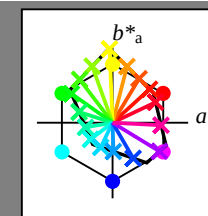


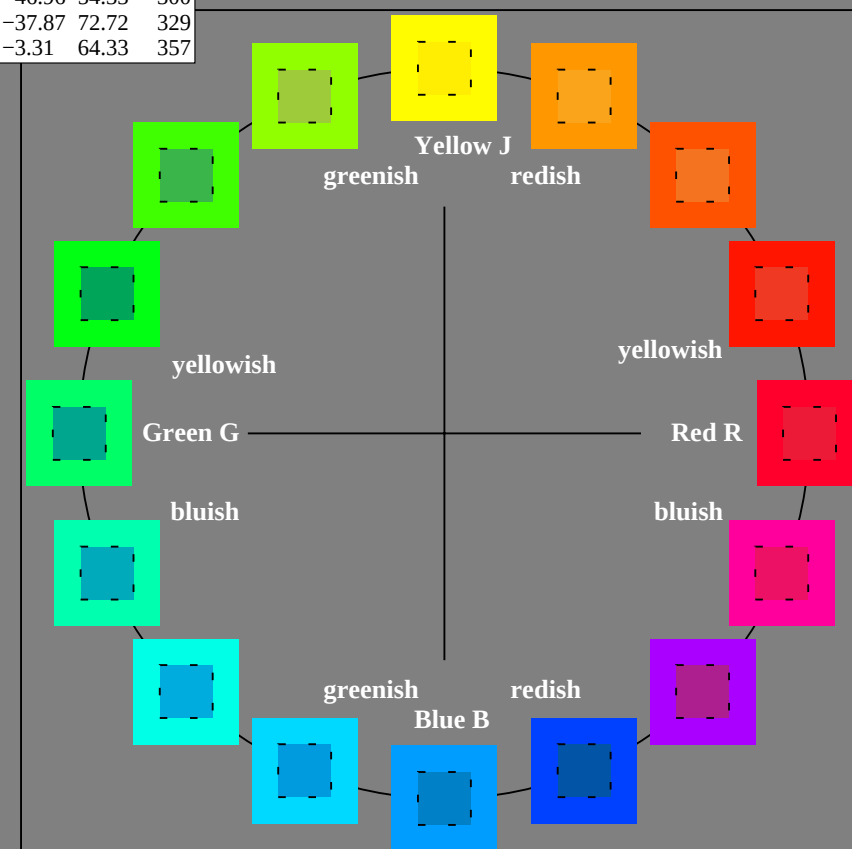
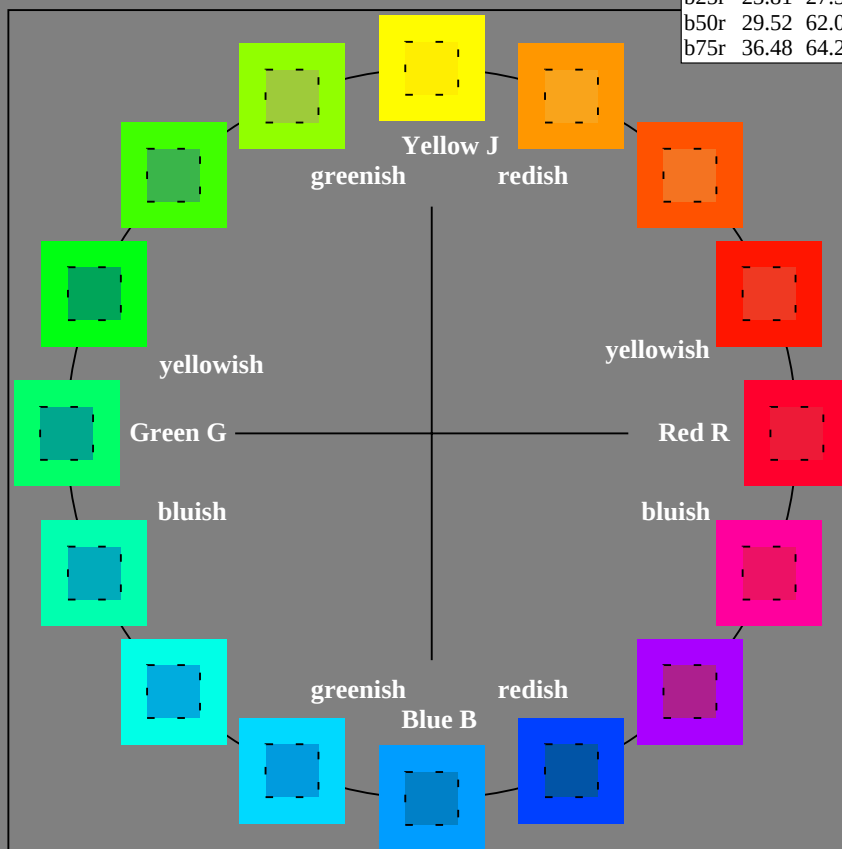
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^{*}_{rel} = 88$
%Regularity
 $g^{*}_{H,rel} = 31$
 $g^{*}_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

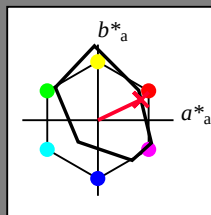
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

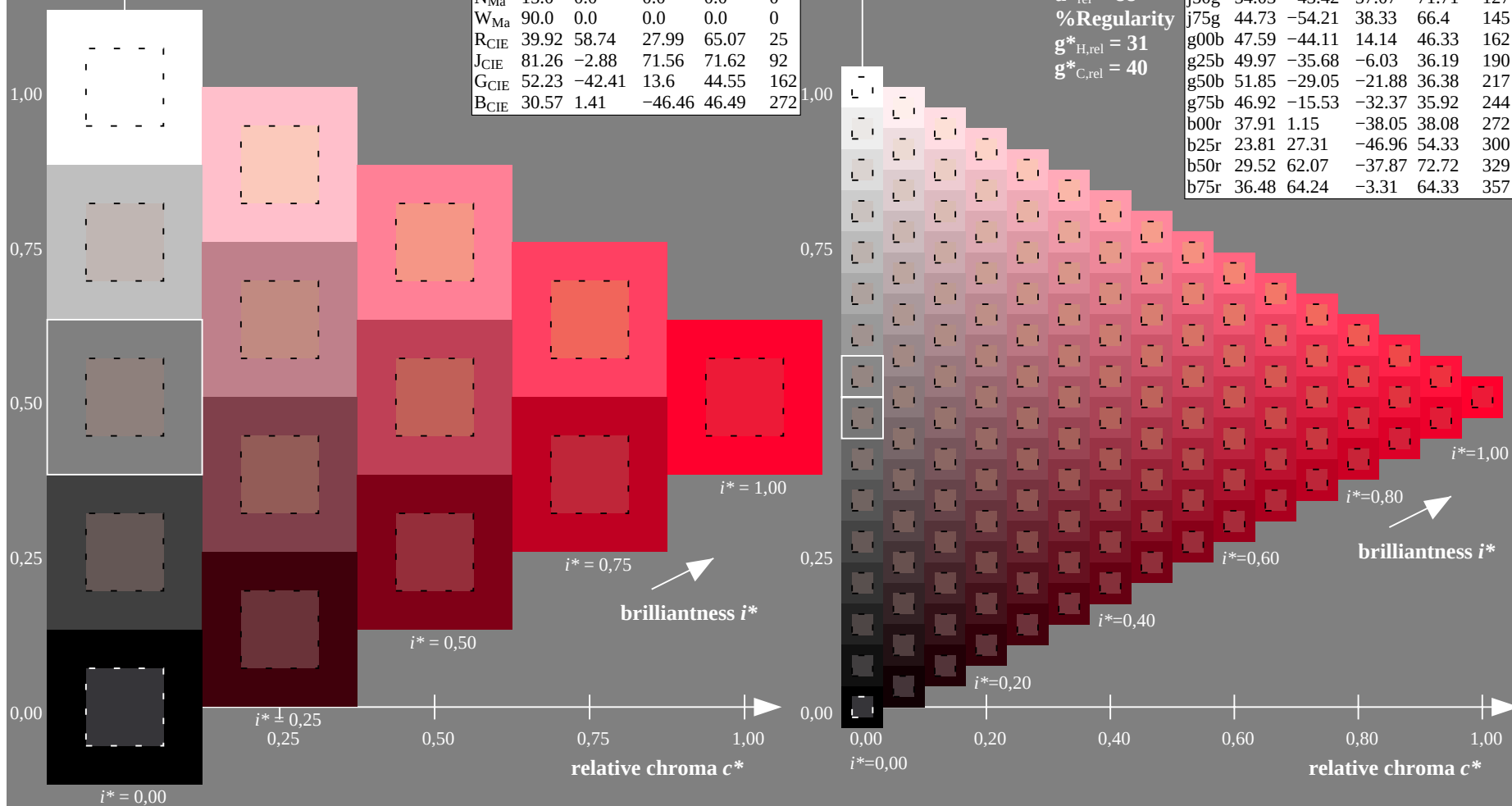
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

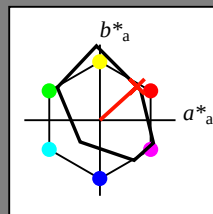
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

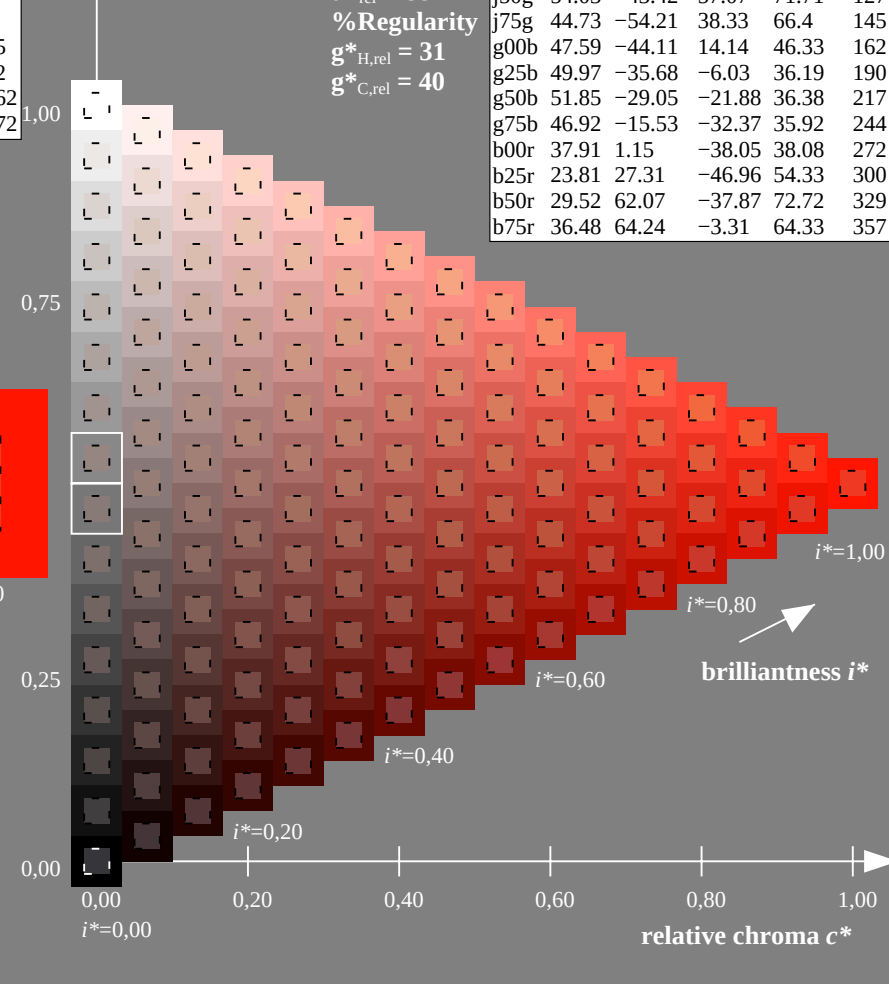
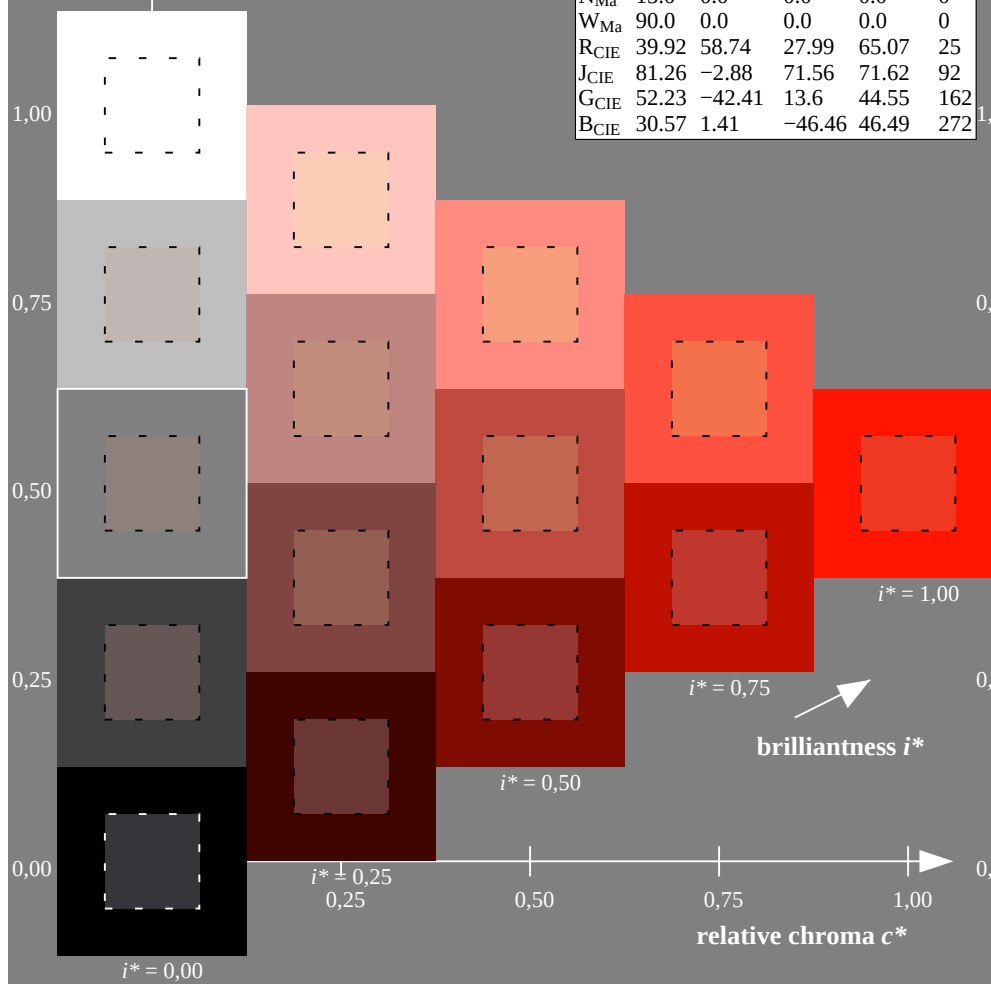
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

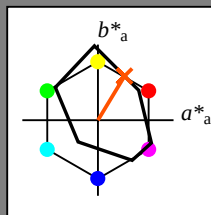
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

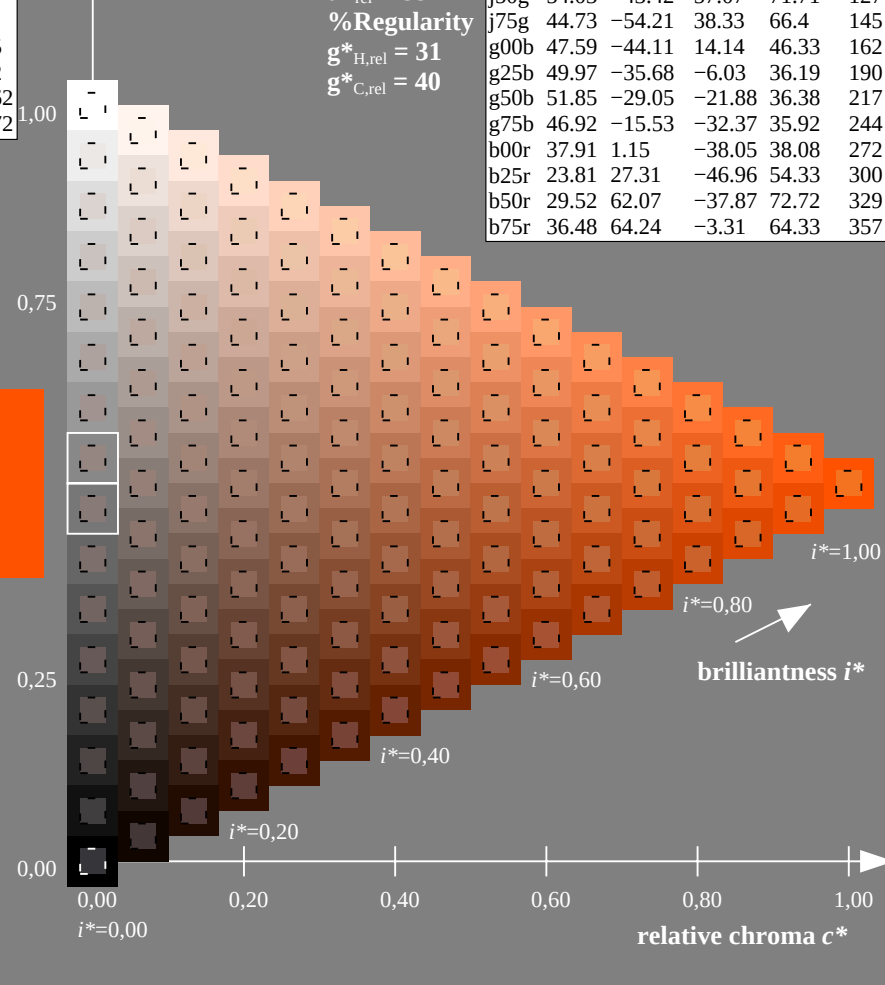
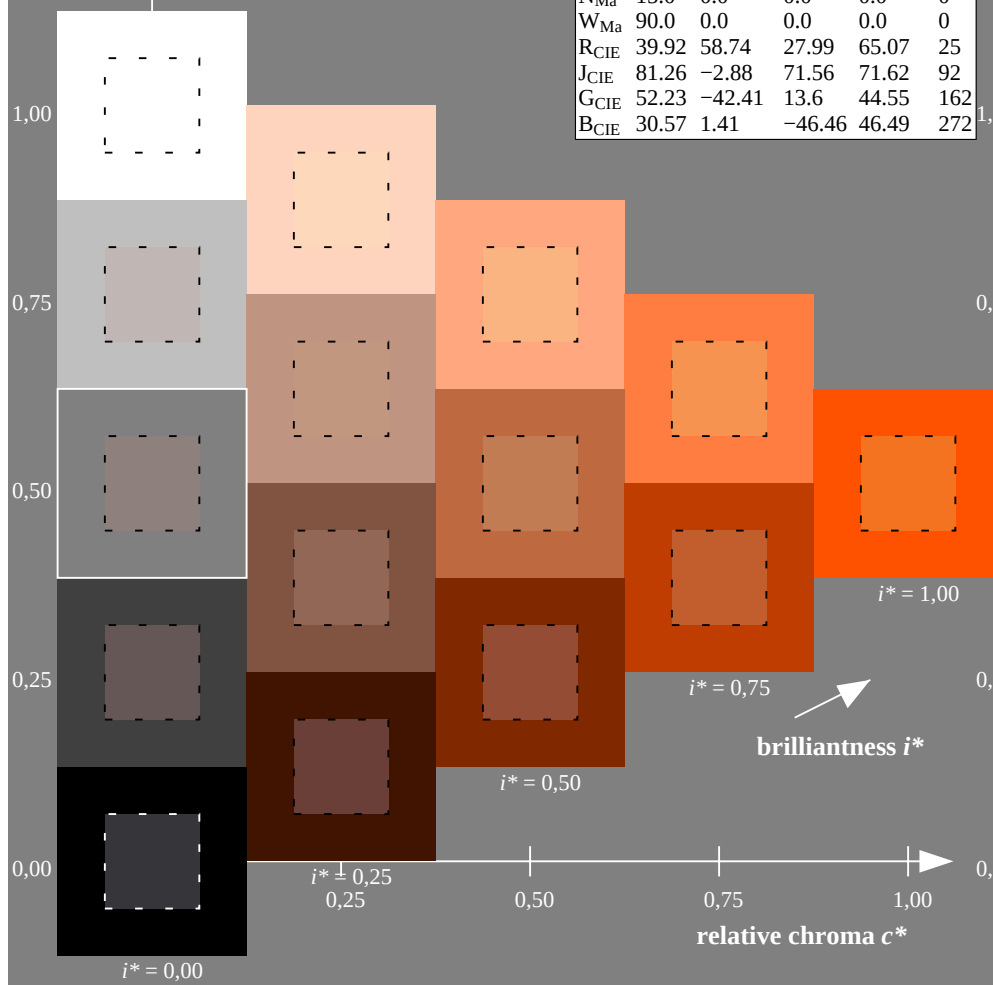
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

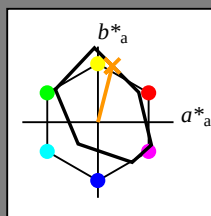
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

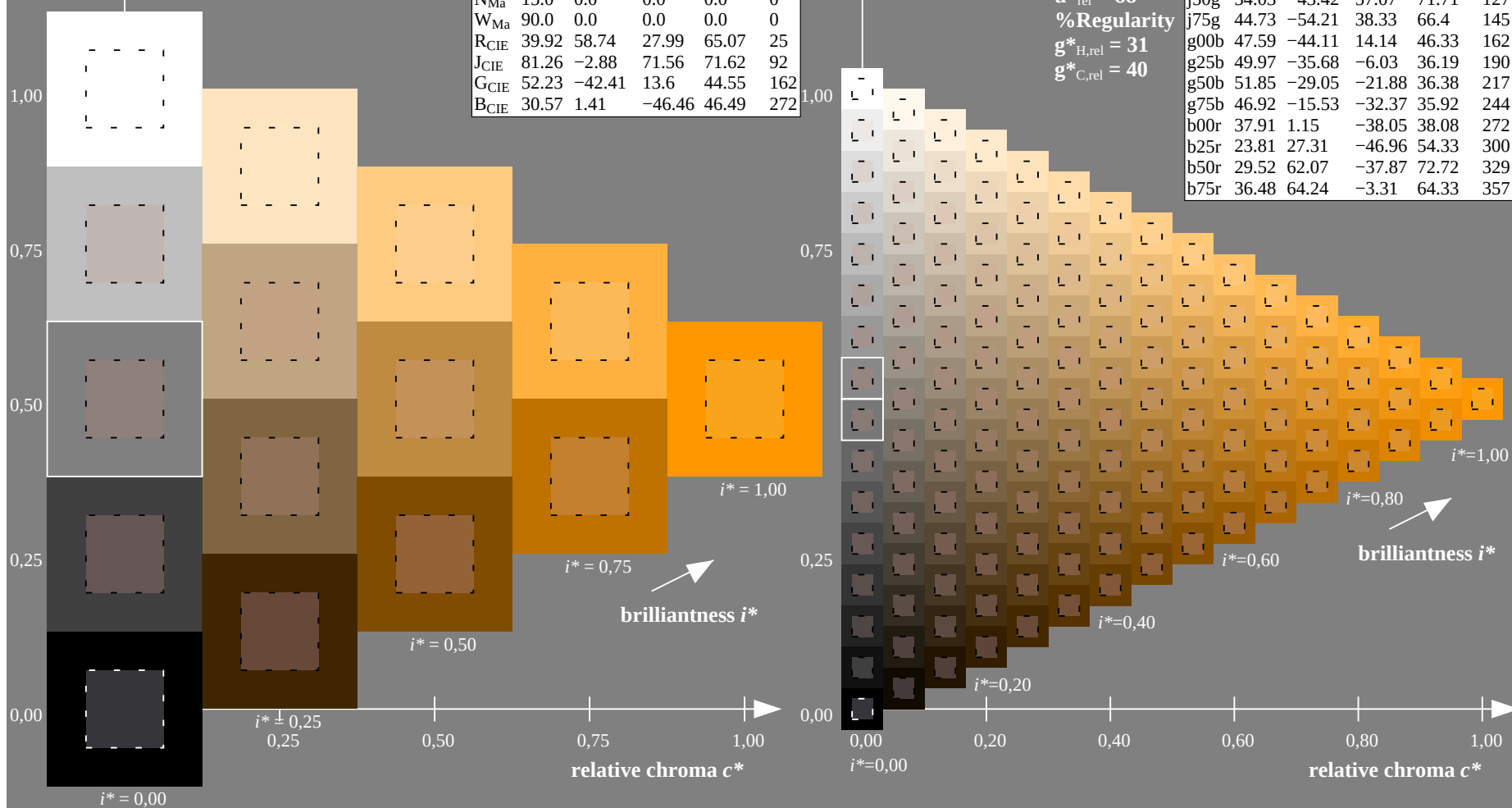
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

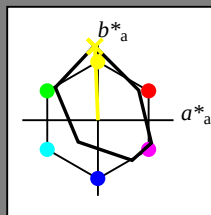
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

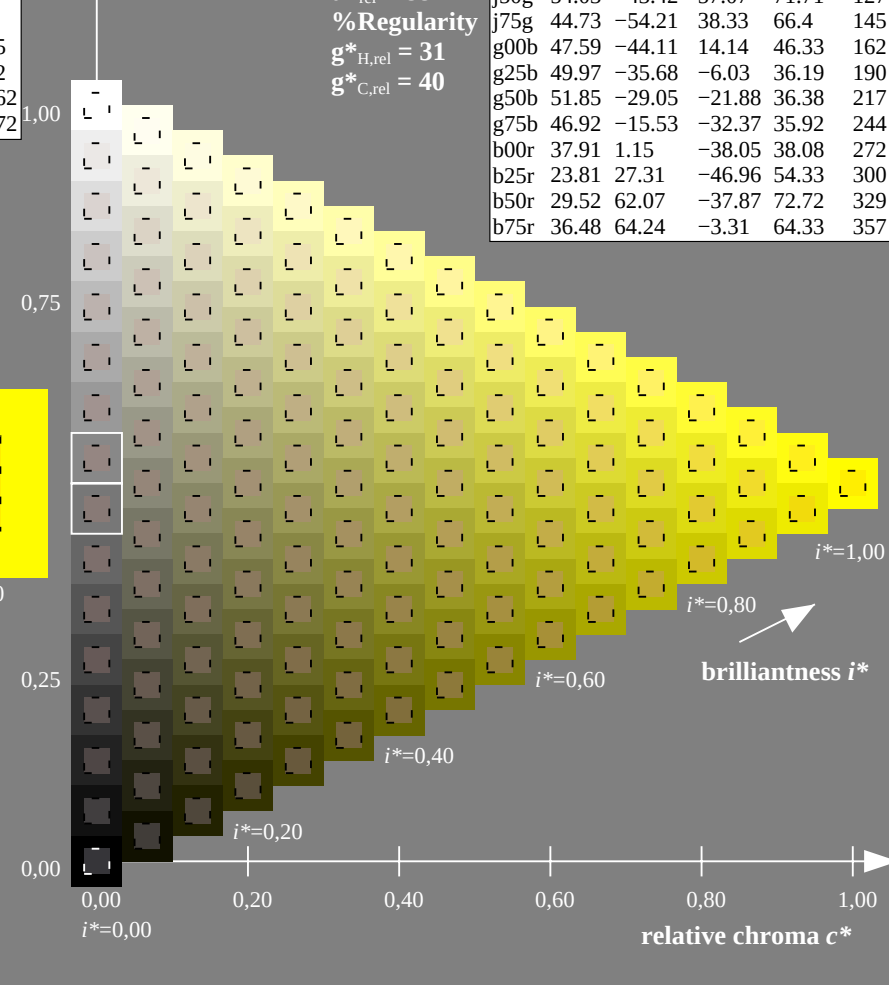
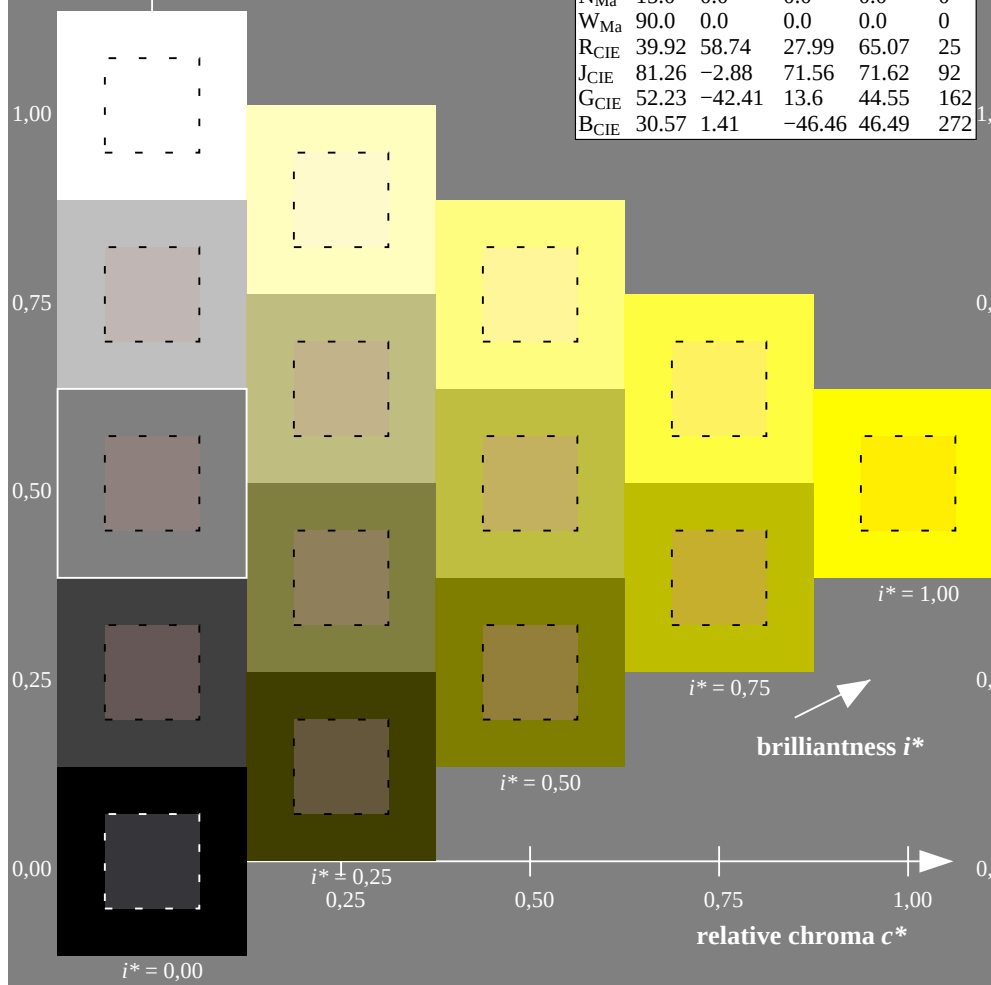
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r20j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

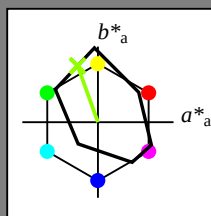
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

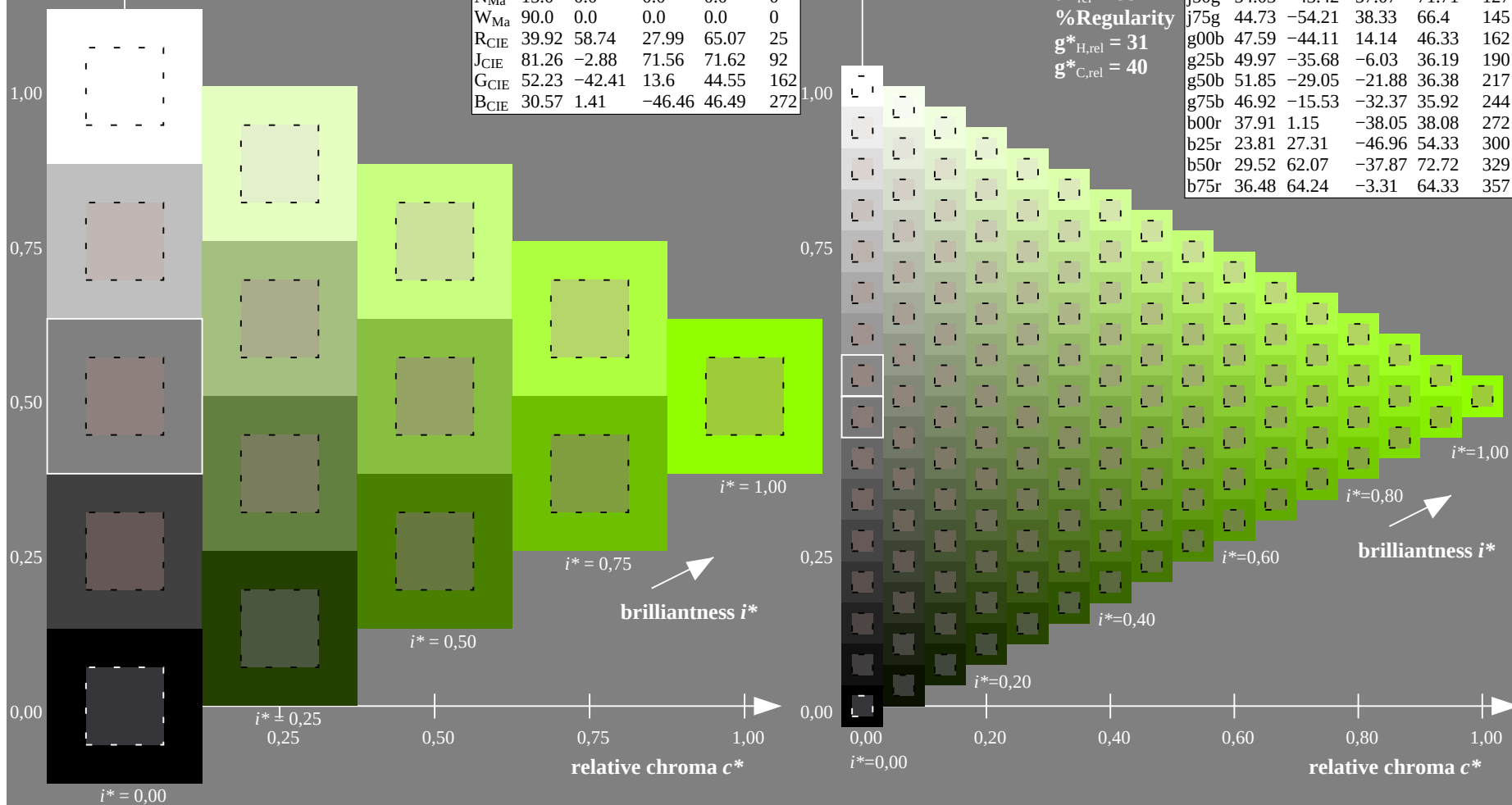
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

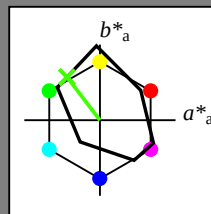
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

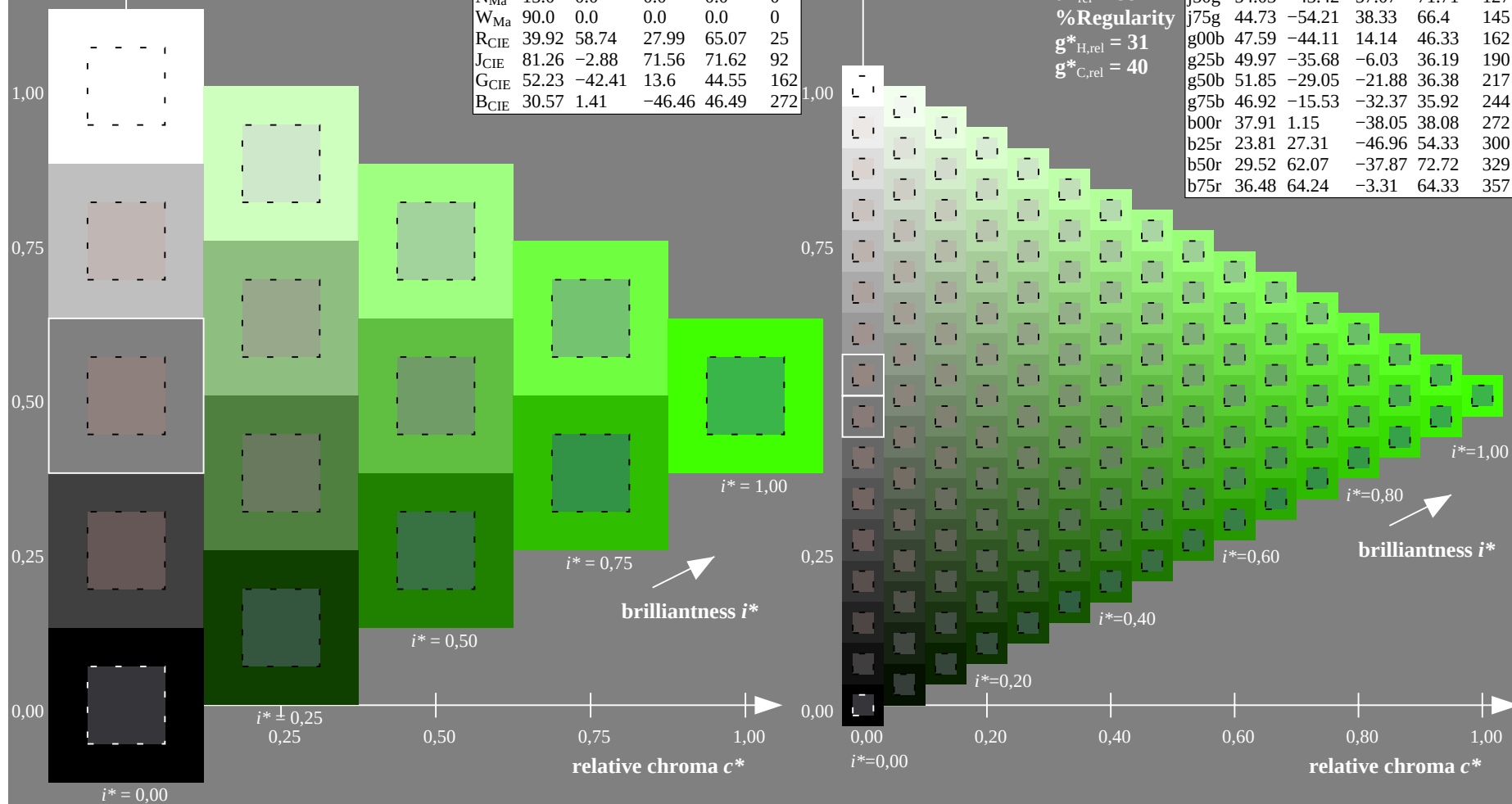
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

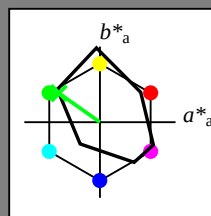
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

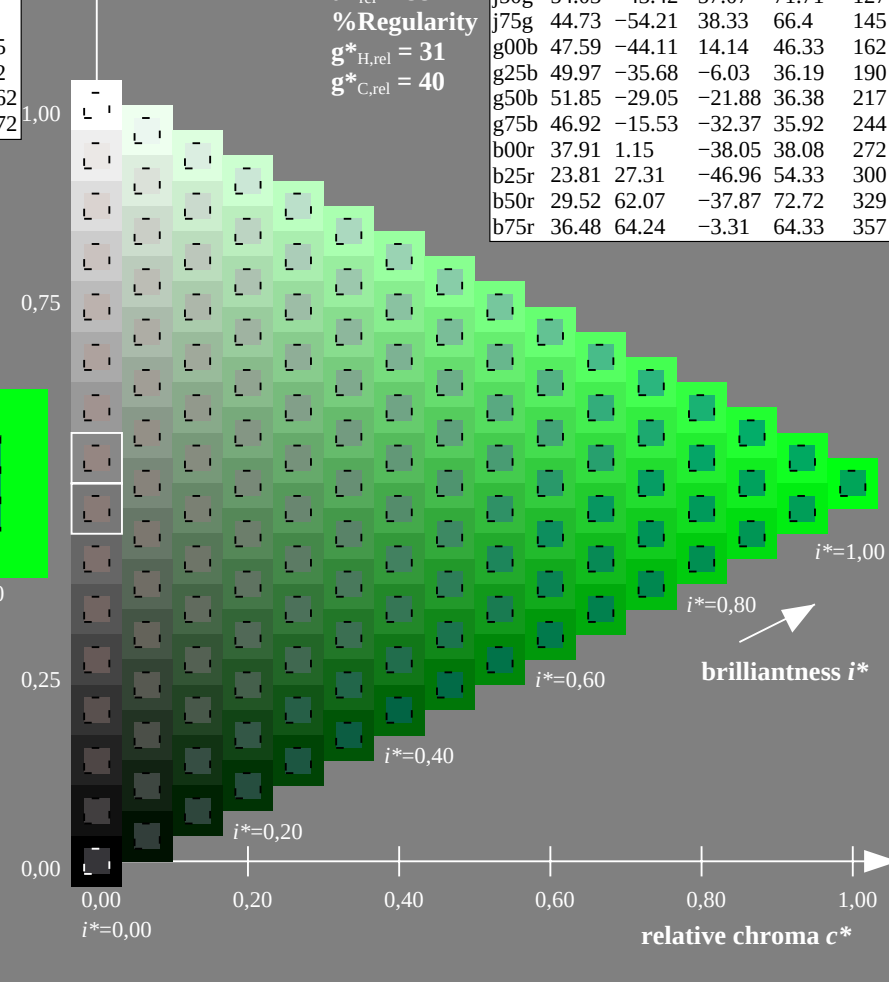
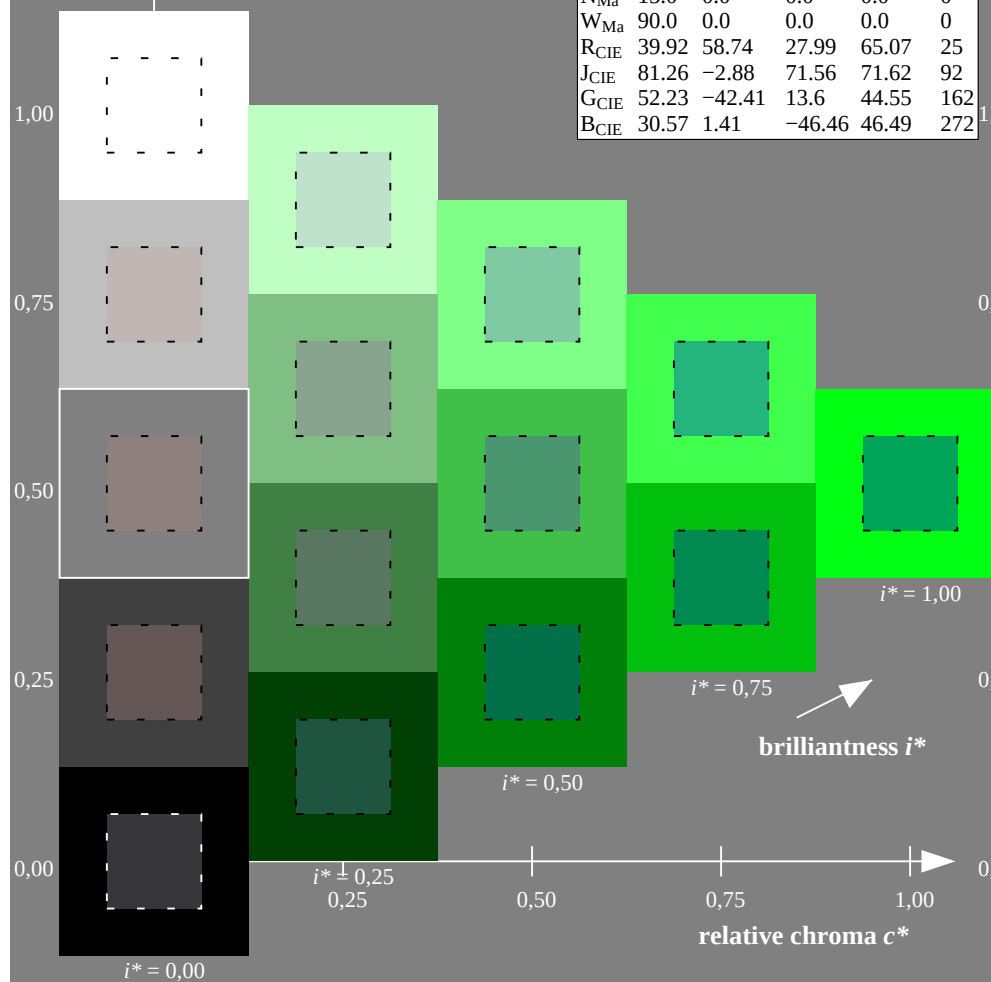
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

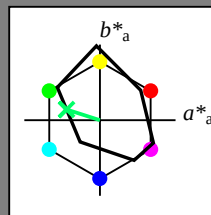
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

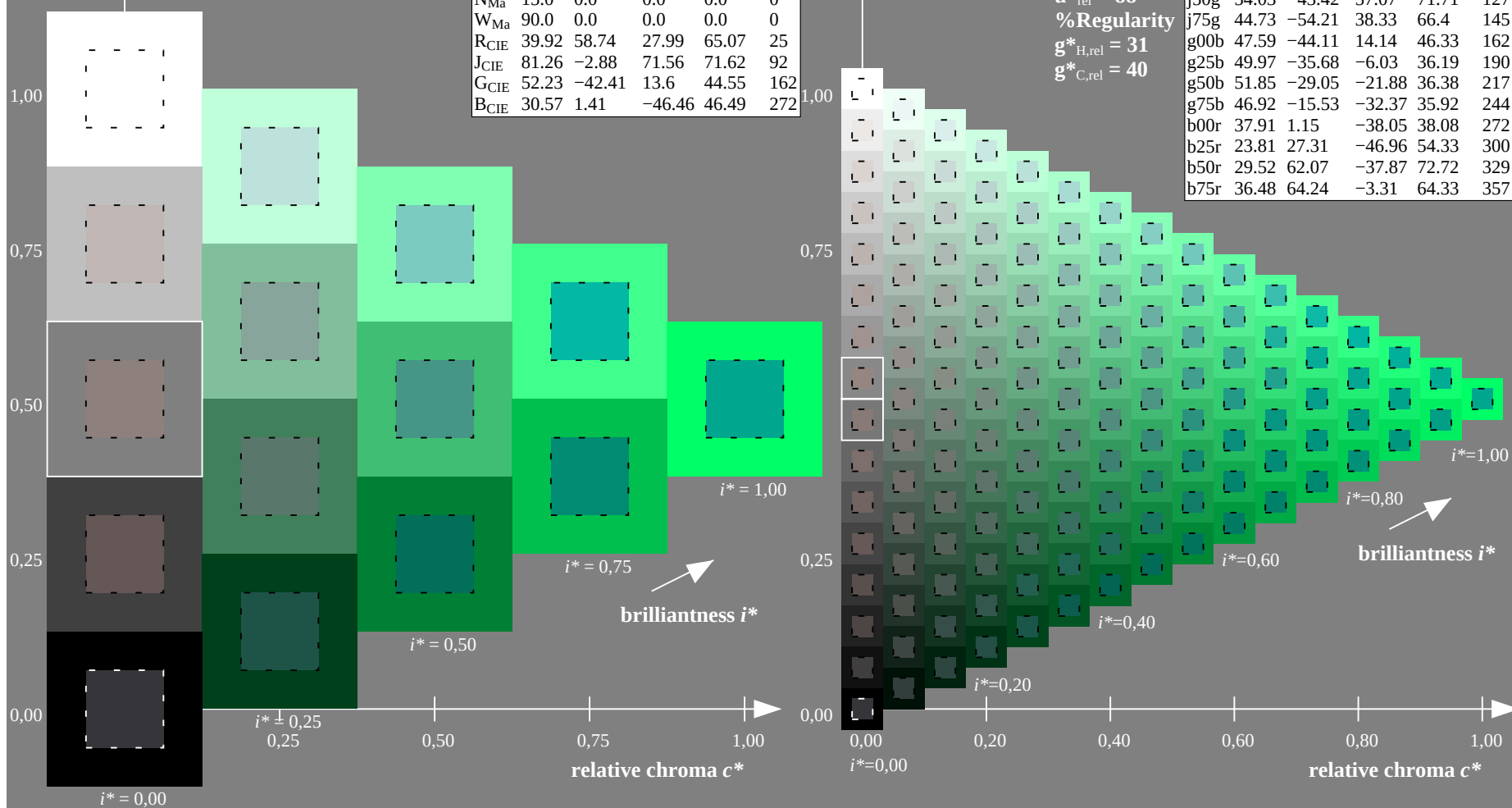
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

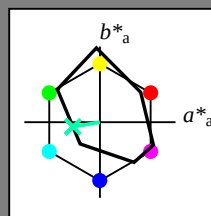
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

