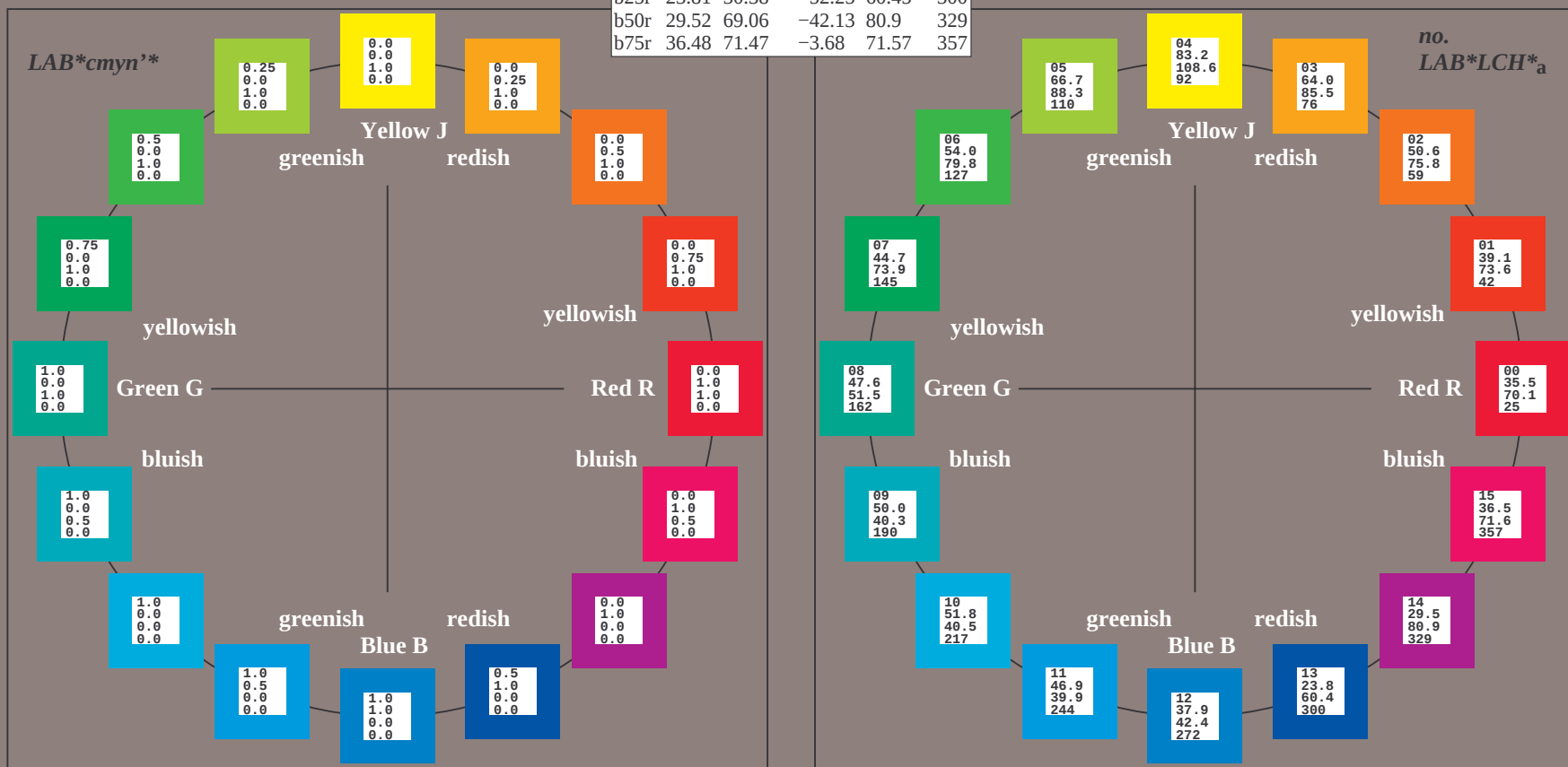
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
*lab***tc*** and lab***icu****
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

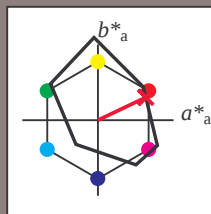
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

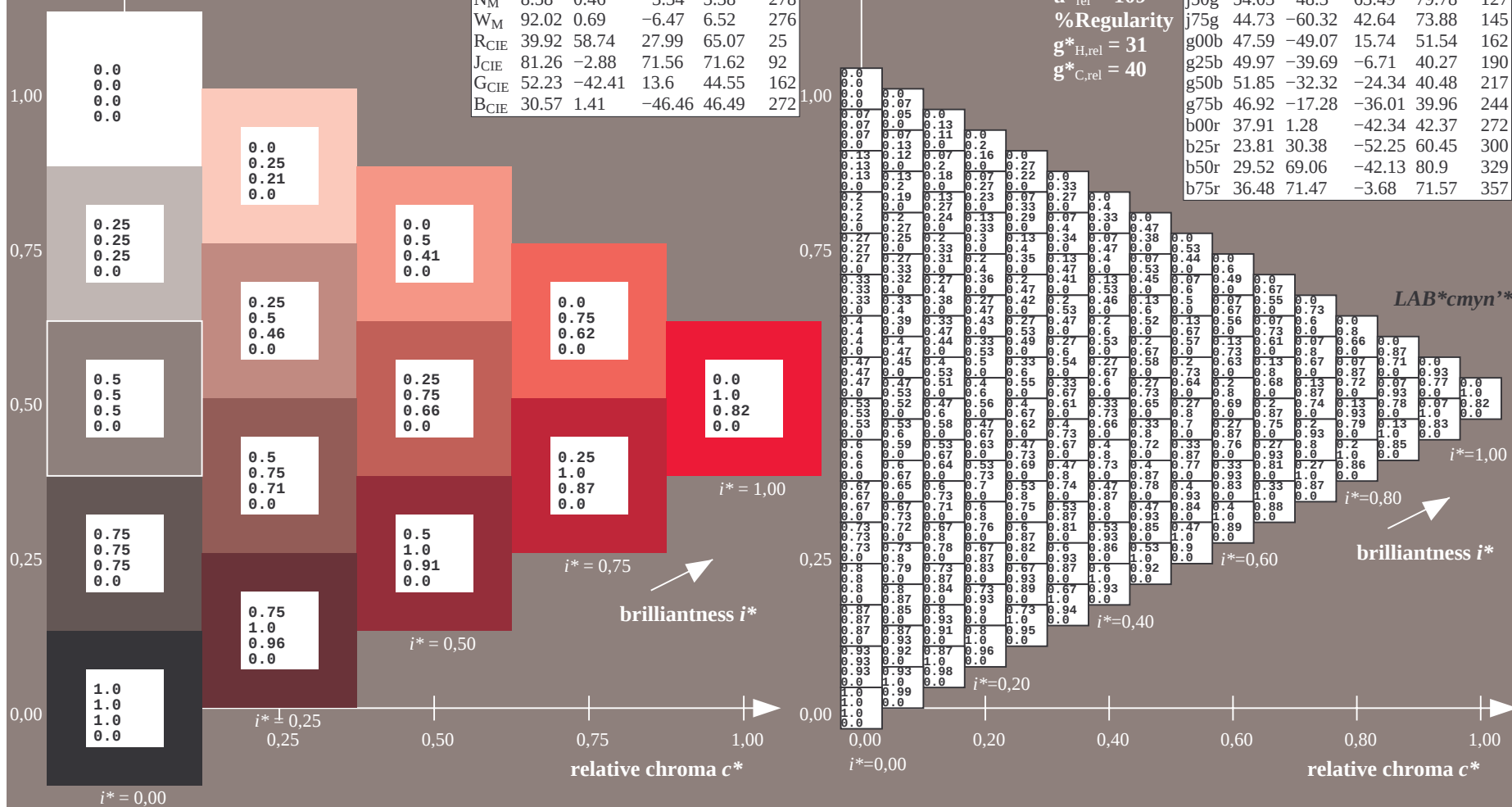
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