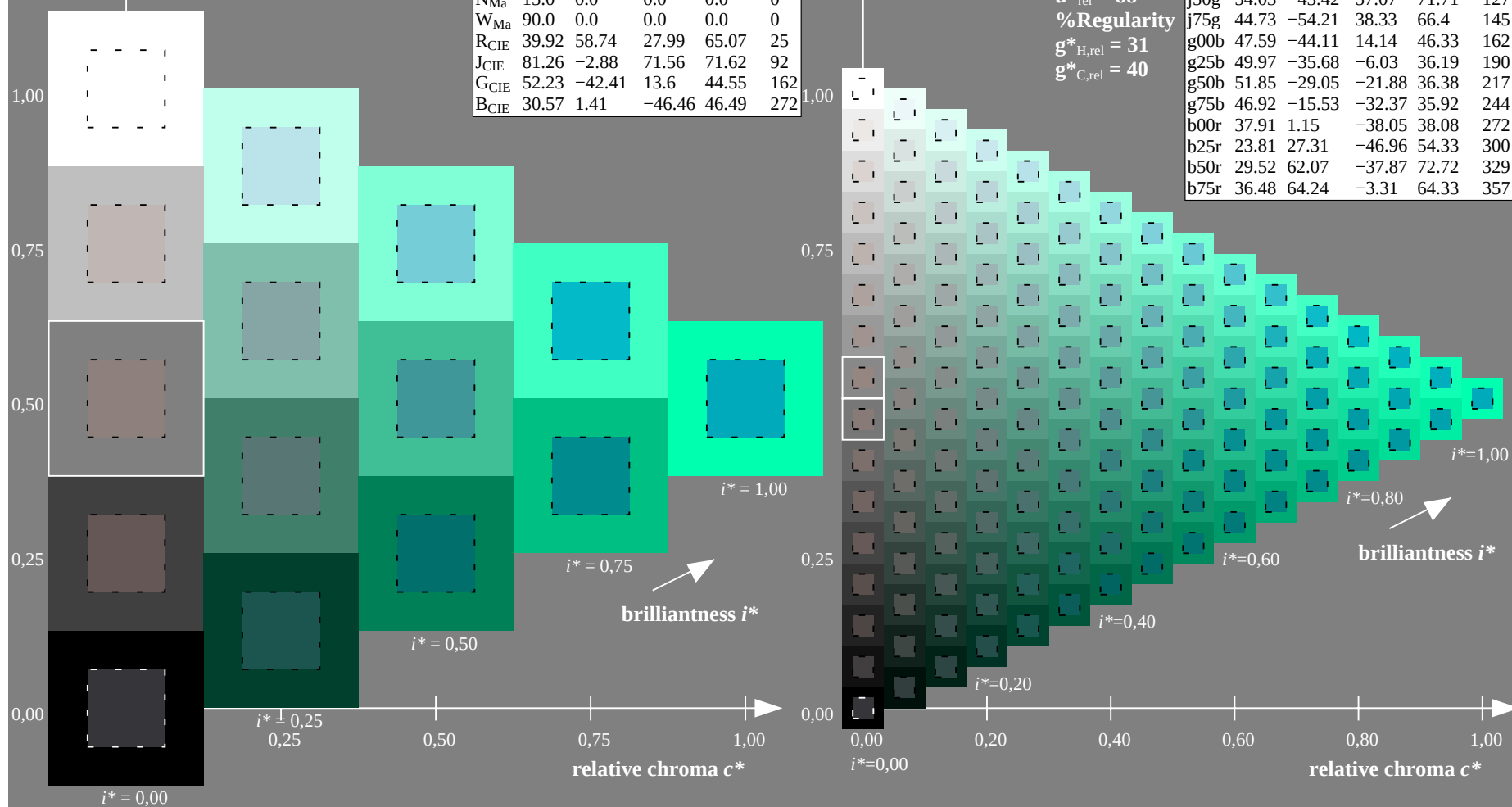
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

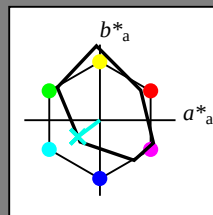
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

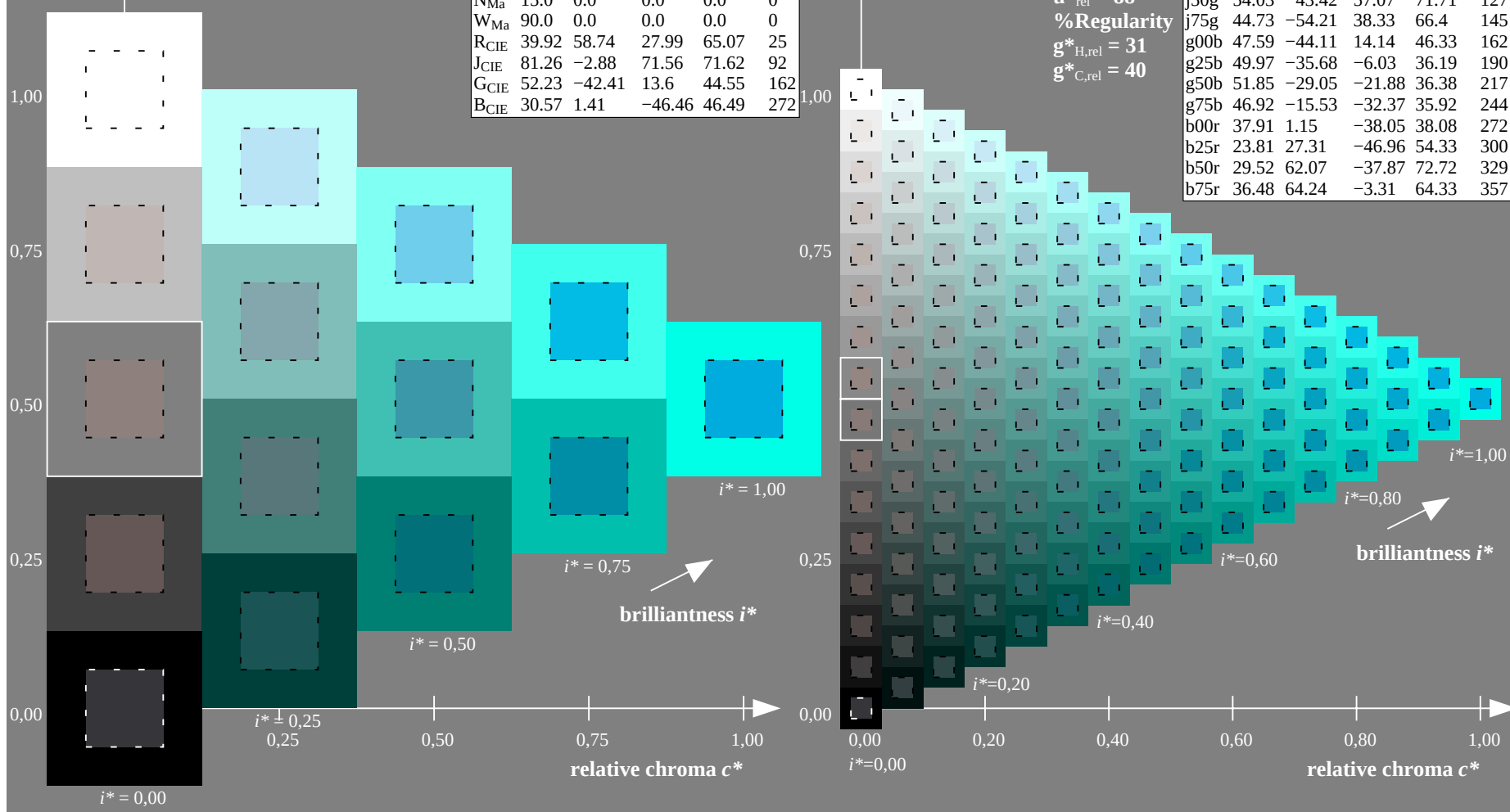
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

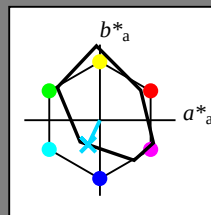
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

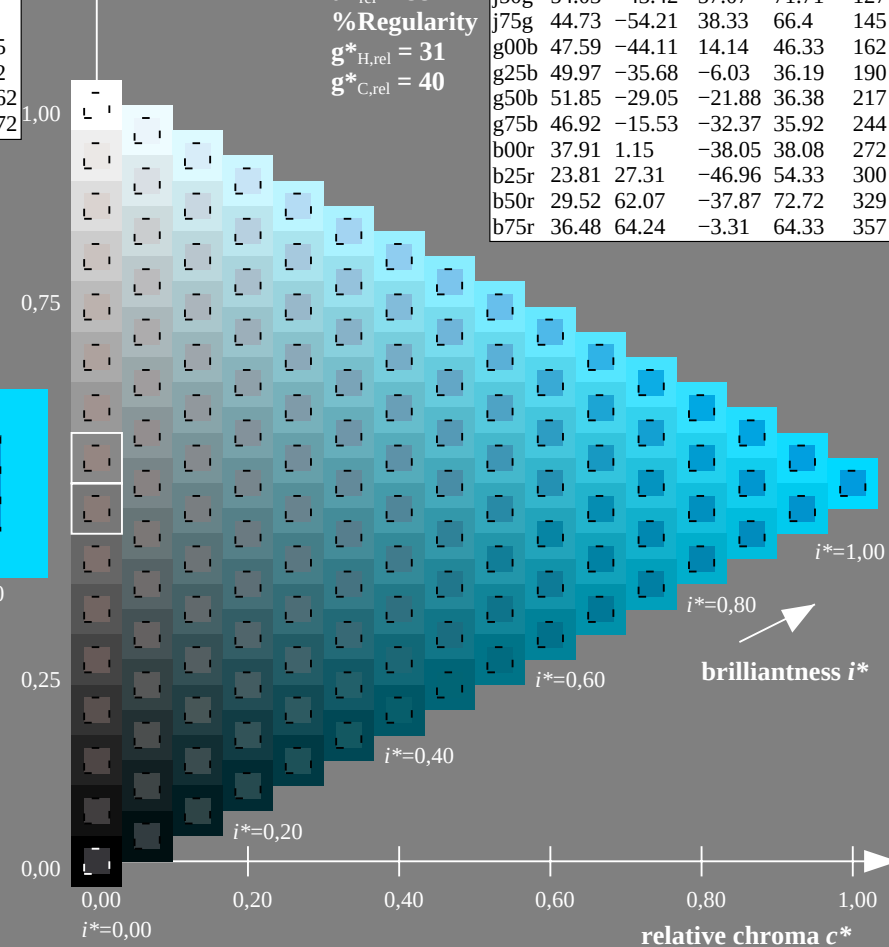
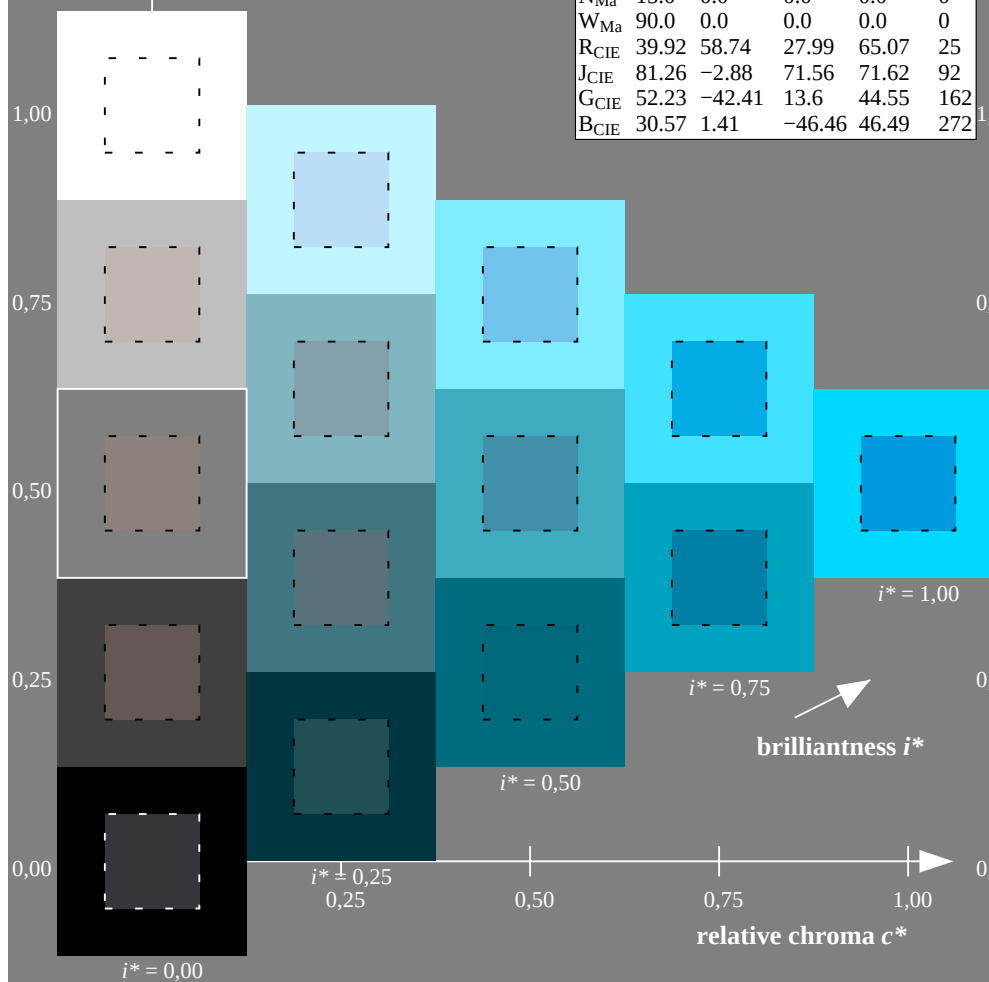
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

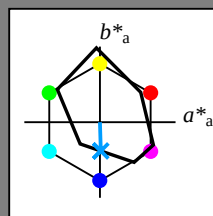
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -37

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

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

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

triangle lightness t^*

%Gamut

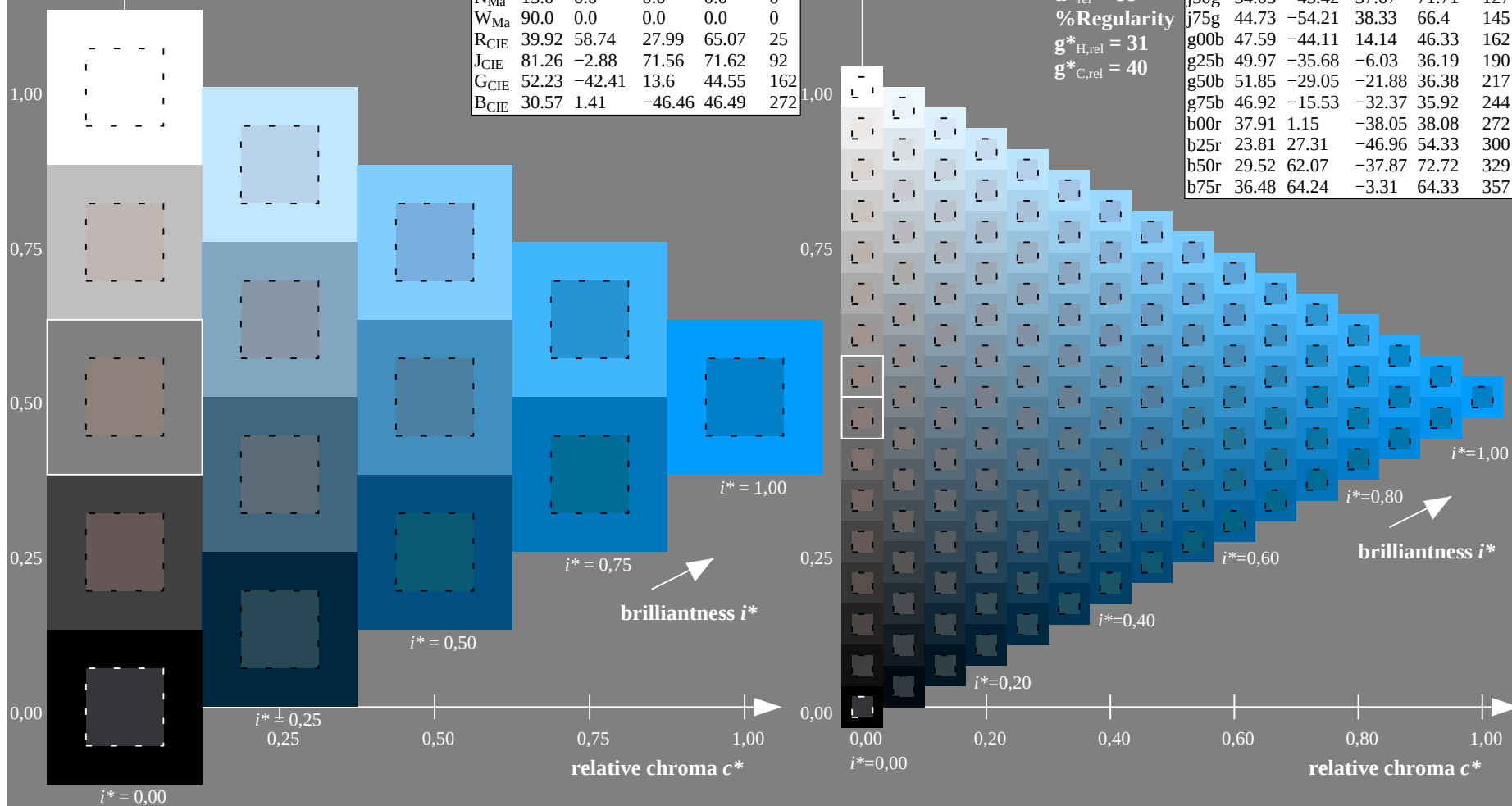
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

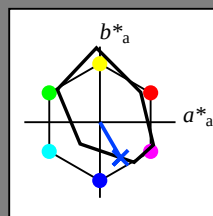
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

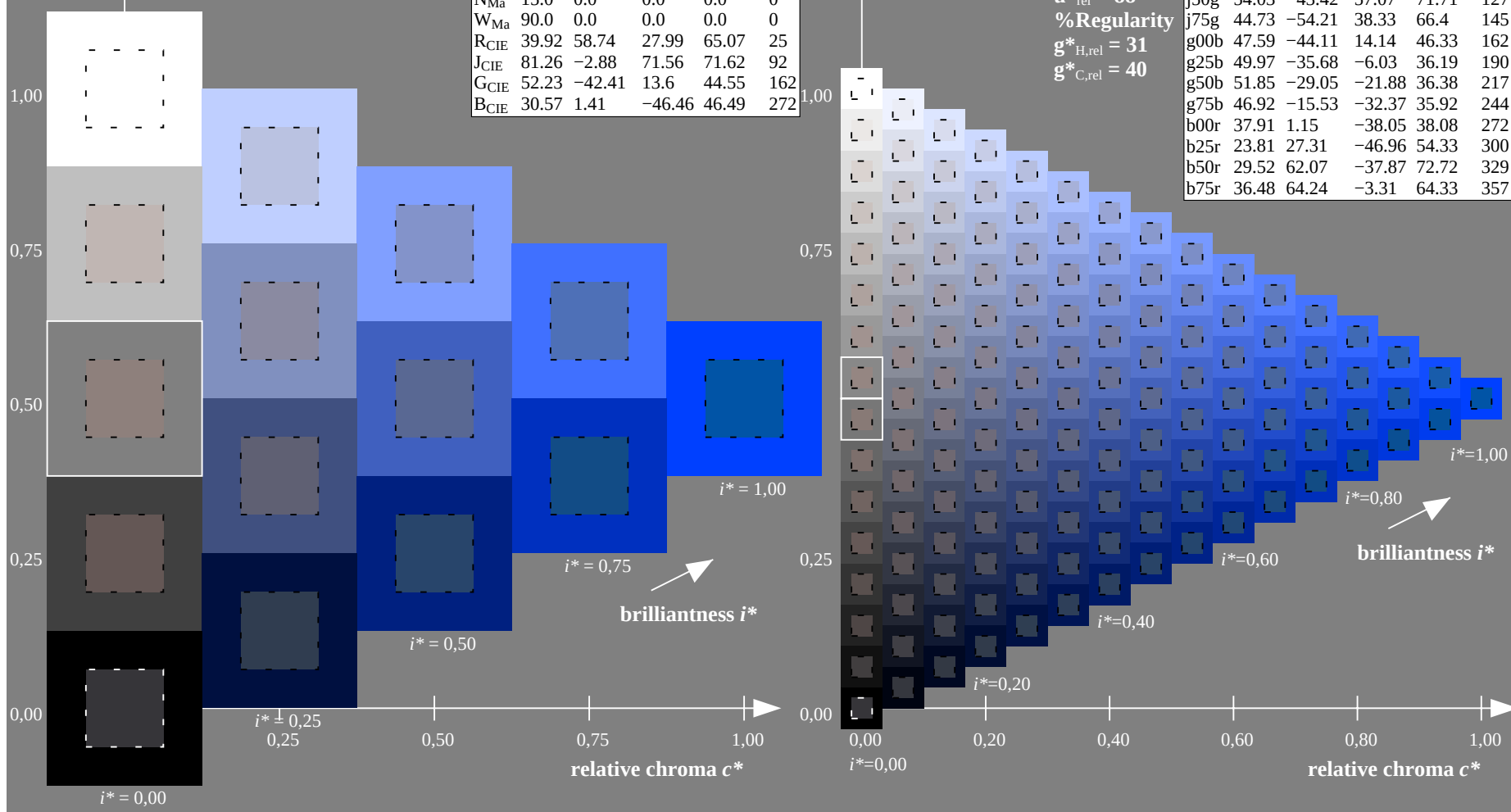
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

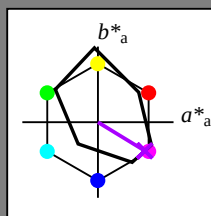
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

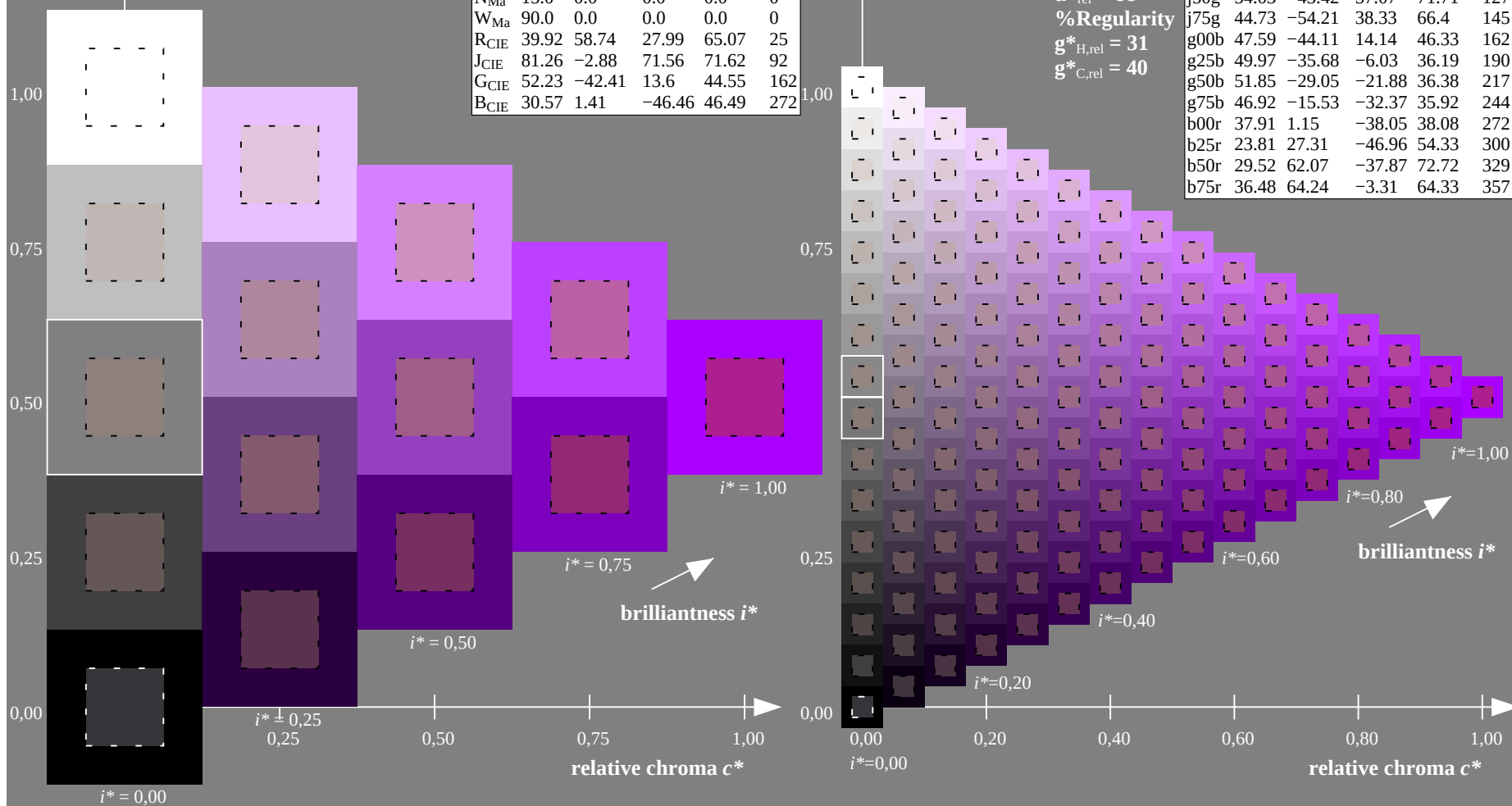
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

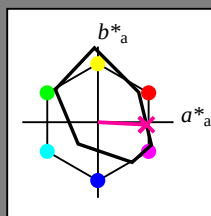
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

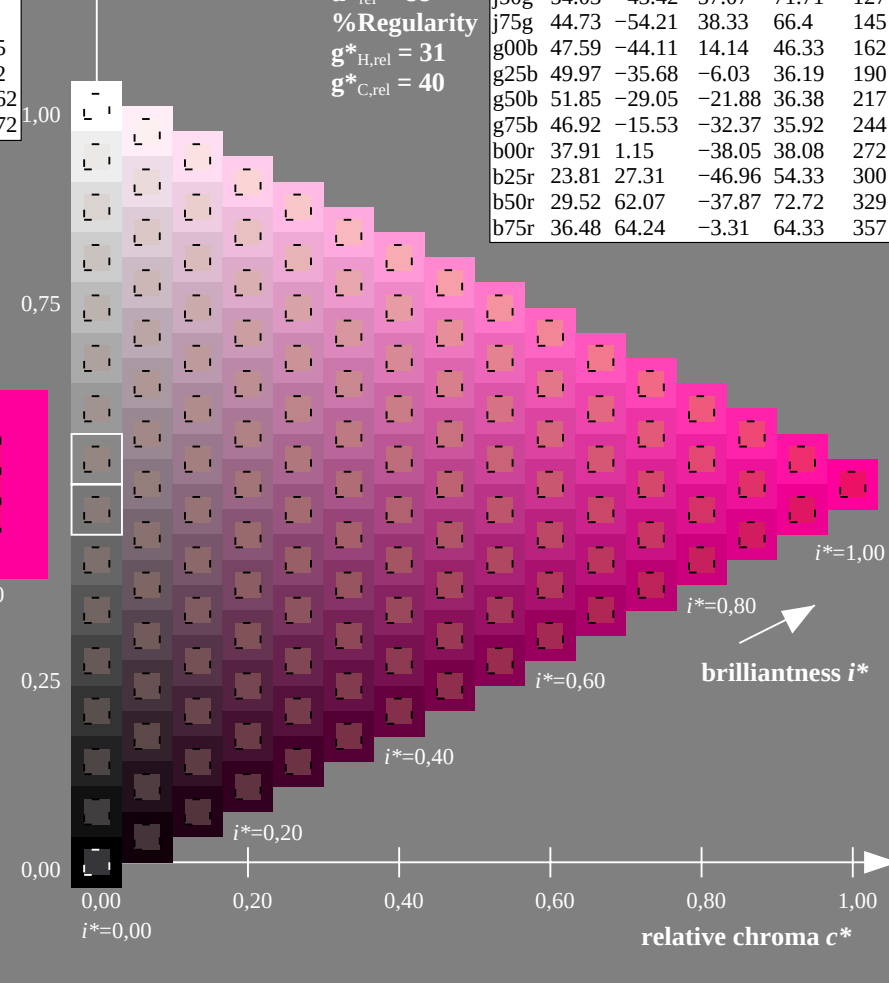
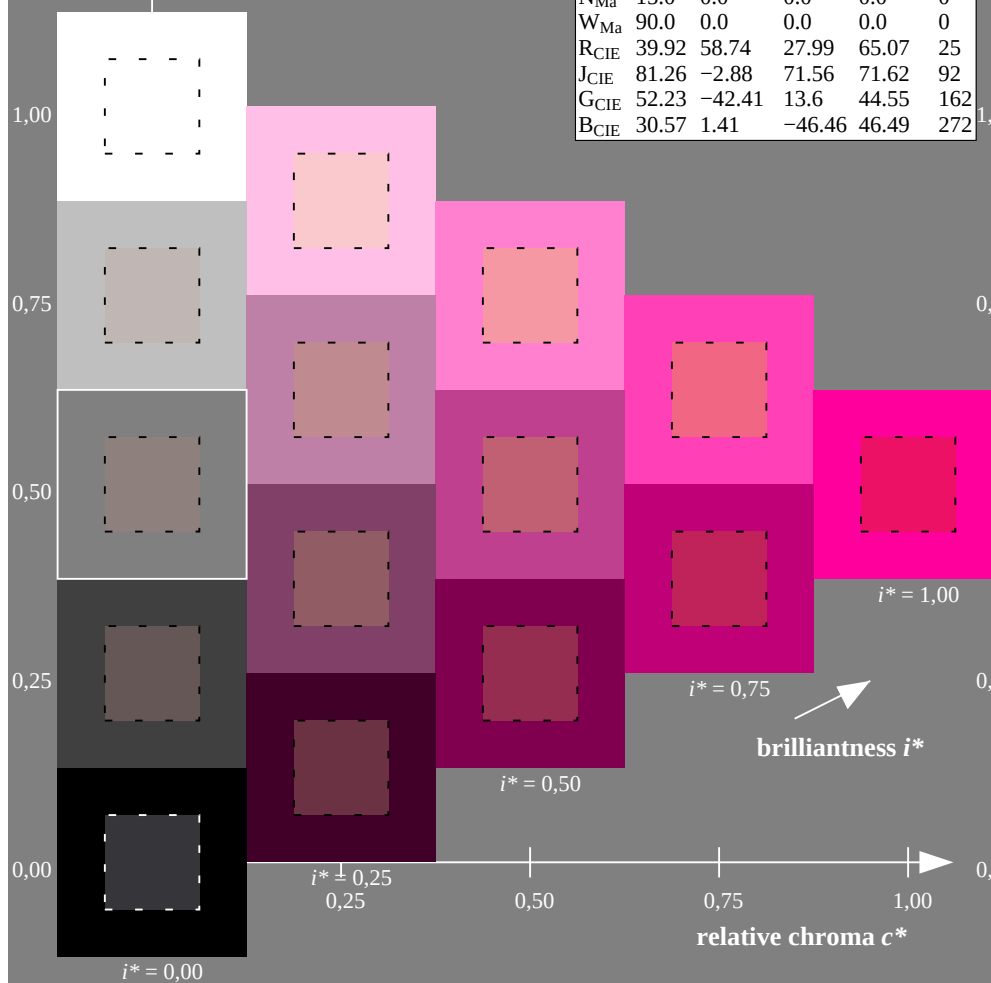
%Regularity

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

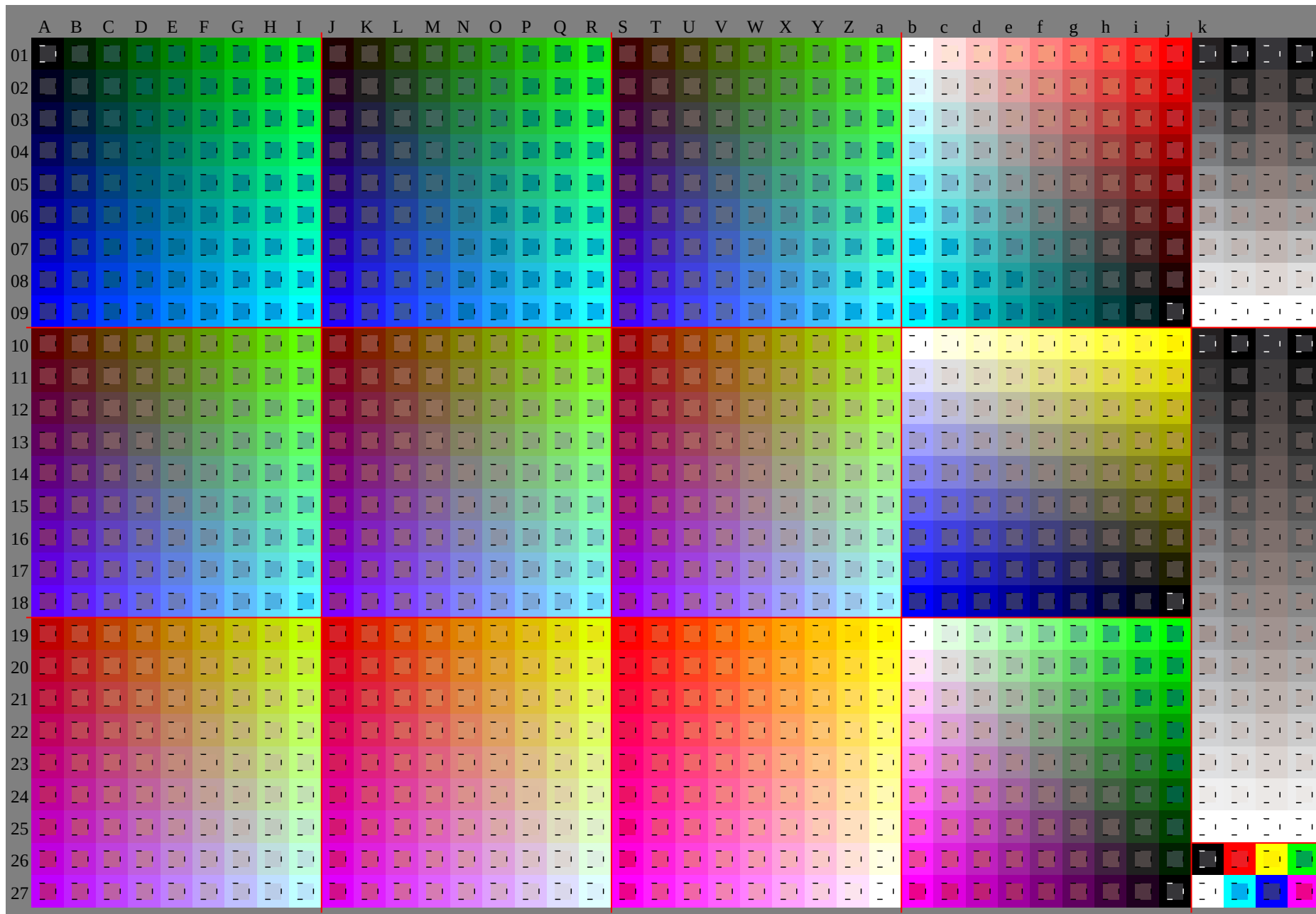
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

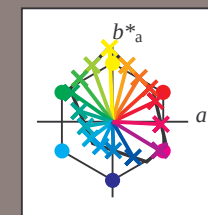


See for similar files: <http://www.ps.bam.de/De93/>; www.ps.bam.de/De93/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0



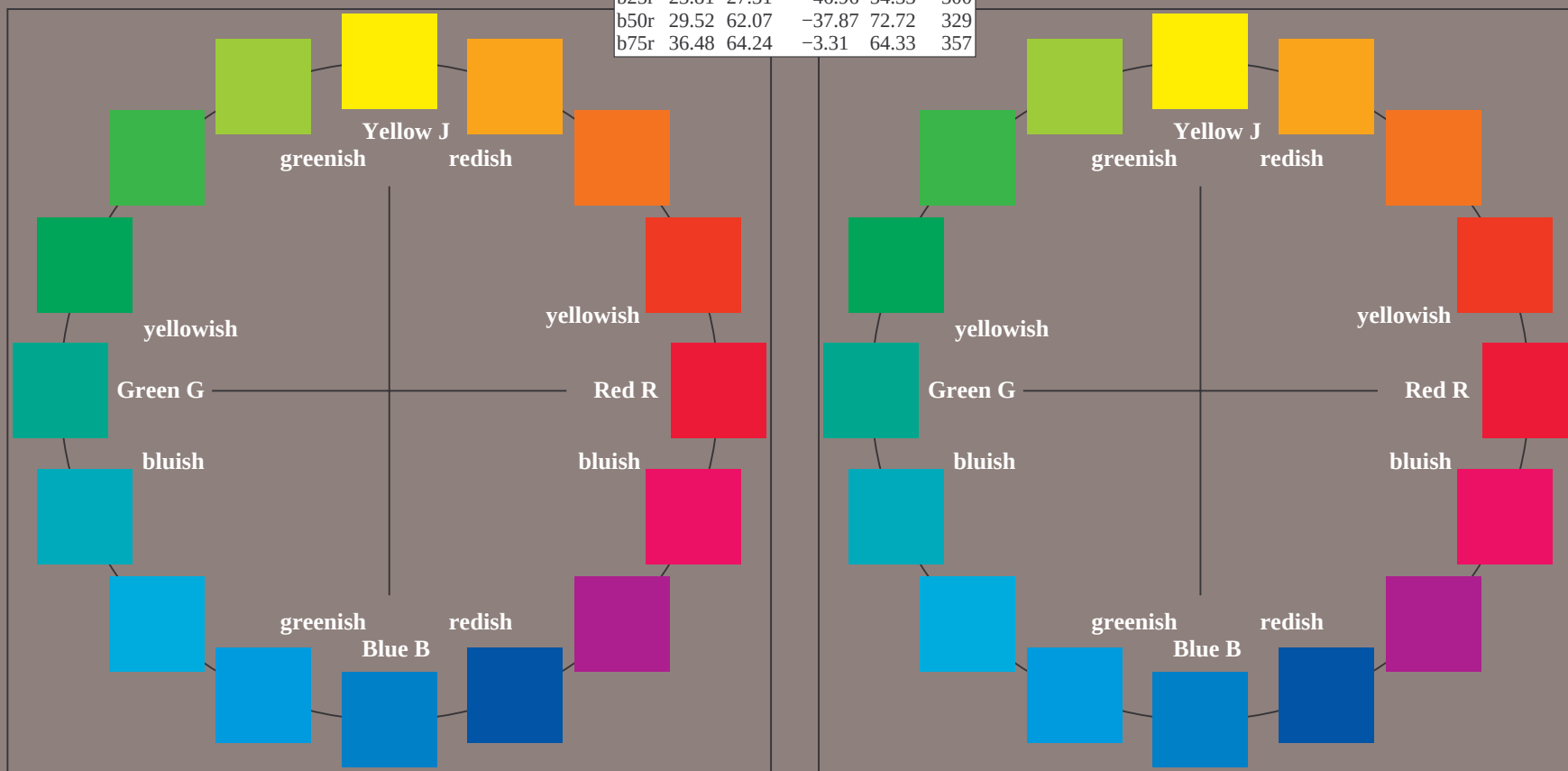
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^{*}_{rel} = 88$
%Regularity
 $g^{*}_{H,rel} = 31$
 $g^{*}_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

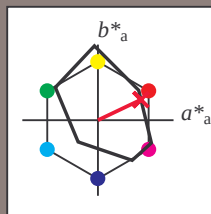
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

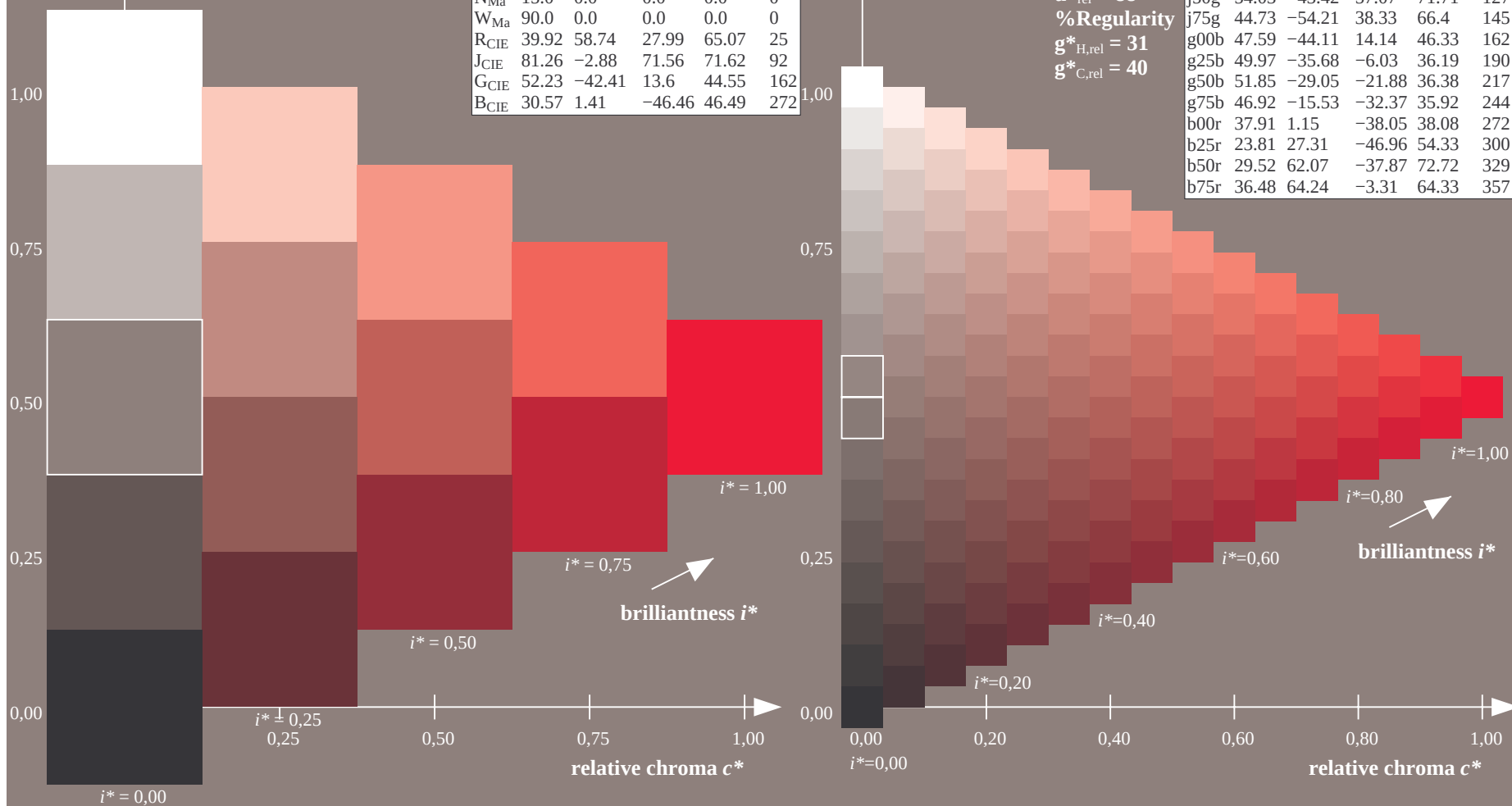
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

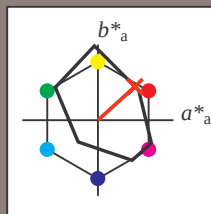
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

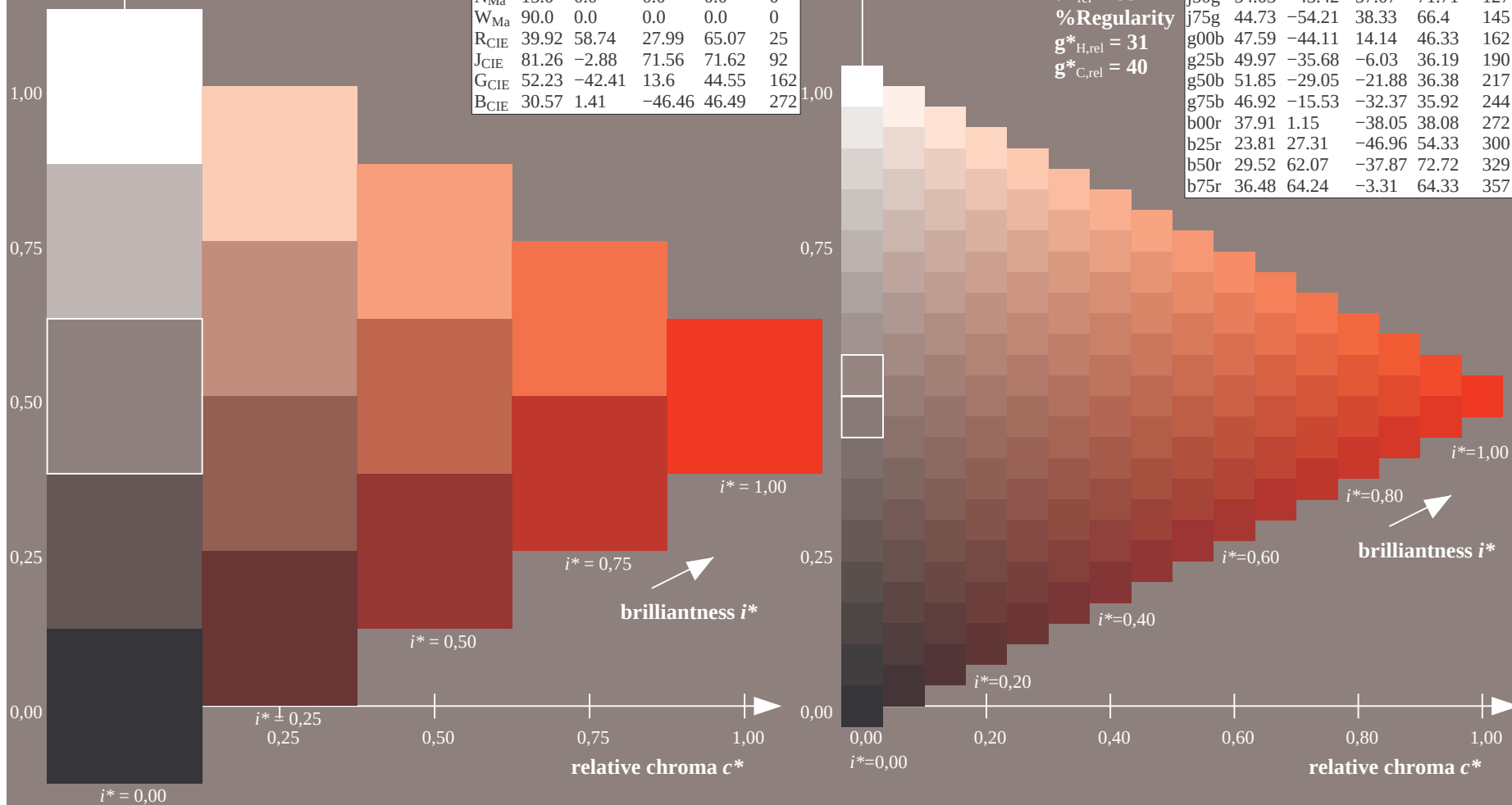
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

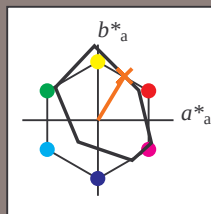
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

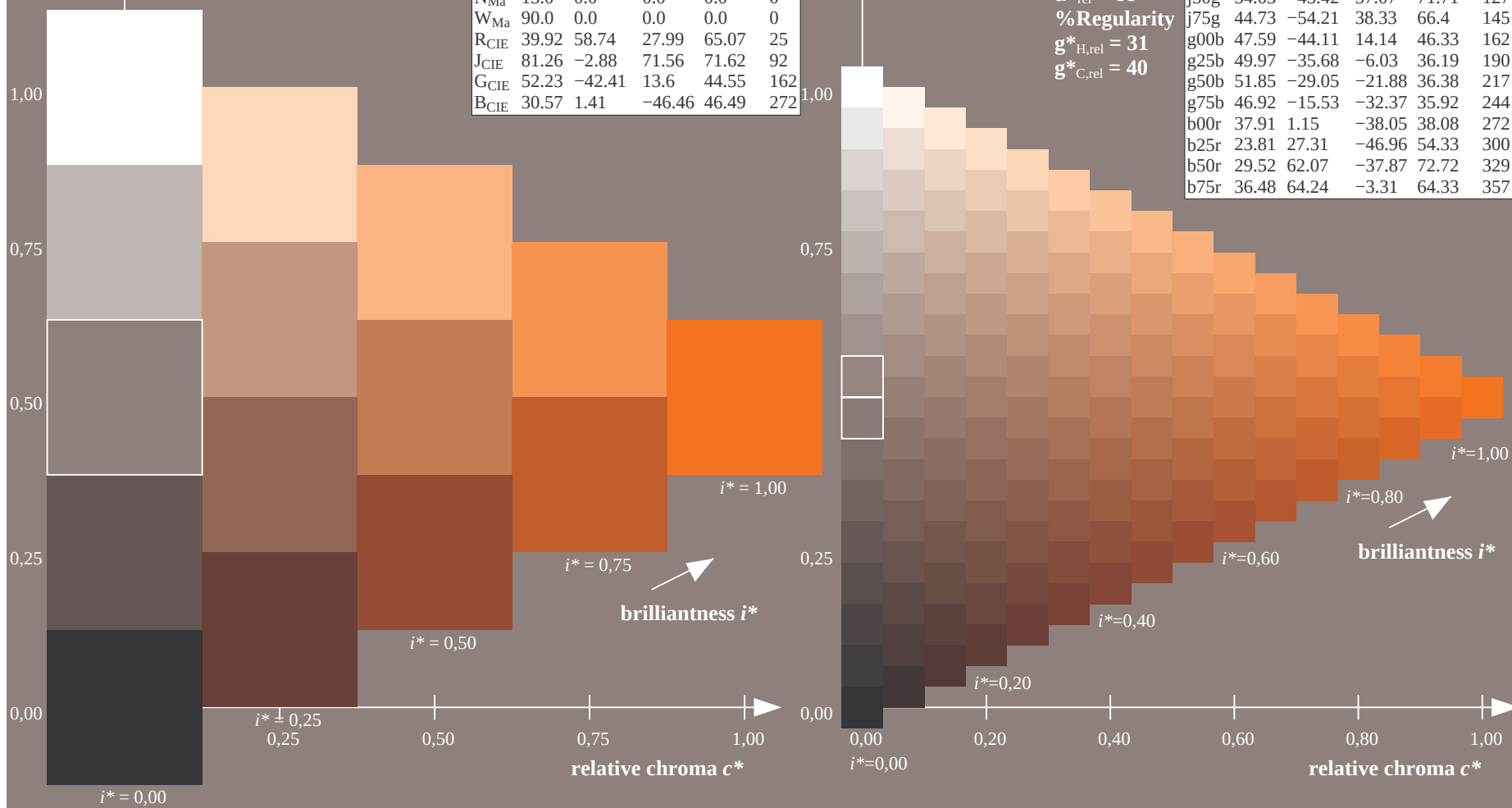
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

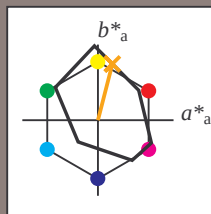
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

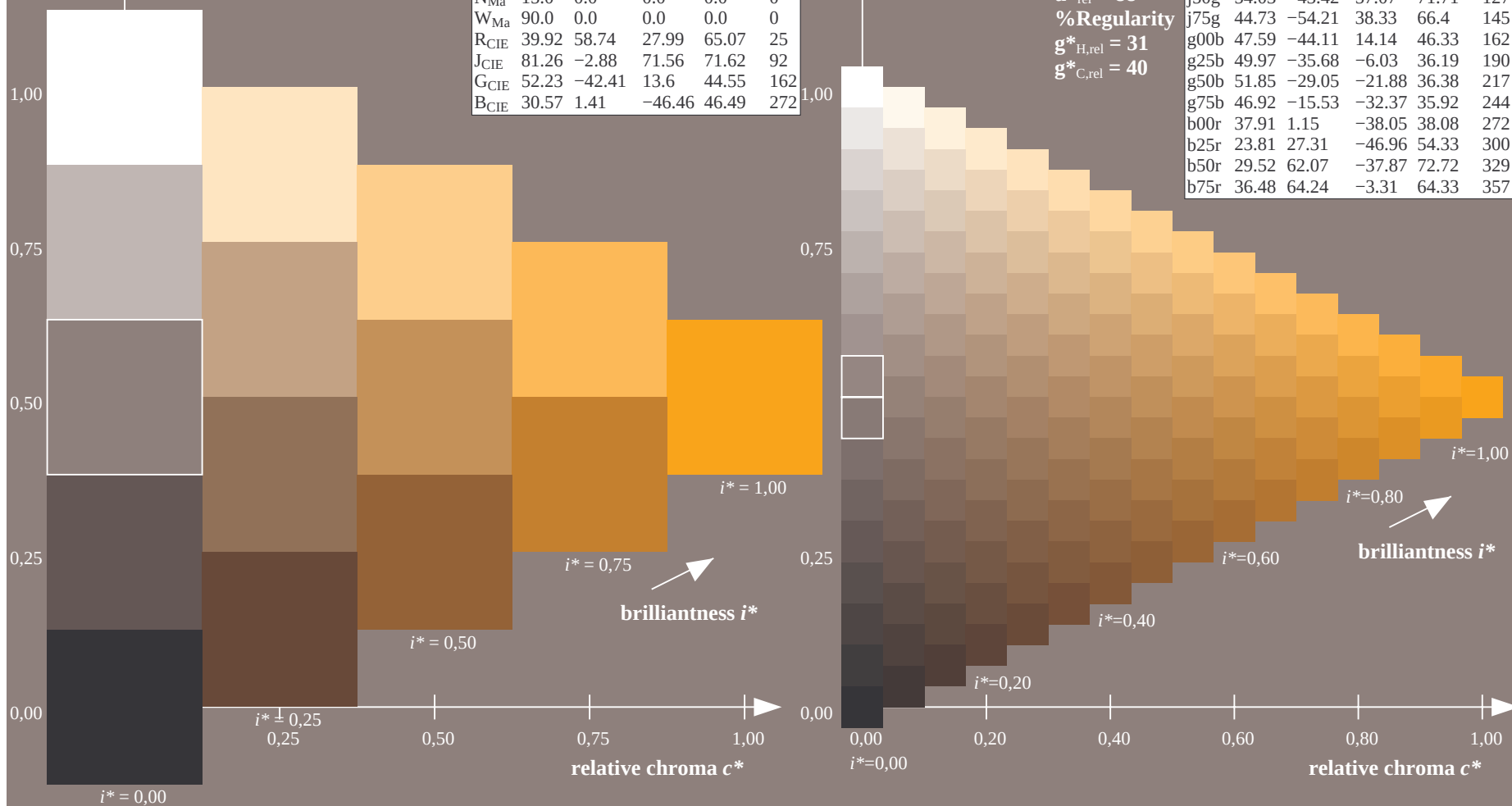
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

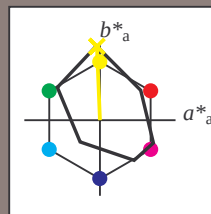
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

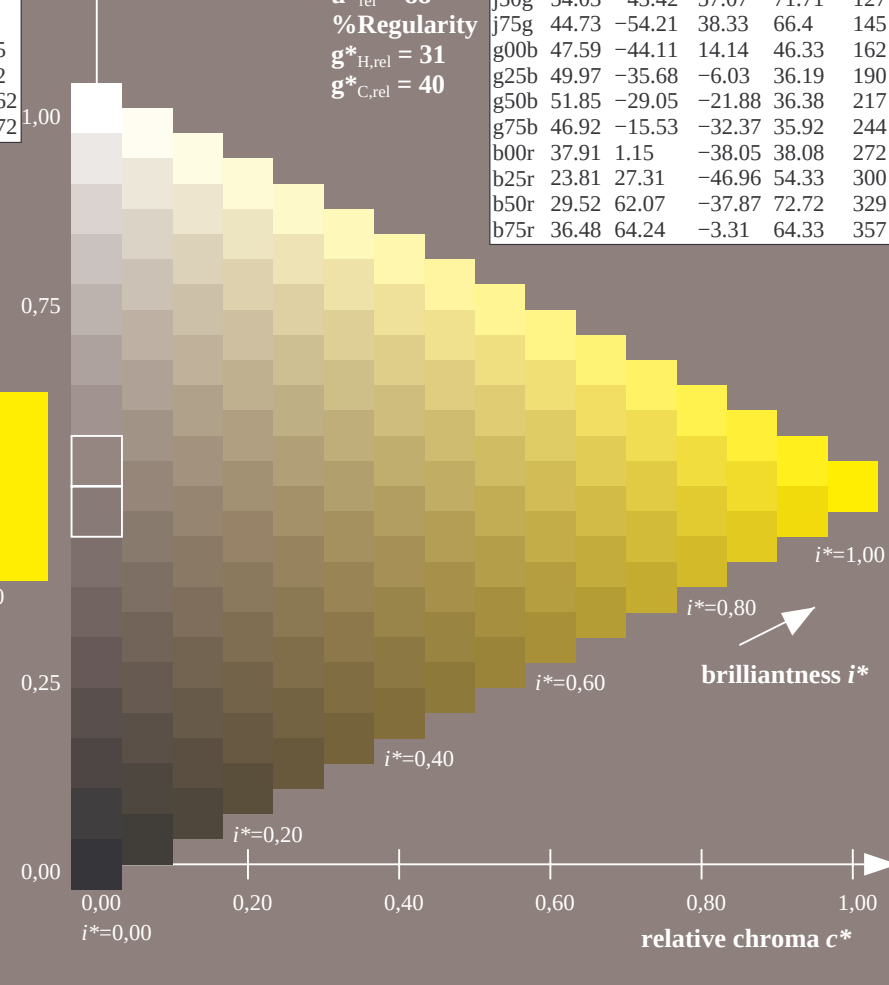
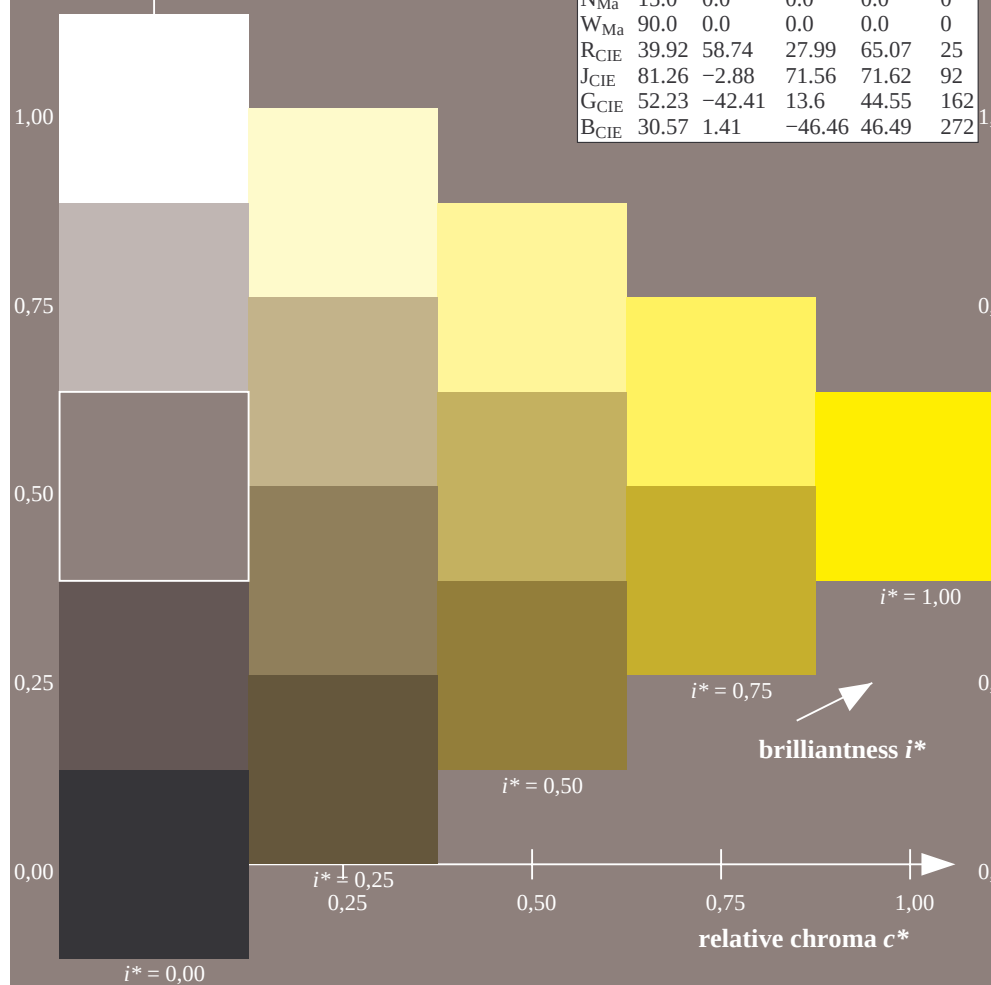
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

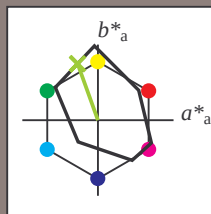
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

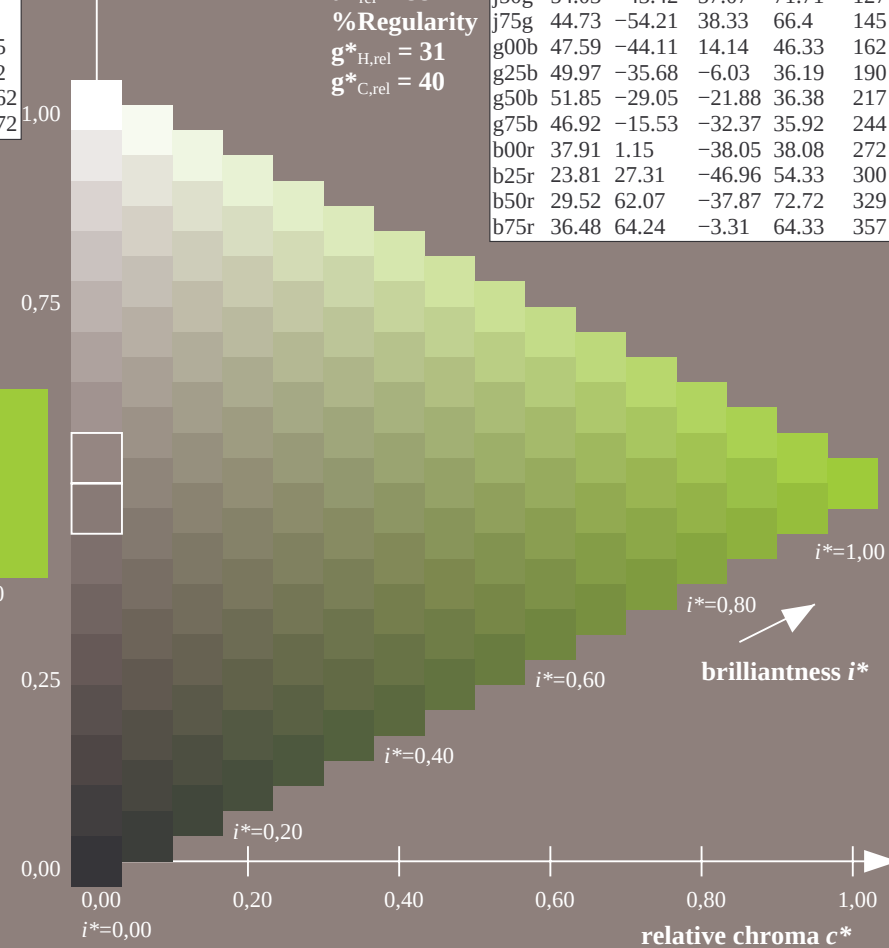
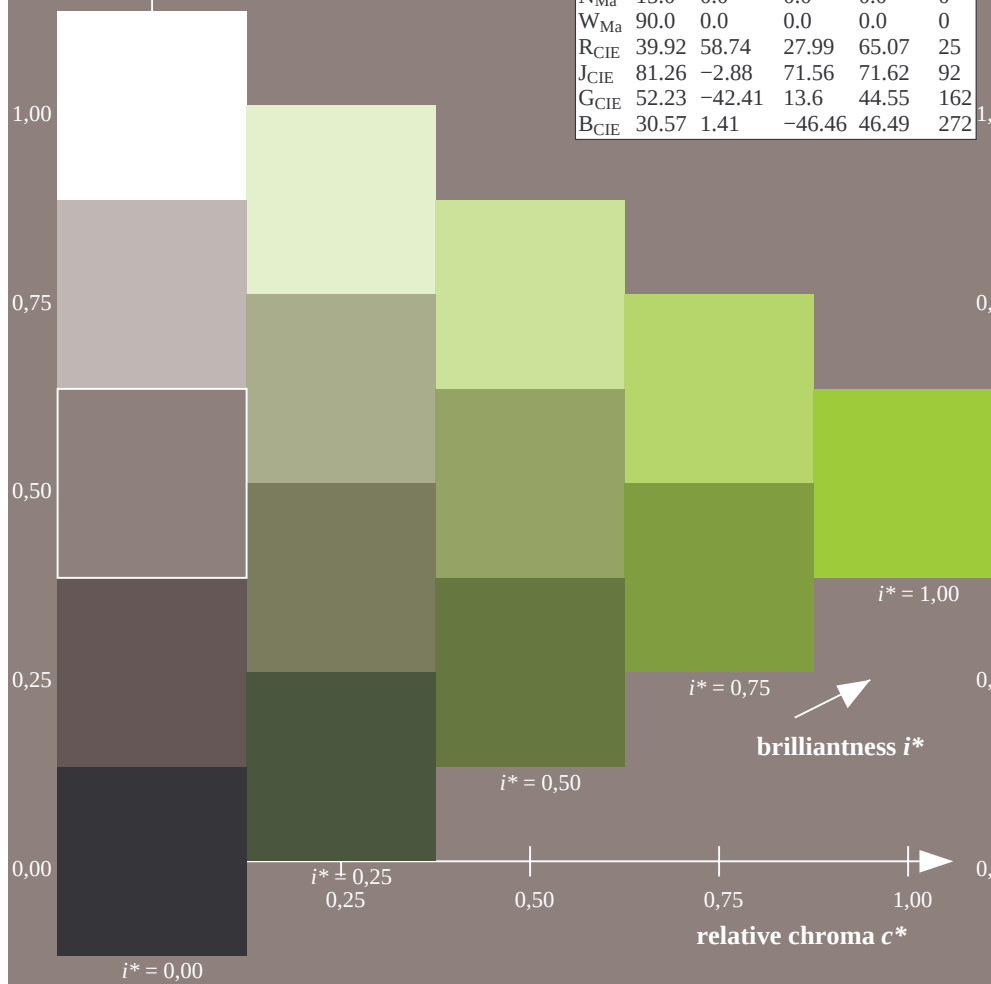
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

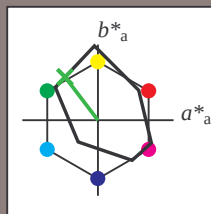
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

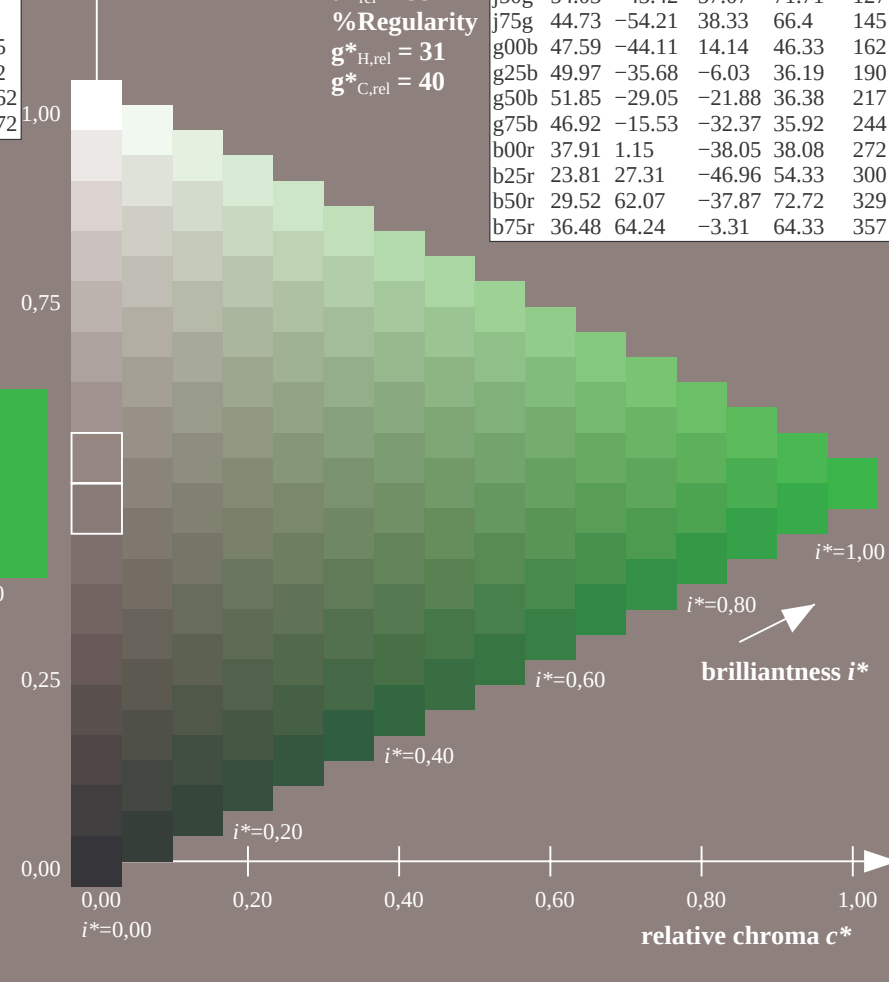
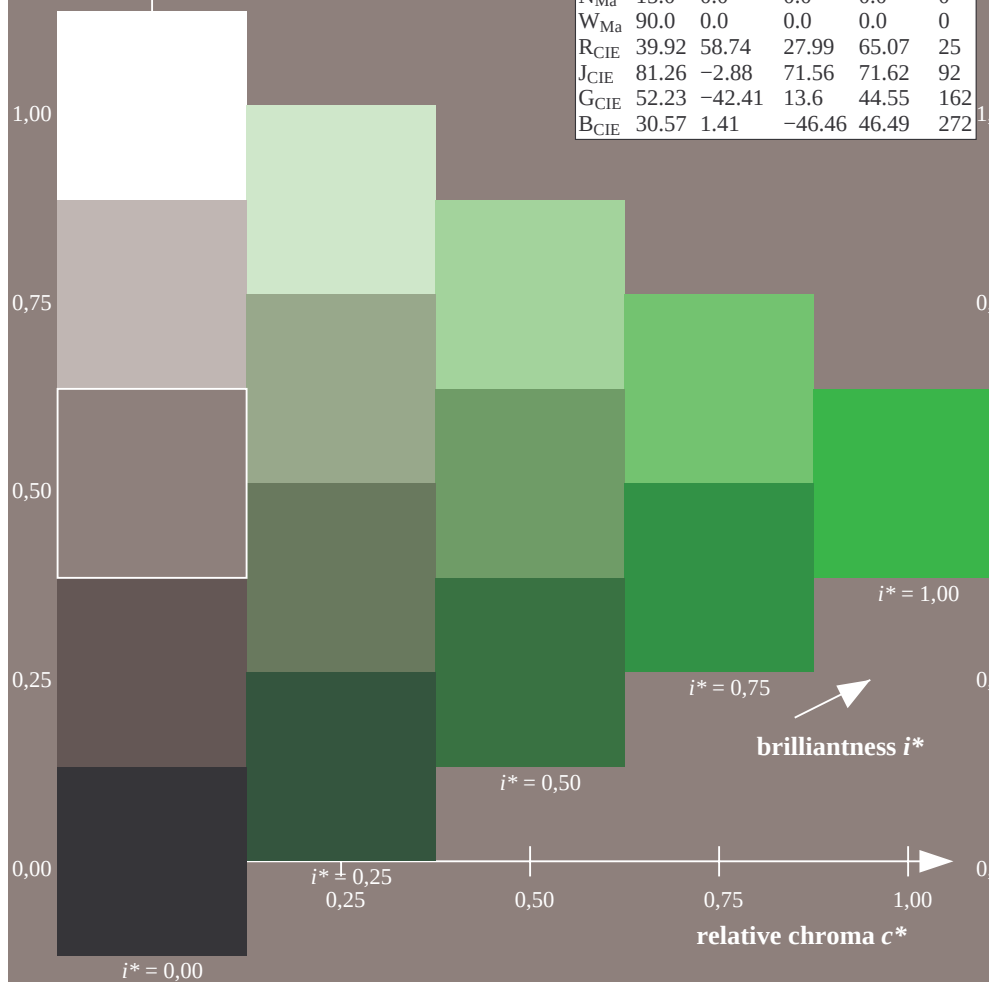
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

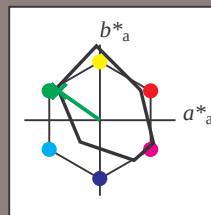
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

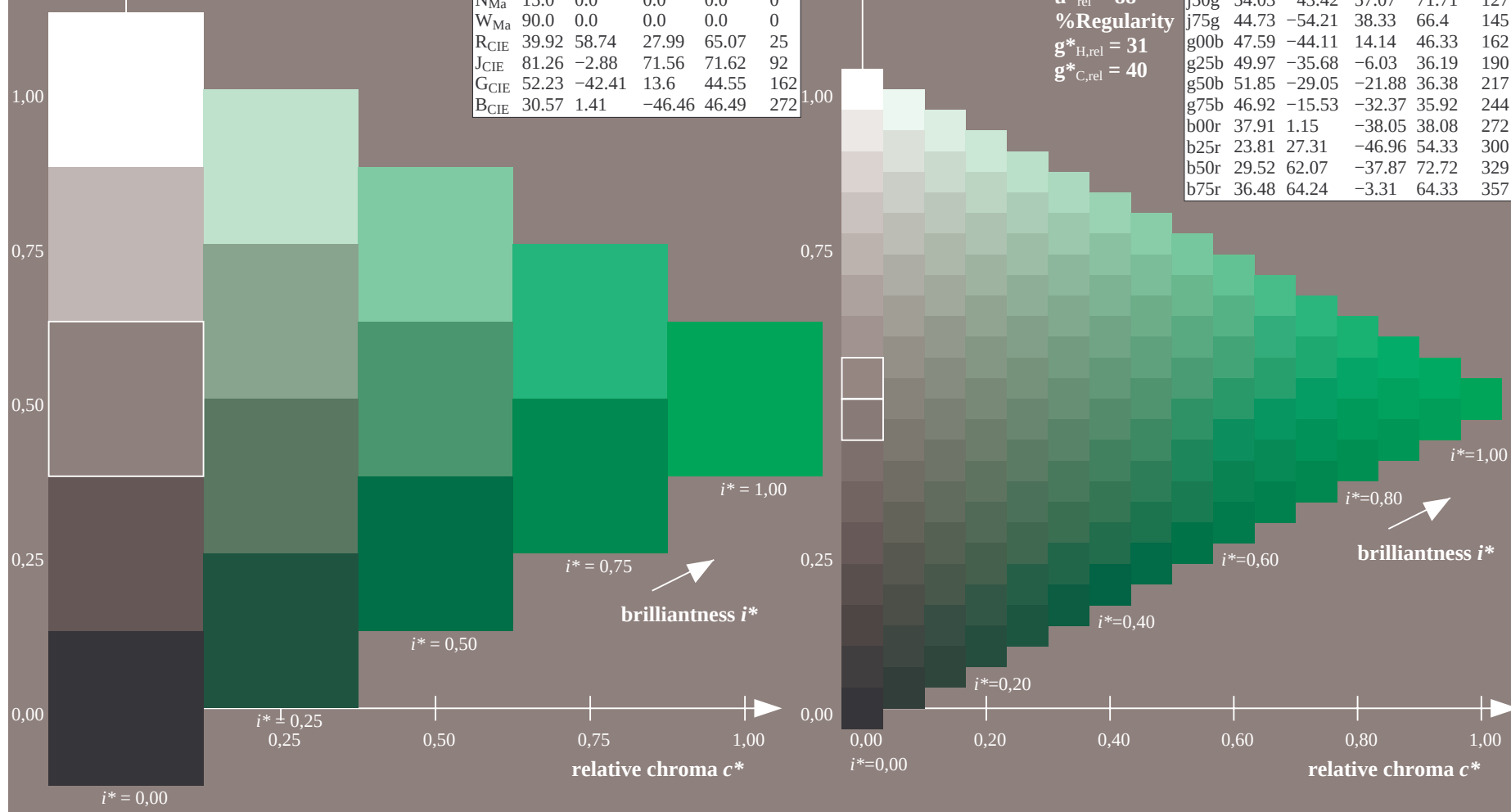
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

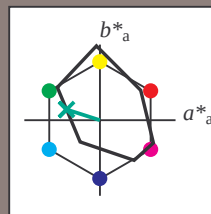
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

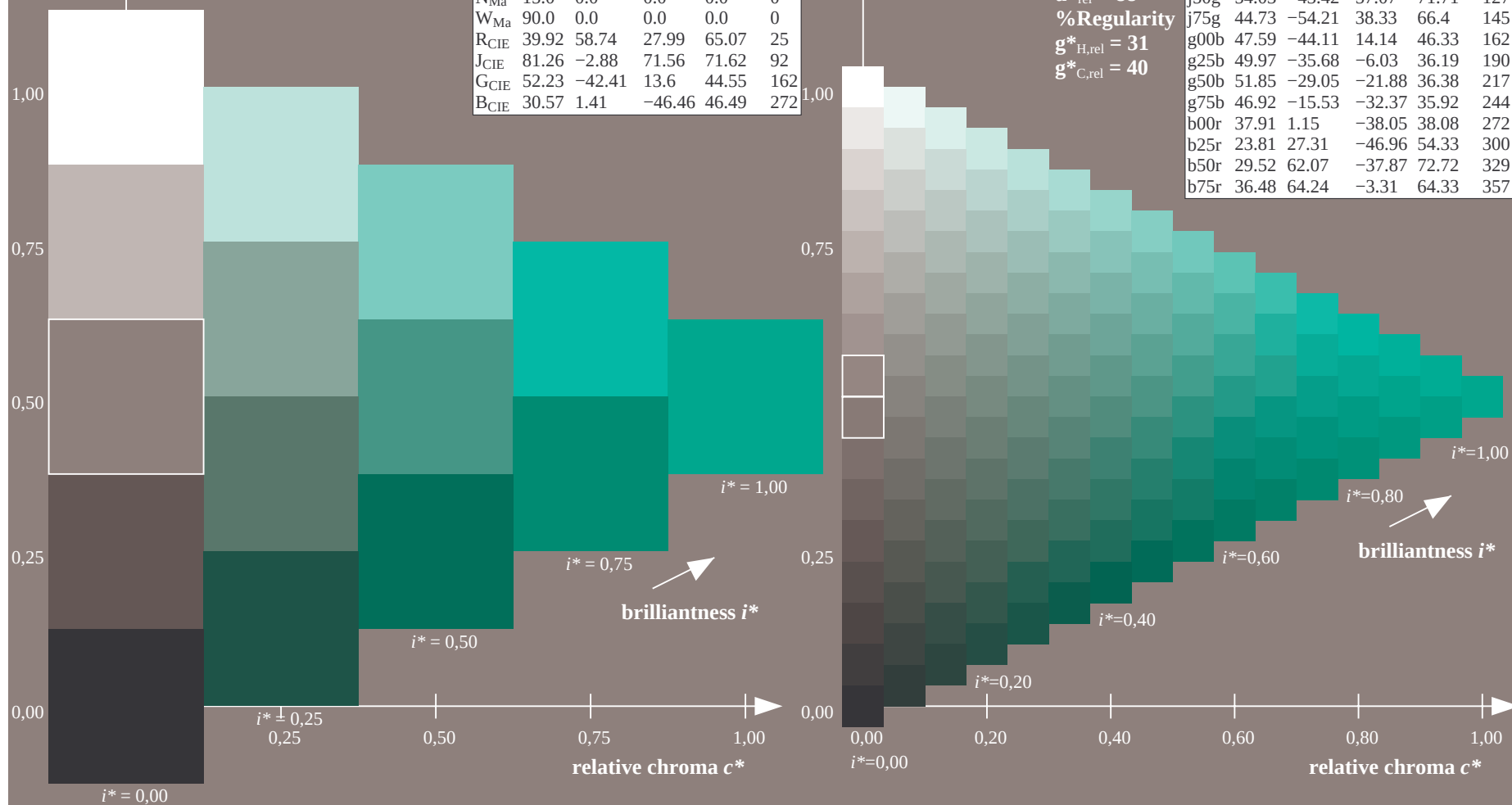
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

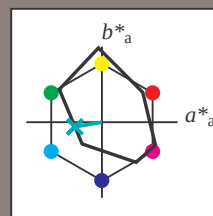
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

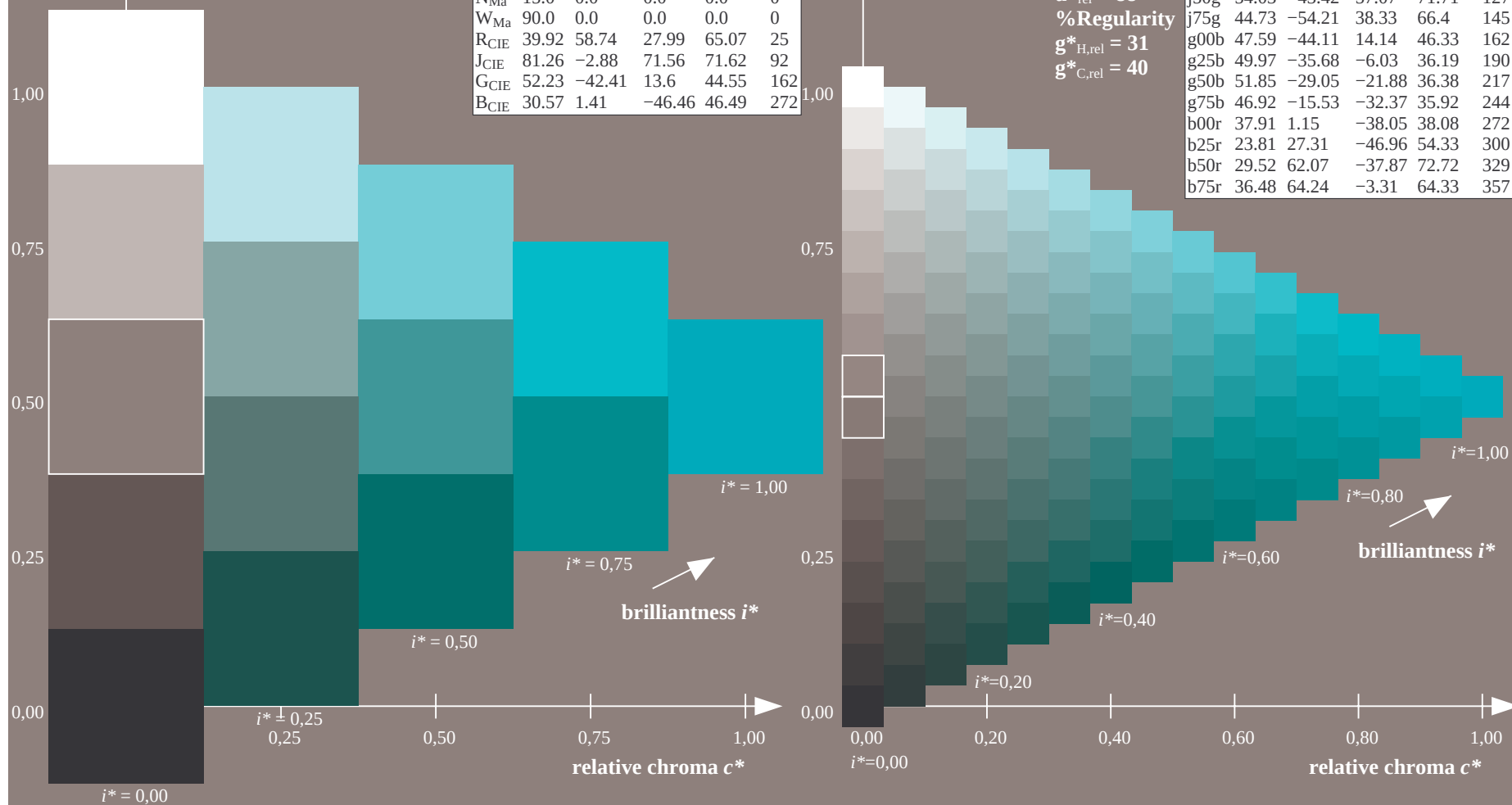
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

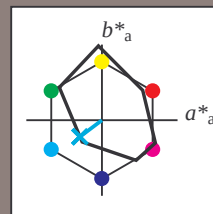
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

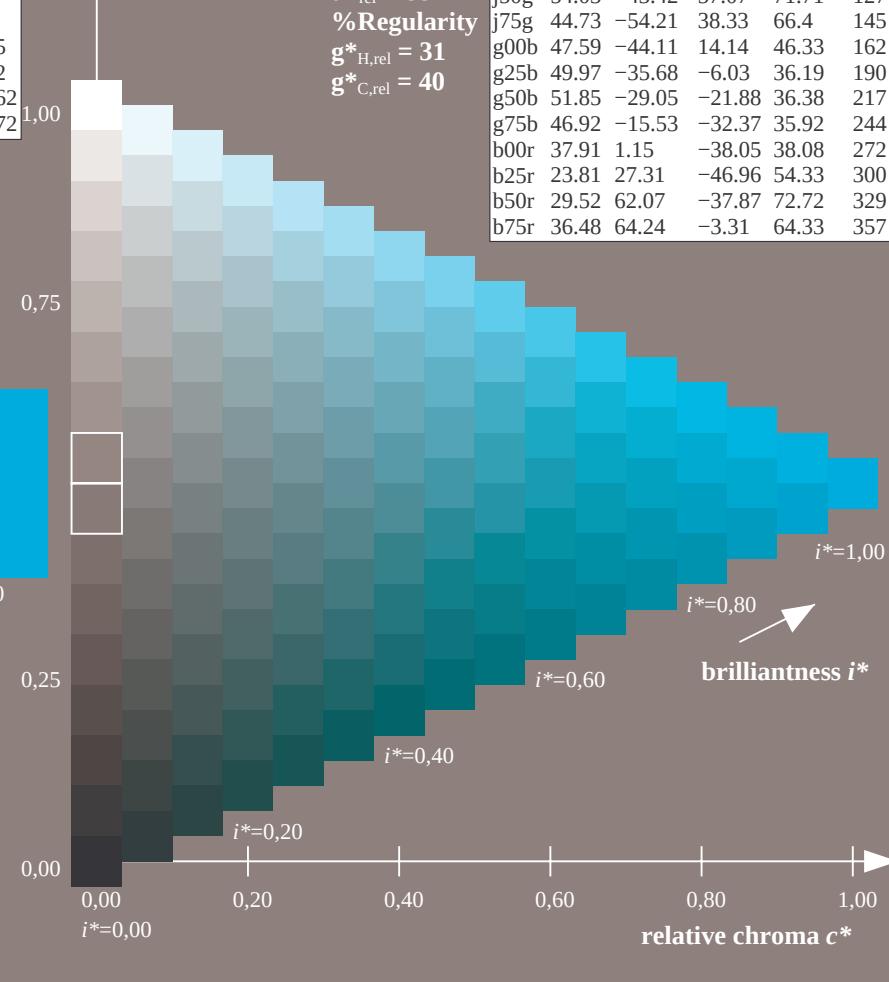
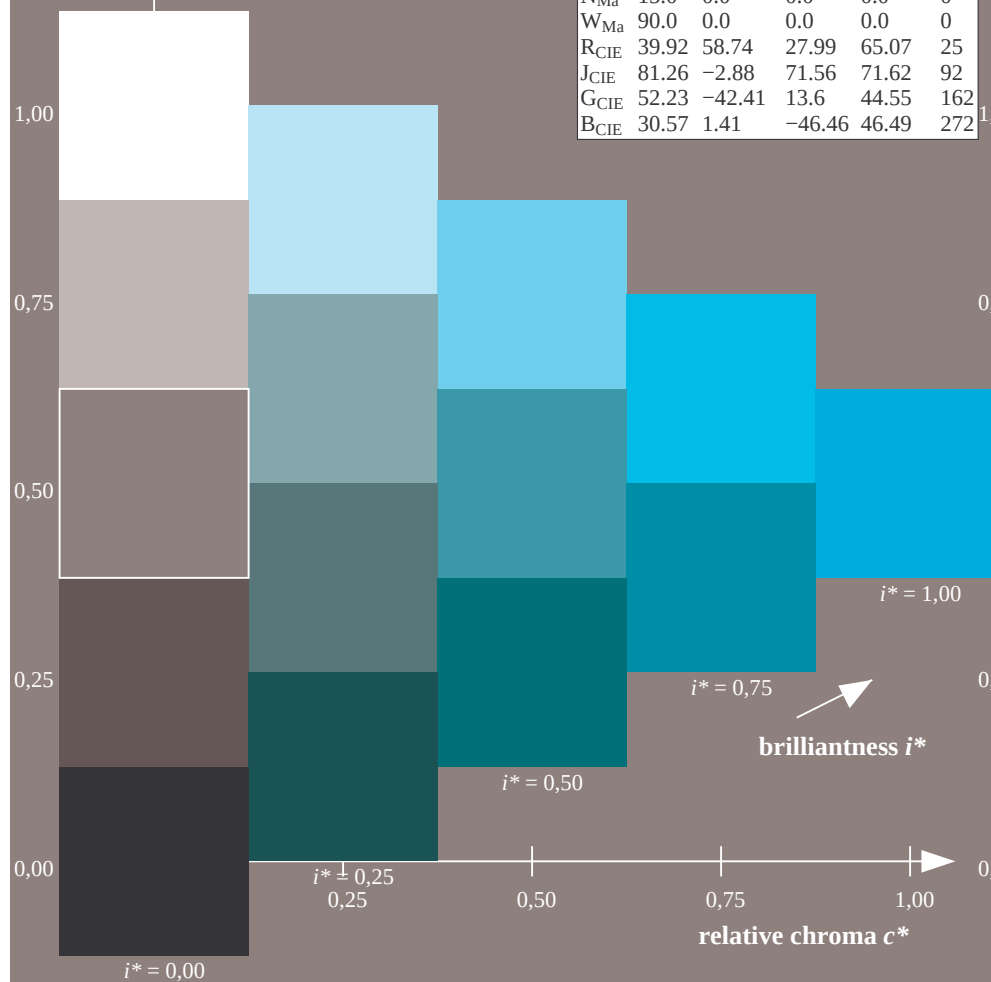
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

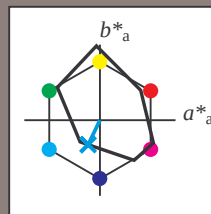
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

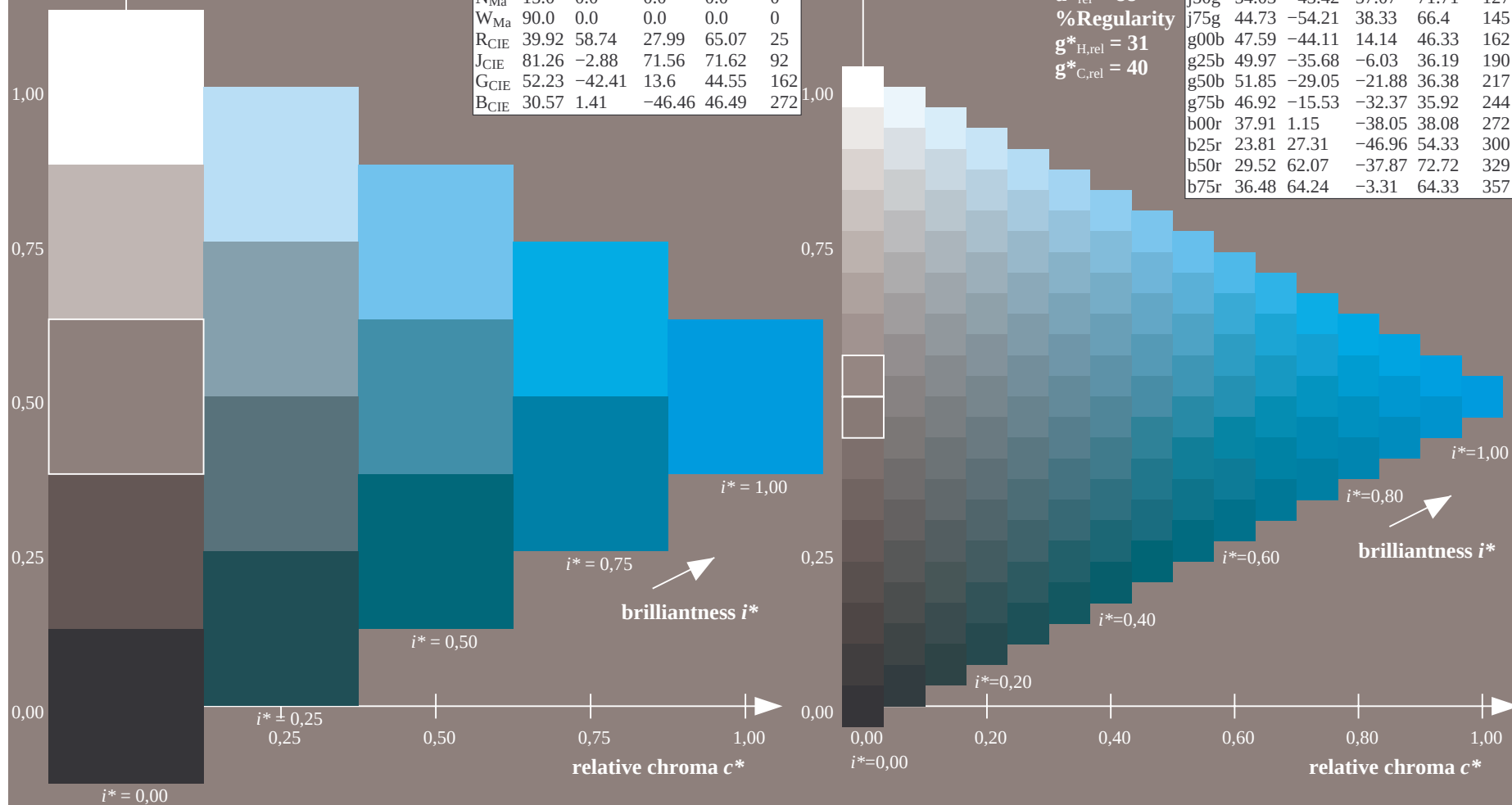
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

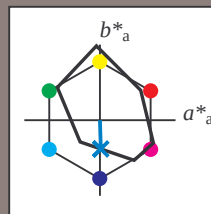
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -37

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

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

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

triangle lightness t^*

%Gamut

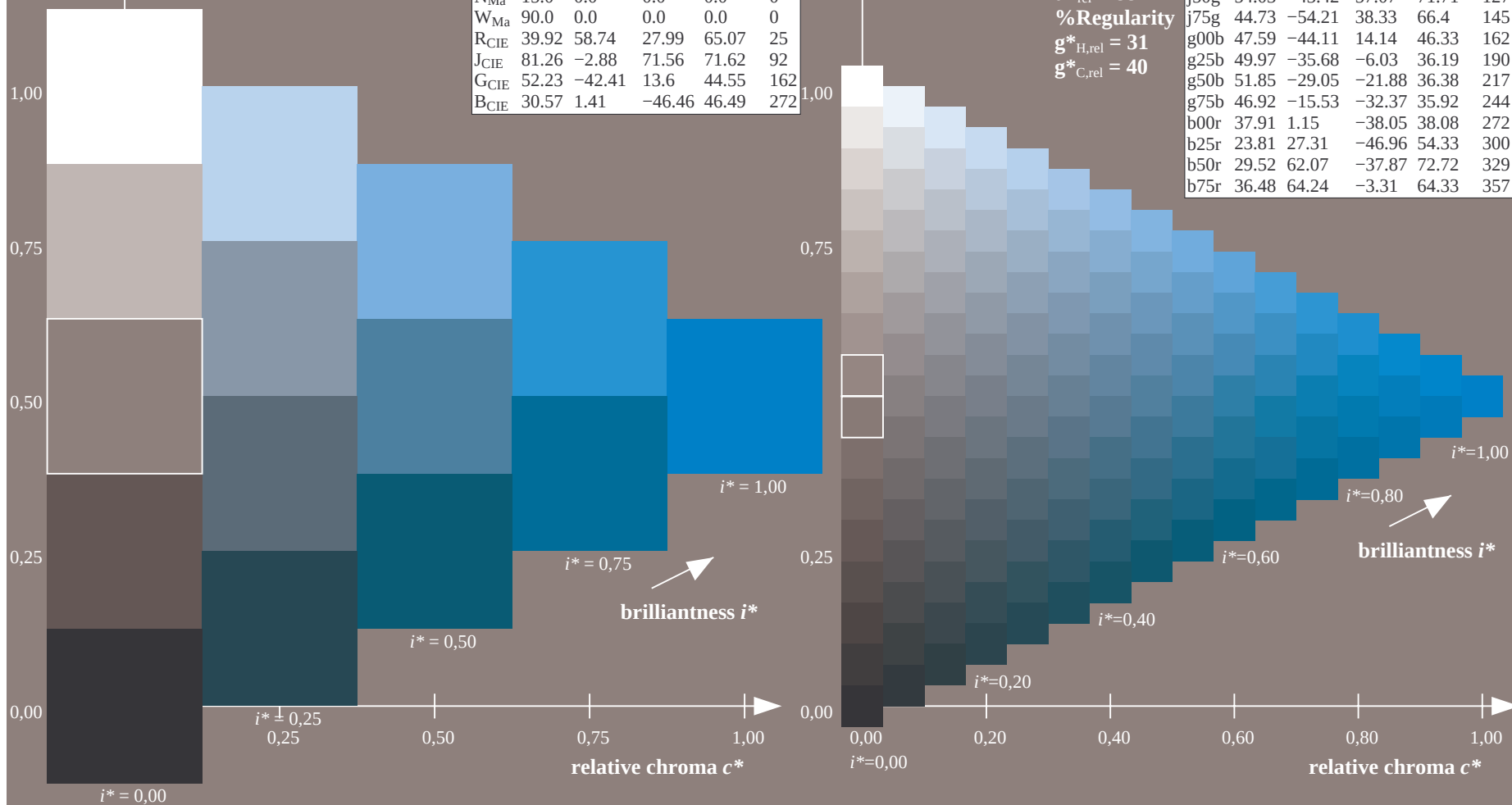
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

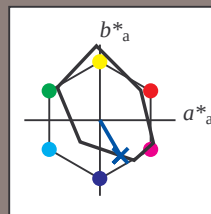
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

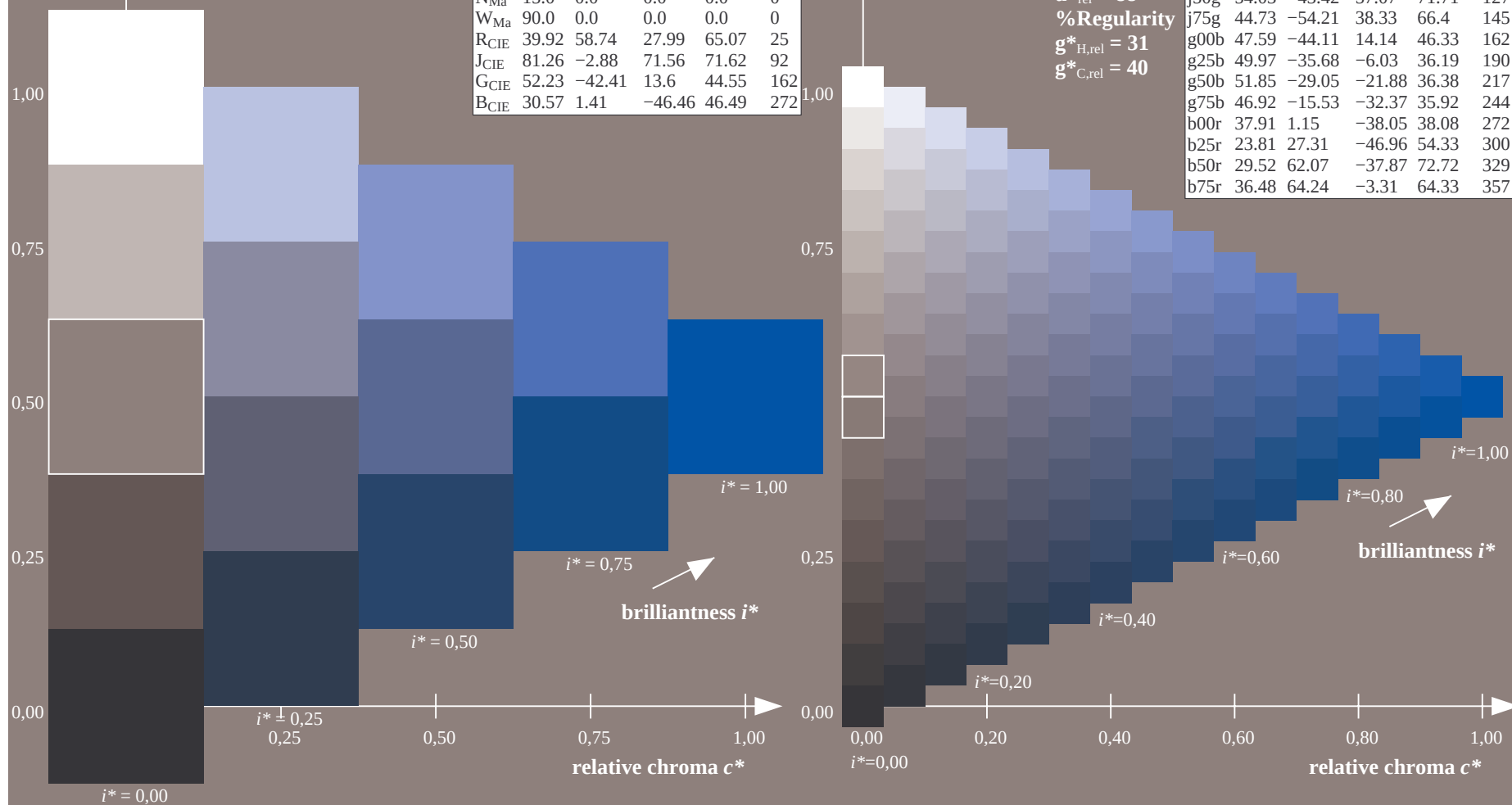
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