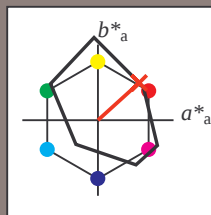
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

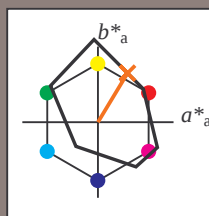
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

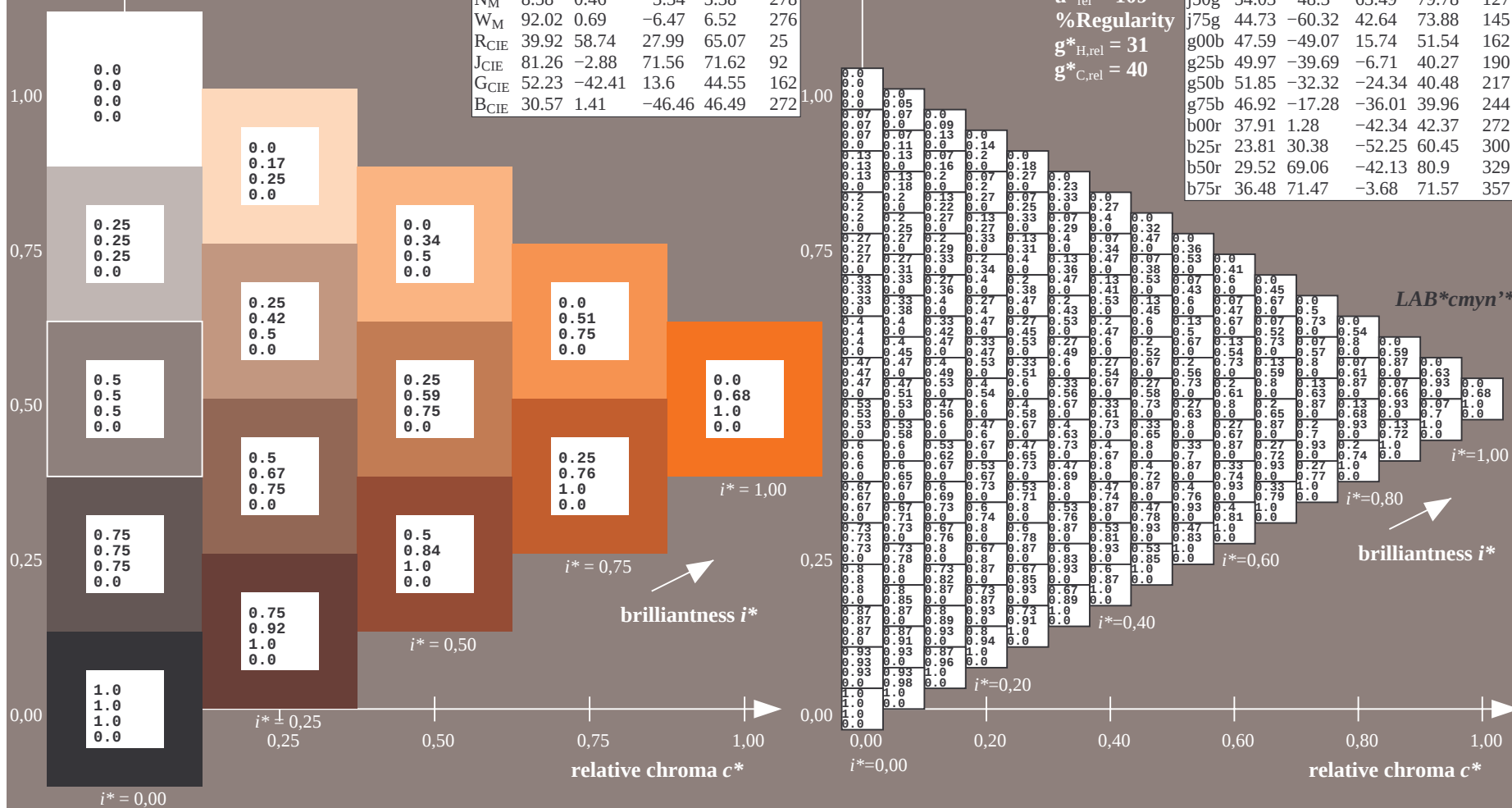
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

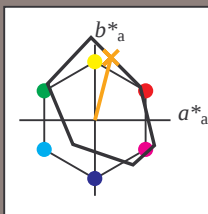
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

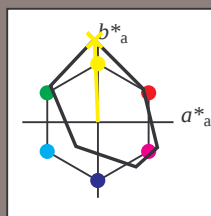
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

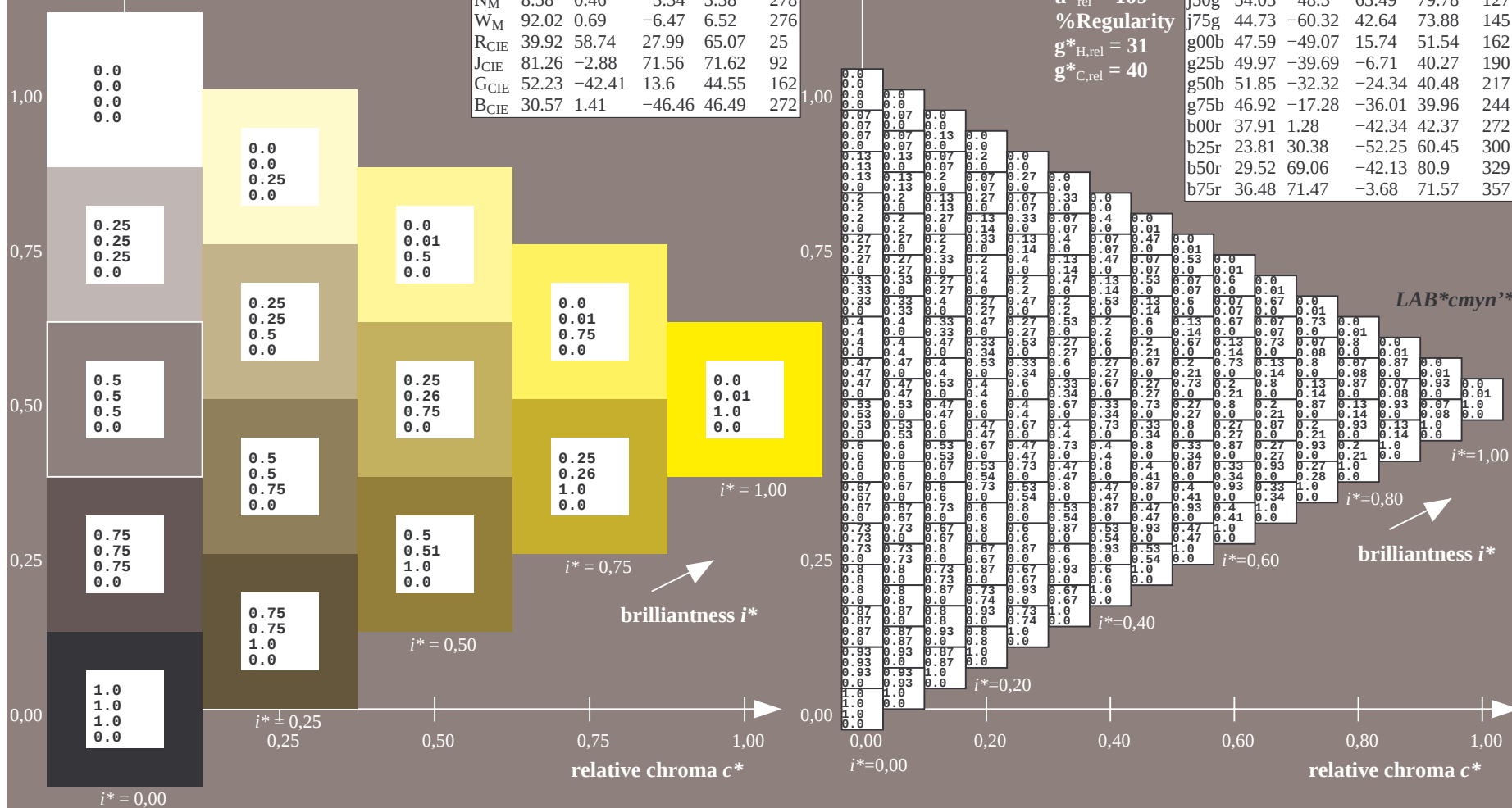
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

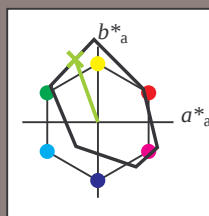
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

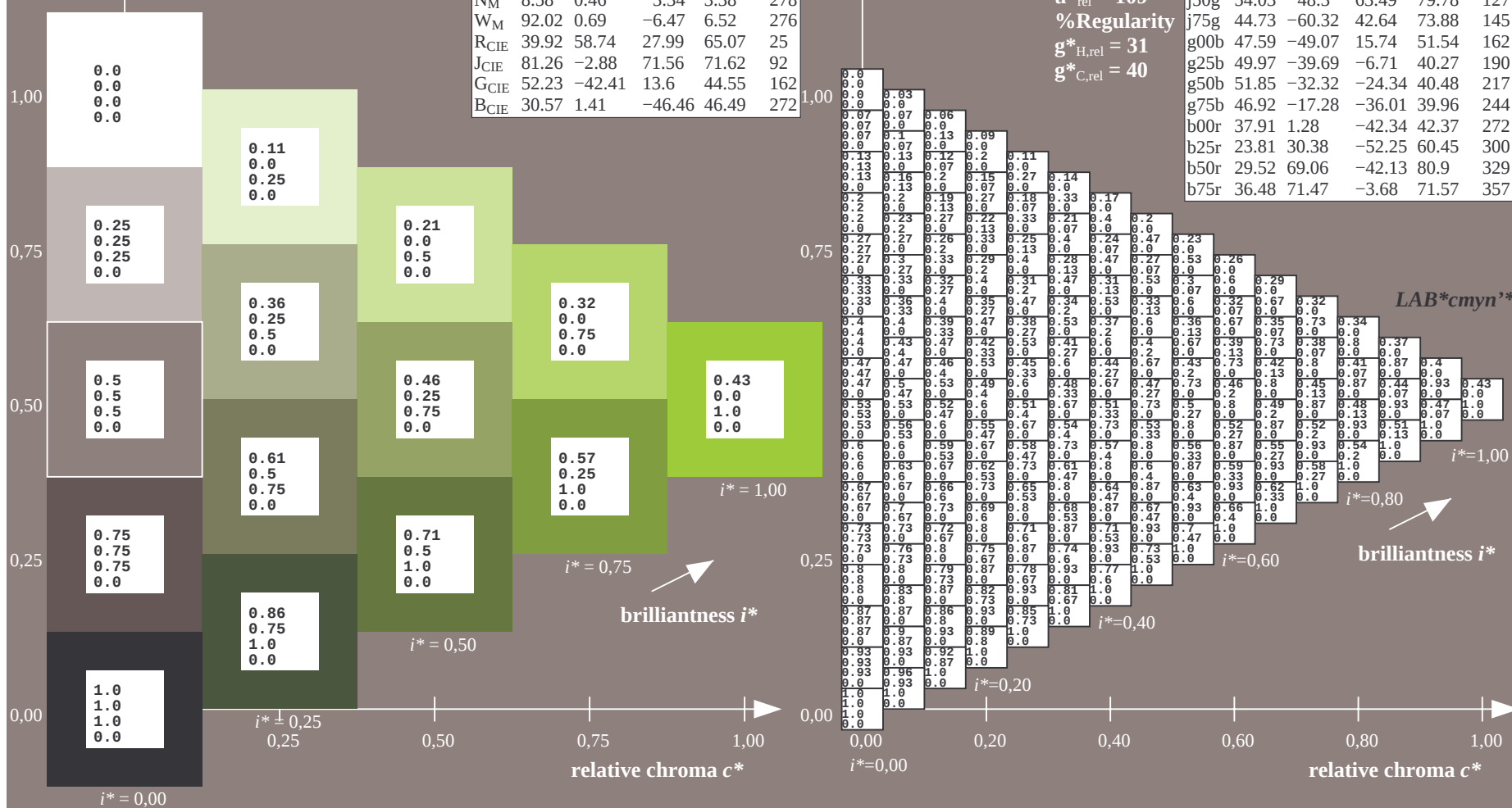
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

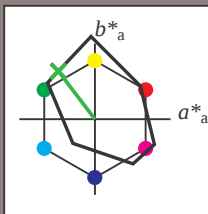
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