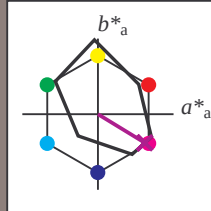
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

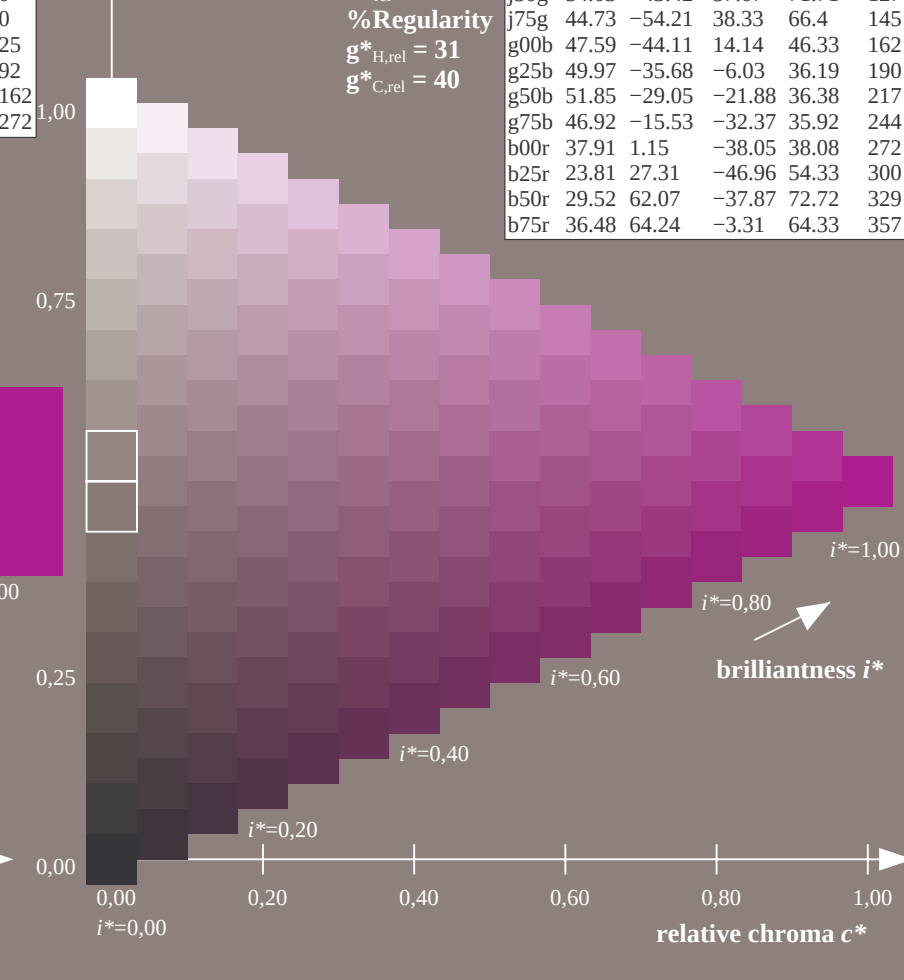
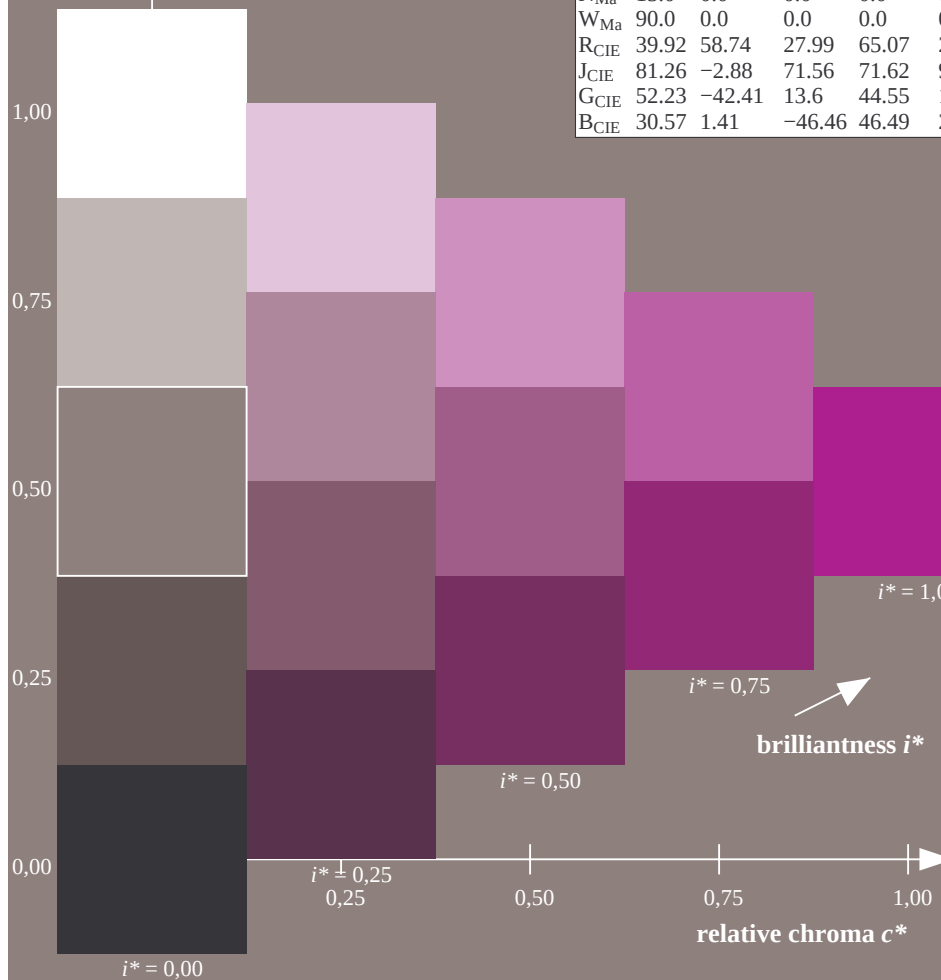
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

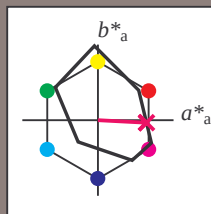
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

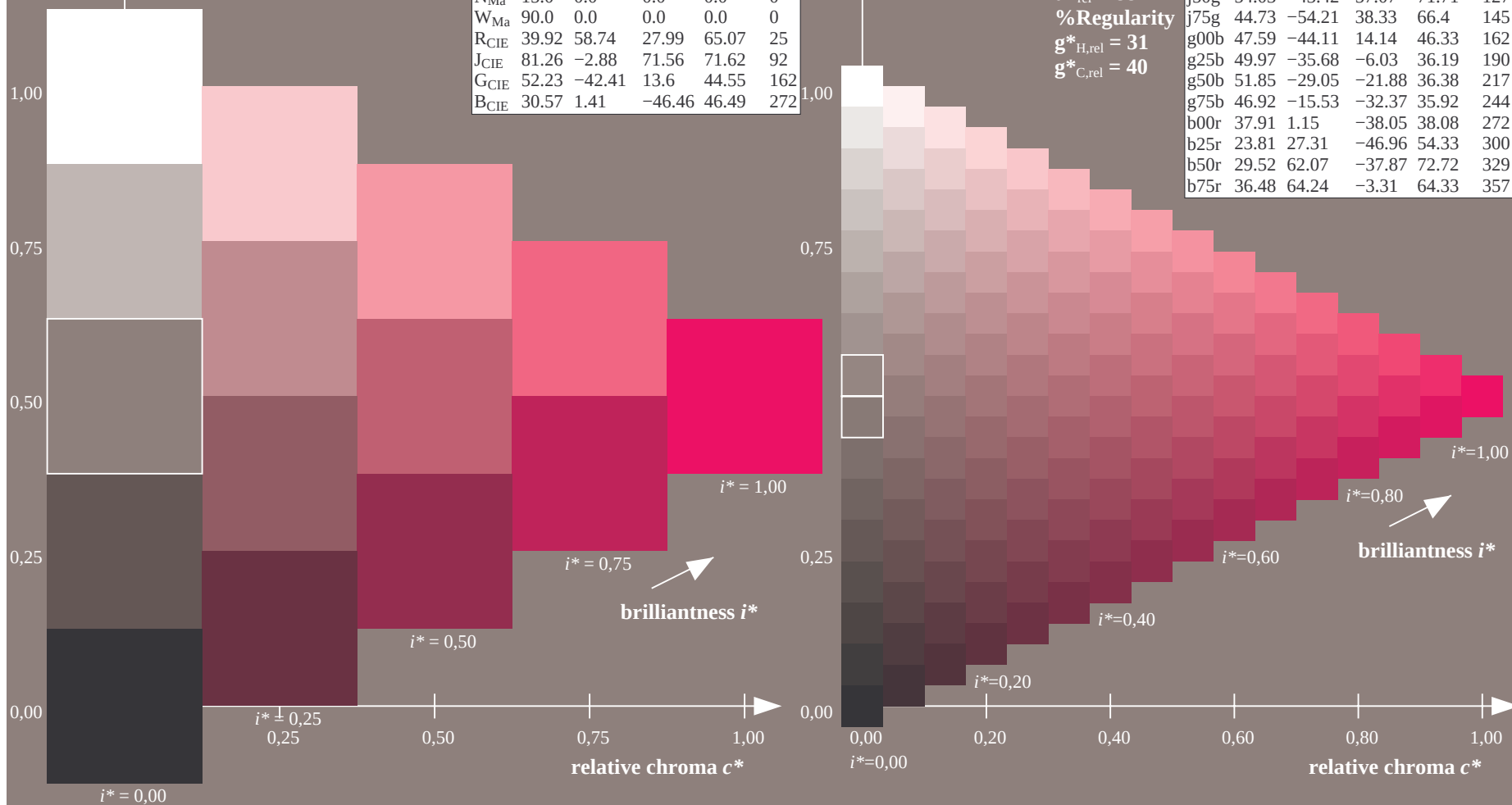
%Regularity

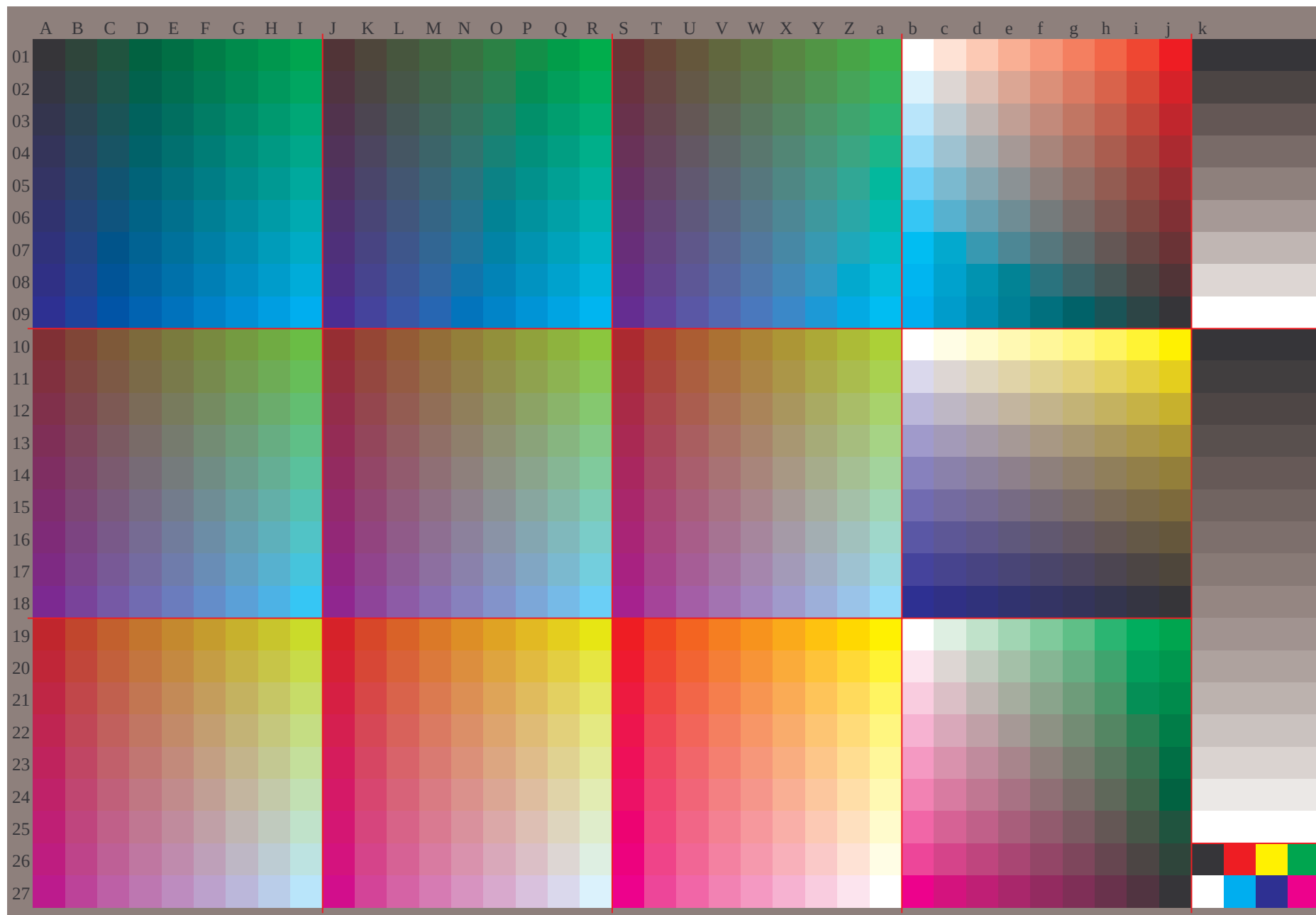
$g^*_{H,rel} = 31$

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

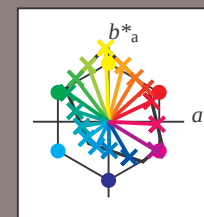




See for similar files: <http://www.ps.bam.de/De93/>; www.ps.bam.de/De93/De93E00NA.PS/.TXT
Technical information: [http://www.ps.bam.de/Version 2.1, io=1,1, ColSpx=0](http://www.ps.bam.de/Version%202.1%2C%20io%3D1%2C%20ColSpx%3D0)

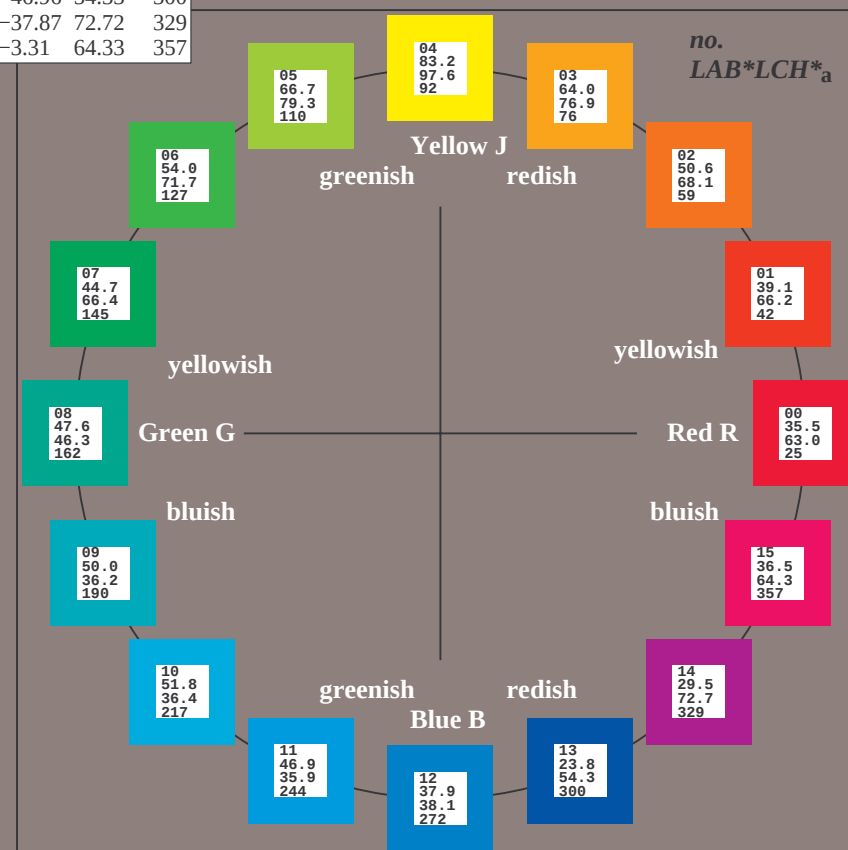
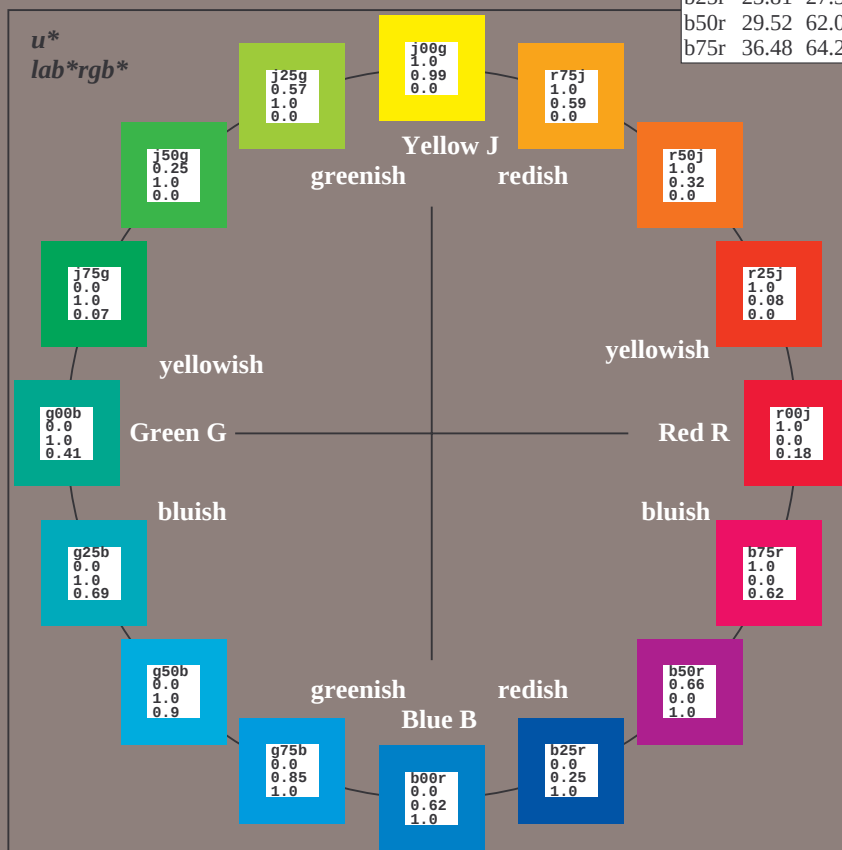
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$	
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^{*}_{rel} = 88$
%Regularity
 $g^{*}_{H,rel} = 31$
 $g^{*}_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$	
OMa	35.06	53.93	39.55	66.88	36
YMa	83.77	-4.63	98.26	98.37	93
LMa	44.13	-56.32	43.36	71.09	142
CMa	52.66	-26.18	-28.74	38.89	228
VMa	14.15	45.22	-53.06	69.72	310
MMa	37.37	70.69	-30.1	76.83	337
NMa	15.0	0.0	0.0	0.0	0
WMa	90.0	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

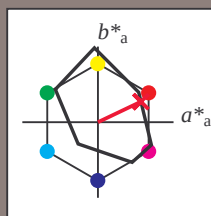
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

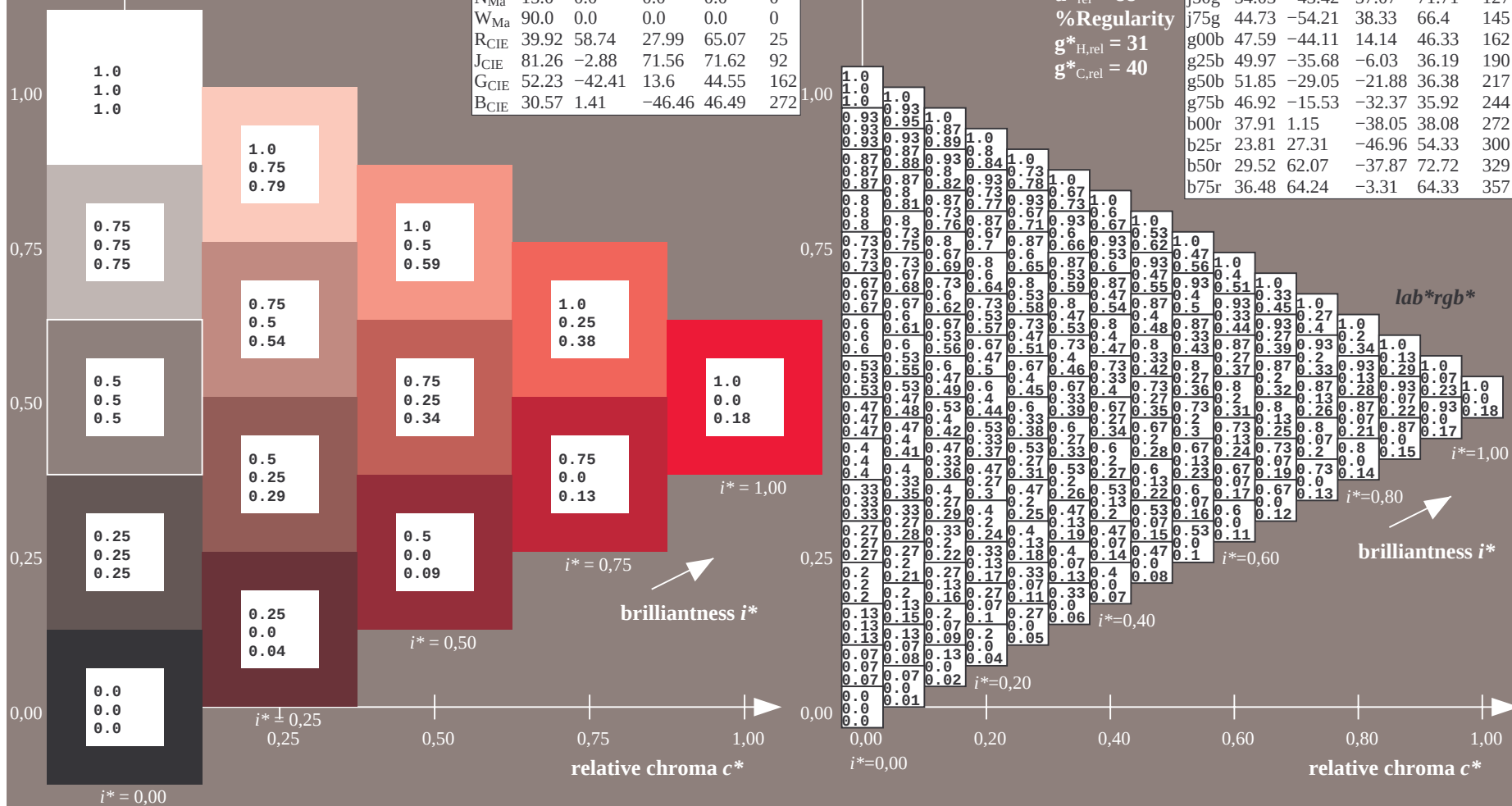
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

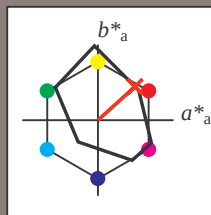
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

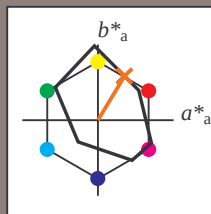
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

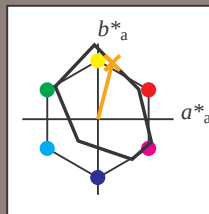
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

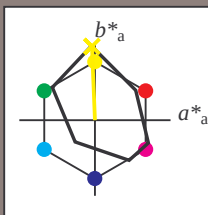
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

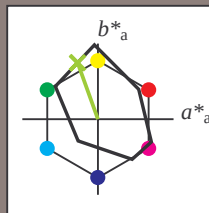
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

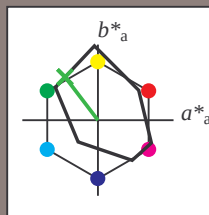
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

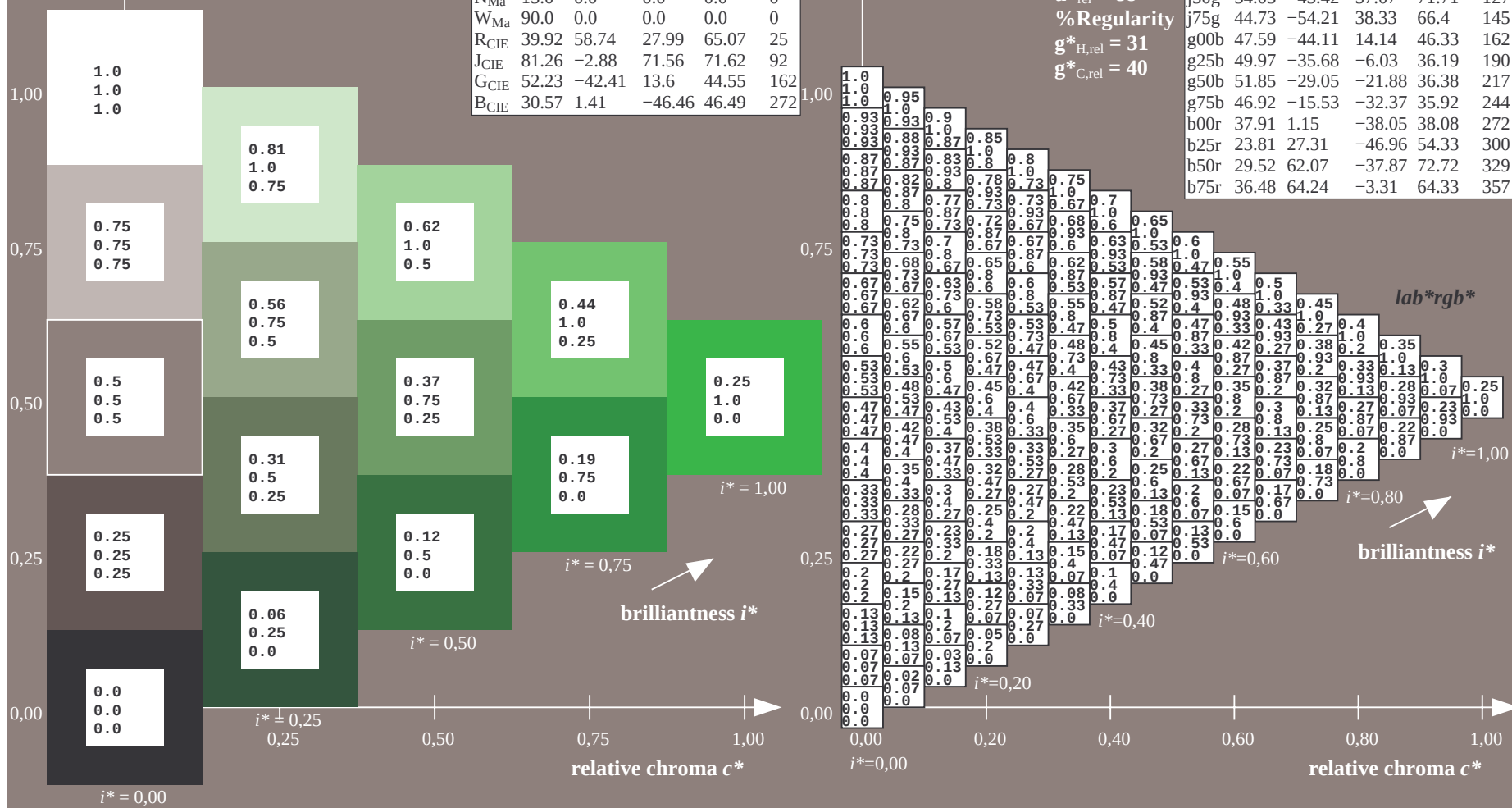
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

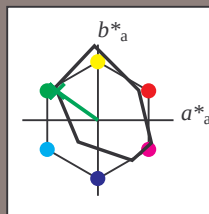
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

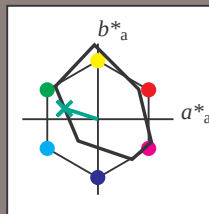
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

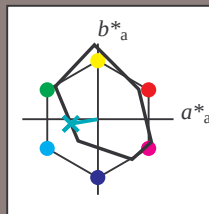
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

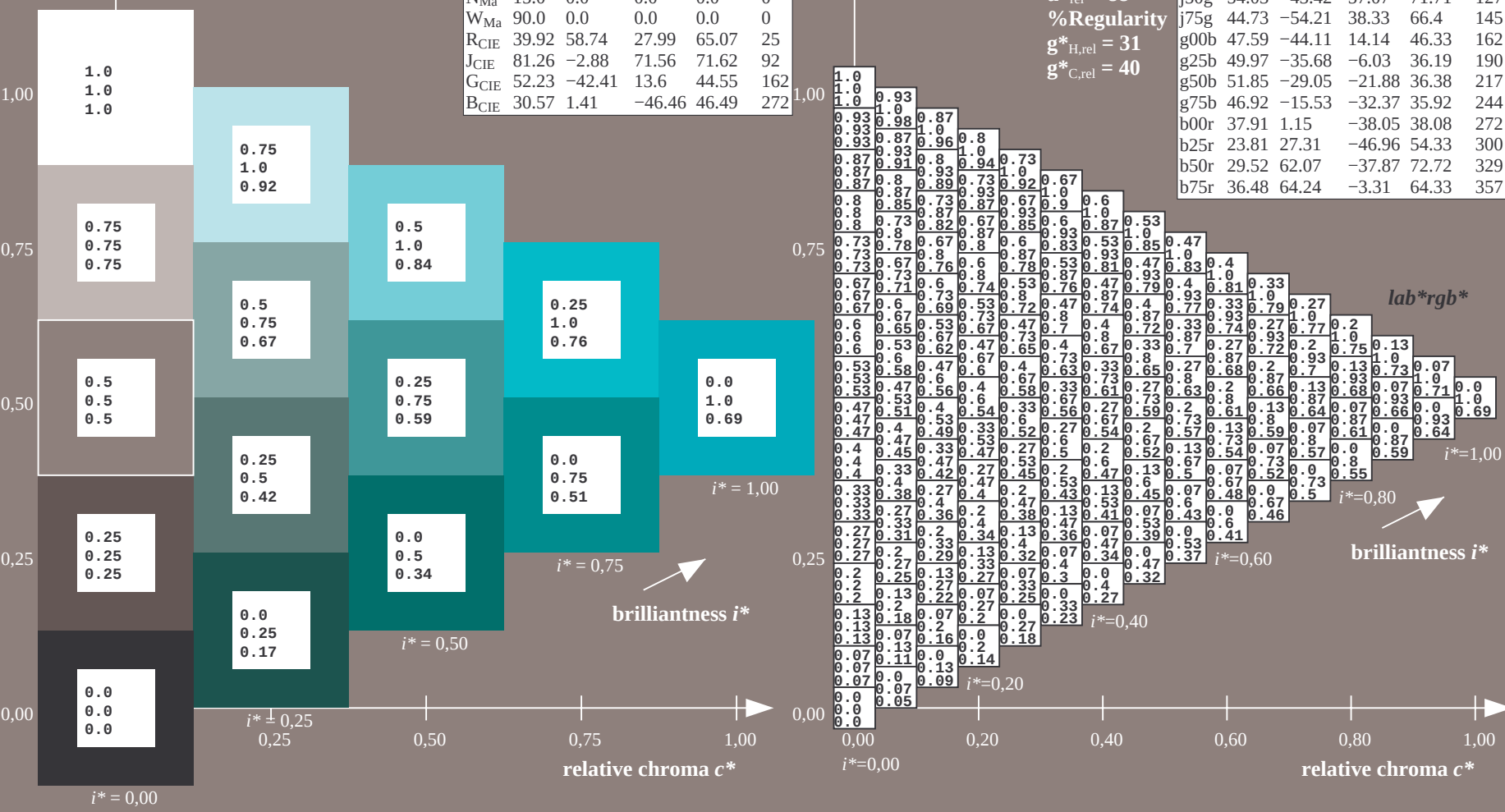
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

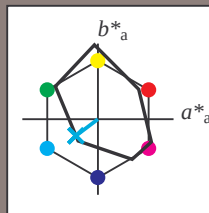
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

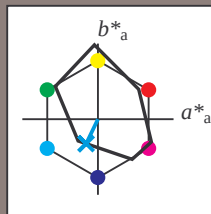
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

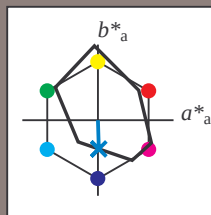
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -37

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

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

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

triangle lightness t^*

%Gamut

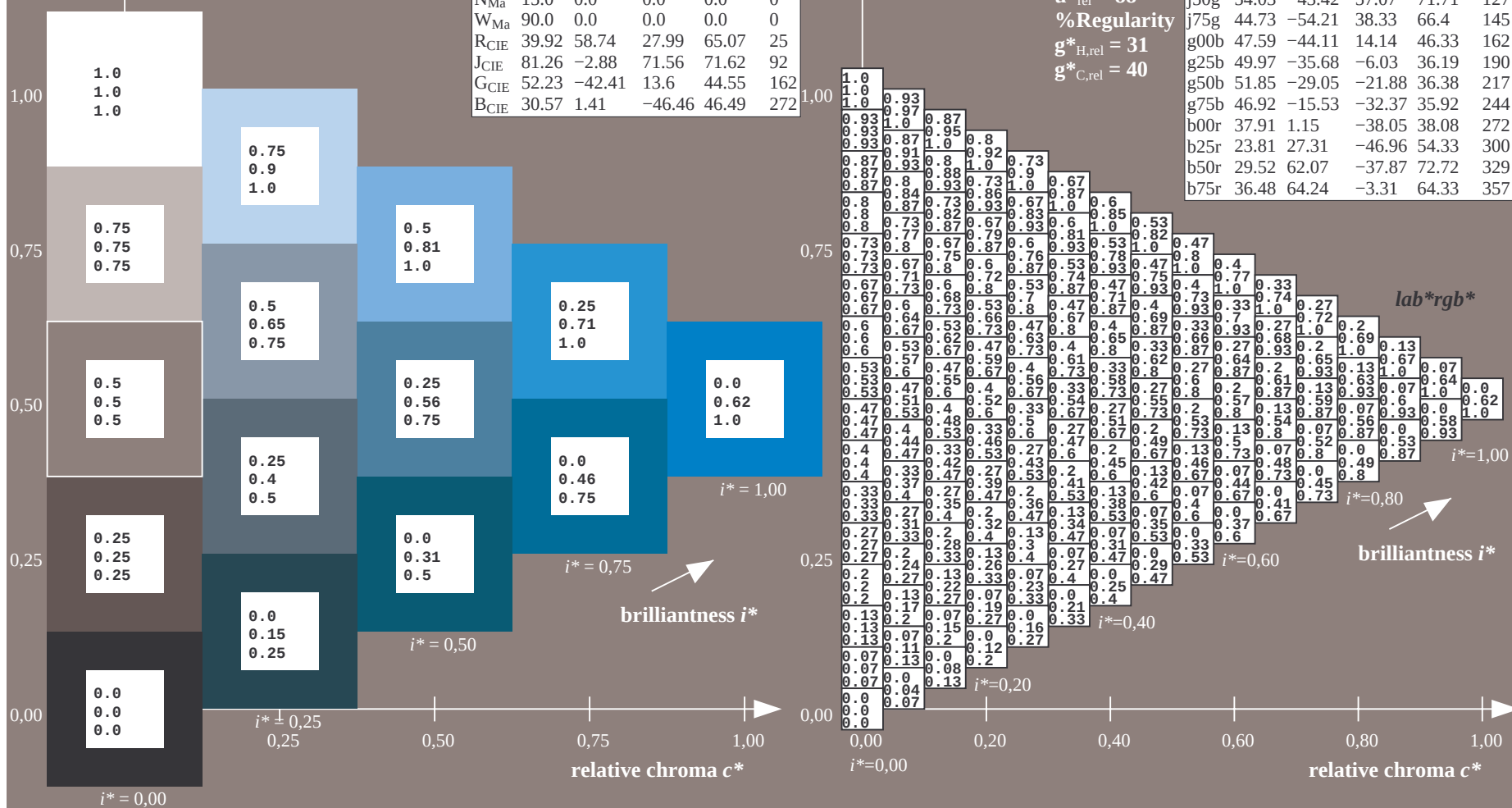
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

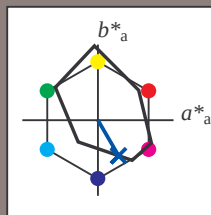
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

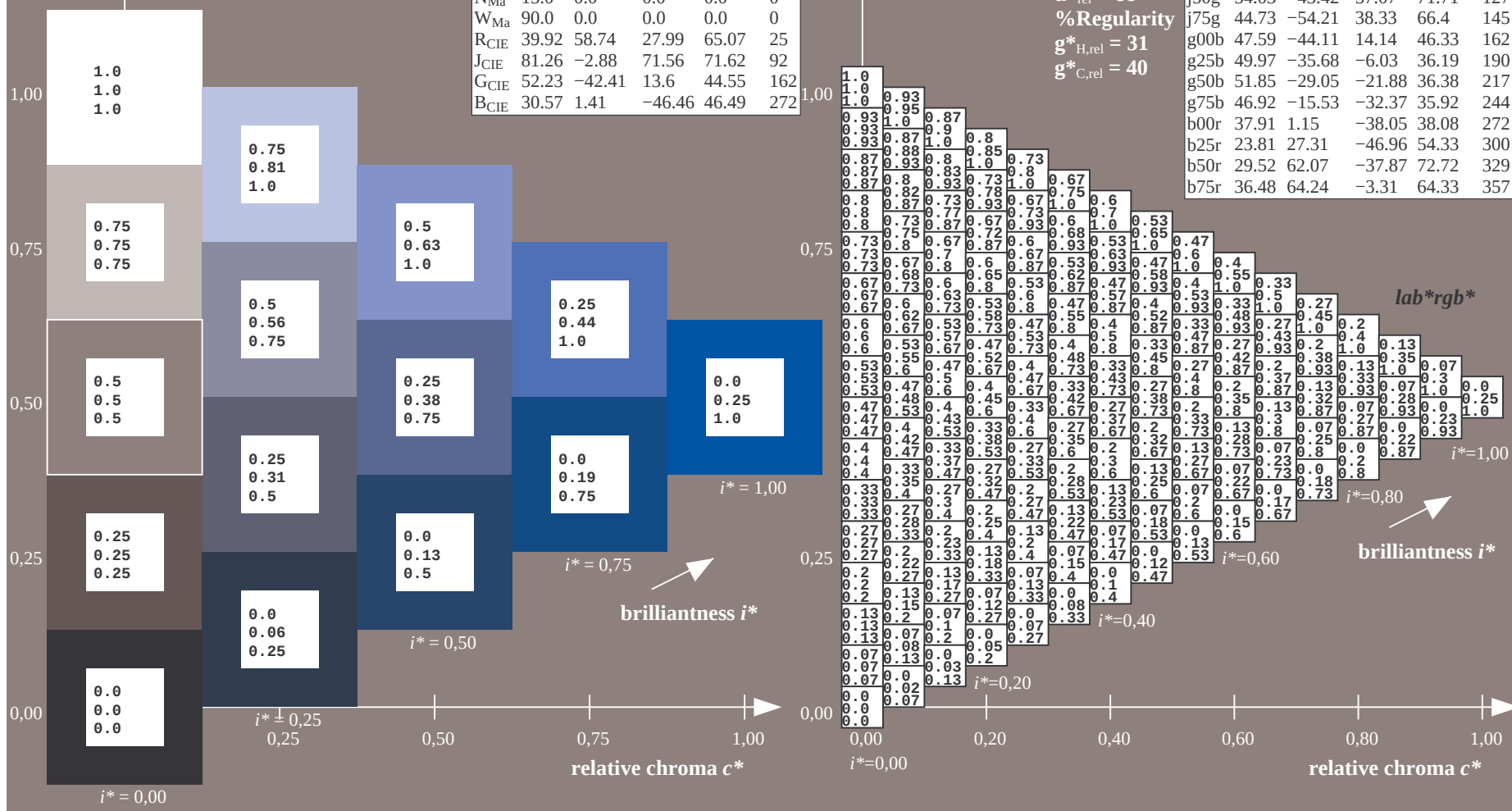
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

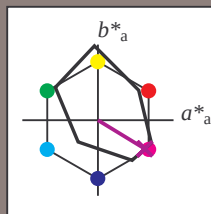
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

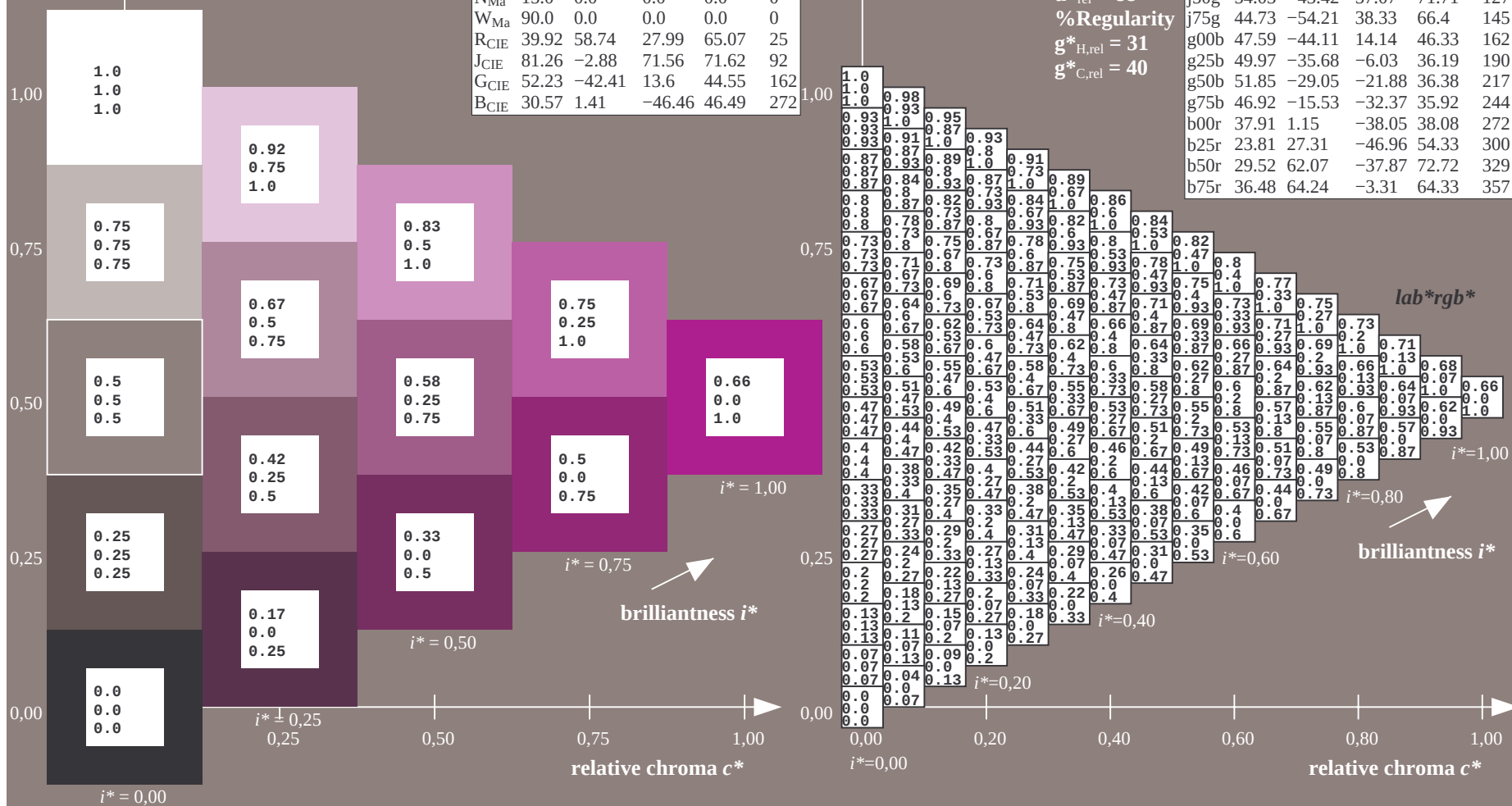
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

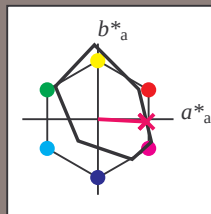
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

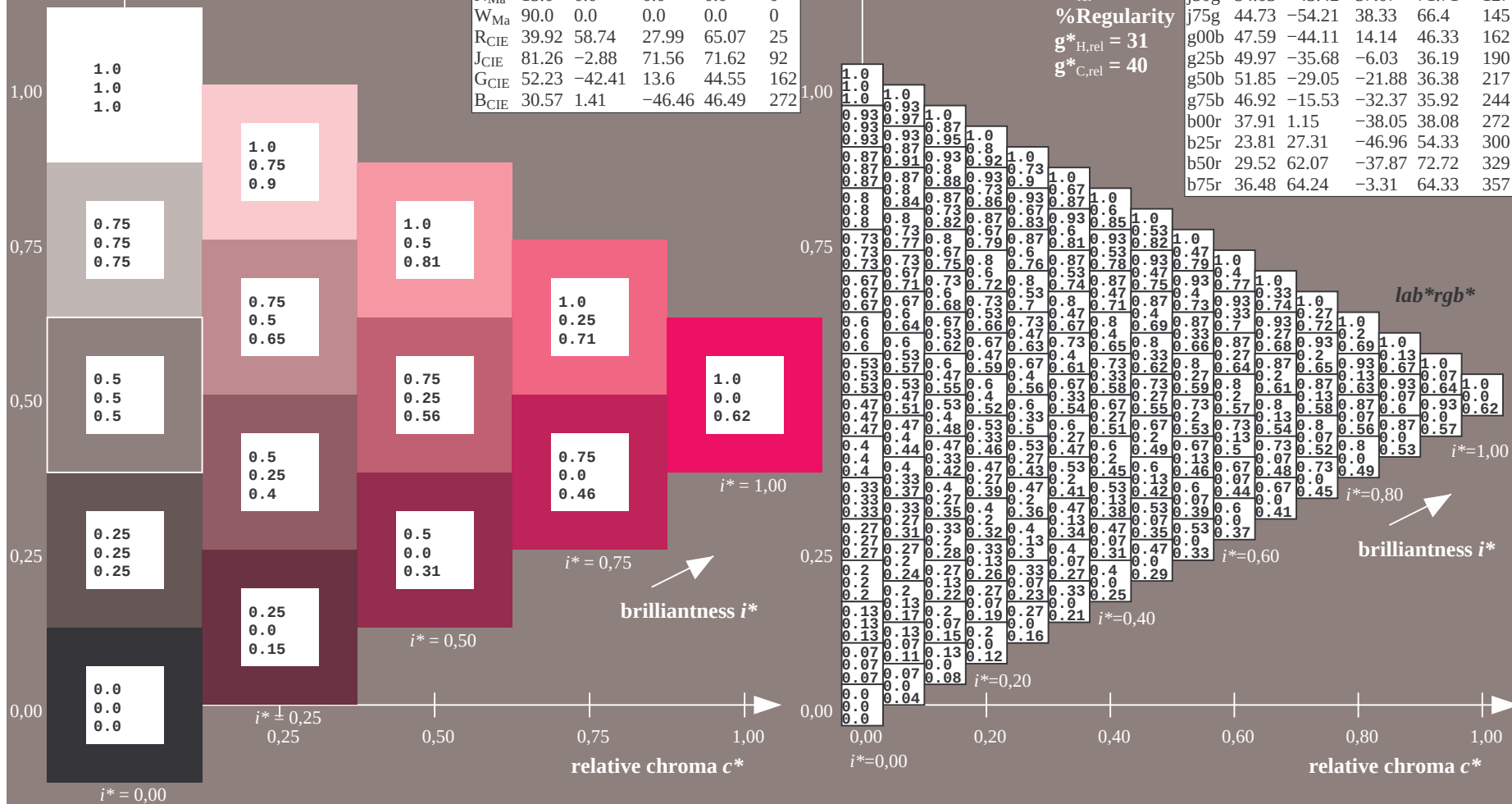
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



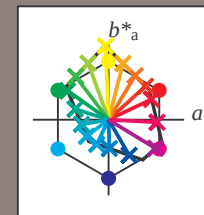
See for similar files: <http://www.ps.bam.de/De93/>; www.ps.bam.de/De93/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

BAM registration: 20080701-De93/10L/L93E00NA.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*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	0.25	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			
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.13	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	0.0	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0			
02	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.13	0.13	0.13	0.13			
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13			
	0.0	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13			
03	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.0	0.0	0.0	0.0	0.0	0.0
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25			
	0.0	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25			
04	0.0	0.13	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	0.0	0.0	0.0	0.0	0.0	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	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38			
	0.0	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	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	0.13	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	0.0	0.0	0.0	0.0	0.0	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	1.0	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			
	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	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	0.13	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	0.0	0.0	0.0	0.0	0.0	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	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63			
	0.0	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75			
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	0.63	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	0.0	0.0	0.0	0.0	0.0	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	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75			
	0.0	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88			
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	0.0	0.0	0.0	0.0	0.0	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	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88			
	0.0	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0			
09	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	0.0	0.0	0.0	0.0	0.0	0.0	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
	0.38	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0			
10	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	0.0	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	0.0	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		
	0.38	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0			
11	0.																																											