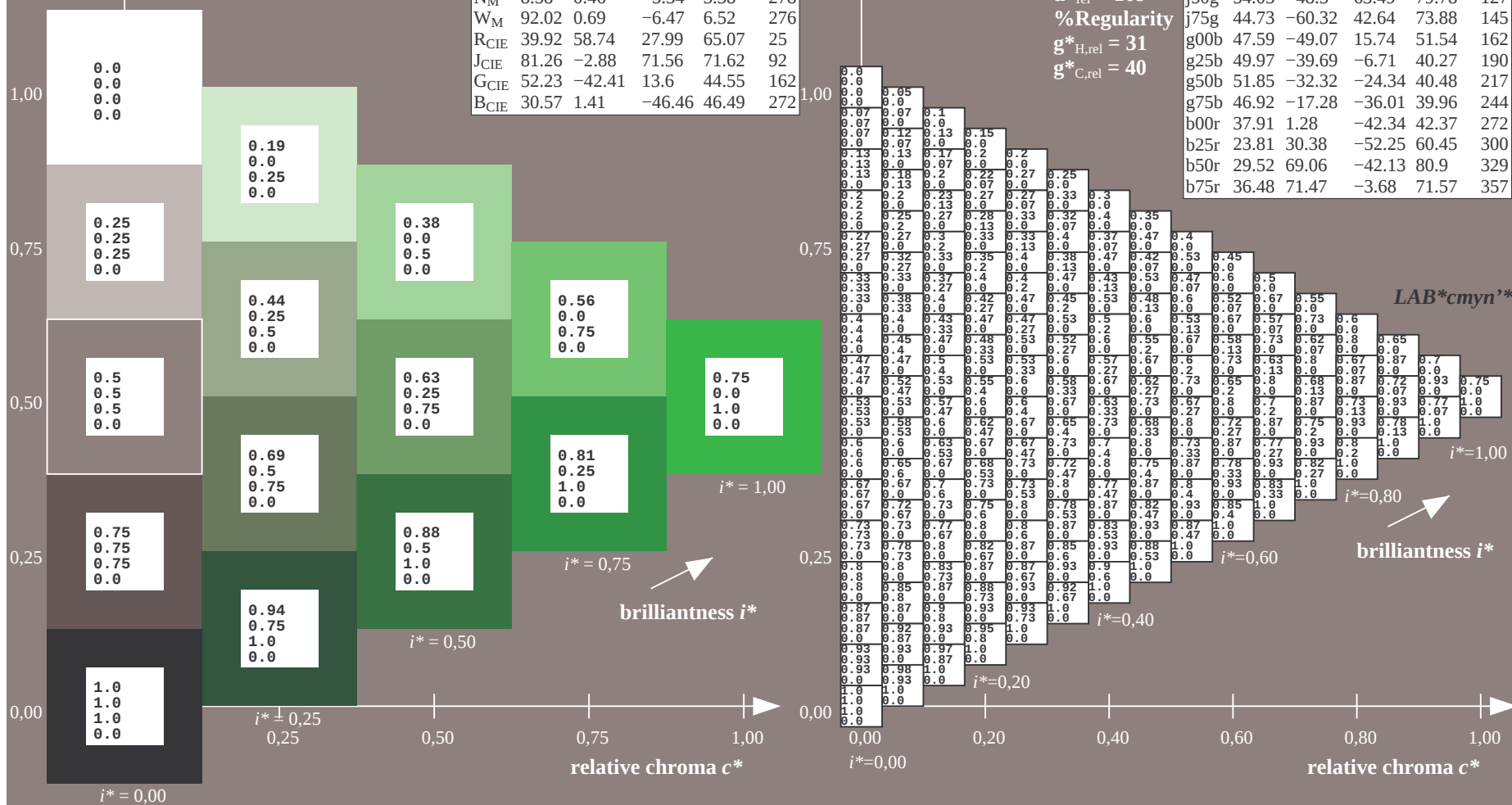
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

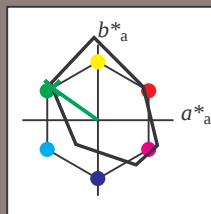
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

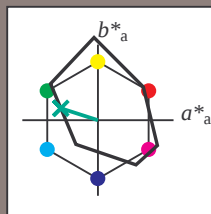
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

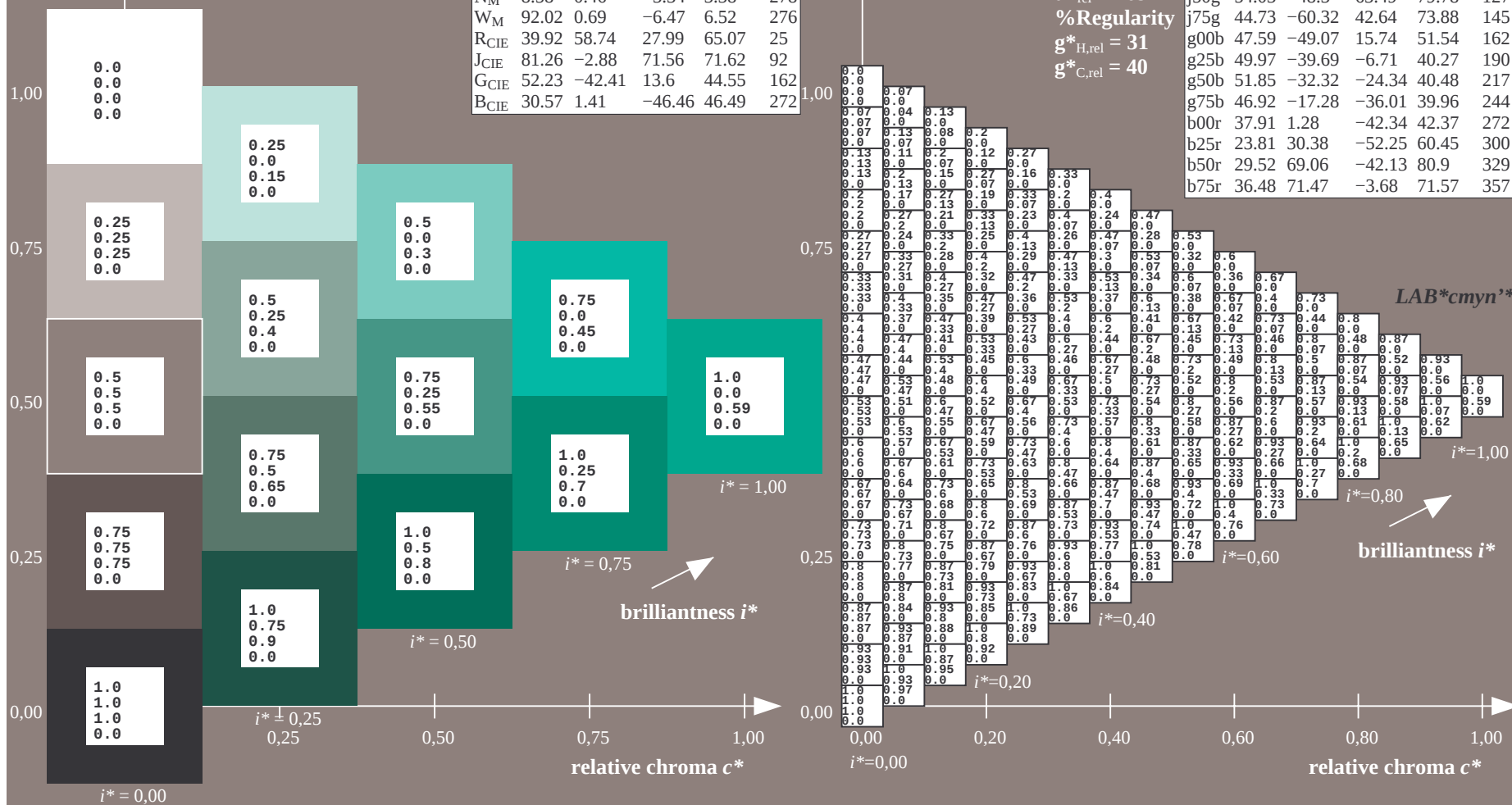
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

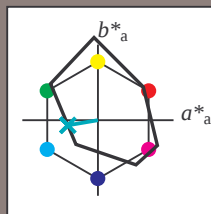
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

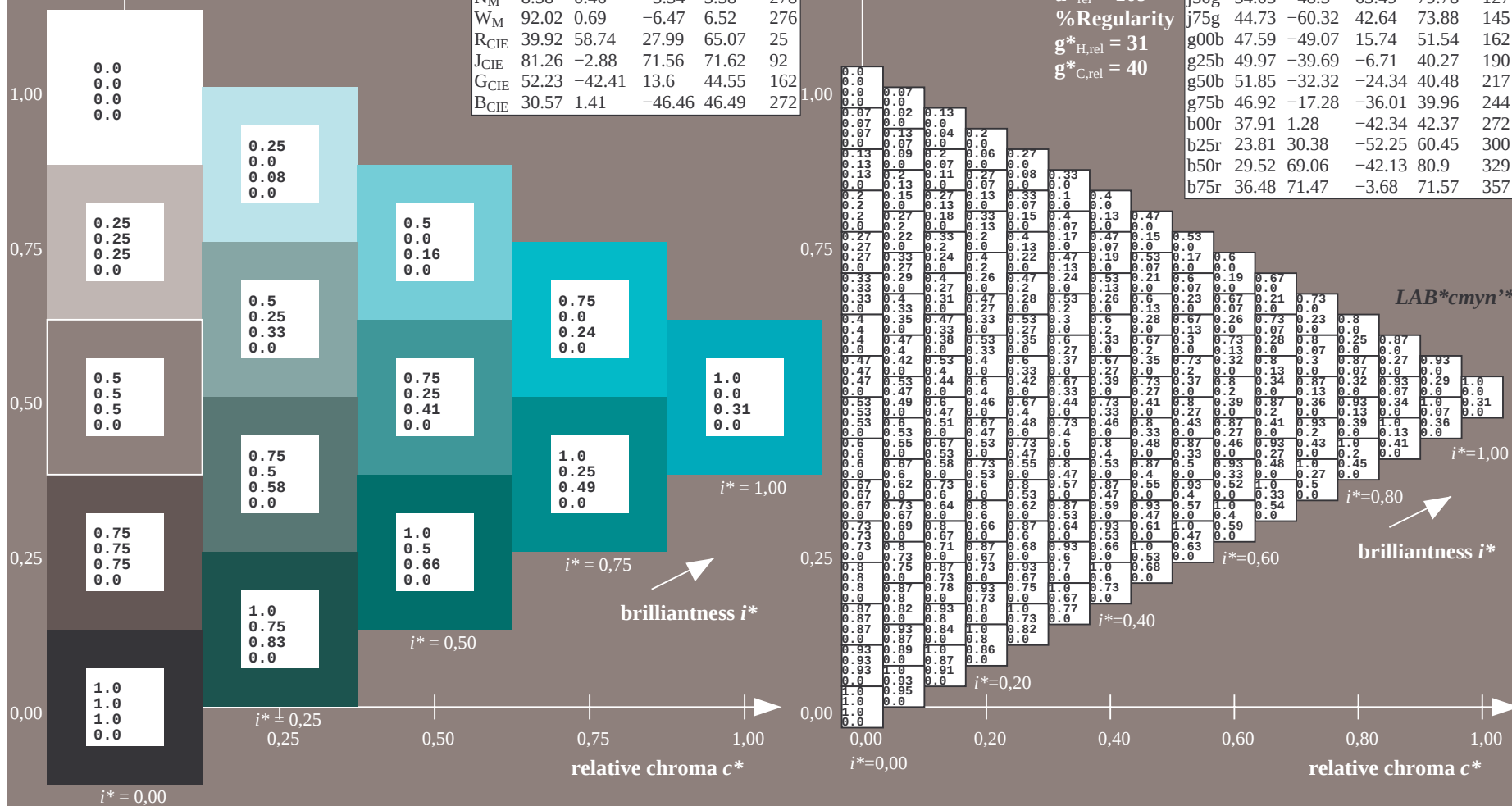
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

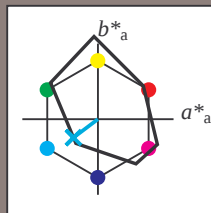
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