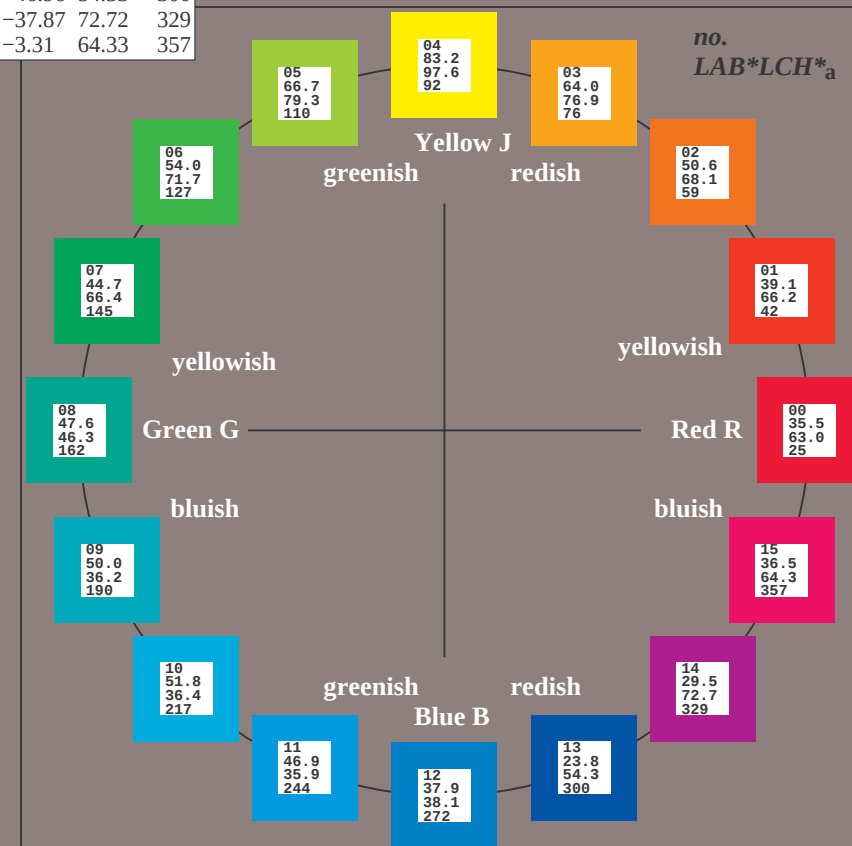
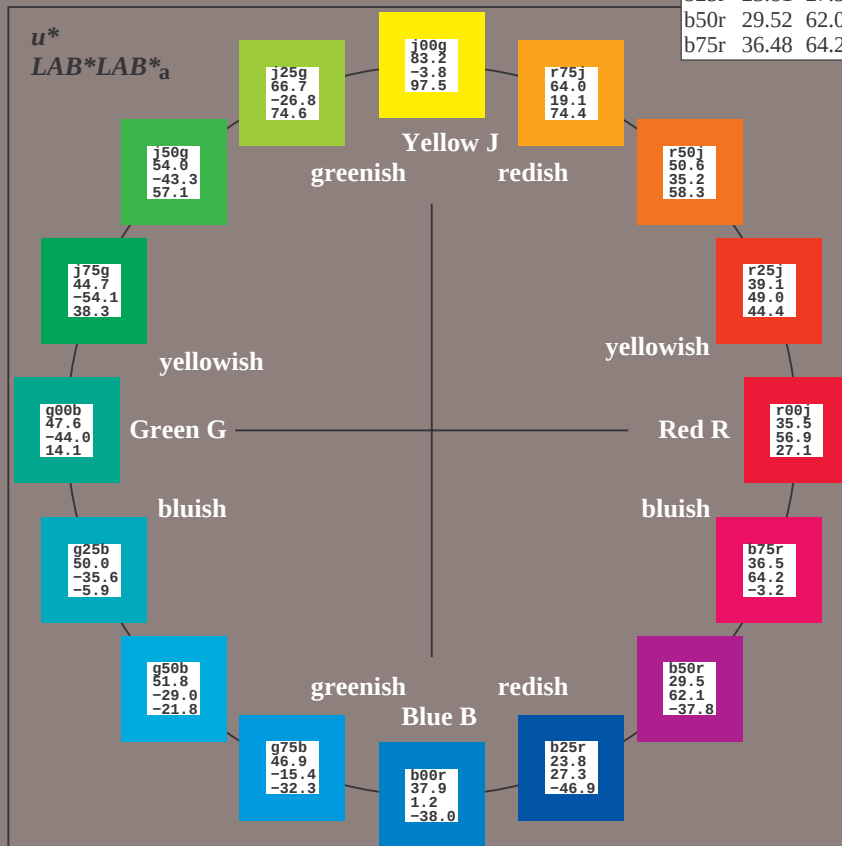
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
*lab**ch*** and *lab**icu***
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^*_{rel} = 88$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

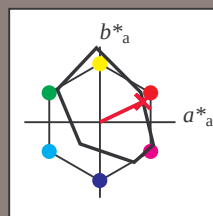
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

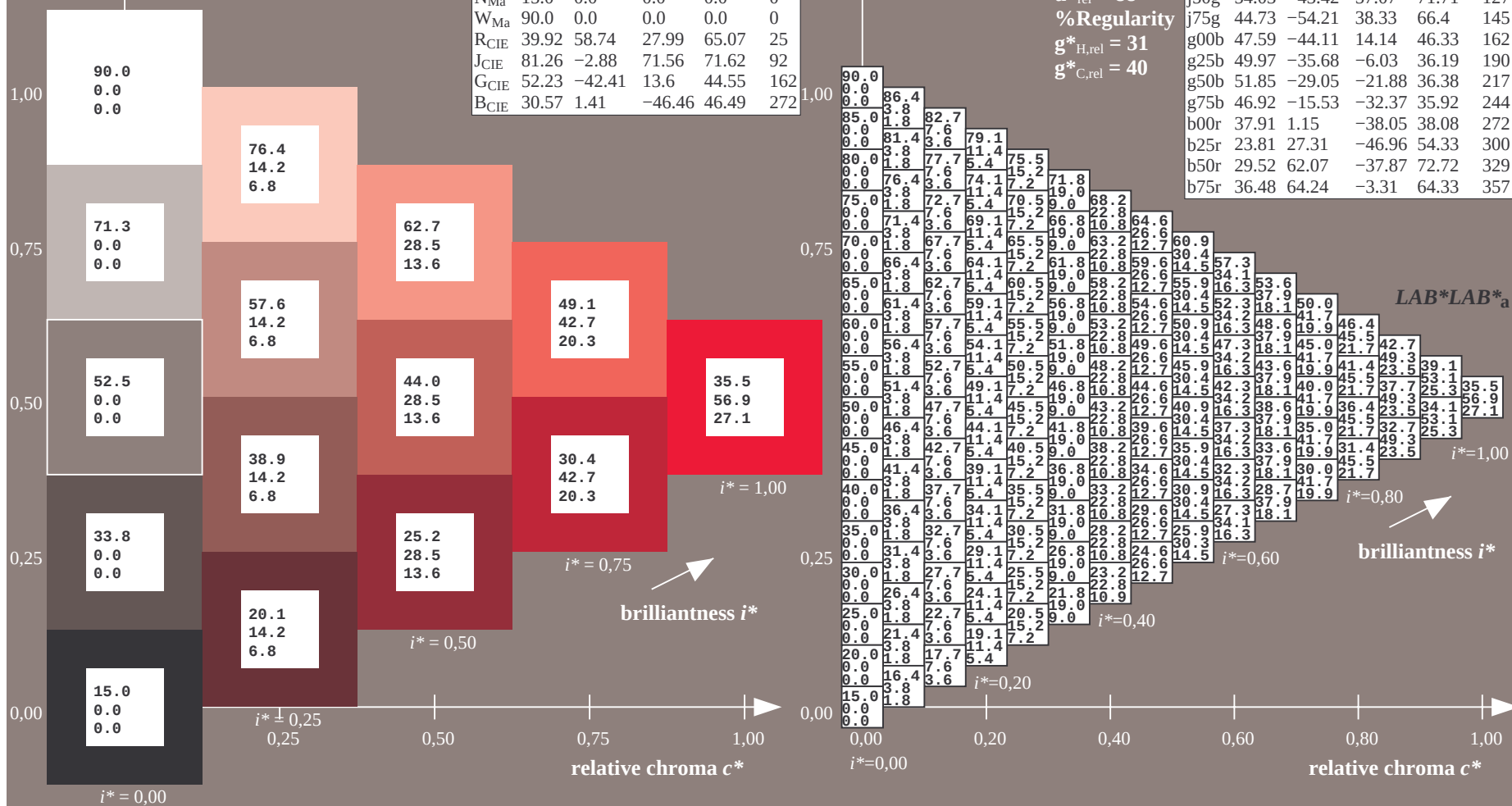
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

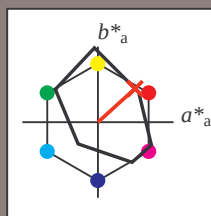
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

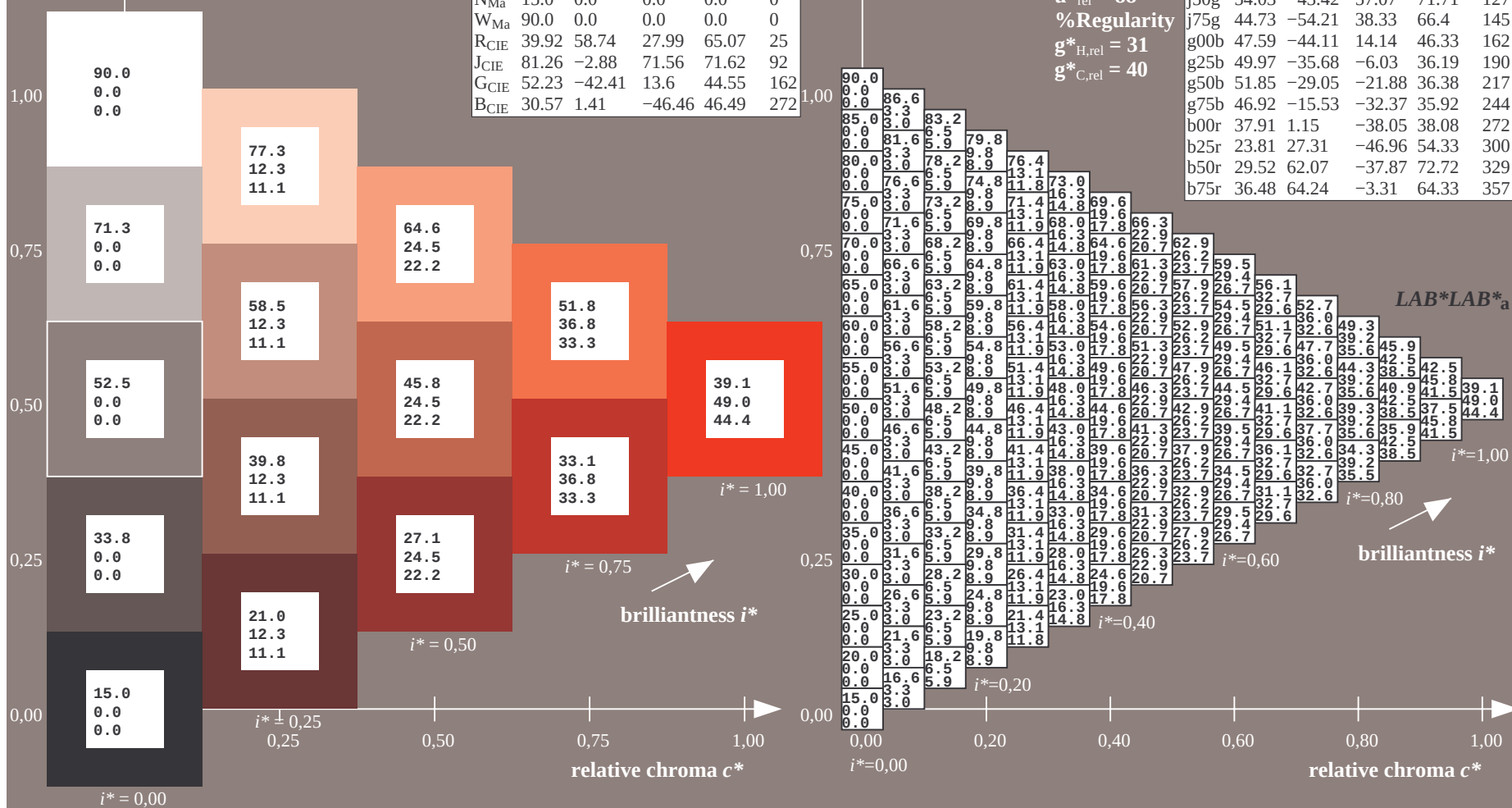
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

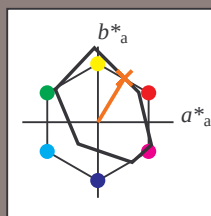
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

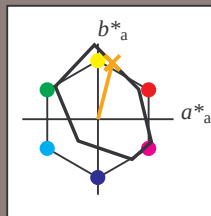
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

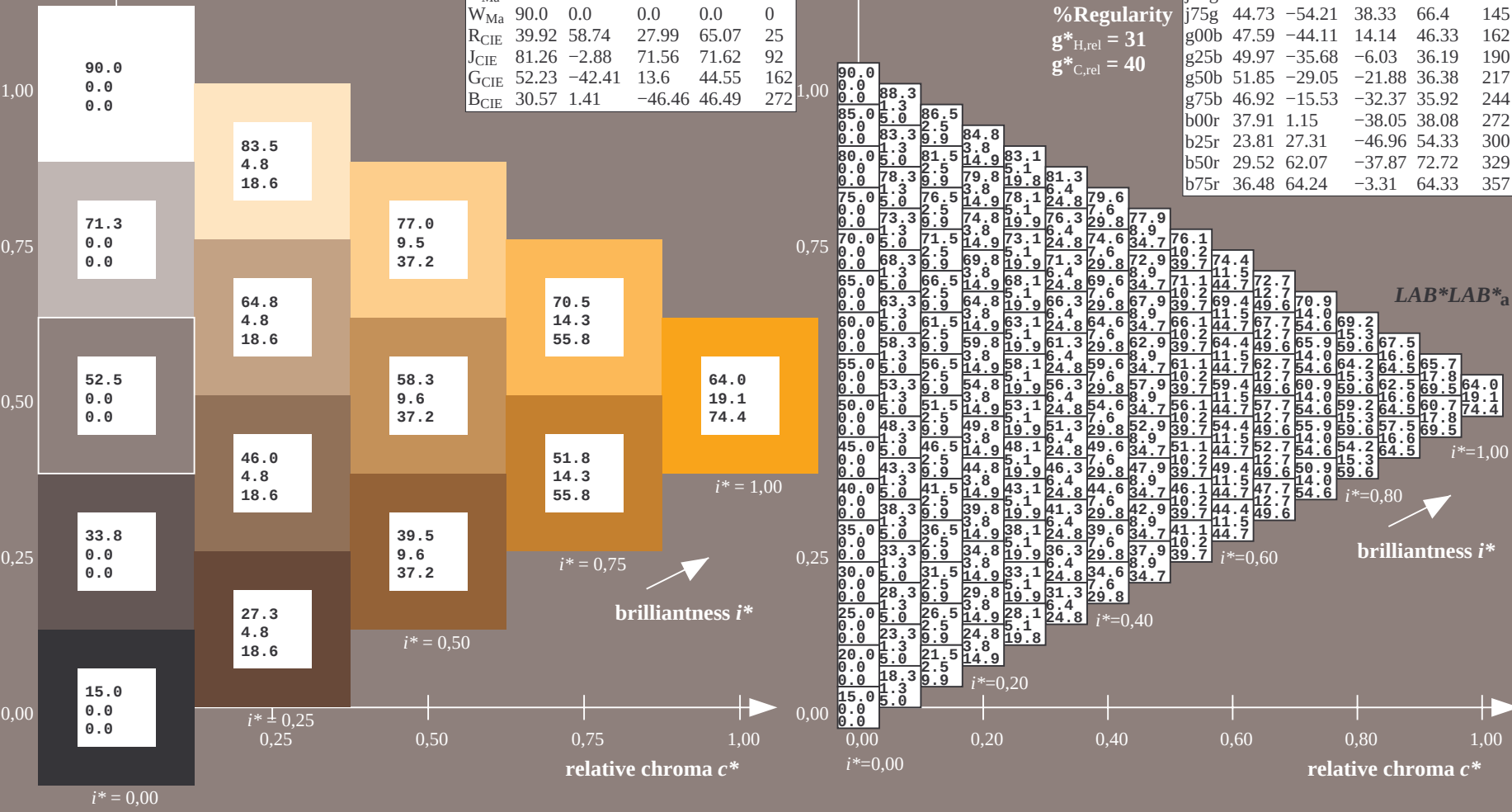
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

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



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

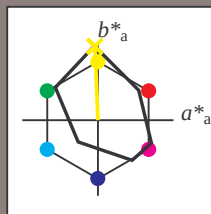
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

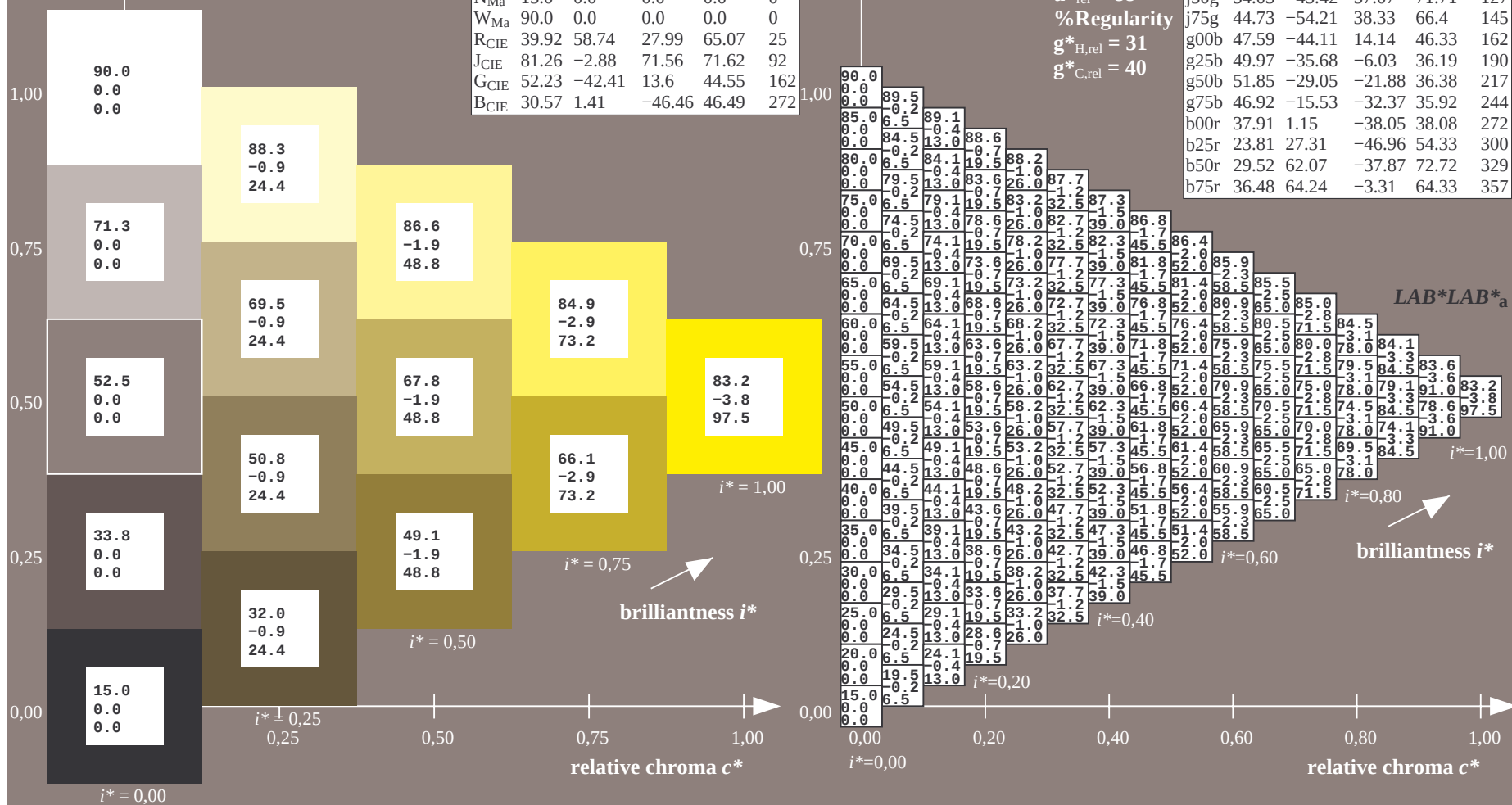
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

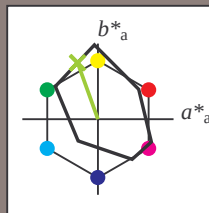
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

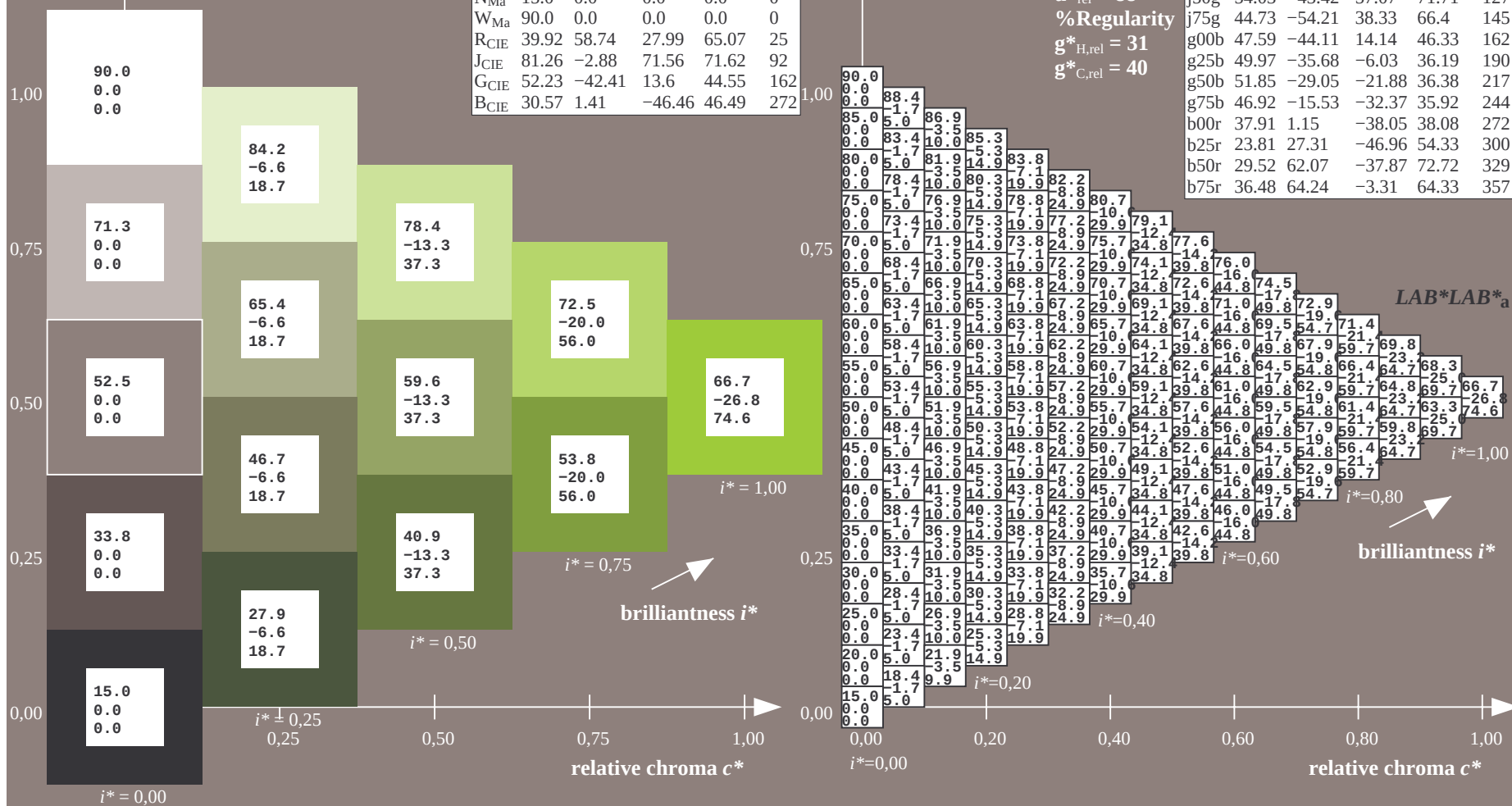
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

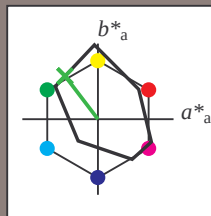
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

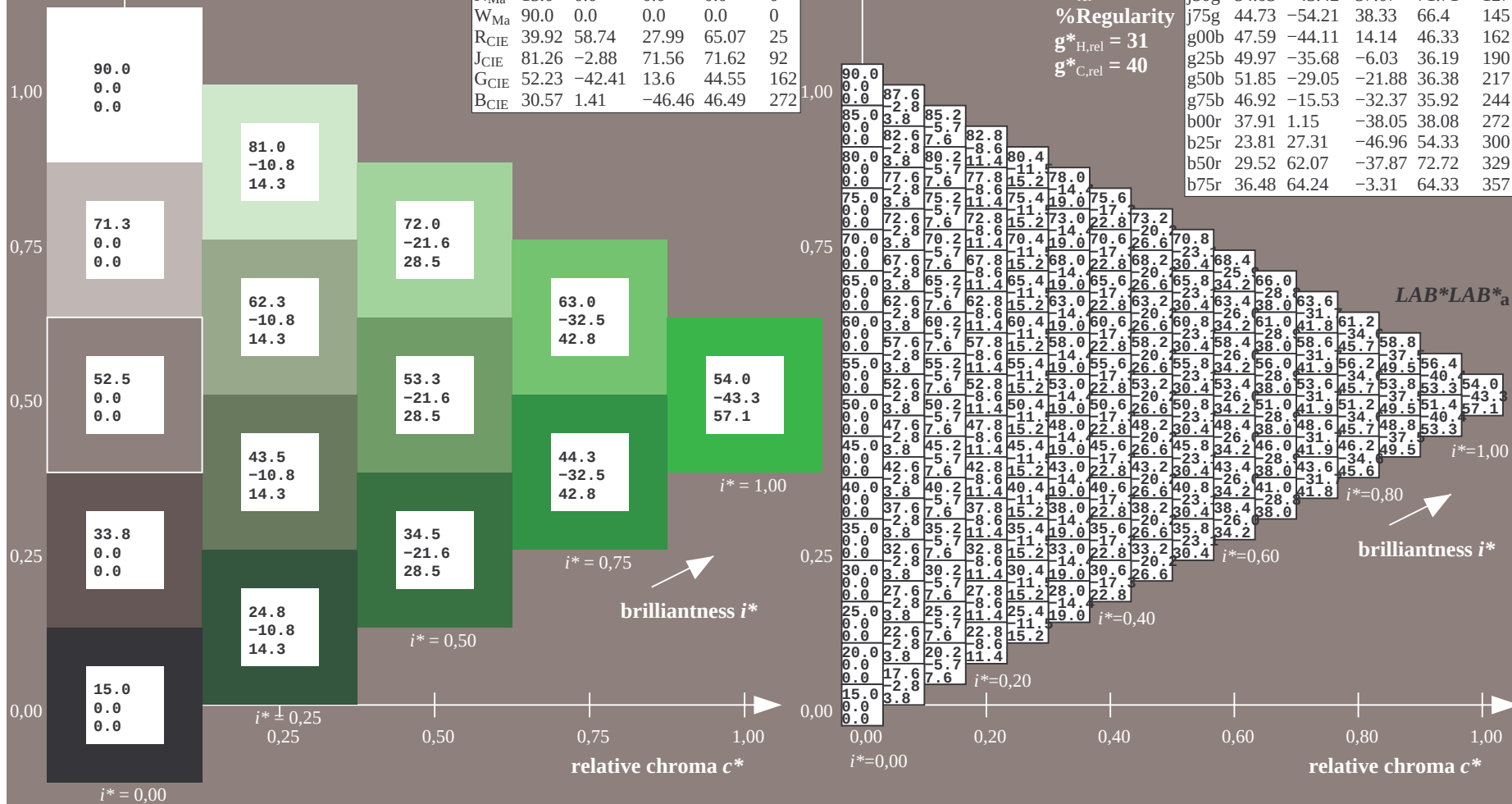
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

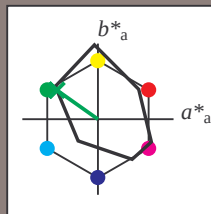
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

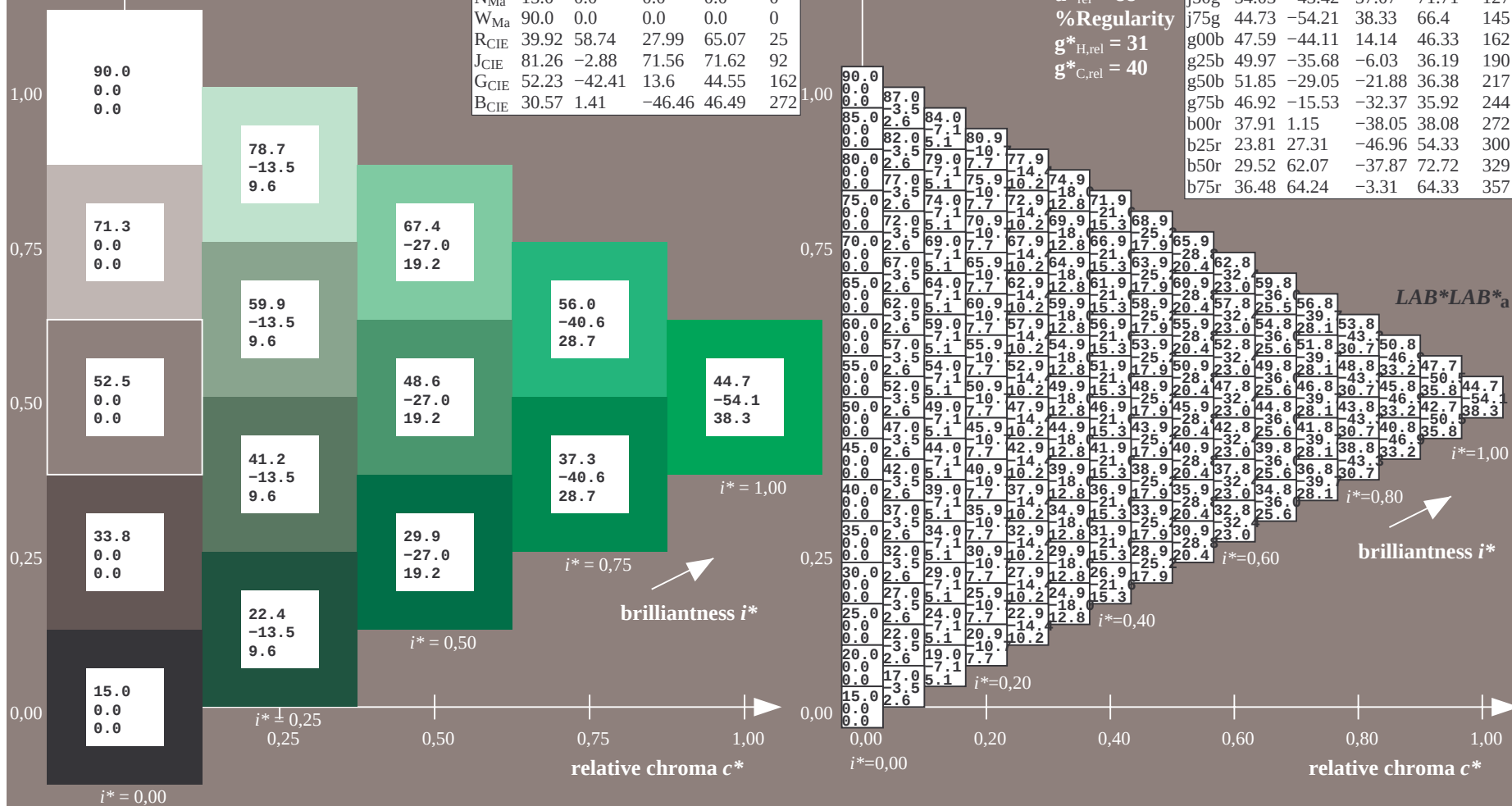
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

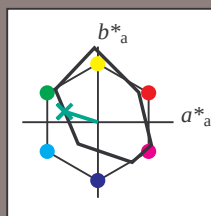
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

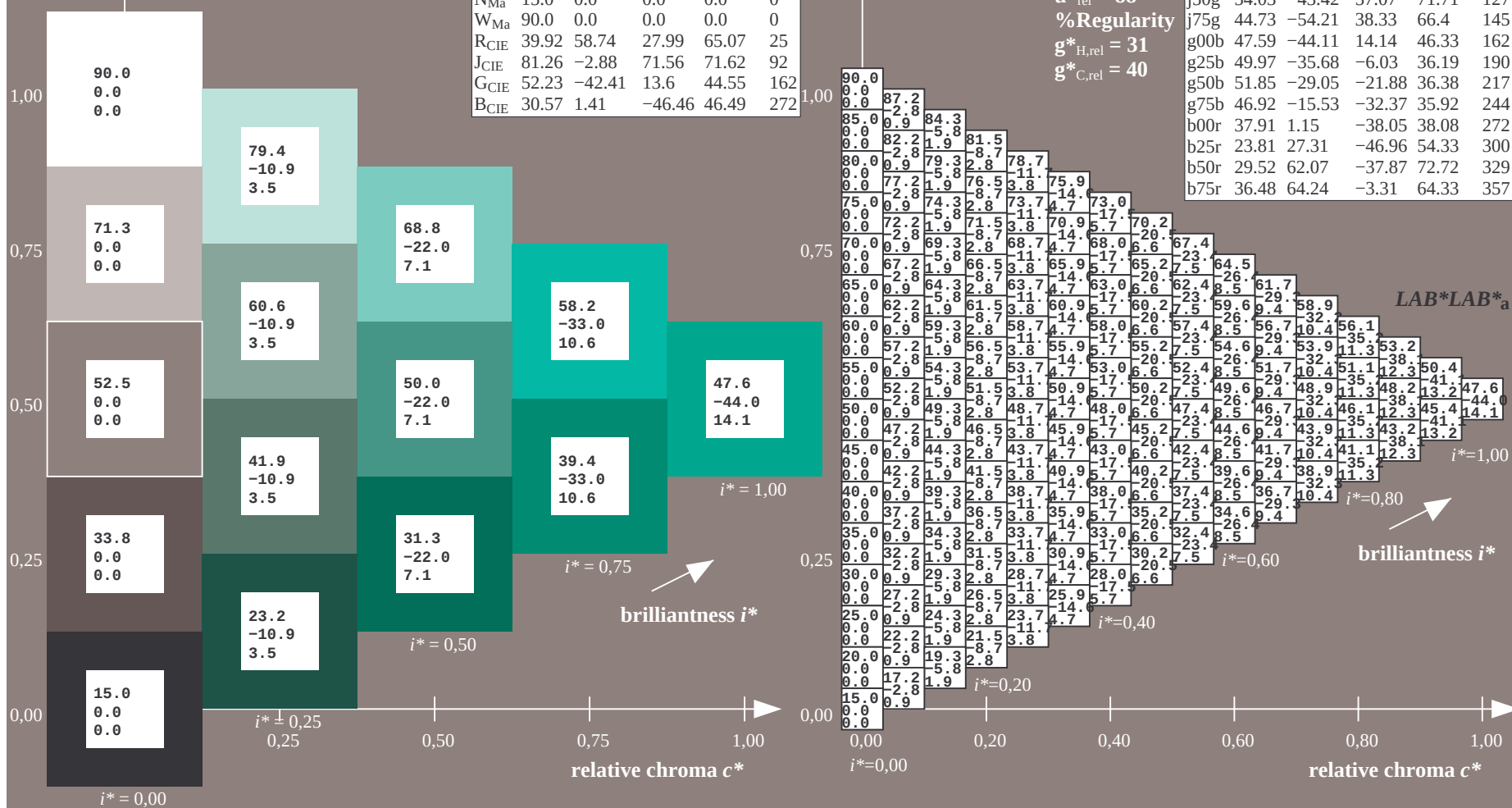
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

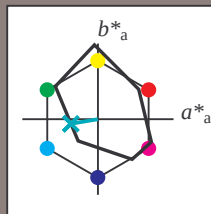
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

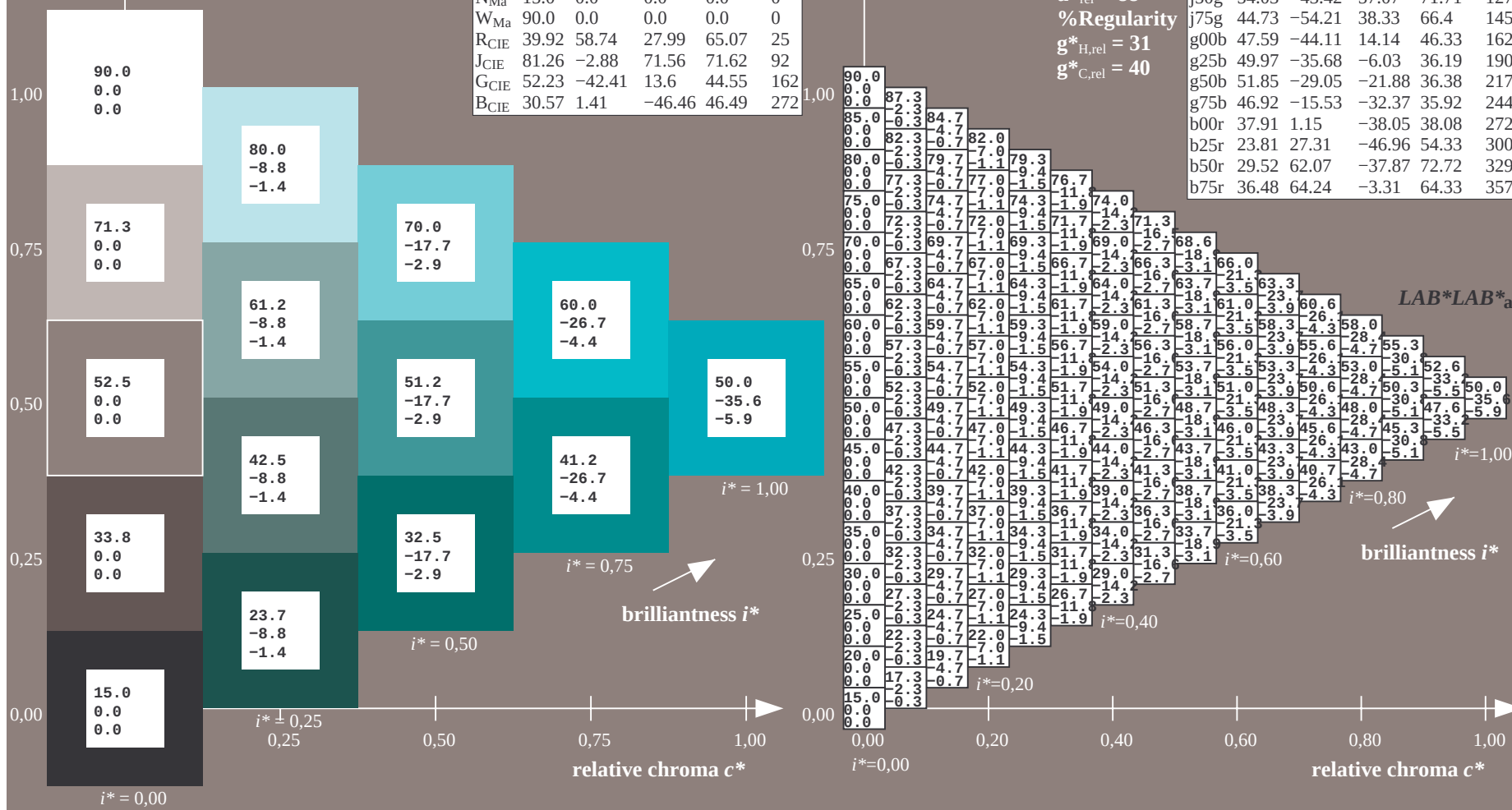
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

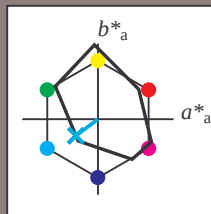
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

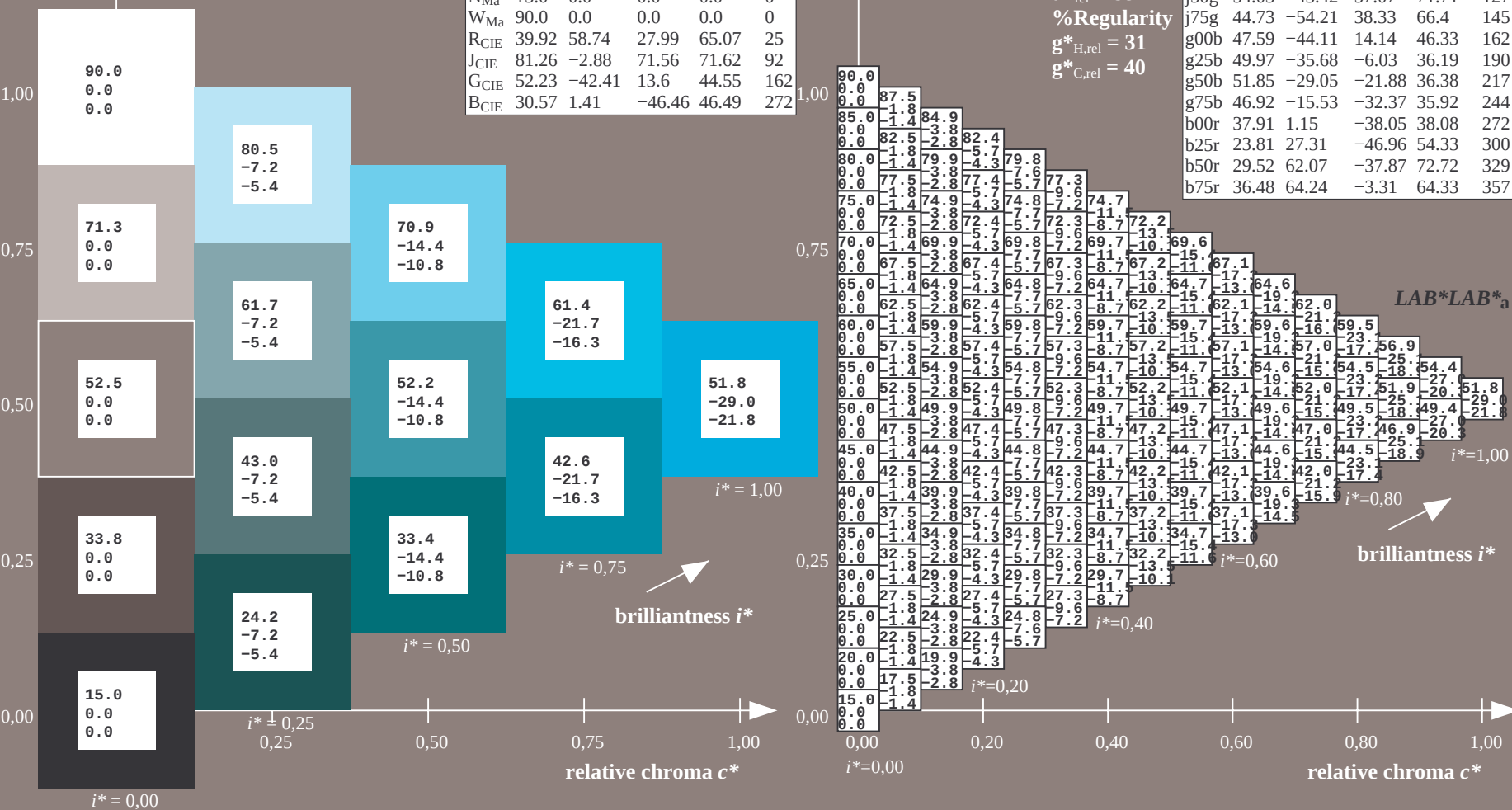
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

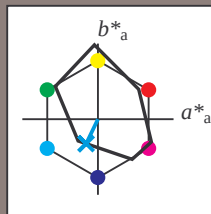
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

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

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

brilliantness i^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

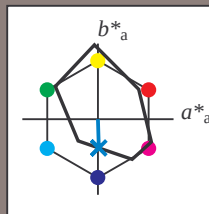
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -37

$LAB^*LCH^*_Ma$: 38 38 272

$lab^*rgb^*_Ma$: 0.0 0.0 1.0

$lab^*olv^*_Ma$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

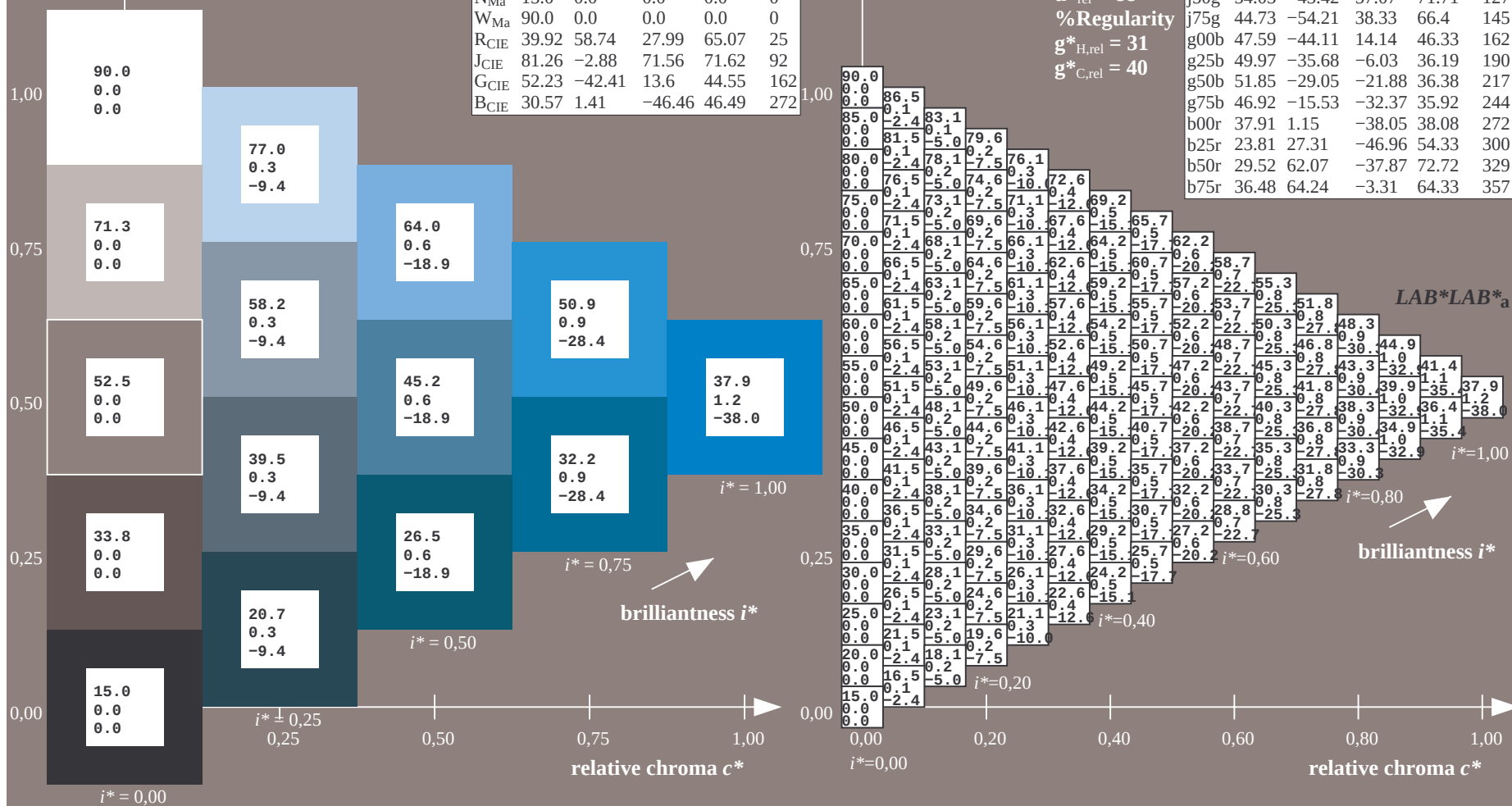
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

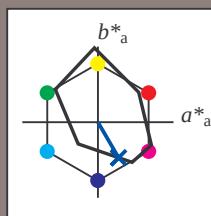
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

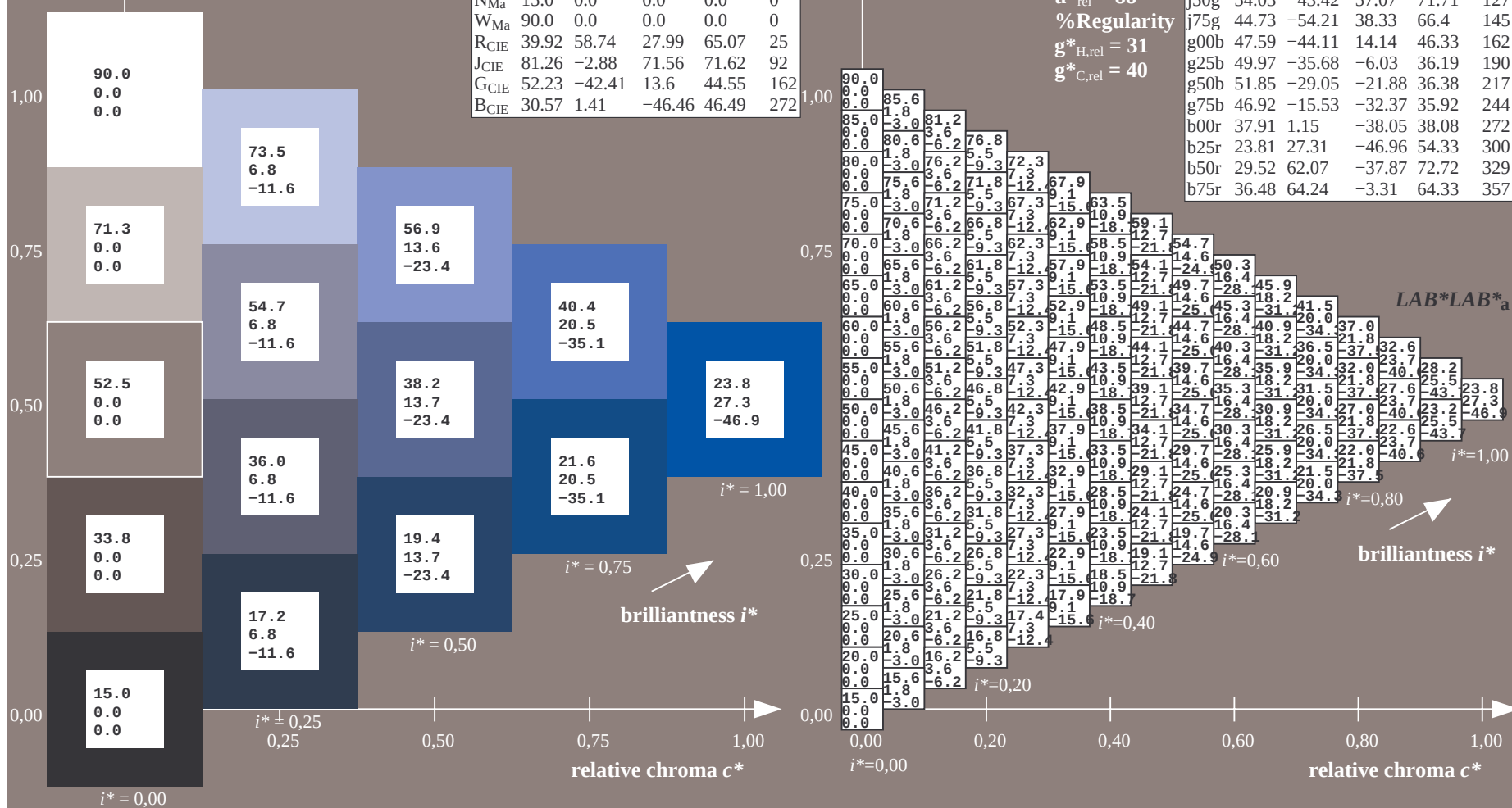
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