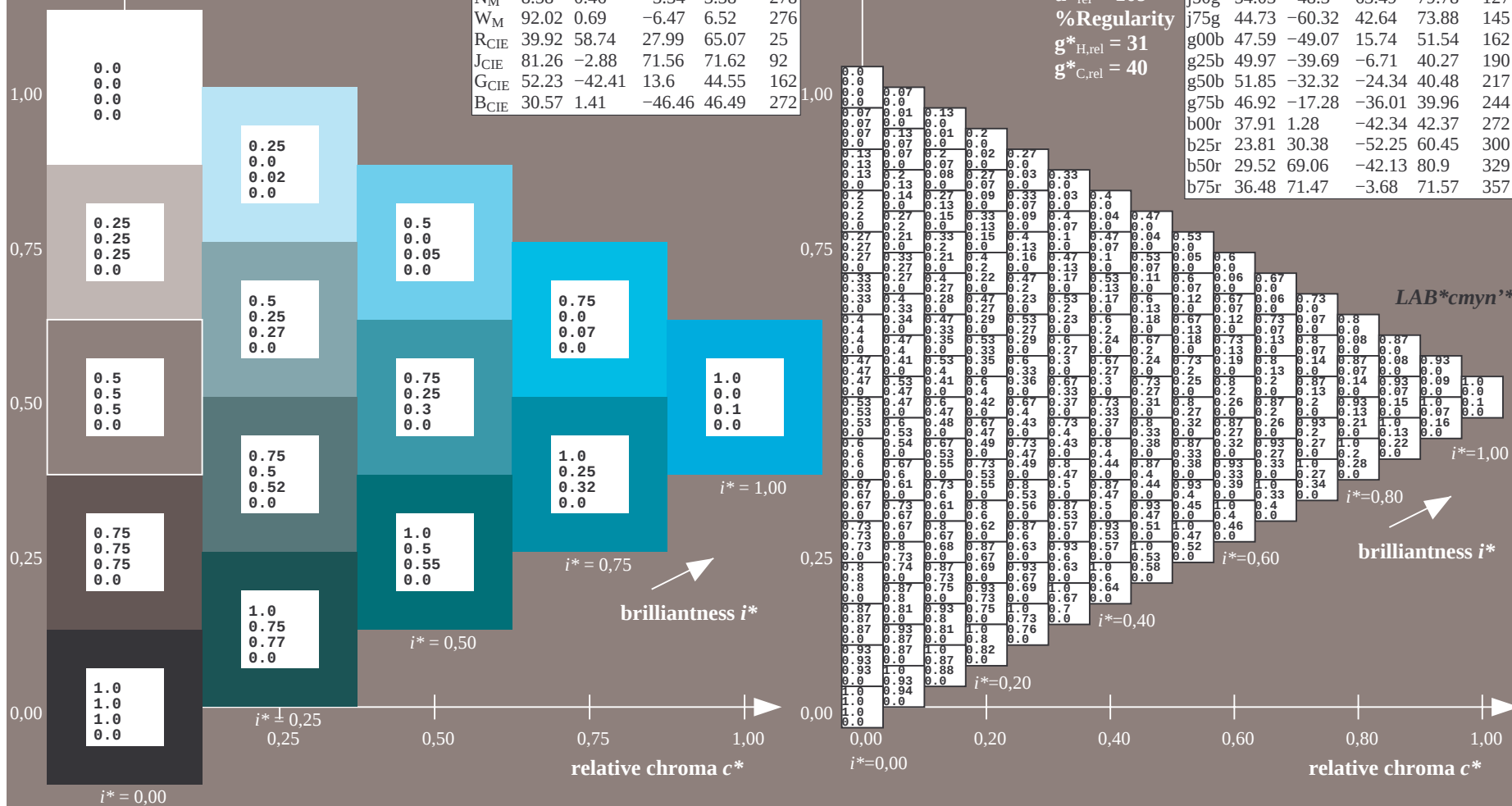
%Regularity

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

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

FRS09_92aM; adapted (a) CIELAB data

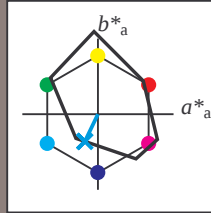
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.37	108.53	108.62	92
j25g	66.73	-29.88	83.06	88.28	110
j50g	54.03	-48.3	63.49	79.78	127
j75g	44.73	-60.32	42.64	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_92aM for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 244/360 = 0.679$ 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_92aM; 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	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	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	273

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^*

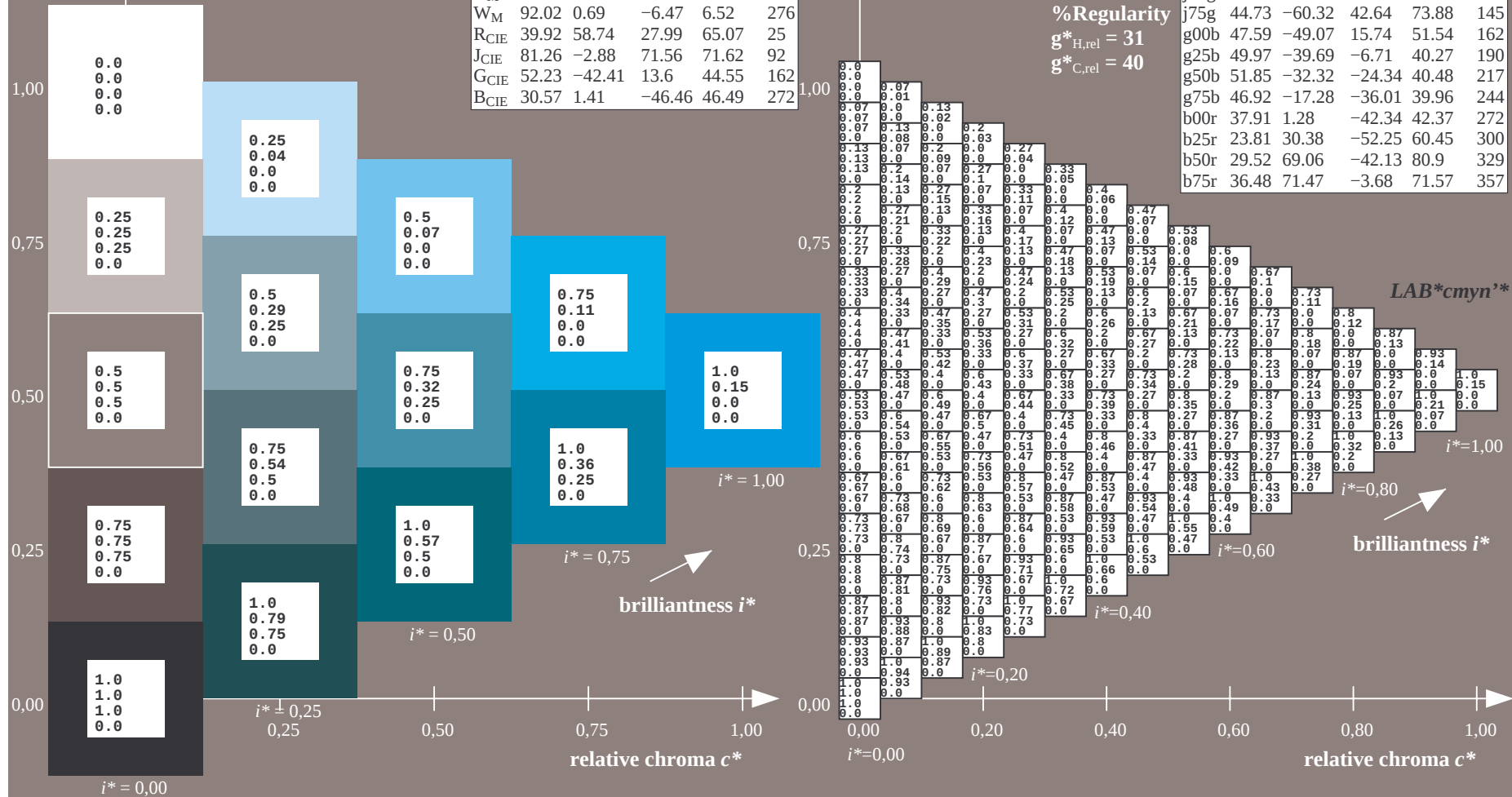
%Gamut

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

%Regularity

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

FRS09_92aM; 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	
y75g	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 De92; 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-De92/10L/L92E00NA.PS/.TXT BAM material: code=rha4ta
- application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

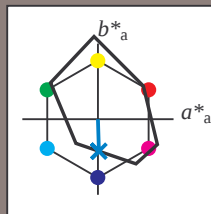
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

$u^*_{rel} = 109$

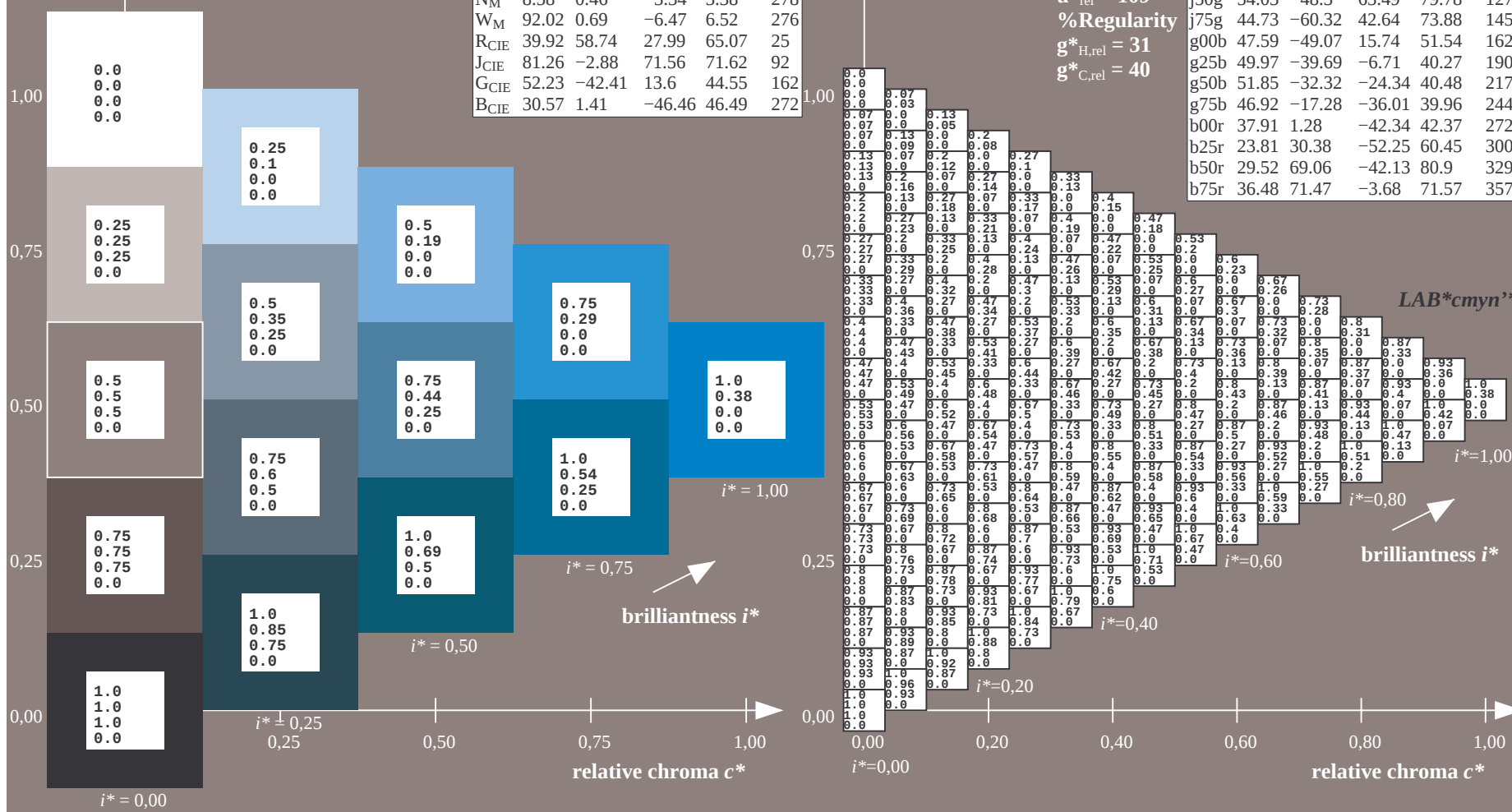
%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

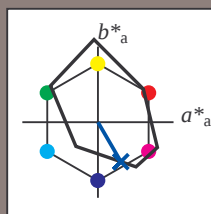
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

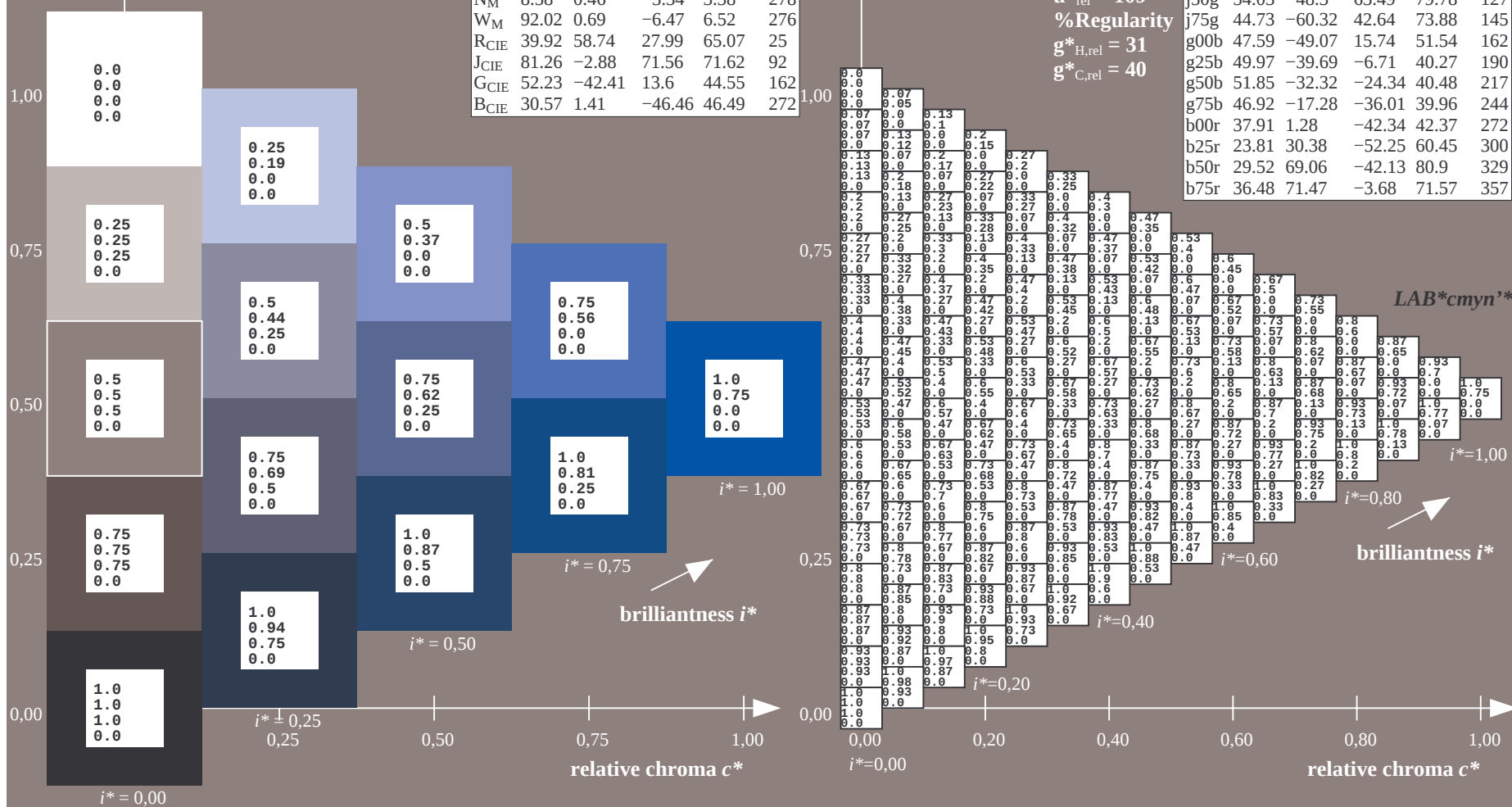
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

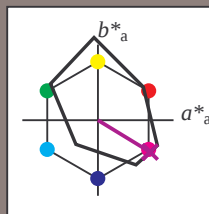
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