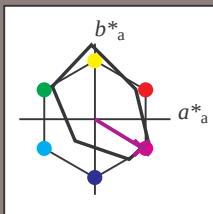
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

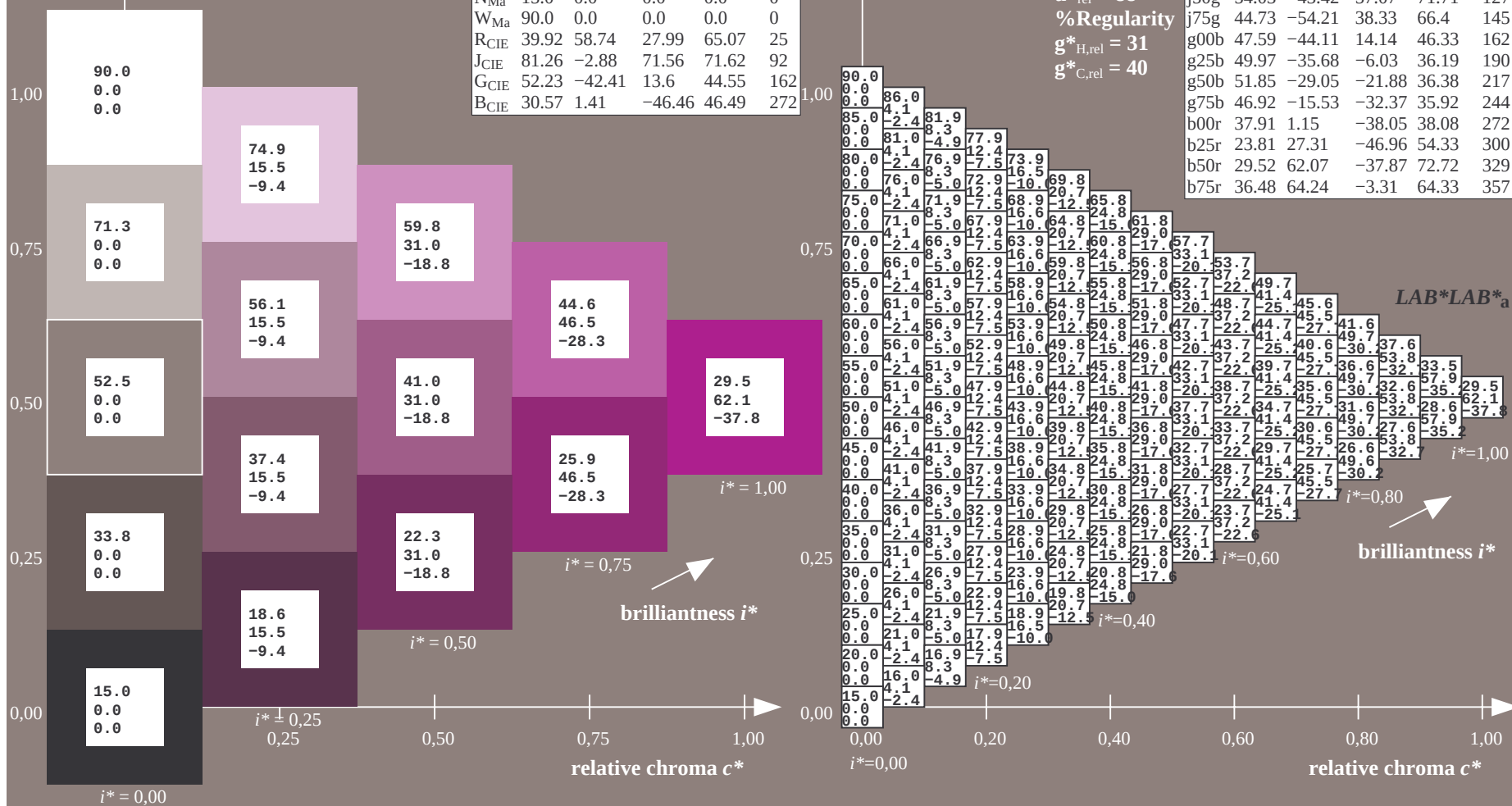
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

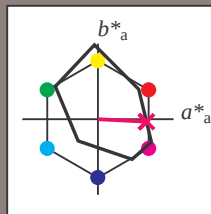
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

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

$i^* = 1.00$

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/De93/>; www.ps.bam.de/De93/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpx=0

BAM registration: 20080701-De93/10L/L93E00NA.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	15.0	18.6	22.3	25.9	29.6	33.2	36.9	40.5	44.1	47.7	51.3	54.9	58.5	62.1	65.7	69.3	72.9	76.5	80.1	83.7	87.3	90.9	94.5	98.1	101.7	105.3	108.9	112.5	116.1	119.7	123.3	126.9	130.5	134.1	137.7	141.3	144.9	148.5	152.1
02	14.9	19.7	23.4	27.0	30.6	34.3	37.9	41.6	45.2	48.8	52.5	56.1	59.8	63.4	67.1	70.7	74.4	78.0	81.7	85.3	89.0	92.6	96.3	99.9	103.6	107.2	110.9	114.5	118.2	121.8	125.5	129.1	132.8	136.4	140.1	143.7	147.4	151.0	
03	14.8	19.6	24.4	28.1	31.7	35.3	38.9	42.6	46.3	49.9	53.5	57.2	60.8	64.4	68.1	71.7	75.4	79.0	82.6	86.3	89.9	93.6	97.2	100.9	104.5	108.2	111.8	115.5	119.1	122.8	126.4	130.1	133.7	137.4	141.0	144.7	148.3	152.0	
04	14.7	19.5	24.3	29.1	32.8	36.4	40.0	43.7	47.3	50.9	54.6	58.2	61.8	65.4	69.1	72.7	76.3	80.0	83.6	87.2	90.8	94.5	98.1	101.7	105.3	108.9	112.5	116.1	119.7	123.3	126.9	130.5	134.1	137.7	141.3	144.9	148.5	152.1	
05	14.6	19.4	24.2	29.0	32.8	37.5	41.1	44.8	48.4	52.1	55.7	59.4	63.0	66.7	70.3	74.0	77.6	81.3	84.9	88.6	92.2	95.9	99.5	103.2	106.8	110.5	114.1	117.8	121.4	125.1	128.7	132.4	136.0	139.7	143.3	147.0	150.6		
06	14.5	19.3	24.1	28.9	33.7	38.5	42.2	45.9	49.6	53.3	57.0	60.7	64.4	68.1	71.8	75.5	79.2	82.9	86.6	90.3	94.0	97.7	101.4	105.1	108.8	112.5	116.2	120.0	123.7	127.4	131.1	134.8	138.5	142.2	145.9	149.6	153.3		
07	14.4	19.2	24.0	28.8	33.6	38.4	43.2	46.9	50.7	54.4	58.2	61.9	65.7	69.4	73.2	76.9	80.7	84.4	88.2	91.9	95.7	99.4	103.2	106.9	110.7	114.4	118.2	121.9	125.6	129.4	133.1	136.8	140.5	144.3	148.0	151.7	155.4		
08	14.3	19.1	23.9	28.7	33.5	38.3	43.1	46.8	50.6	54.4	58.2	61.9	65.7	69.4	73.2	76.9	80.7	84.4	88.2	91.9	95.7	99.4	103.2	106.9	110.7	114.4	118.2	121.9	125.6	129.4	133.1	136.8	140.5	144.3	148.0	151.7	155.4		
09	14.2	19.0	23.8	28.6	33.4	38.2	43.0	46.7	50.4	54.2	57.9	61.7	65.4	69.2	72.9	76.7	80.4	84.2	87.9	91.7	95.4	99.2	102.9	106.7	110.4	114.2	117.9	121.7	125.4	129.2	132.9	136.7	140.4	144.2	147.9	151.6	155.3		
10	14.1	18.9	23.7	28.5	33.3	38.1	42.8	46.6	50.3	54.1	57.8	61.6	65.3	69.1	72.8	76.6	80.3	84.1	87.8	91.6	95.3	99.1	102.8	106.6	110.3	114.1	117.8	121.6	125.3	129.1	132.8	136.6	140.3	144.1	147.8	151.6	155.3		
11	14.0	18.8	23.6	28.4	33.2	38.0	42.7	46.5	50.2	53.9	57.7	61.4	65.1	68.8	72.5	76.3	80.0	83.7	87.4	91.1	94.8	98.5	102.2	105.9	109.6	113.3	117.0	120.7	124.4	128.1	131.8	135.5	139.2	142.9	146.6	150.3	154.0		
12	13.9	18.7	23.5	28.3	33.1	37.9	42.6	46.4	50.1	53.8	57.5	61.2	64.9	68.6	72.3	76.0	79.7	83.4	87.1	90.8	94.5	98.2	101.9	105.6	109.3	113.0	116.7	120.4	124.1	127.8	131.5	135.2	138.9	142.6	146.3	150.0	153.7		
13	13.8	18.6	23.4	28.2	33.0	37.8	42.5	46.3	50.0	53.7	57.4	61.1	64.8	68.5	72.2	75.9	79.6	83.3	87.0	90.7	94.4	98.1	101.8	105.5	109.2	112.9	116.6	120.3	124.0	127.7	131.4	135.1	138.8	142.5	146.2	149.9	153.6		
14	13.7	18.5	23.3	28.1	32.9	37.7	42.4	46.2	49.9	53.6	57.3	61.0	64.7	68.4	72.1	75.8	79.5	83.2	86.9	90.6	94.3	98.0	101.7	105.4	109.1	112.8	116.5	120.2	123.9	127.6	131.3	135.0	138.7	142.4	146.1	149.8	153.5		
15	13.6	18.4	23.2	27.9	32.7	37.5	42.2	46.0	49.7	53.4	57.1	60.8	64.5	68.2	71.9	75.6	79.3	83.0	86.7	90.4	94.1	97.8	101.5	105.2	108.9	112.6	116.3	120.0	123.7	127.4	131.1	134.8	138.5	142.2	145.9	149.6	153.3		
16	13.5	18.3	23.1	27.7	32.5	37.3	42.0	45.8	49.5	53.2	56.9	60.6	64.3	68.0	71.7	75.4	79.1	82.8	86.5	90.2	93.9	97.6	101.3	105.0	108.7	112.4	116.1	119.8	123.5	127.2	130.9	134.6	138.3	142.0	145.7	149.4	153.1		
17	13.4	18.2	23.0	27.5	32.3	37.1	41.8	45.6	49.3	53.0	56.7	60.4	64.1	67.8	71.5	75.2	78.9	82.6	86.3	90.0	93.7	97.4	101.1	104.8	108.5	112.2	115.9	119.6	123.3	127.0	130.7	134.4	138.1	141.8	145.5	149.2	152.9		
18	13.3	18.1	22.9	27.3	32.1	36.9	41.6	45.4	49.1	52.8	56.5	60.2	63.9	67.6	71.3	75.0	78.7	82.4	86.1	89.8	93.5	97.2	100.9	104.6	108.3	112.0	115.7	119.4	123.1	126.8	130.5	134.2	137.9	141.6	145.3	149.0	152.7		
19	13.2	18.0	22.8	27.1	31.9	36.7	41.4	45.2	48.9	52.6	56.3	60.0	63.7	67.4	71.1	74.8	78.5	82.2	85.9	89.6	93.3	97.0	100.7	104.4	108.1	111.8	115.5	119.2	122.9	126.6	130.3	134.0	137.7	141.4	145.1	148.8	152.5		
20	13.1	17.9	22.7	27.0	31.8	36.6	41.3	45.1	48.8	52.5	56.2	59.9	63.6	67.3	71.0	74.7	78.4	82.1	85.8	89.5	93.2	96.9	100.6	104.3	108.0	111.7	115.4	119.1	122.8	126.5	130.2	133.9	137.6	141.3	145.0	148.7	152.4		
21	13.0	17.8	22.6	27.0	31.7	36.5	41.1	44.9	48.6	52.3	56.0	59.7	63.4	67.1	70.8	74.5	78.2	81.9	85.6	89.3	93.0	96.7	100.4	104.1	107.8	111.5	115.2	118.9	122.6	126.3	130.0	133.7	137.4	141.1	144.8	148.5	152.2		
22	12.9	17.7	22.5	26.9	31.6	36.4	41.0	44.8	48.5	52.2	55.9	59.6	63.3	67.0	70.7	74.4	78.1	81.8	85.5	89.2	92.9	96.6	100.3	104.0	107.7	111.4	115.1	118.8	122.5	126.2	129.9	133.6	137.3	141.0	144.7	148.4	152.1		
23	12.8	17.6	22.4	26.7	31.5	36.3	40.9	44.7	48.4	52.1	55.8	59.5	63.2	66.9	70.6	74.3	78.0	81.7	85.4	89.1	92.8	96.5	100.2	103.9	107.6	111.3	115.0	118.7	122.4	126.1	129.8	133.5	137.2	140.9	144.6	148.3	152.0		
24	12.7	17.5	22.3	26.6	31.4	36.2	40.8	44.6	48.3	52.0	55.7	59.4	63.1	66.8	70.5	74.2	77.9	81.6	85.3	89.0	92.7	96.4	100.1	103.8	107.5	111.2	114.9	118.6	122.3	126.0	129.7	133.4	137.1	140.8	144.5	148.2	151.9		
25	12.6	17.4	22.2	26.5	31.3	36.1	40.7	44.5	48.2	51.9	55.6	59.3	63.0	66.7	70.4	74.1	77.8	81.5	85.2	88.9	92.6	96.3	100.0	103.7	107.4	111.1	114.8	118.5	122.2	125.9	129.6	133.3	137.0	140.7	144.4	148.1	151.8		
26	12.5	17.3	22.1	26.4	31.2	36.0	40.6	44.4	48.1	51.8	55.5	59.2	62.9	66.6	70.3	74.0	77.7	81.4	85.1	88.8	92.5	96.2	99.9	103.6	107.3	111.0	114.7	118.4	122.1	125.8	129.5	133.2	136.9	140.6	144.3	148.0	151.7		
27	12.4	17.2	22.0	26.3	31.1	35.9	40.5	44.3	48.0	51.7	55.4	59.1	62.8	66.5	70.2	73.9	77.6	81.3	85.0	88.7	92.4	96.1	99.8	103.5	107.2	110.9	114.6	118.3	122.0	125.7	129.4	133.1	136.8	140.5	144.2	147.9	151.6		

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

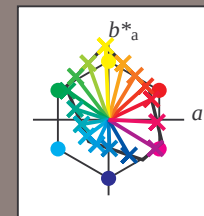
$u^* = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut

$u^*_{rel} = 88$

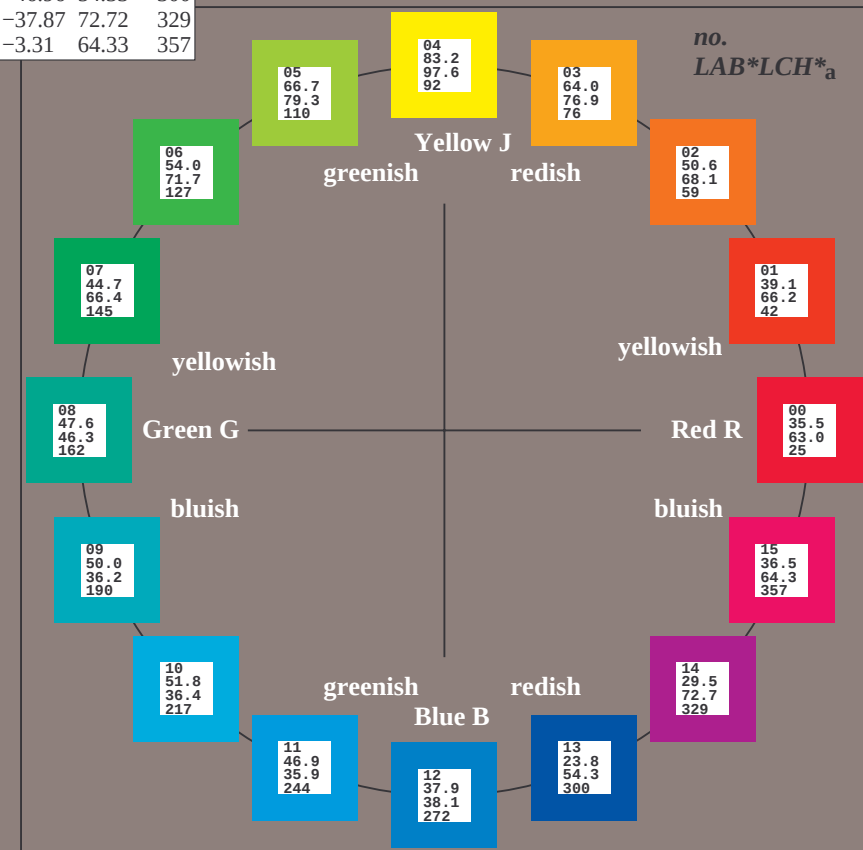
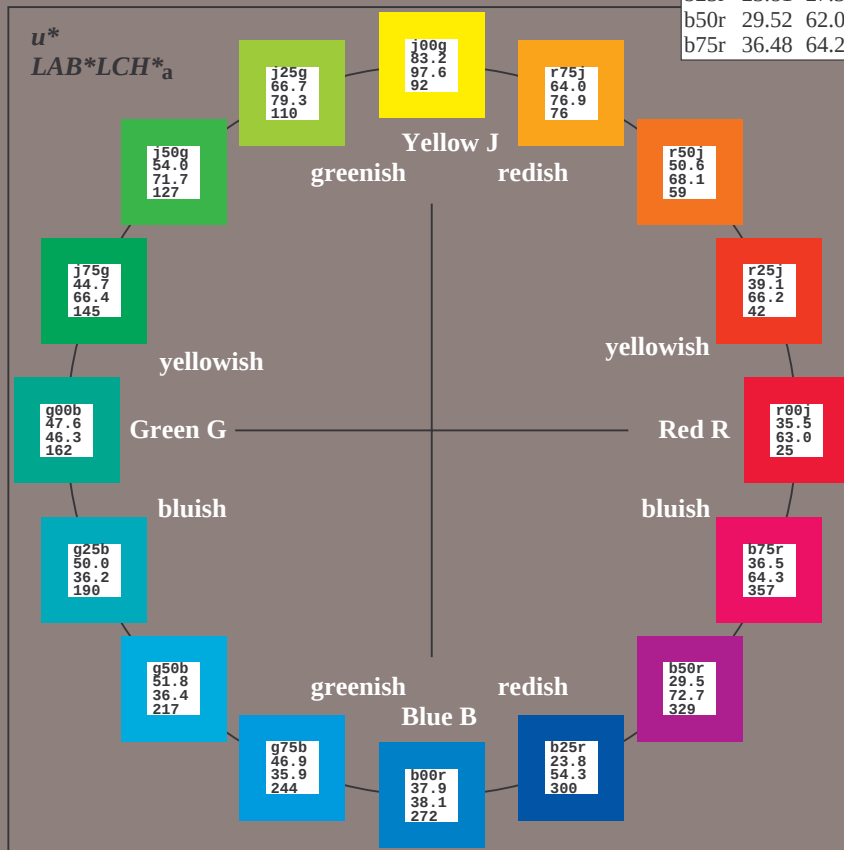
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	35.06	53.93	39.55	66.88	36
YMa	83.77	-4.63	98.26	98.37	93
LMa	44.13	-56.32	43.36	71.09	142
CMa	52.66	-26.18	-28.74	38.89	228
VMa	14.15	45.22	-53.06	69.72	310
MMa	37.37	70.69	-30.1	76.83	337
NMa	15.0	0.0	0.0	0.0	0
WMa	90.0	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

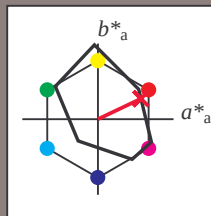
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

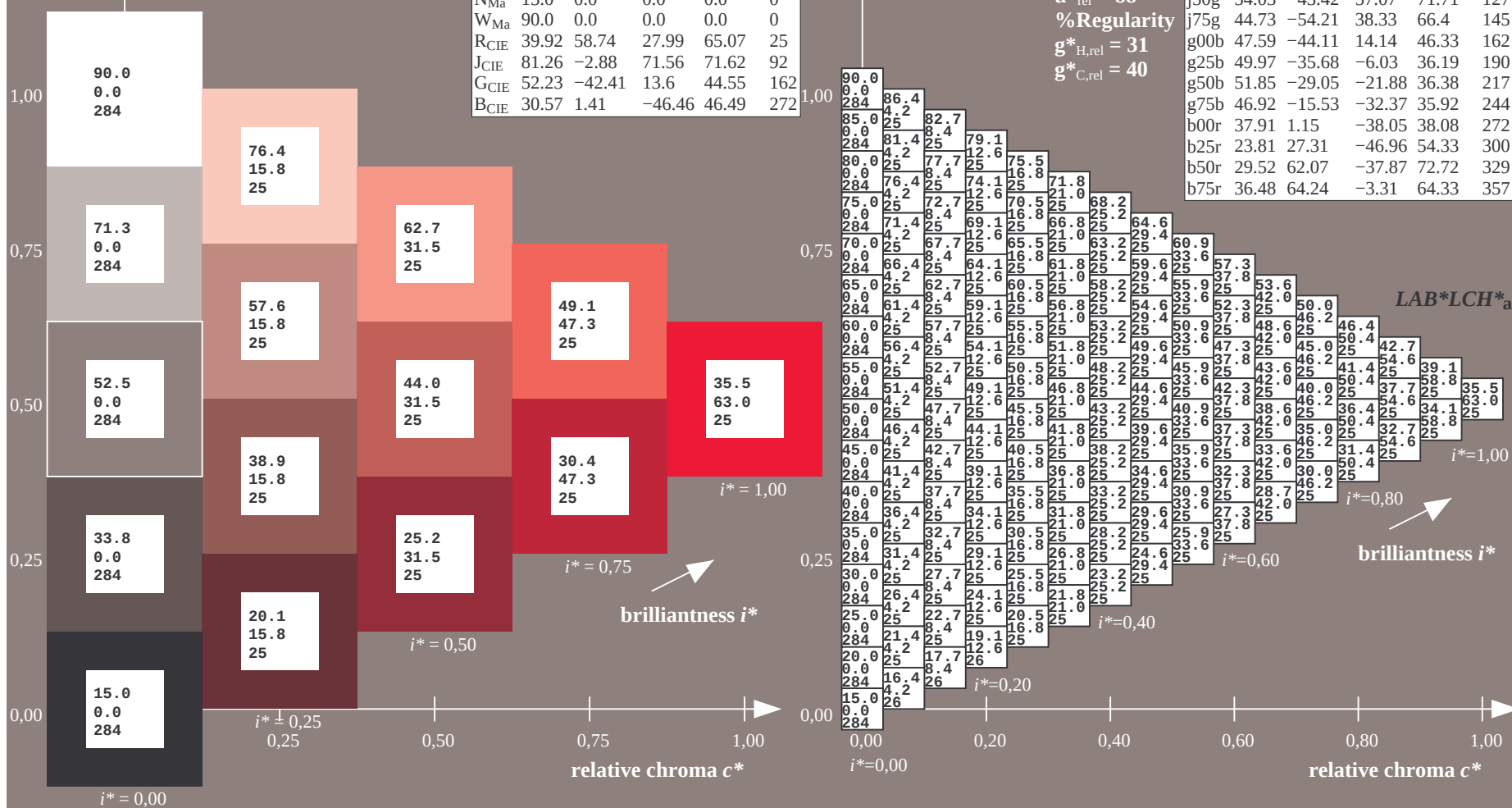
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

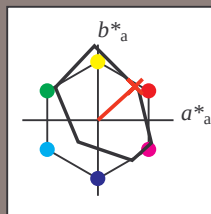
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

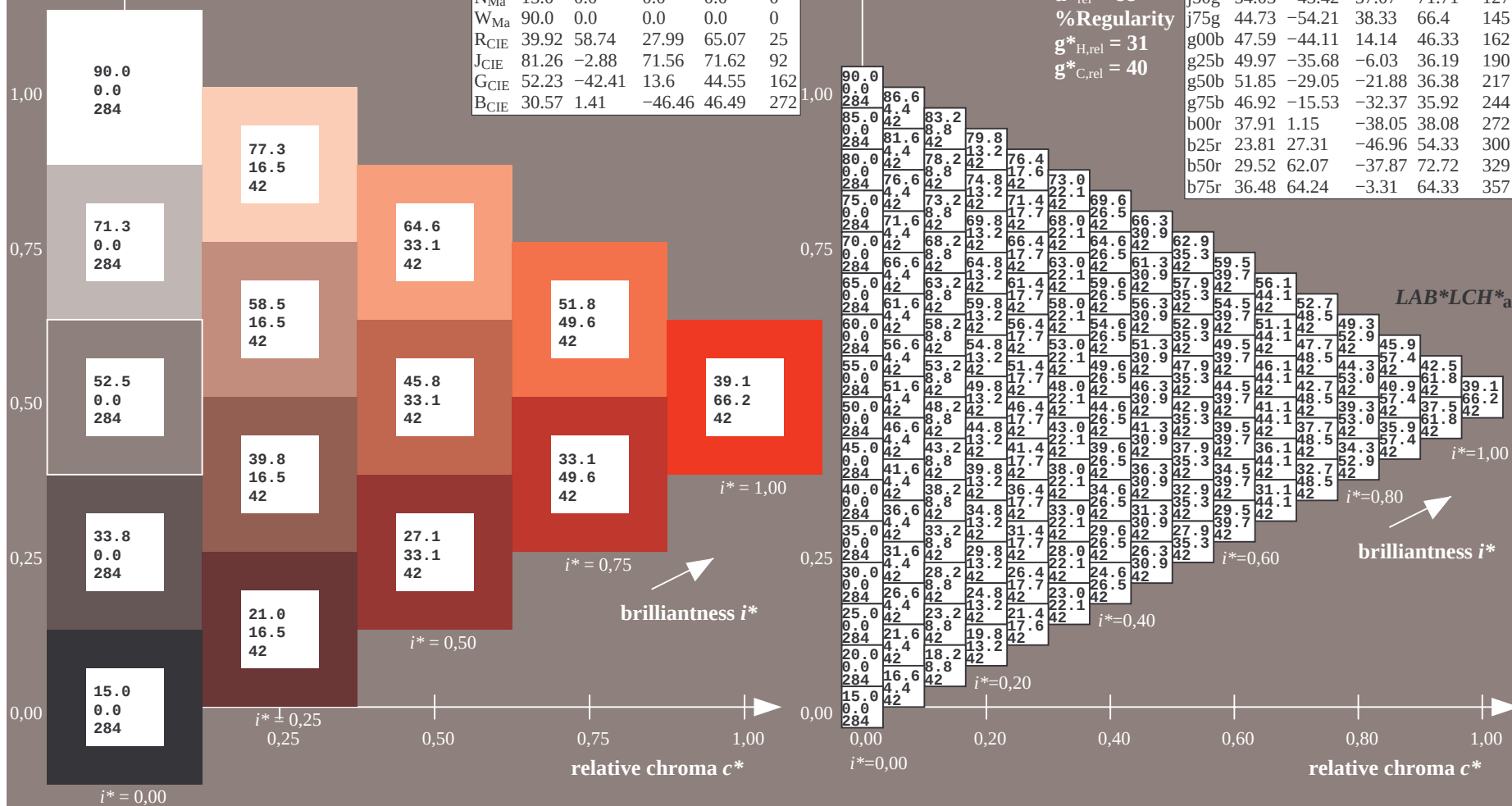
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

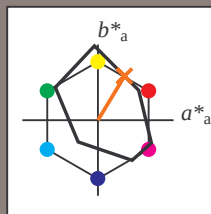
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

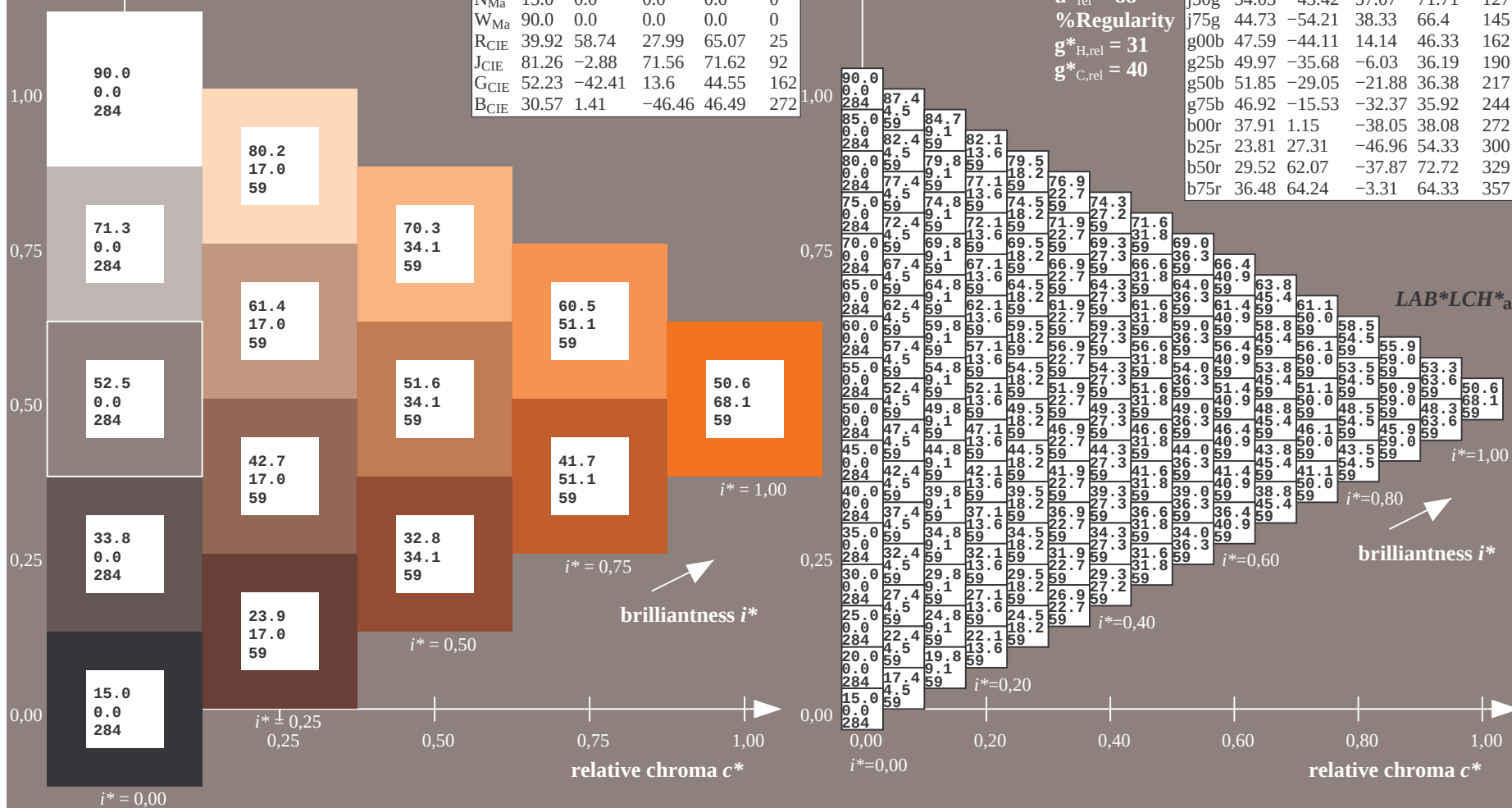
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

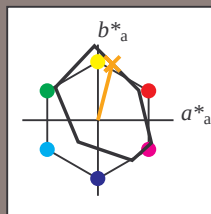
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

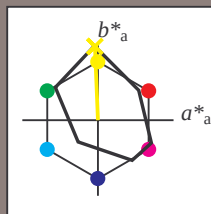
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

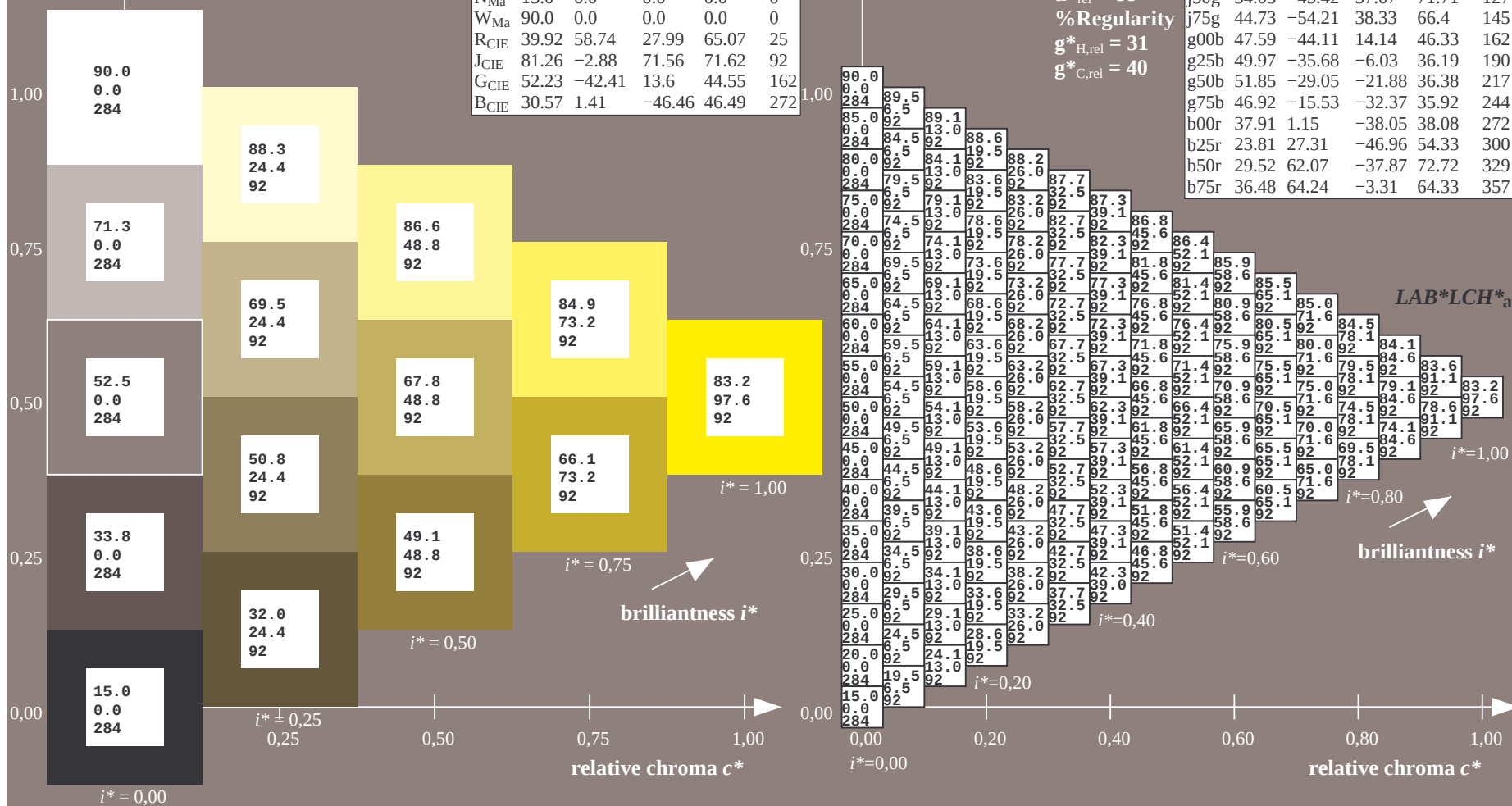
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

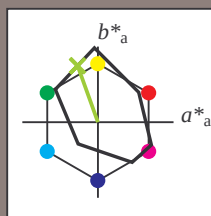
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

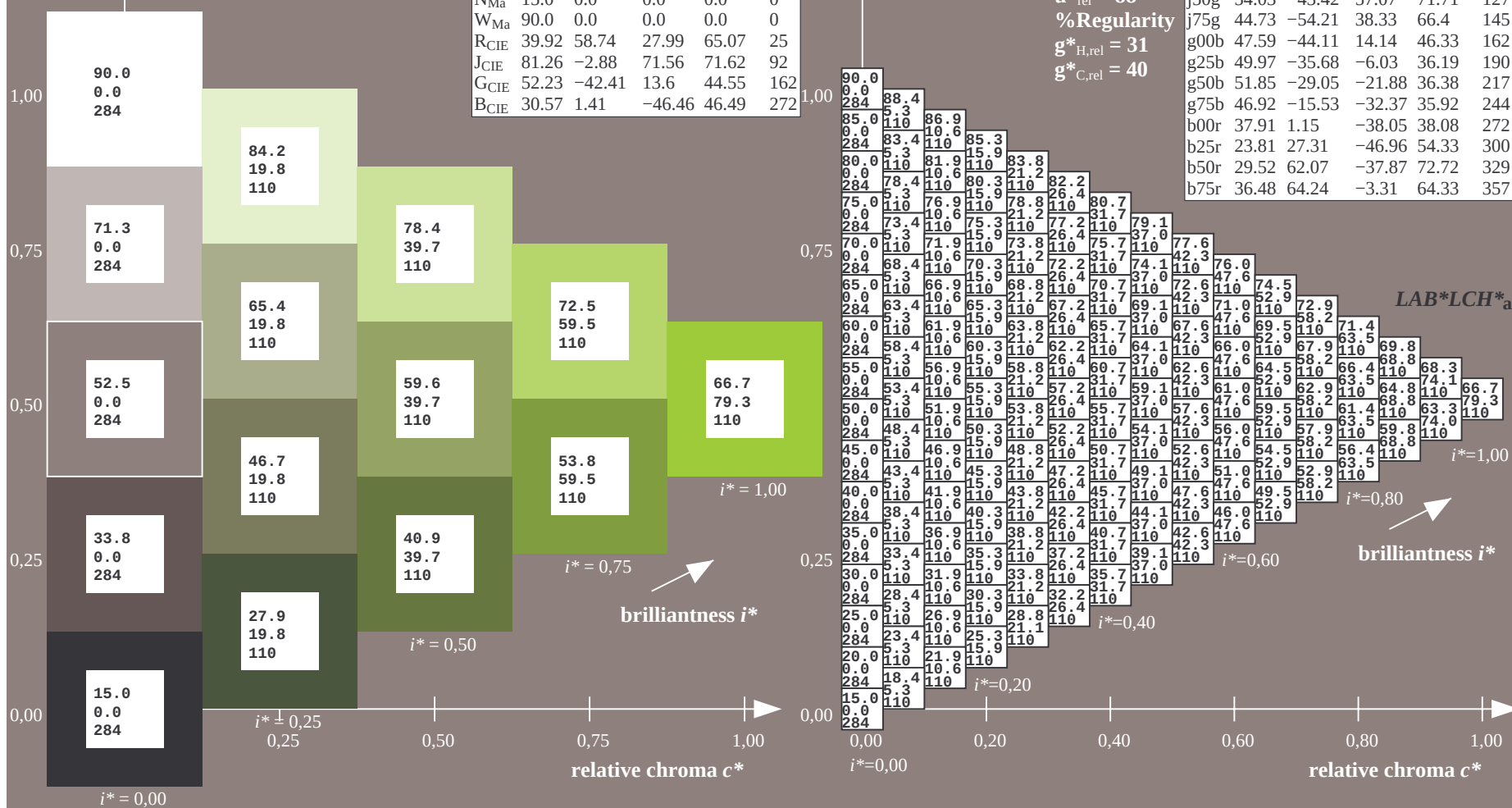
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

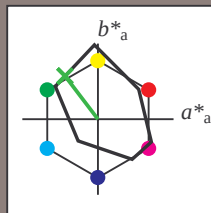
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
Y _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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^*

$i^* \pm 0.25$

0.25

0.50

0.75

1.00

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

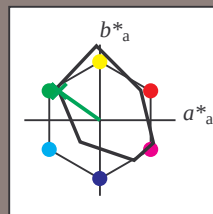
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

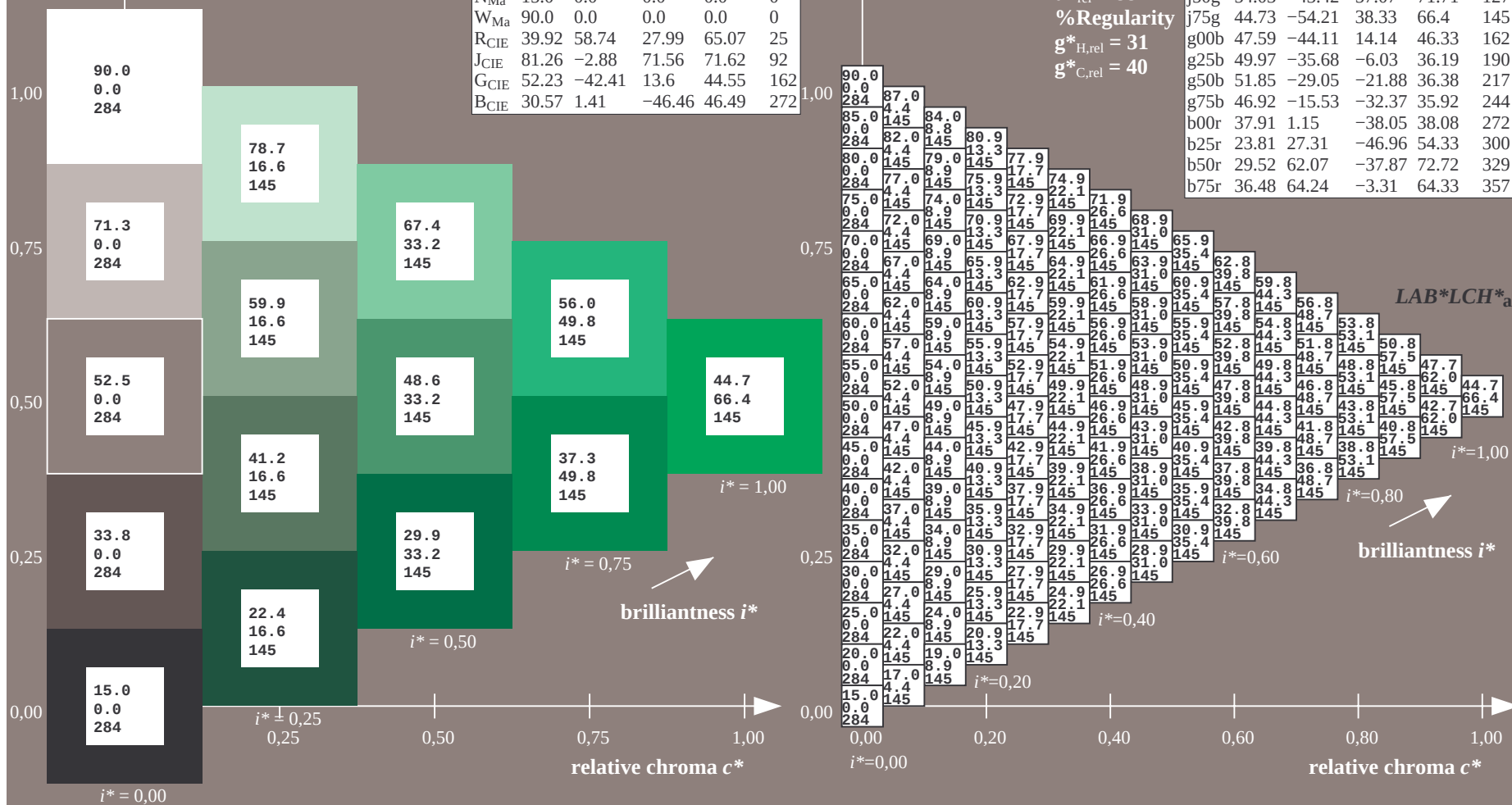
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

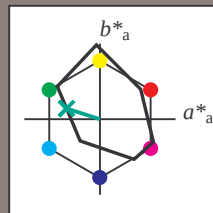
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
Y _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

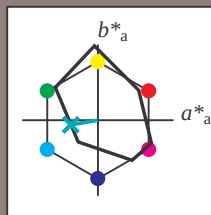
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

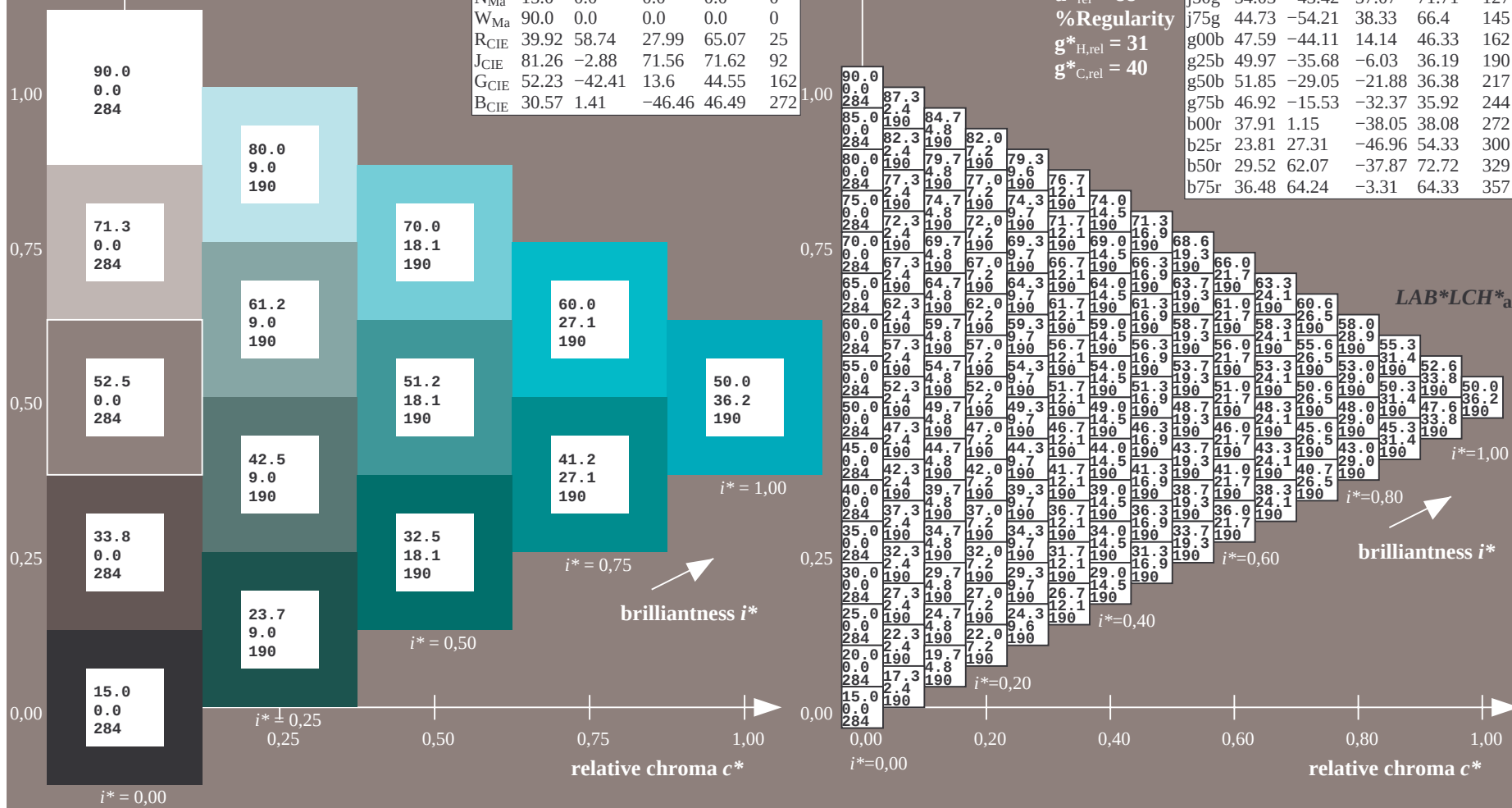
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

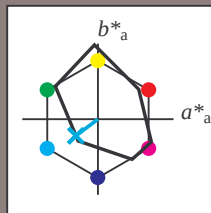
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