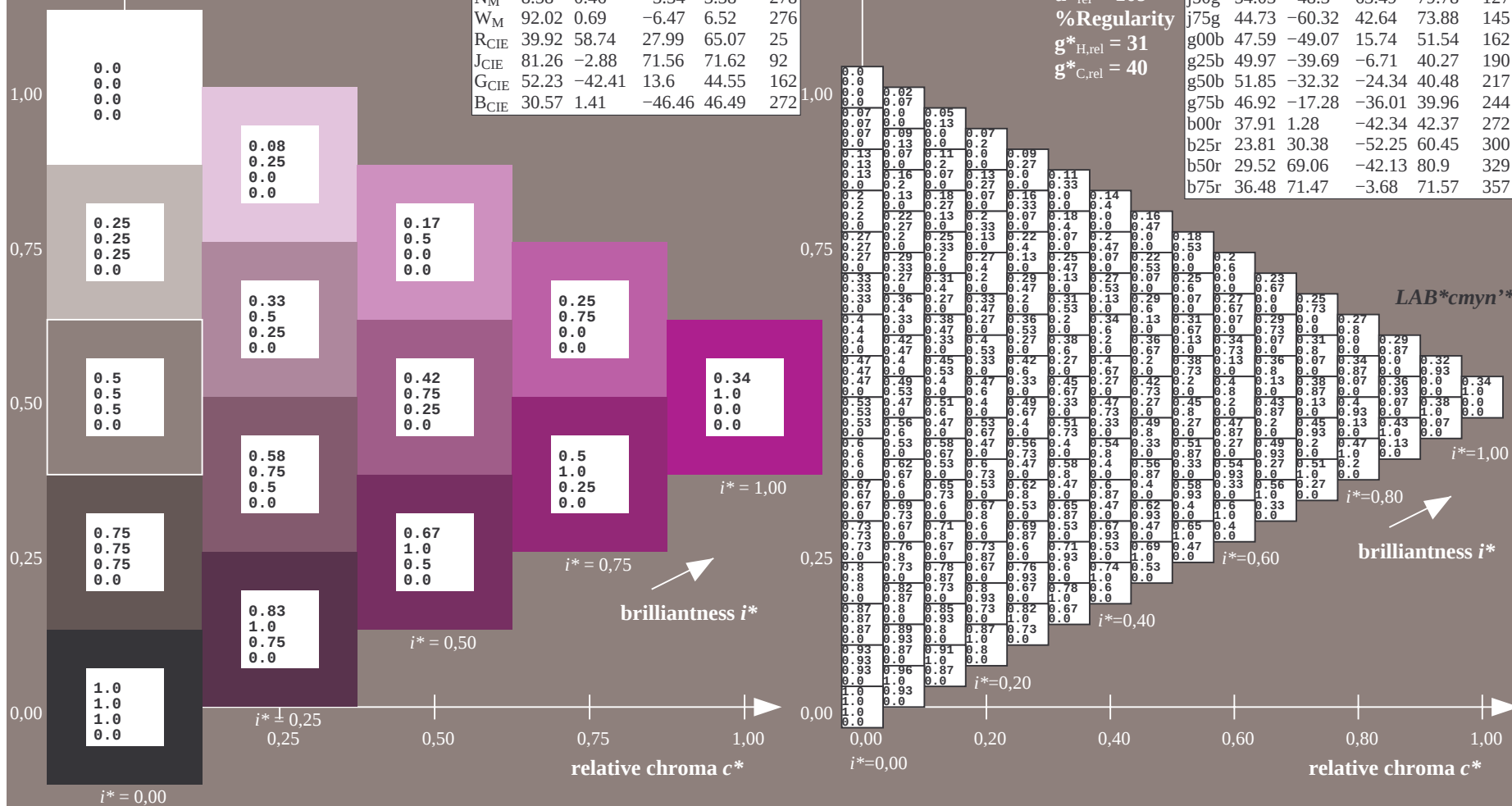
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

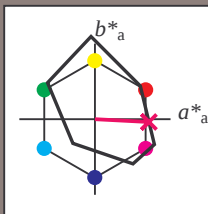
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92aM; 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

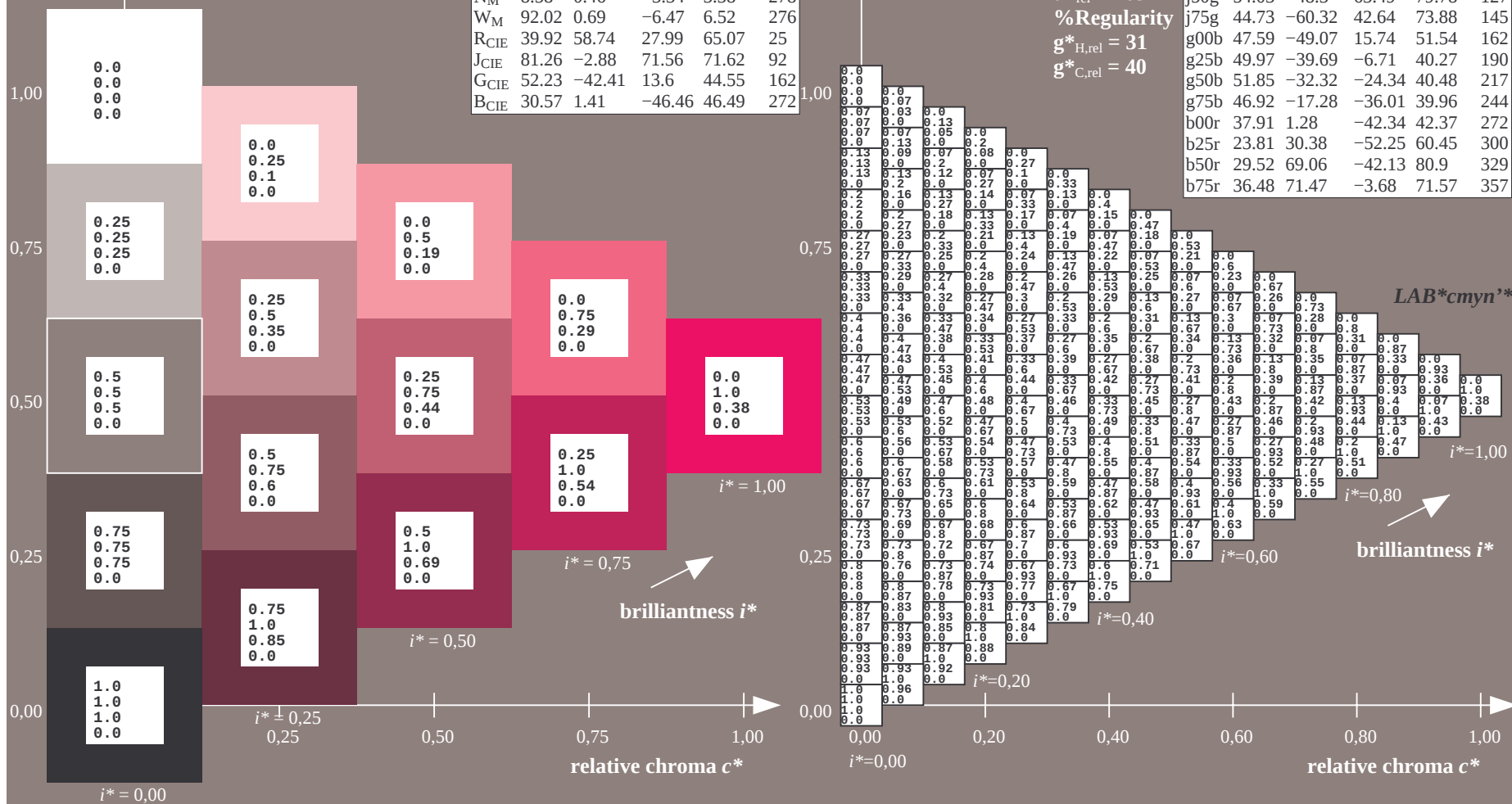
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92aM; 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-De9210L/L92E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

[illegible]

BAM-test chart De92; Colorimetric systems, Page 180/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

See for similar files: <http://www.ps.bam.de/De92/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0