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

$i^*=1.00$

brilliantness i^*

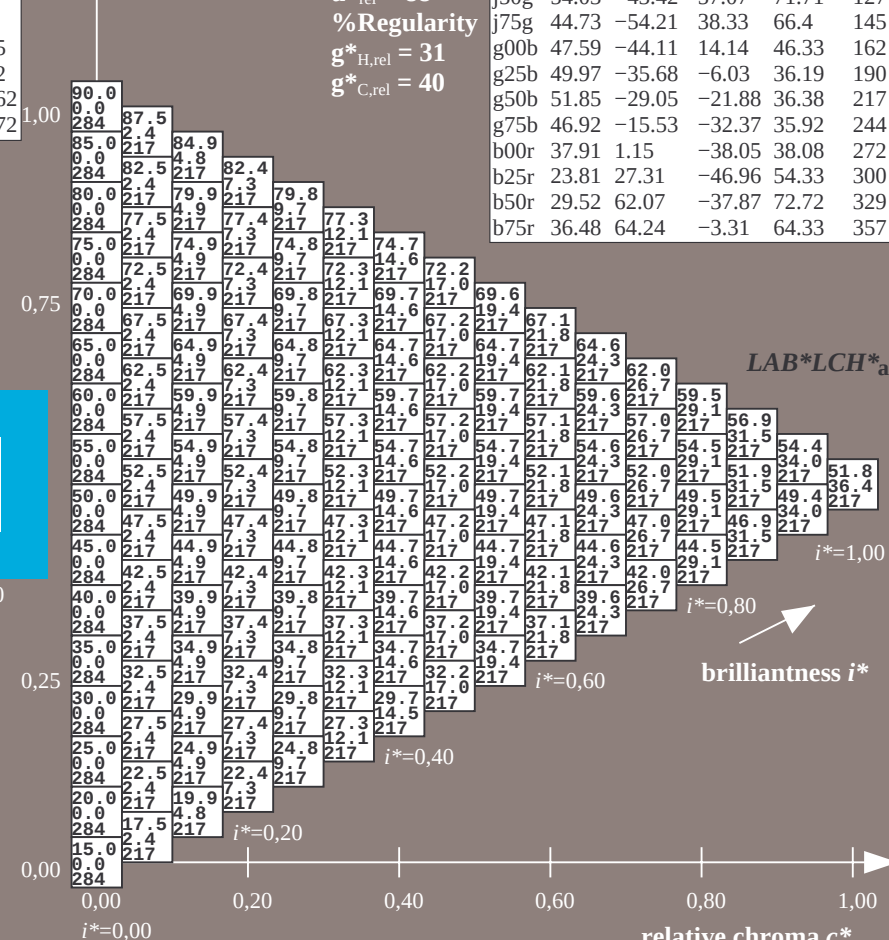
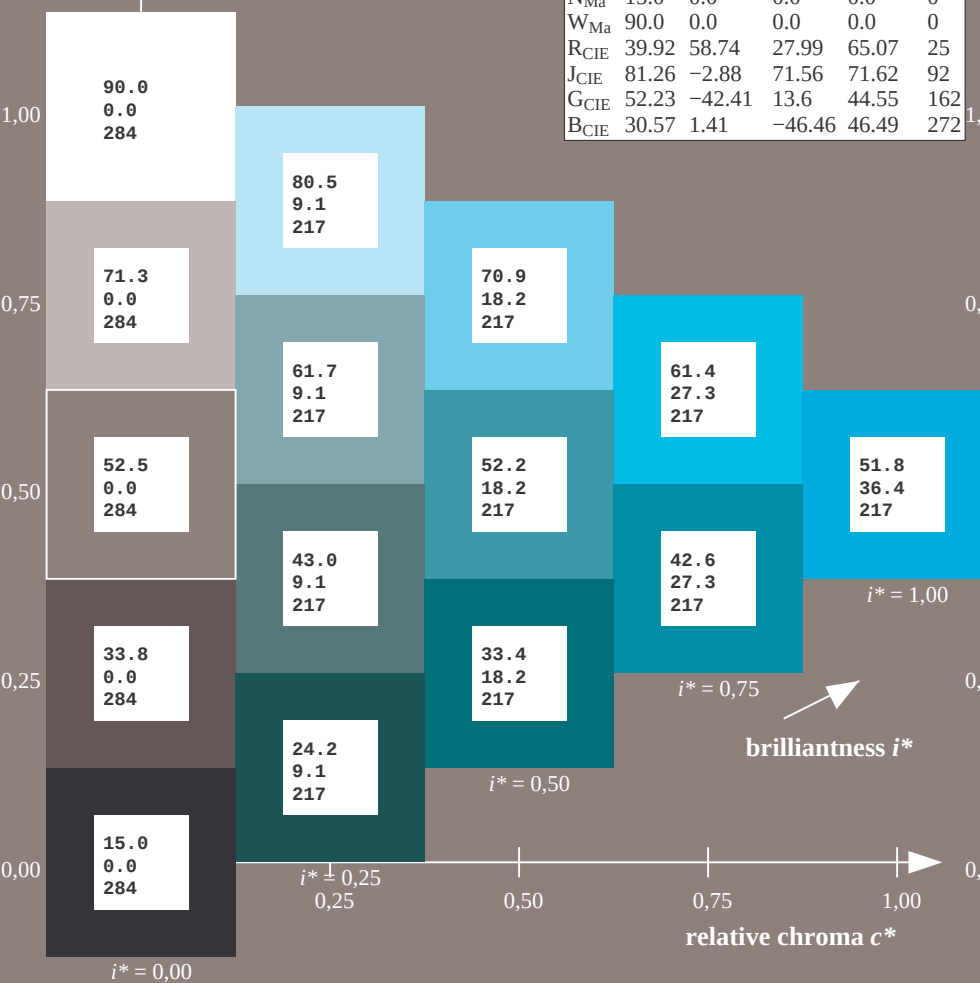
$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

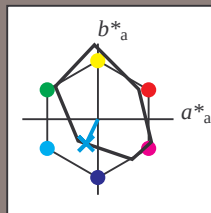
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

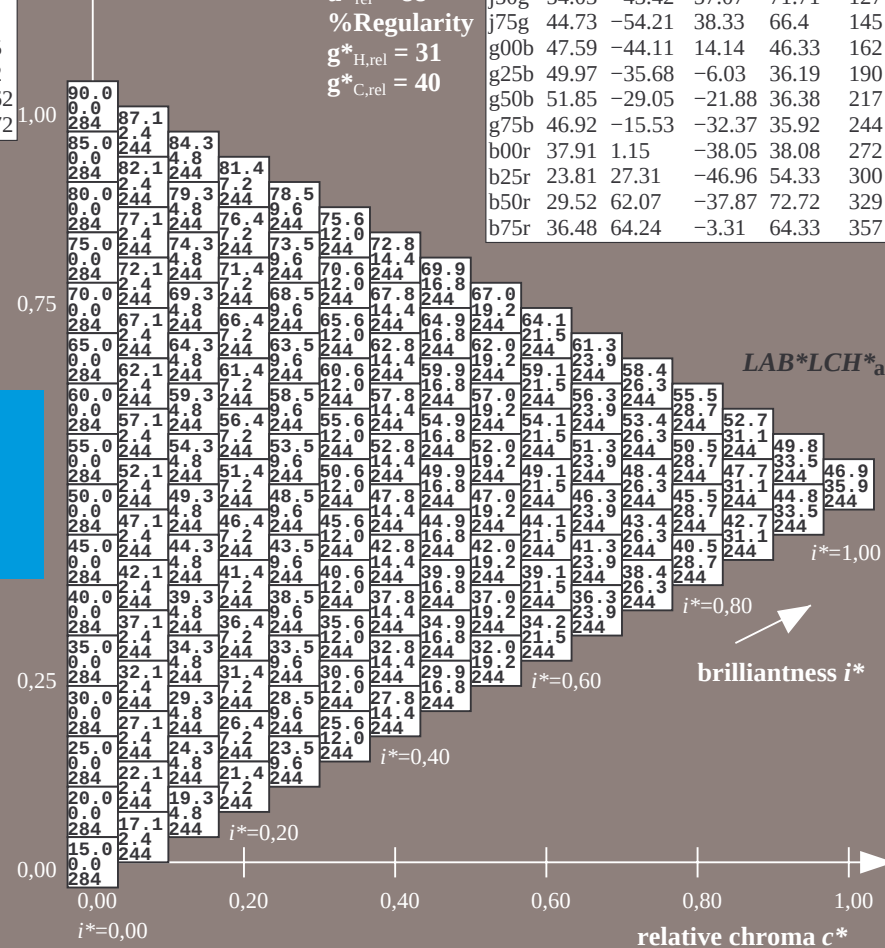
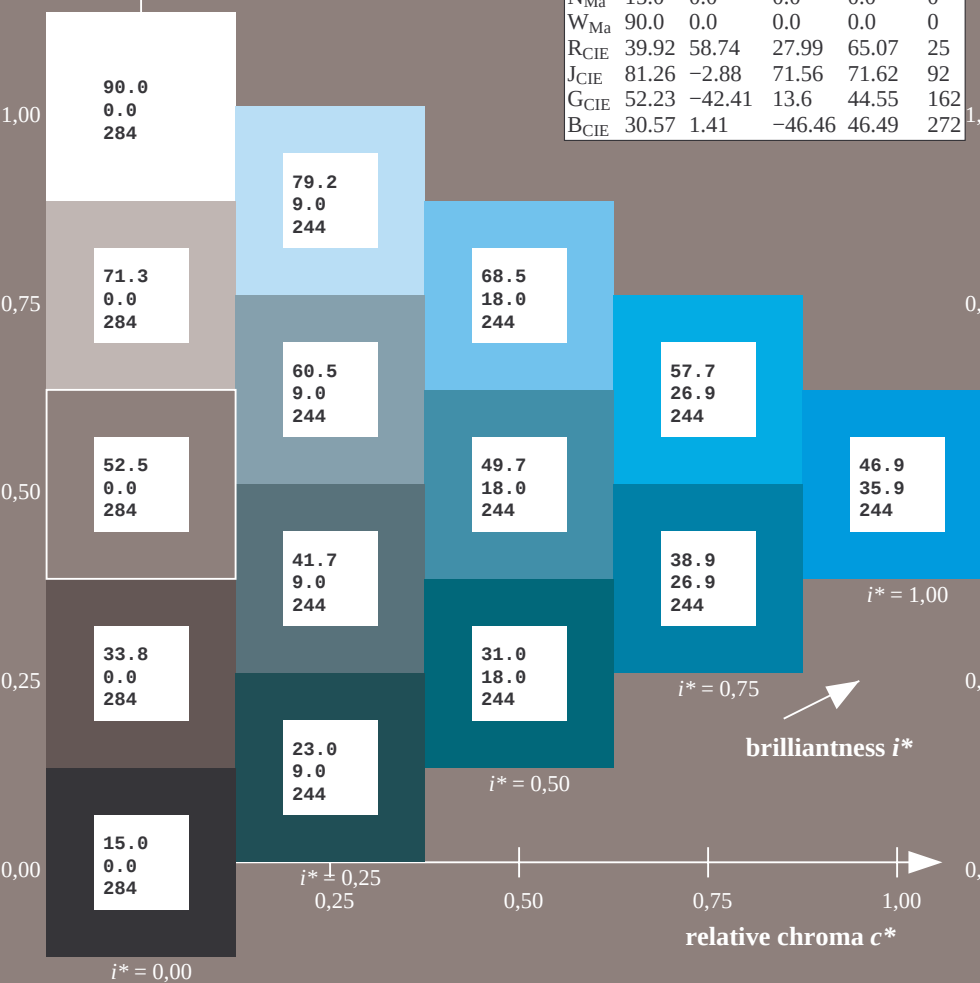
$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

brilliantness i^*



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

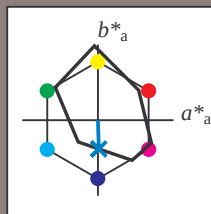
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -37

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

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

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

triangle lightness t^*

%Gamut

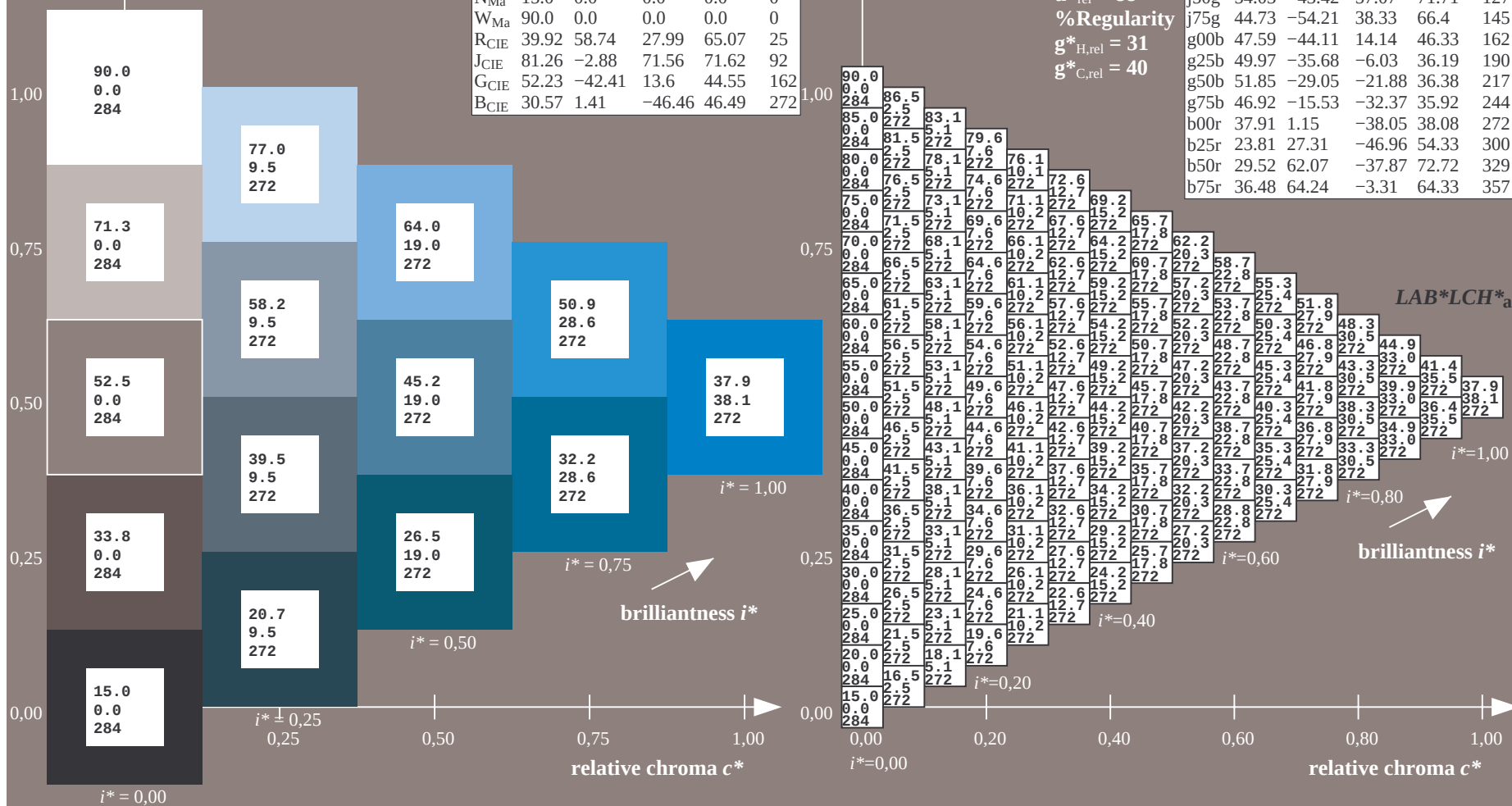
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

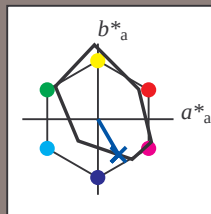
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

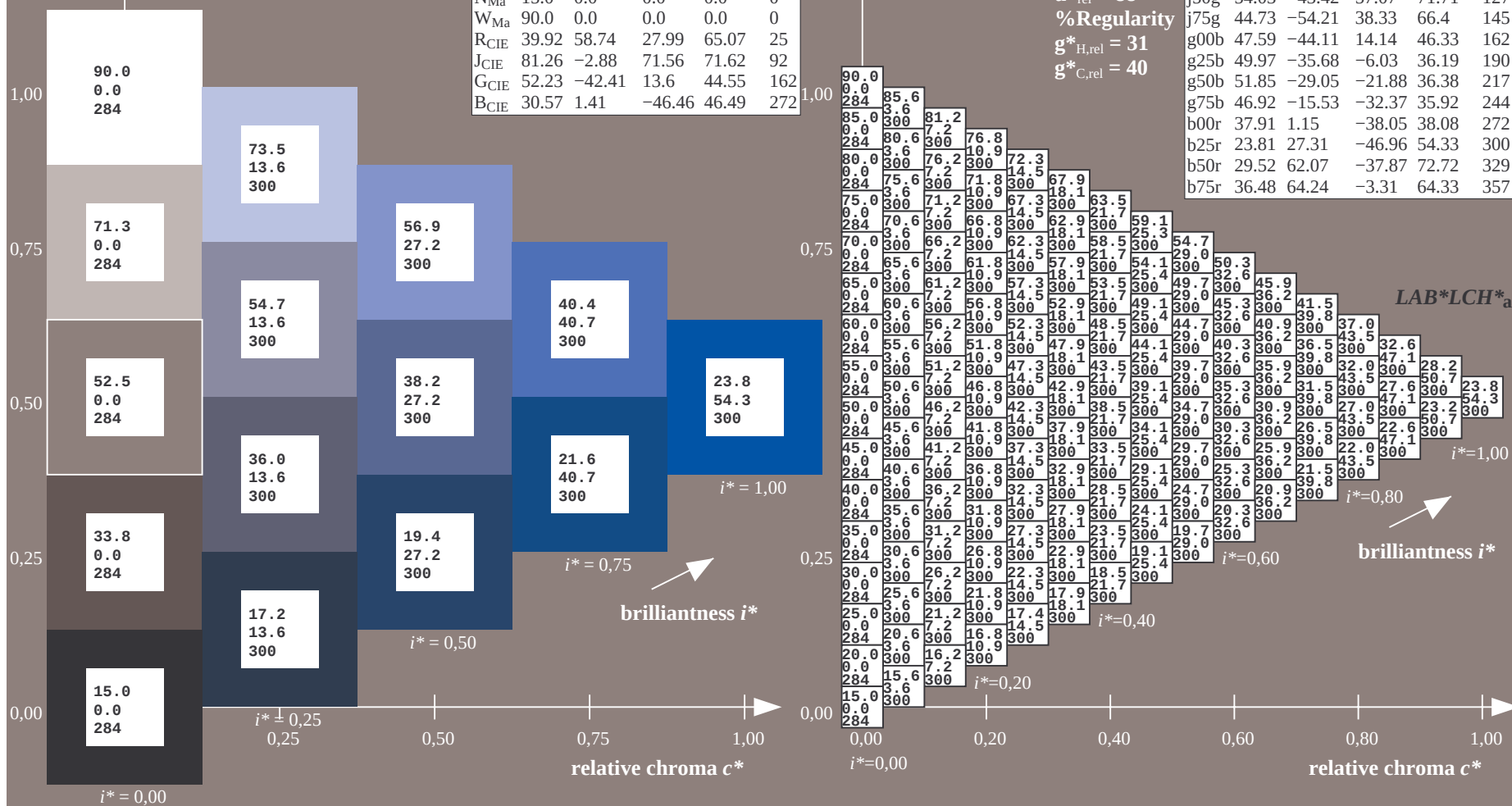
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

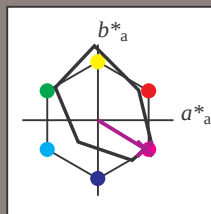
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

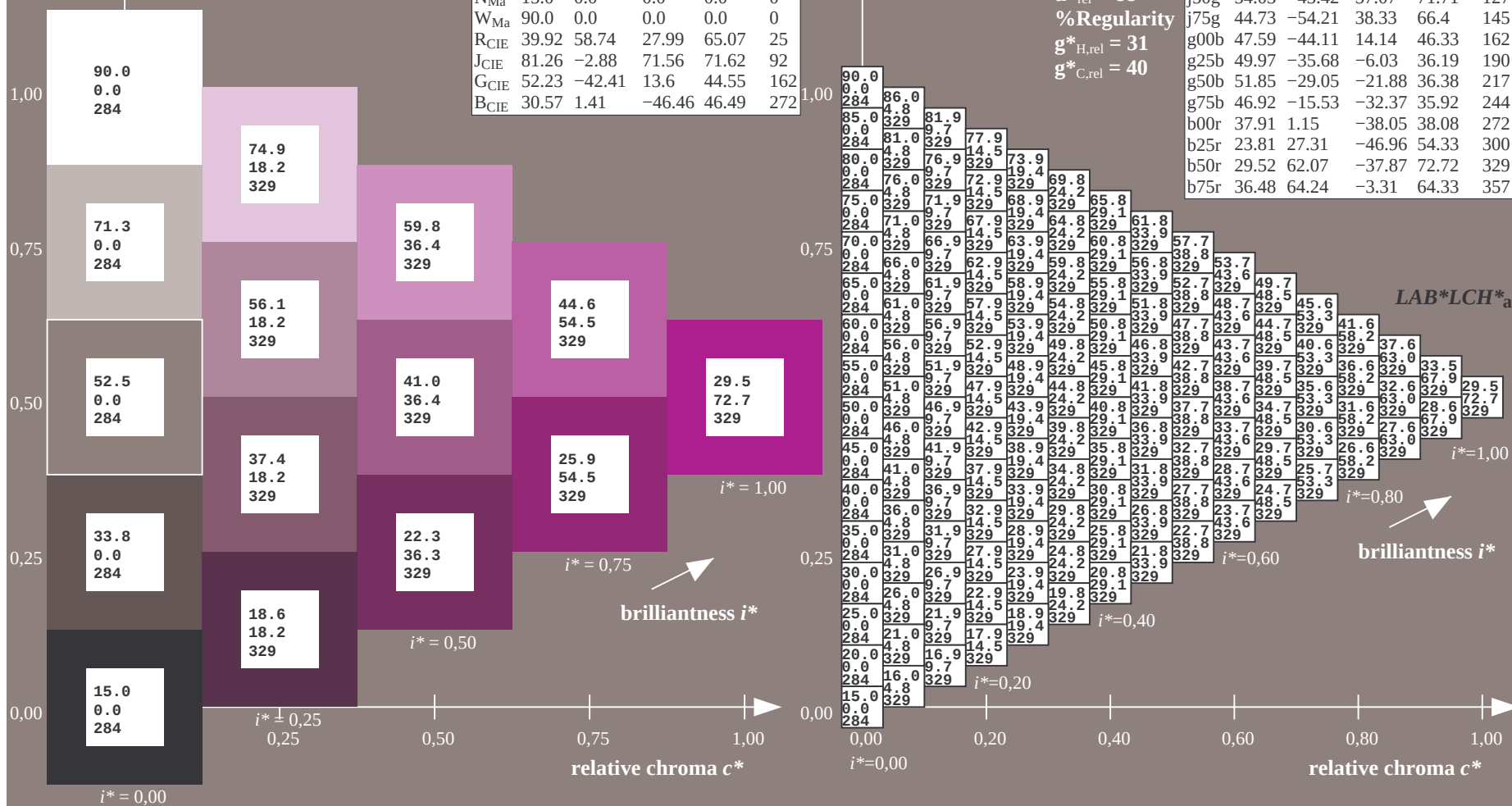
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

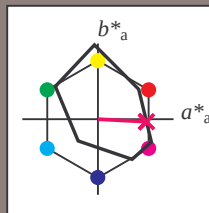
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

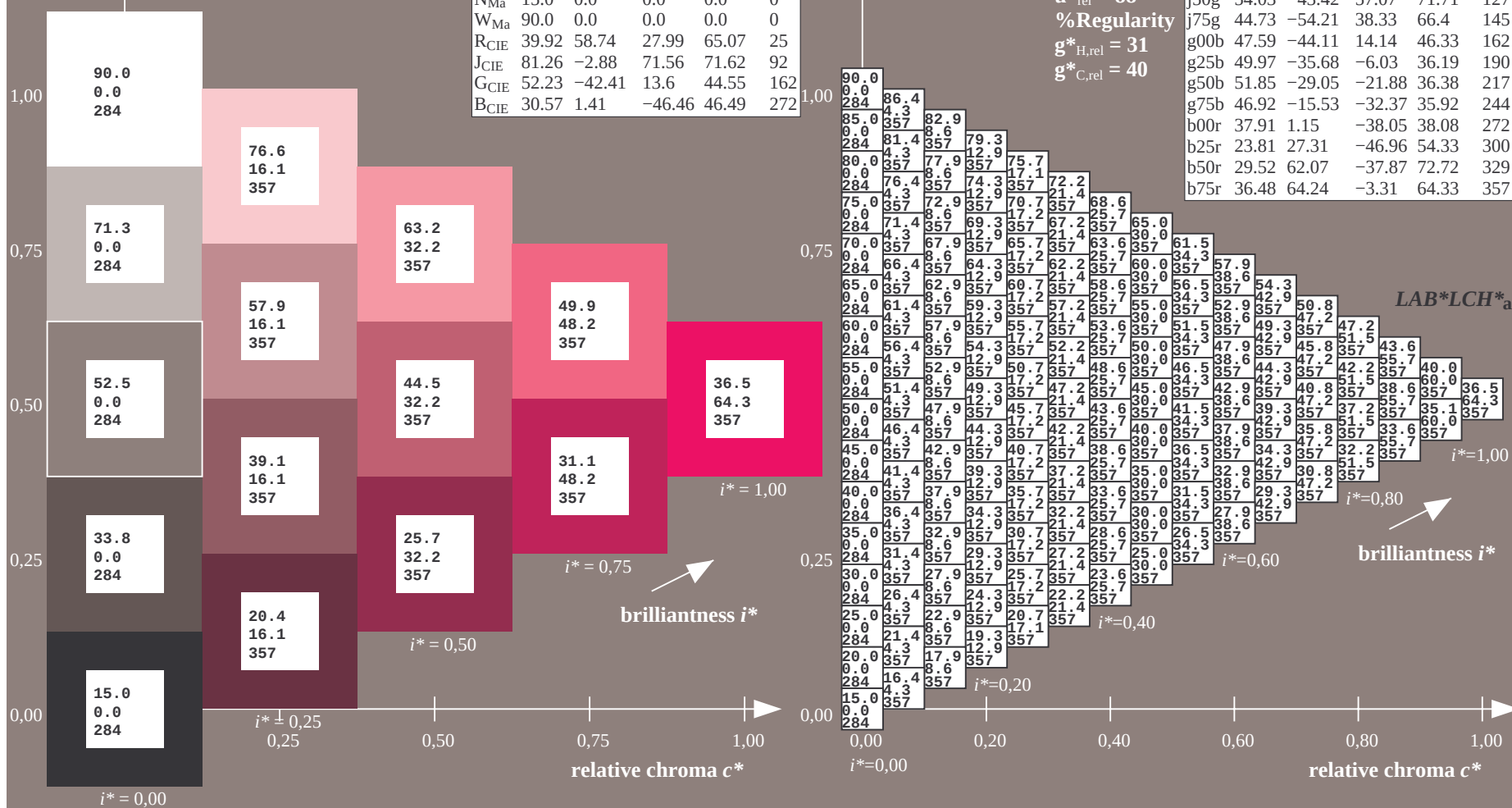
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



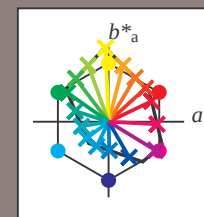
See for similar files: <http://www.ps.bam.de/De93/>; www.ps.bam.de/De93/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

BAM registration: 20080701-De93/10L/L93E00NA.PS/.TXT BAM material: code=rhadata
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	15.0	18.6	22.3	25.9	29.6	33.2	36.9	40.5	44.1	47.5	50.8	54.0	57.2	60.4	63.6	66.8	69.9	73.0	76.1	79.2	82.3	85.4	88.5	91.6	94.7	97.8	100.9	104.0	107.1	110.2	113.3	116.4	119.5	122.6	125.7	128.8	131.9	135.0	138.1	141.2	144.3	147.4	150.5	153.6	156.7	159.8	162.9	166.0	169.1	172.2	175.3	178.4	181.5	184.6	187.7	190.8	193.9	197.0	200.1	203.2	206.3	209.4	212.5	215.6	218.7	221.8	224.9	228.0	231.1	234.2	237.3	240.4	243.5	246.6	249.7	252.8	255.9	259.0	262.1	265.2	268.3	271.4	274.5	277.6	280.7	283.8	286.9	290.0	293.1	296.2	299.3	302.4	305.5	308.6	311.7	314.8	317.9	321.0	324.1	327.2	330.3	333.4	336.5	339.6	342.7	345.8	348.9	352.0	355.1	358.2	361.3	364.4	367.5	370.6	373.7	376.8	379.9	383.0	386.1	389.2	392.3	395.4	398.5	401.6	404.7	407.8	410.9	414.0	417.1	420.2	423.3	426.4	429.5	432.6	435.7	438.8	441.9	445.0	448.1	451.2	454.3	457.4	460.5	463.6	466.7	469.8	472.9	476.0	479.1	482.2	485.3	488.4	491.5	494.6	497.7	500.8	503.9	507.0	510.1	513.2	516.3	519.4	522.5	525.6	528.7	531.8	534.9	538.0	541.1	544.2	547.3	550.4	553.5	556.6	559.7	562.8	565.9	569.0	572.1	575.2	578.3	581.4	584.5	587.6	590.7	593.8	596.9	600.0	603.1	606.2	609.3	612.4	615.5	618.6	621.7	624.8	627.9	631.0	634.1	637.2	640.3	643.4	646.5	649.6	652.7	655.8	658.9	662.0	665.1	668.2	671.3	674.4	677.5	680.6	683.7	686.8	689.9	693.0	696.1	699.2	702.3	705.4	708.5	711.6	714.7	717.8	720.9	724.0	727.1	730.2	733.3	736.4	739.5	742.6	745.7	748.8	751.9	755.0	758.1	761.2	764.3	767.4	770.5	773.6	776.7	779.8	782.9	786.0	789.1	792.2	795.3	798.4	801.5	804.6	807.7	810.8	813.9	817.0	820.1	823.2	826.3	829.4	832.5	835.6	838.7	841.8	844.9	848.0	851.1	854.2	857.3	860.4	863.5	866.6	869.7	872.8	875.9	879.0	882.1	885.2	888.3	891.4	894.5	897.6	900.7	903.8	906.9	909.0	912.1	915.2	918.3	921.4	924.5	927.6	930.7	933.8	936.9	940.0	943.1	946.2	949.3	952.4	955.5	958.6	961.7	964.8	967.9	971.0	974.1	977.2	980.3	983.4	986.5	989.6	992.7	995.8	998.9	1002.0	1005.1	1008.2	1011.3	1014.4	1017.5	1020.6	1023.7	1026.8	1029.9	1033.0	1036.1	1039.2	1042.3	1045.4	1048.5	1051.6	1054.7	1057.8	1060.9	1064.0	1067.1	1070.2	1073.3	1076.4	1079.5	1082.6	1085.7	1088.8	1091.9	1095.0	1098.1	1101.2	1104.3	1107.4	1110.5	1113.6	1116.7	1119.8	1122.9	1126.0	1129.1	1132.2	1135.3	1138.4	1141.5	1144.6	1147.7	1150.8	1153.9	1157.0	1160.1	1163.2	1166.3	1169.4	1172.5	1175.6	1178.7	1181.8	1184.9	1188.0	1191.1	1194.2	1197.3	1200.4	1203.5	1206.6	1209.7	1212.8	1215.9	1219.0	1222.1	1225.2	1228.3	1231.4	1234.5	1237.6	1240.7	1243.8	1246.9	1250.0	1253.1	1256.2	1259.3	1262.4	1265.5	1268.6	1271.7	1274.8	1277.9	1281.0	1284.1	1287.2	1290.3	1293.4	1296.5	1299.6	1302.7	1305.8	1308.9	1312.0	1315.1	1318.2	1321.3	1324.4	1327.5	1330.6	1333.7	1336.8	1339.9	1343.0	1346.1	1349.2	1352.3	1355.4	1358.5	1361.6	1364.7	1367.8	1370.9	1374.0	1377.1	1380.2	1383.3	1386.4	1389.5	1392.6	1395.7	1398.8	1401.9	1405.0	1408.1	1411.2	1414.3	1417.4	1420.5	1423.6	1426.7	1429.8	1432.9	1436.0	1439.1	1442.2	1445.3	1448.4	1451.5	1454.6	1457.7	1460.8	1463.9	1467.0	1470.1	1473.2	1476.3	1479.4	1482.5	1485.6	1488.7	1491.8	1494.9	1498.0	1501.1	1504.2	1507.3	1510.4	1513.5	1516.6	1519.7	1522.8	1525.9	1529.0	1532.1	1535.2	1538.3	1541.4	1544.5	1547.6	1550.7	1553.8	1556.9	1560.0	1563.1	1566.2	1569.3	1572.4	1575.5	1578.6	1581.7	1584.8	1587.9	1591.0	1594.1	1597.2	1600.3	1603.4	1606.5	1609.6	1612.7	1615.8	1618.9	1622.0	1625.1	1628.2	1631.3	1634.4	1637.5	1640.6	1643.7	1646.8	1649.9	1653.0	1656.1	1659.2	1662.3	1665.4	1668.5	1671.6	1674.7	1677.8	1680.9	1684.0	1687.1	1690.2	1693.3	1696.4	1699.5	1702.6	1705.7	1708.8	1711.9	1715.0	1718.1	1721.2	1724.3	1727.4	1730.5	1733.6	1736.7	1739.8	1742.9	1746.0	1749.1	1752.2	1755.3	1758.4	1761.5	1764.6	1767.7	1770.8	1773.9	1777.0	1780.1	1783.2	1786.3	1789.4	1792.5	1795.6	1798.7	1801.8	1804.9	1808.0	1811.1	1814.2	1817.3	1820.4	1823.5	1826.6	1829.7	1832.8	1835.9	1839.0	1842.1	1845.2	1848.3	1851.4	1854.5	1857.6	1860.7	1863.8	1866.9	1870.0	1873.1	1876.2	1879.3	1882.4	1885.5	1888.6	1891.7	1894.8	1897.9	1901.0	1904.1	1907.2	1910.3	1913.4	1916.5	1919.6	1922.7	1925.8	1928.9	1932.0	1935.1	1938.2	1941.3	1944.4	1947.5	1950.6	1953.7	1956.8	1959.9	1963.0	1966.1	1969.2	1972.3	1975.4	1978.5	1981.6	1984.7	1987.8	1990.9	1994.0	1997.1	2000.2	2003.3	2006.4	2009.5	2012.6	2015.7	2018.8	2021.9	2025.0	2028.1	2031.2	2034.3	2037.4	2040.5	2043.6	2046.7	2049.8	2052.9	2056.0	2059.1	2062.2	2065.3	2068.4	2071.5	2074.6	2077.7	2080.8	2083.9	2087.0	2090.1	2093.2	2096.3	2099.4	2102.5	2105.6	2108.7	2111.8	2114.9	2118.0	2121.1	2124.2	2127.3	2130.4	2133.5	2136.6	2139.7	2142.8	2145.9	2149.0	2152.1	2155.2	2158.3	2161.4	2164.5	2167.6	2170.7	2173.8	2176.9	2180.0	2183.1	2186.2	2189.3	2192.4	2195.5	2198.6	2201.7	2204.8	2207.9	2211.0	2214.1	2217.2	2220.3	2223.4	2226.5	2229.6	2232.7	2235.8	2238.9	2242.0	2245.1	2248.2	2251.3	2254.4	2257.5	2260.6	2263.7	2266.8	2269.9	2273.0	2276.1	2279.2	2282.3	2285.4	2288.5	2291.6	2294.7	2297.8	2300.9	2304.0	2307.1	2310.2	2313.3	2316.4	2319.5	2322.6	2325.7	2328.8	2331.9	2335.0	2338.1	2341.2	2344.3	2347.4	2350.5	2353.6	2356.7	2359.8	2362.9	2366.0	2369.1	2372.2	2375.3	2378.4	2381.5	2384.6	2387.7	2390.8	2393.9	2397.0	2400.1	2403.2	2406.3	2409.4	2412.5	2415.6	2418.7	2421.8	2424.9	2428.0	2431.1	2434.2	2437.3	2440.4	2443.5	2446.6	2449.7	2452.8	2455.9	2459.0	2462.1	2465.2	2468.3	2471.4	2474.5	2477.6	2480.7	2483.8	2486.9	2490.0	2493.1	2496.2	2499.3	2502.4	2505.5	2508.6	2511.7	2514.8	2517.9	2521.0	2524.1	2527.2	2530.3	2533.4	2536.5	2539.6	2542.7	2545.8	2548.9	2552.0	2555.1	2558.2	2561.3	2564.4	2567.5	2570.6	2573.7	2576.8	2579.9	2583.0	2586.1	2589.2	2592.3	2595.4	2598.5	2601.6	2604.7	2607.8	2610.9	2614.0	2617.1	2620.2	2623.3	2626.4	2629.5	2632.6	2635.7	2638.8	2641.9	2645.0	2648.1	2651.2	2654.3	2657.4	2660.5	2663.6	2666.7	2669.8	2672.9	2676.0	2679.1	2682.2	2685.3	2688.4	2691.5	2694.6	2697.7	2700.8	2703.9	2707.0	2710.1	2713.2	2716.3	2719.4	2722.5	2725.6	2728.7	2731.8	2734.9	2738.0	2741.1	2744.2	2747.3	2750.4	2753.5	2756.6	2759.7	2762.8	2765.9	2769.0	2772.1	2775.2	2778.3	2781.4	2784.5	2787.6	2790.7	2793.8	2796.9	2799.0	2802.1	2805.2	2808.3	2811.4	2814.5	2817.6	2820.7	2823.8	2826.9	2830.0	2833.1	2836.2	2839.3	2842.4	2845.5	2848.6	2851.7	2854.8	2857.9	2861.0	2864.1	2867.2	2870.3	2873.4	2876.5	2879.6	2882.7	2885.8	2888.9	2

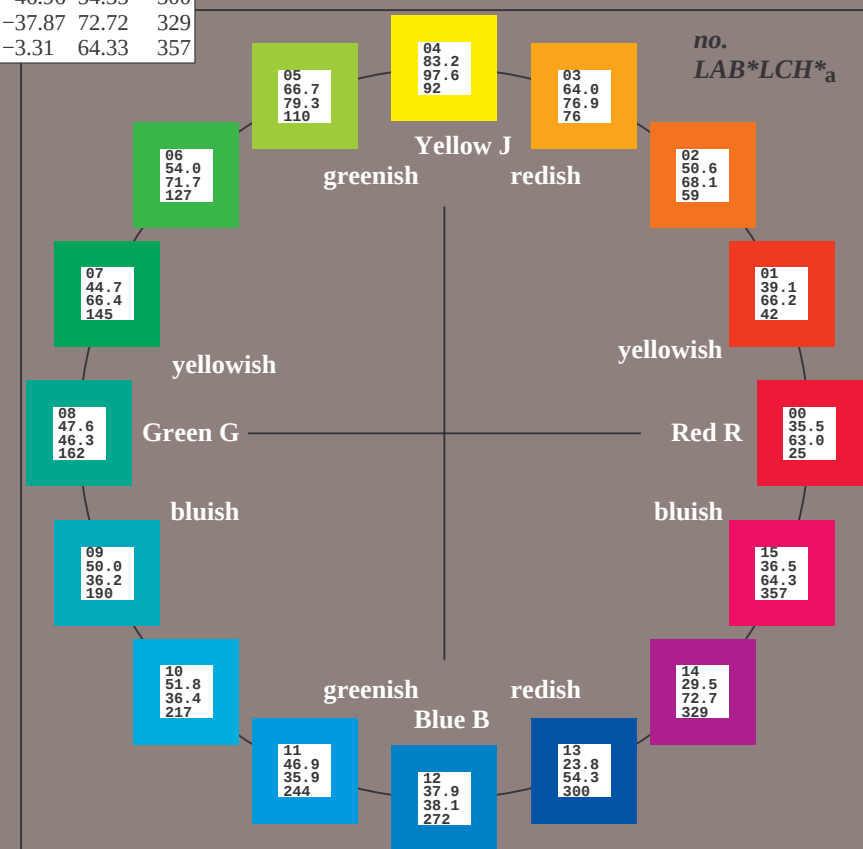
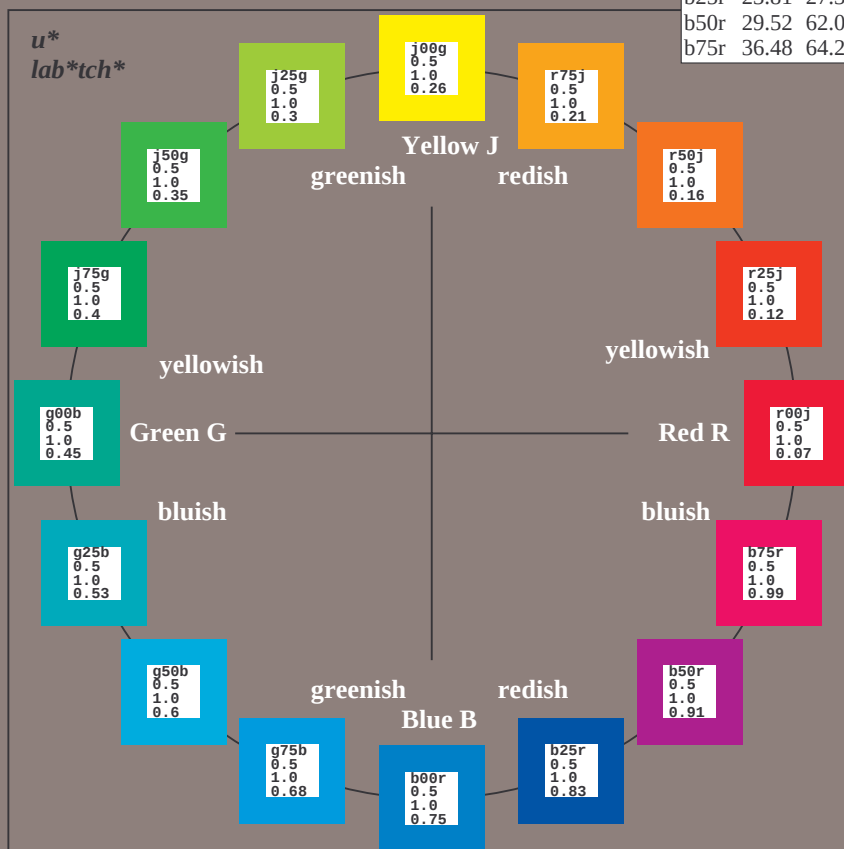
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^*_{rel} = 88$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	35.06	53.93	39.55	66.88	36
YMa	83.77	-4.63	98.26	98.37	93
LMa	44.13	-56.32	43.36	71.09	142
CMa	52.66	-26.18	-28.74	38.89	228
VMa	14.15	45.22	-53.06	69.72	310
MMa	37.37	70.69	-30.1	76.83	337
NMa	15.0	0.0	0.0	0.0	0
WMa	90.0	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

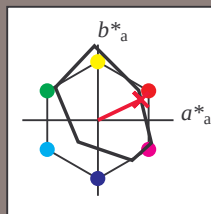
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

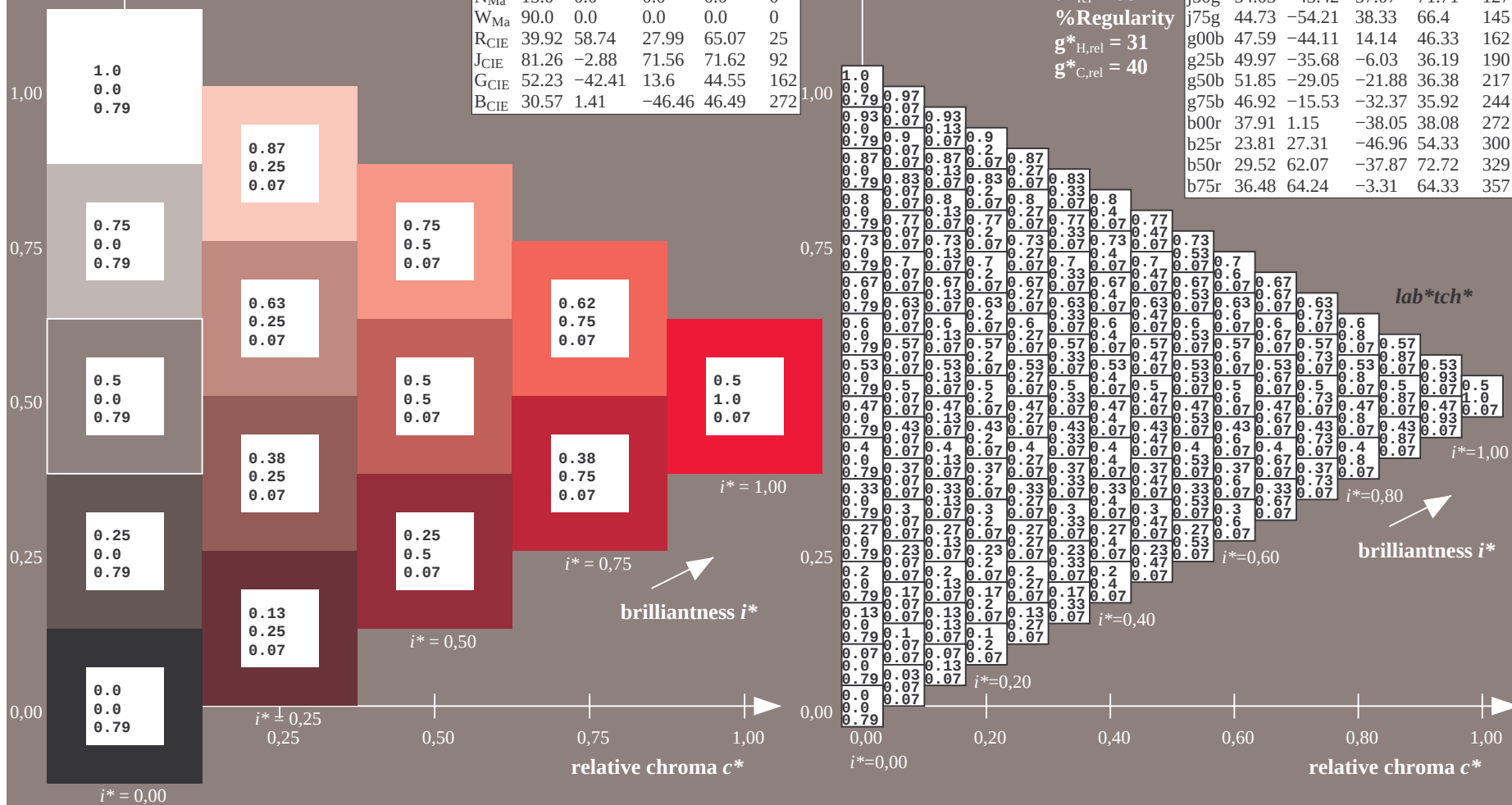
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

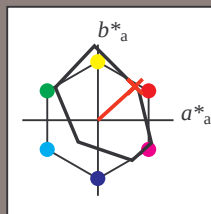
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

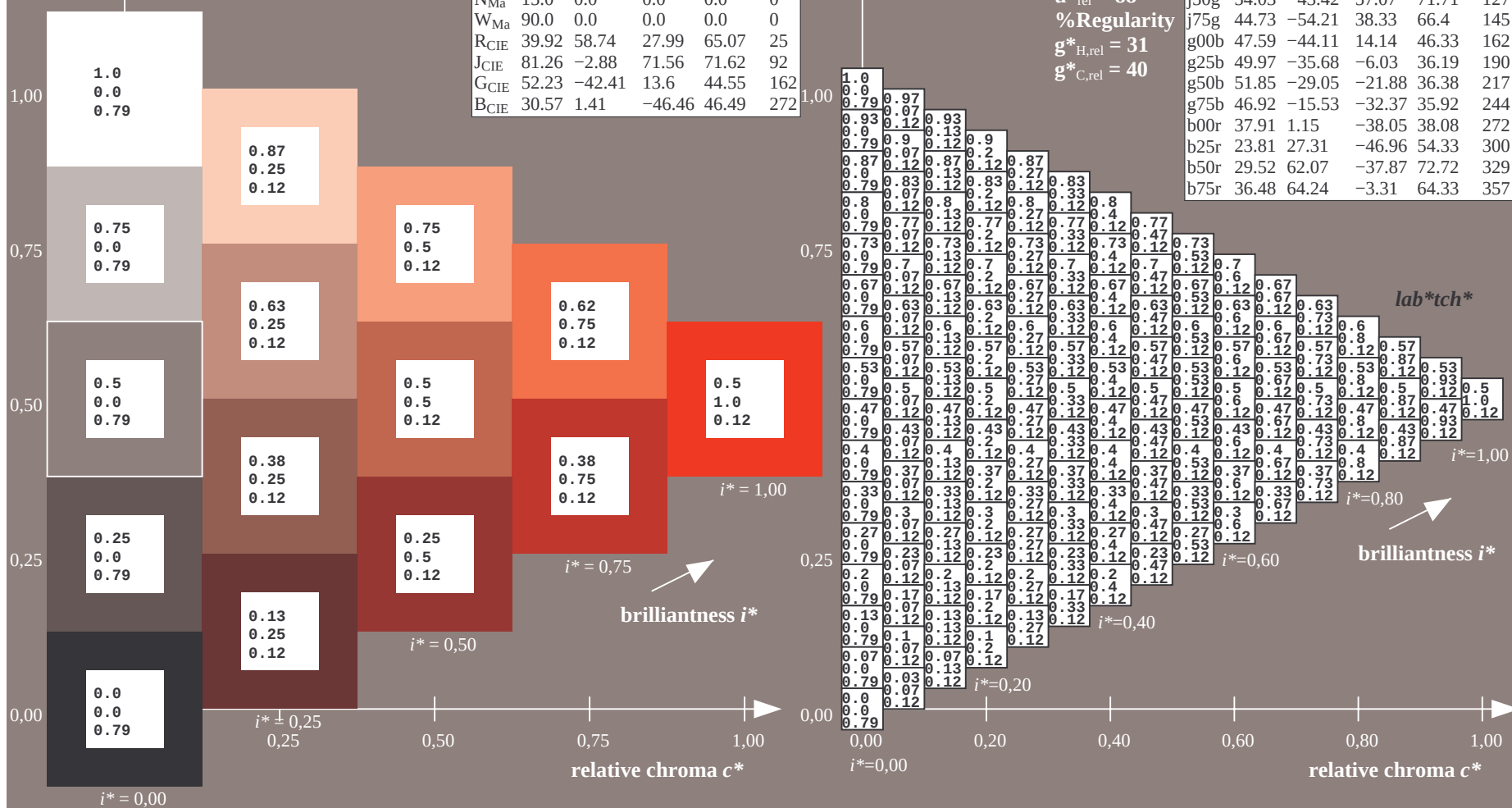
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

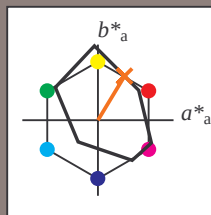
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

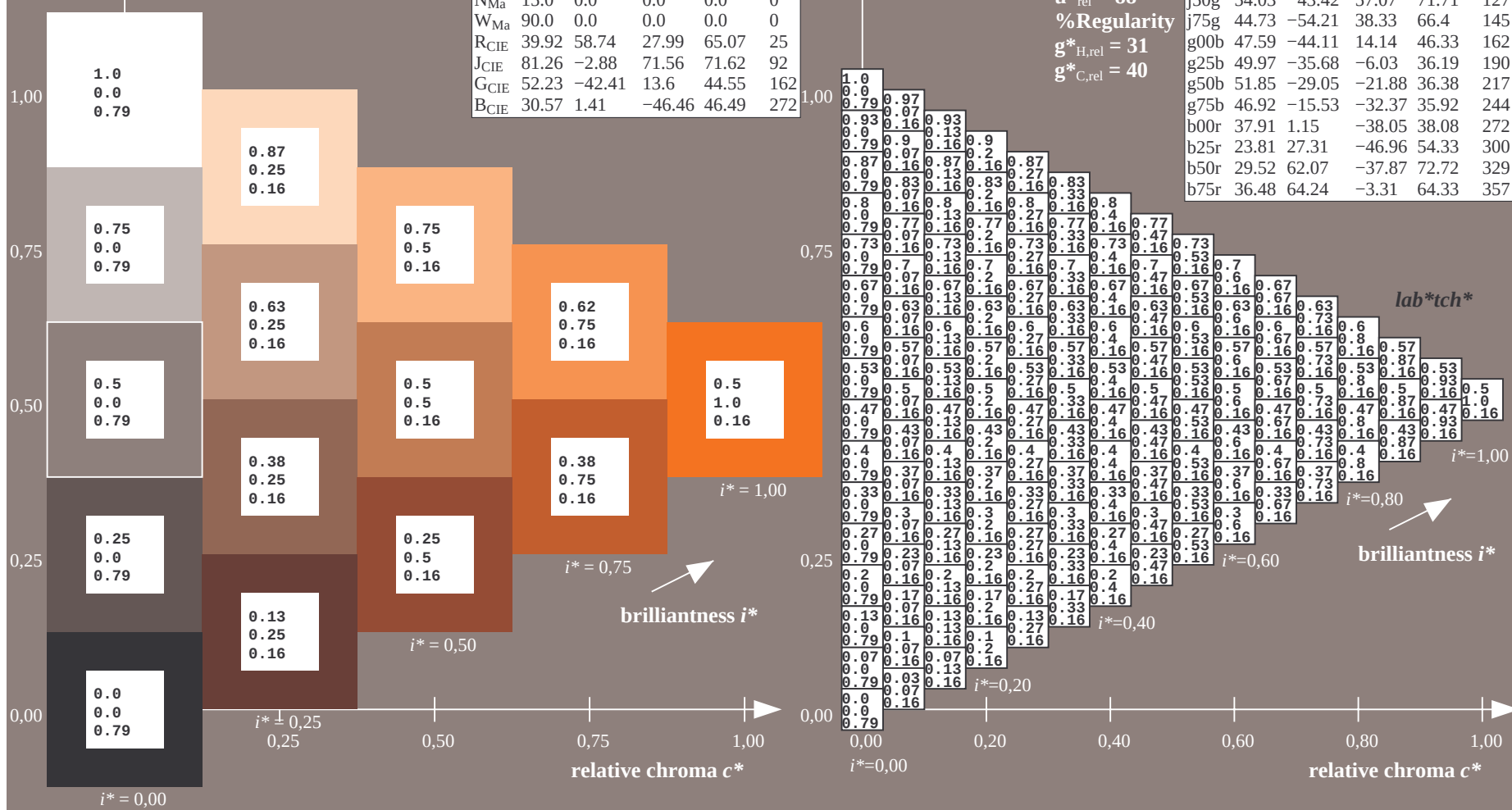
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

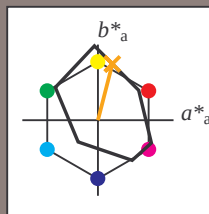
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

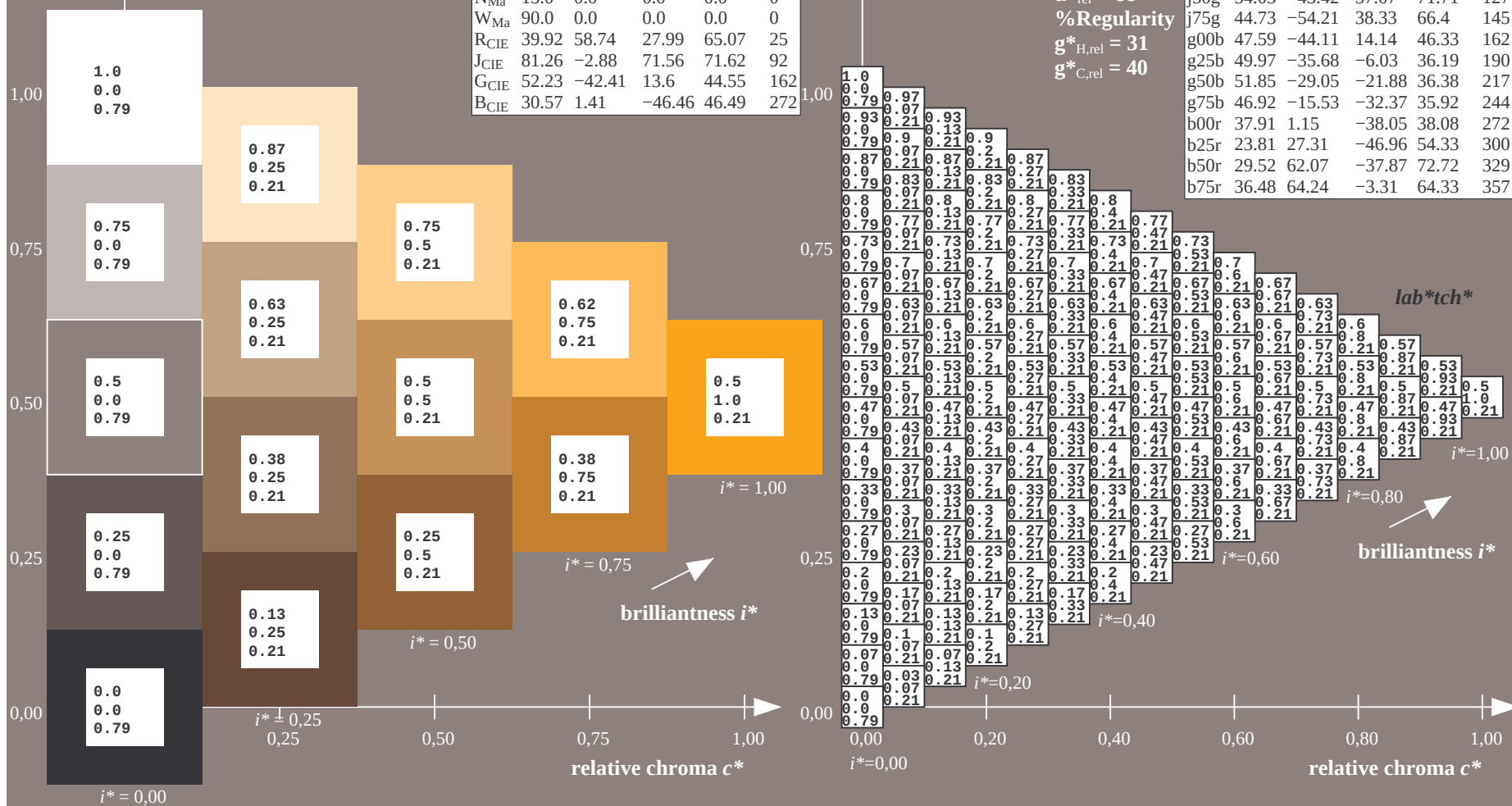
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

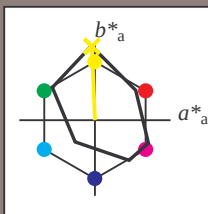
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

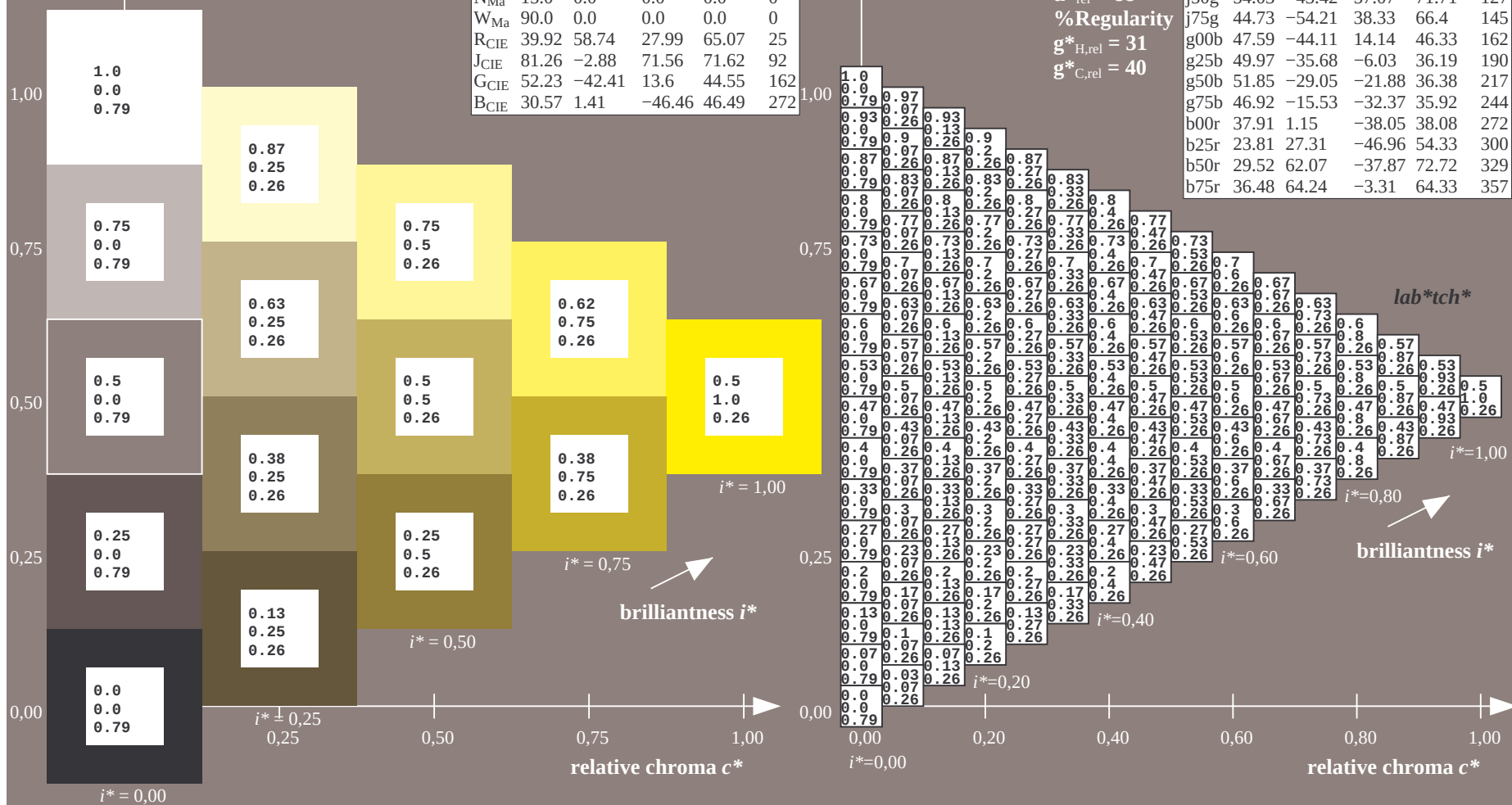
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

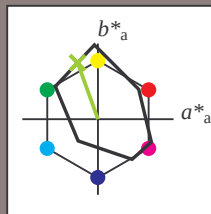
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

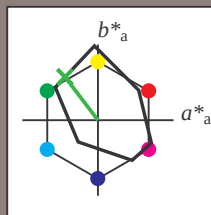
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

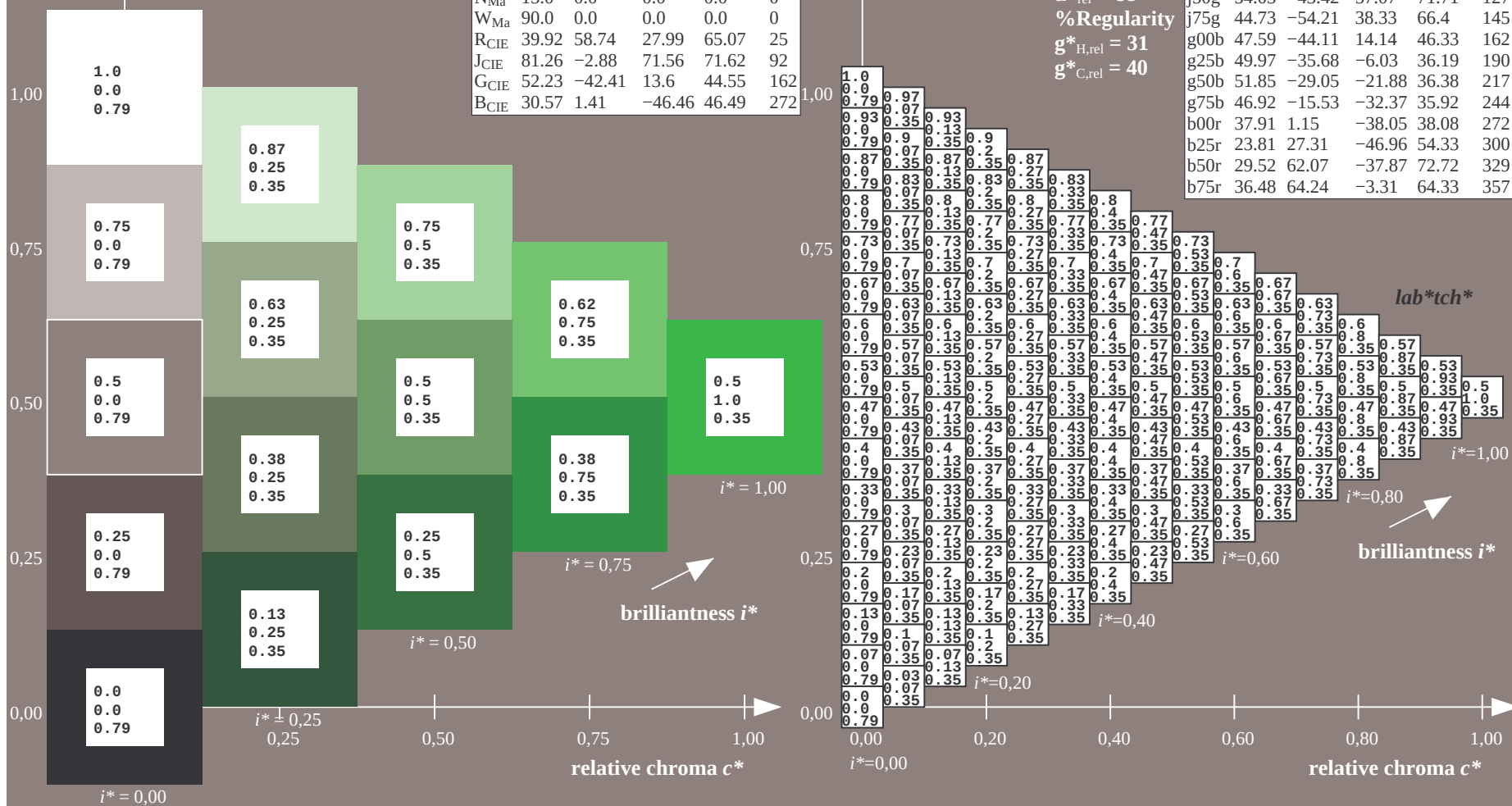
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

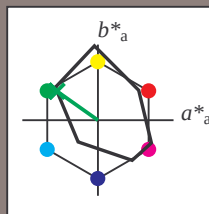
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

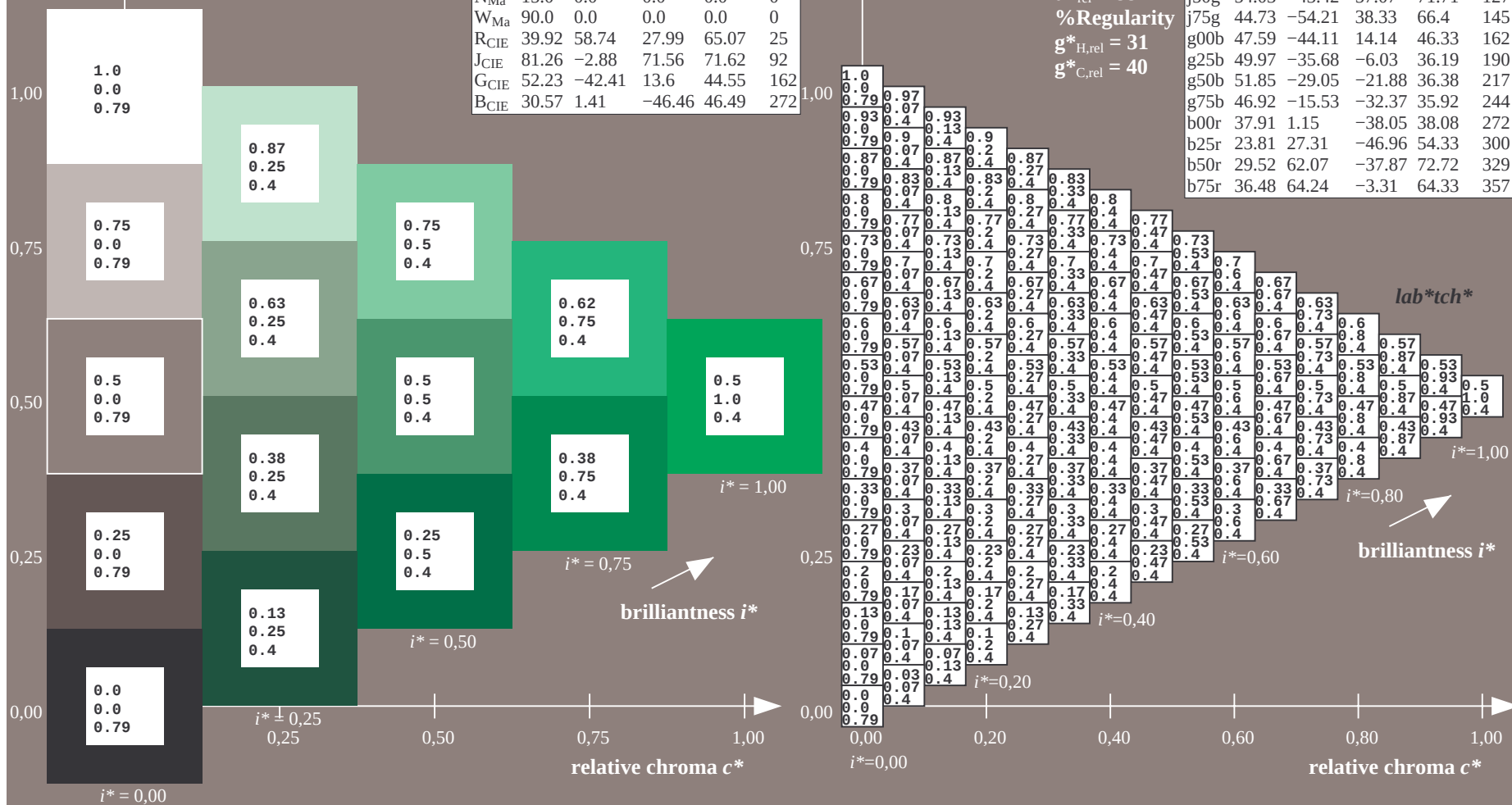
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

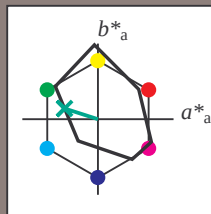
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

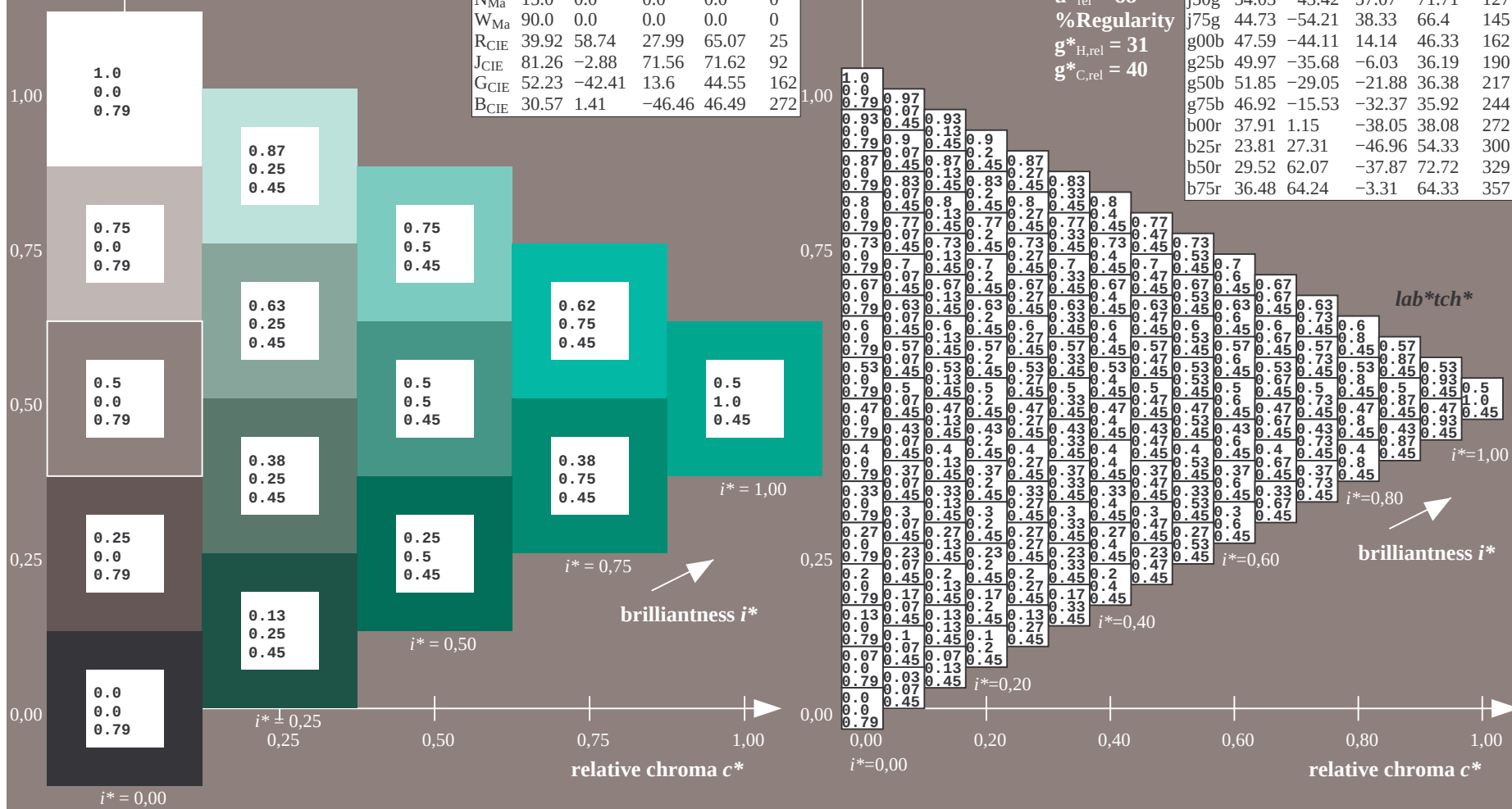
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

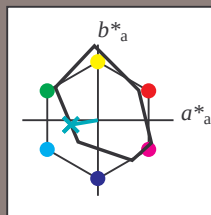
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

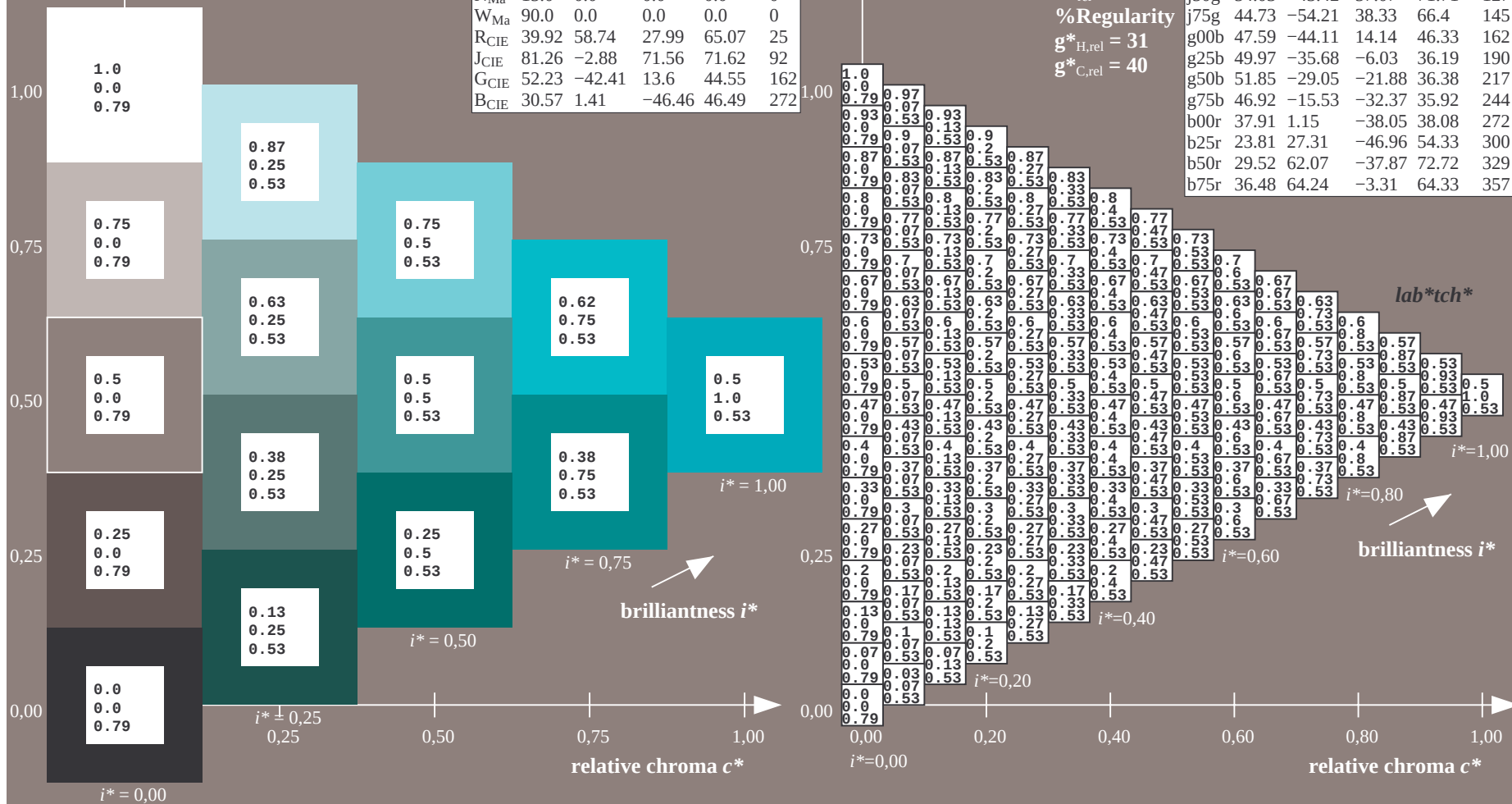
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

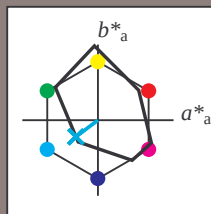
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

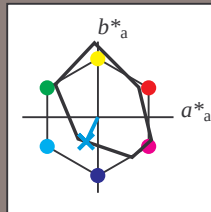
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

lab^*tch^*

$i^*=1.00$

brilliantness i^*

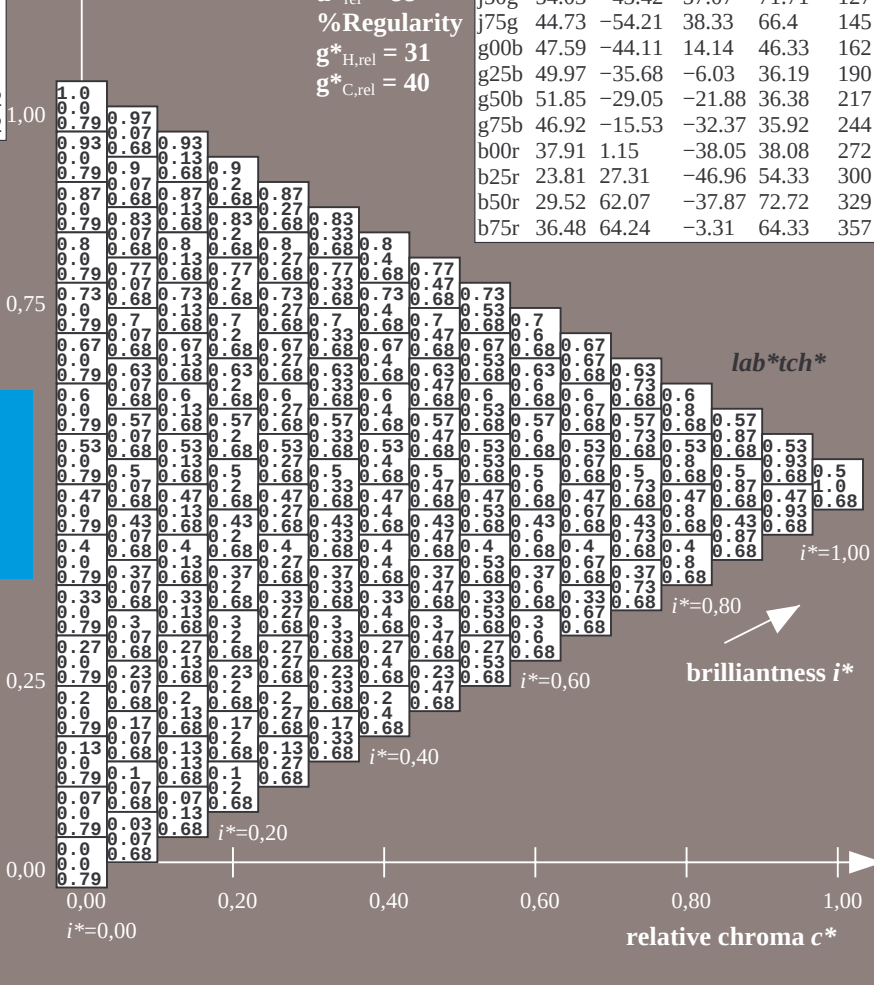
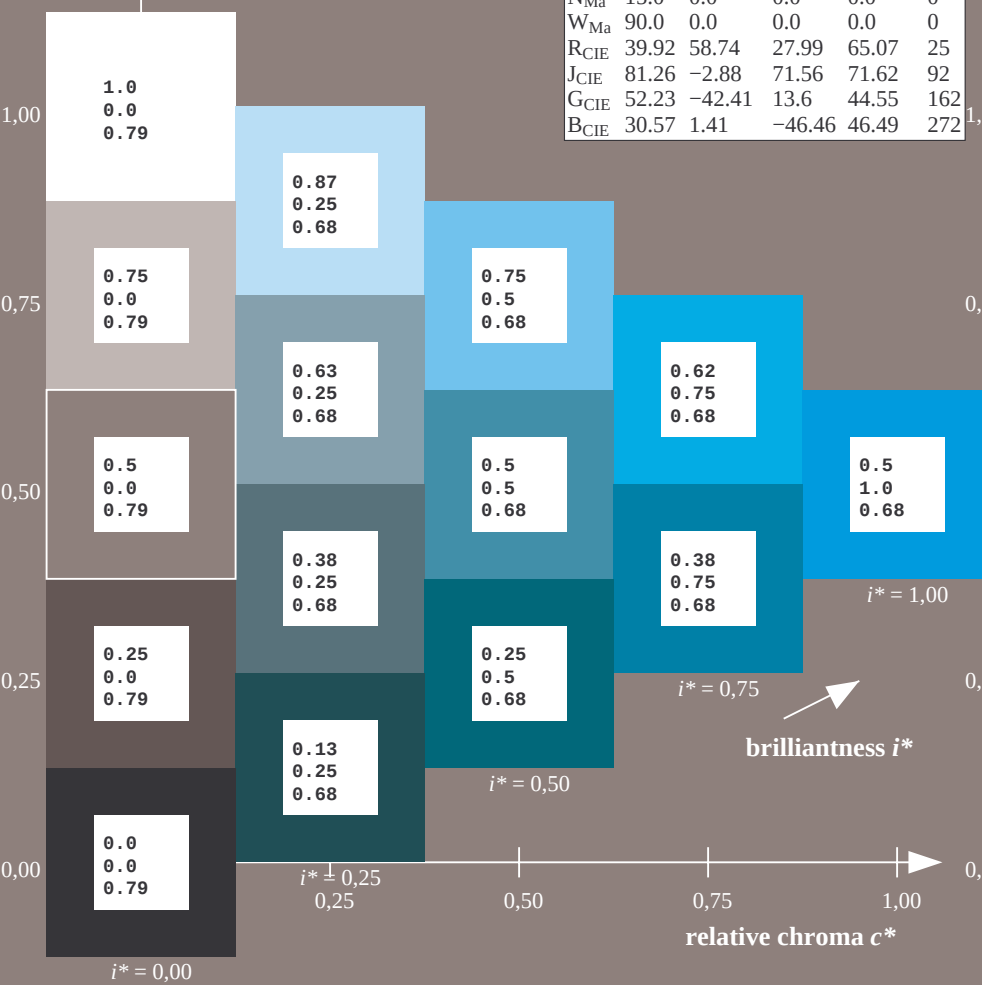
$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

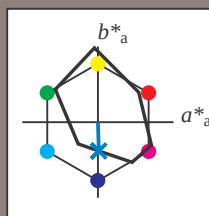
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -37

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

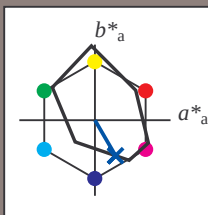
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

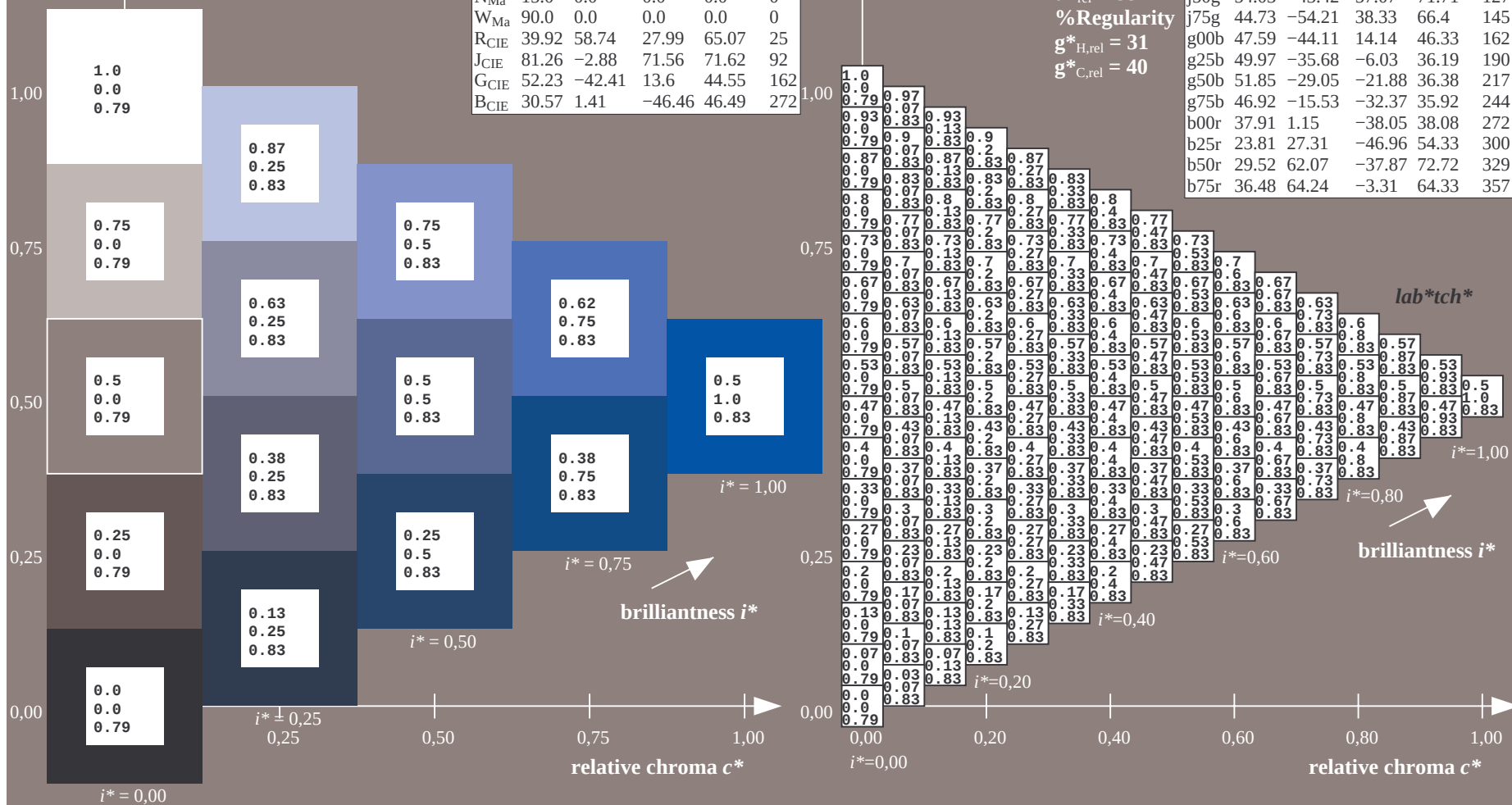
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

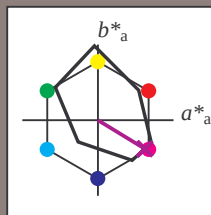
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

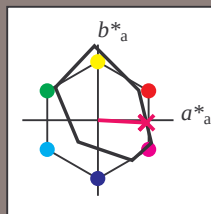
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

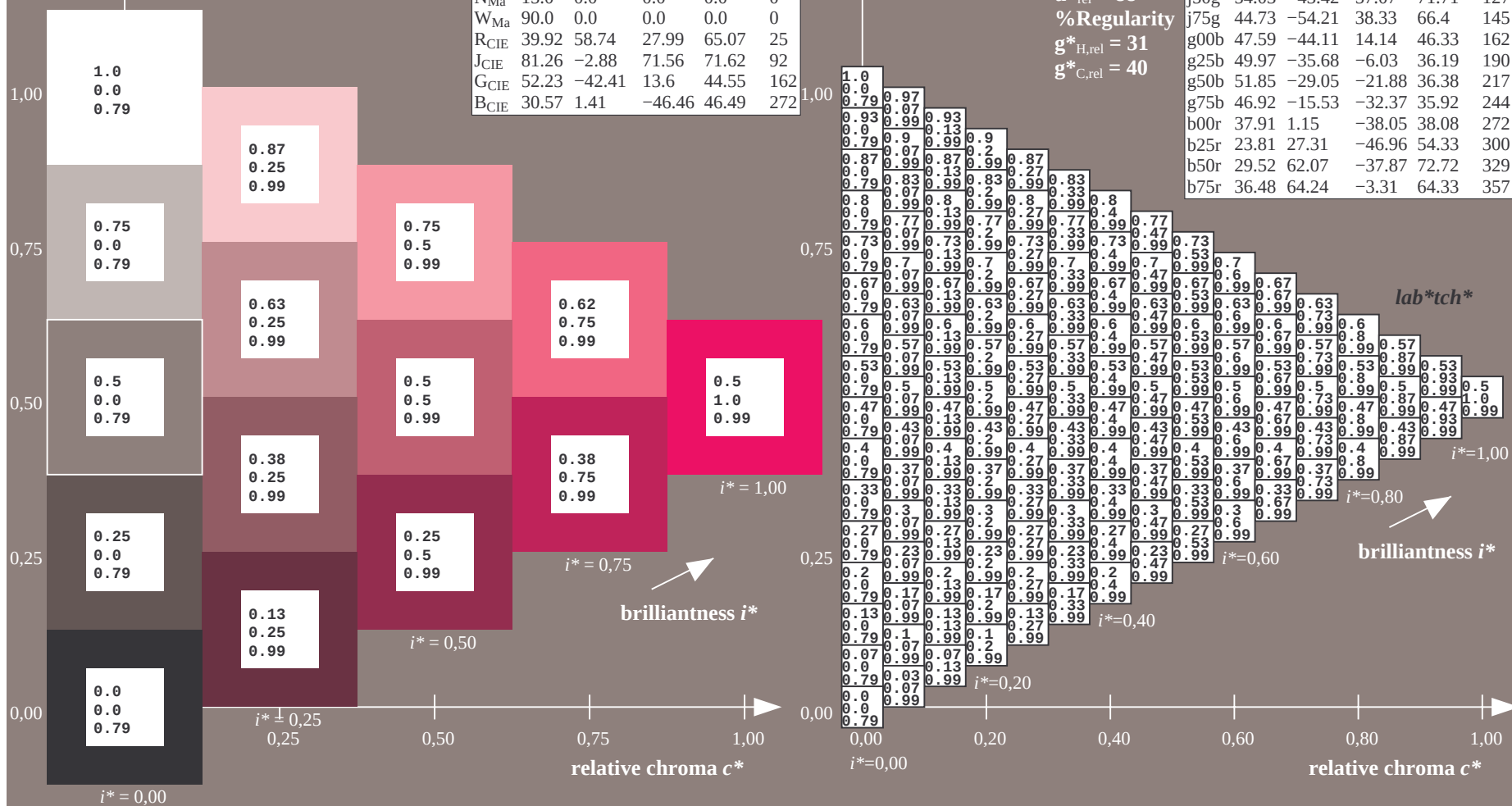
$u^*_{rel} = 88$

%Regularity

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

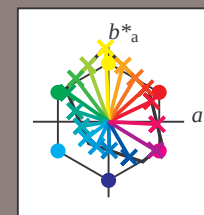
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



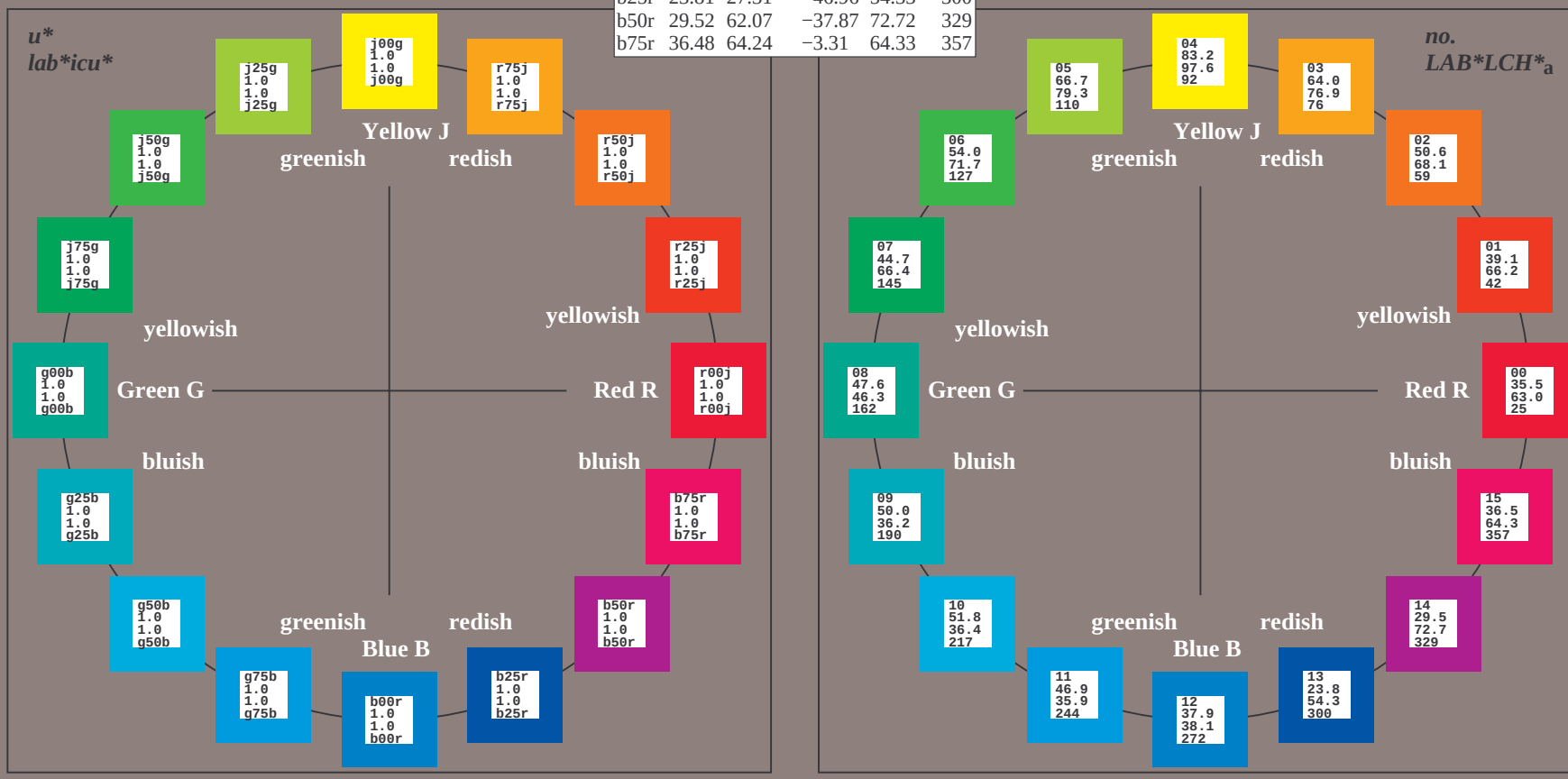
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^{*}_{rel} = 88$
%Regularity
 $g^{*}_{H,rel} = 31$
 $g^{*}_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
OMa	35.06	53.93	39.55	66.88	36
YMa	83.77	-4.63	98.26	98.37	93
LMa	44.13	-56.32	43.36	71.09	142
CMa	52.66	-26.18	-28.74	38.89	228
VMa	14.15	45.22	-53.06	69.72	310
MMa	37.37	70.69	-30.1	76.83	337
NMa	15.0	0.0	0.0	0.0	0
WMa	90.0	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

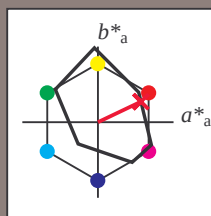
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

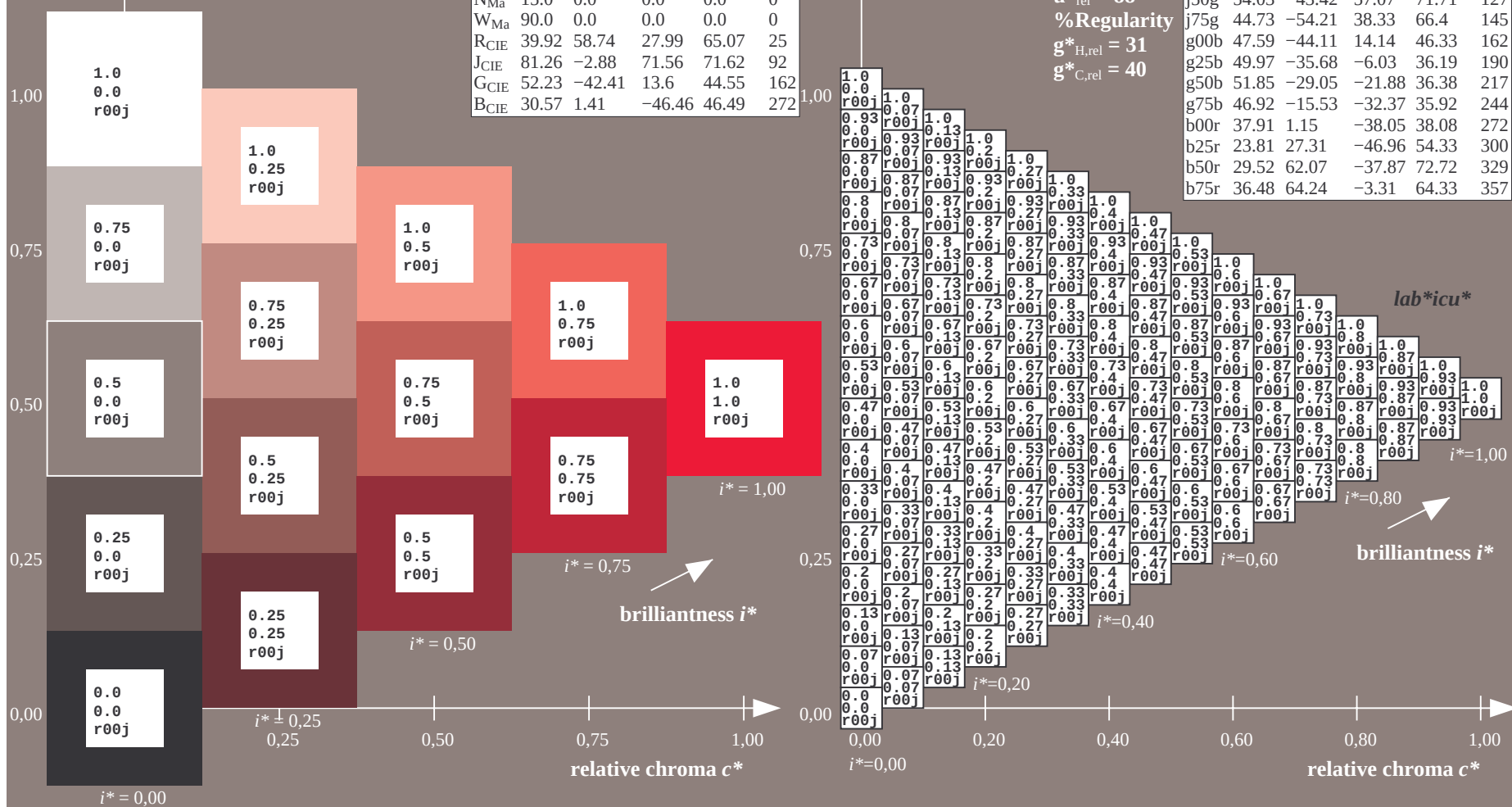
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

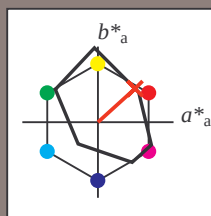
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

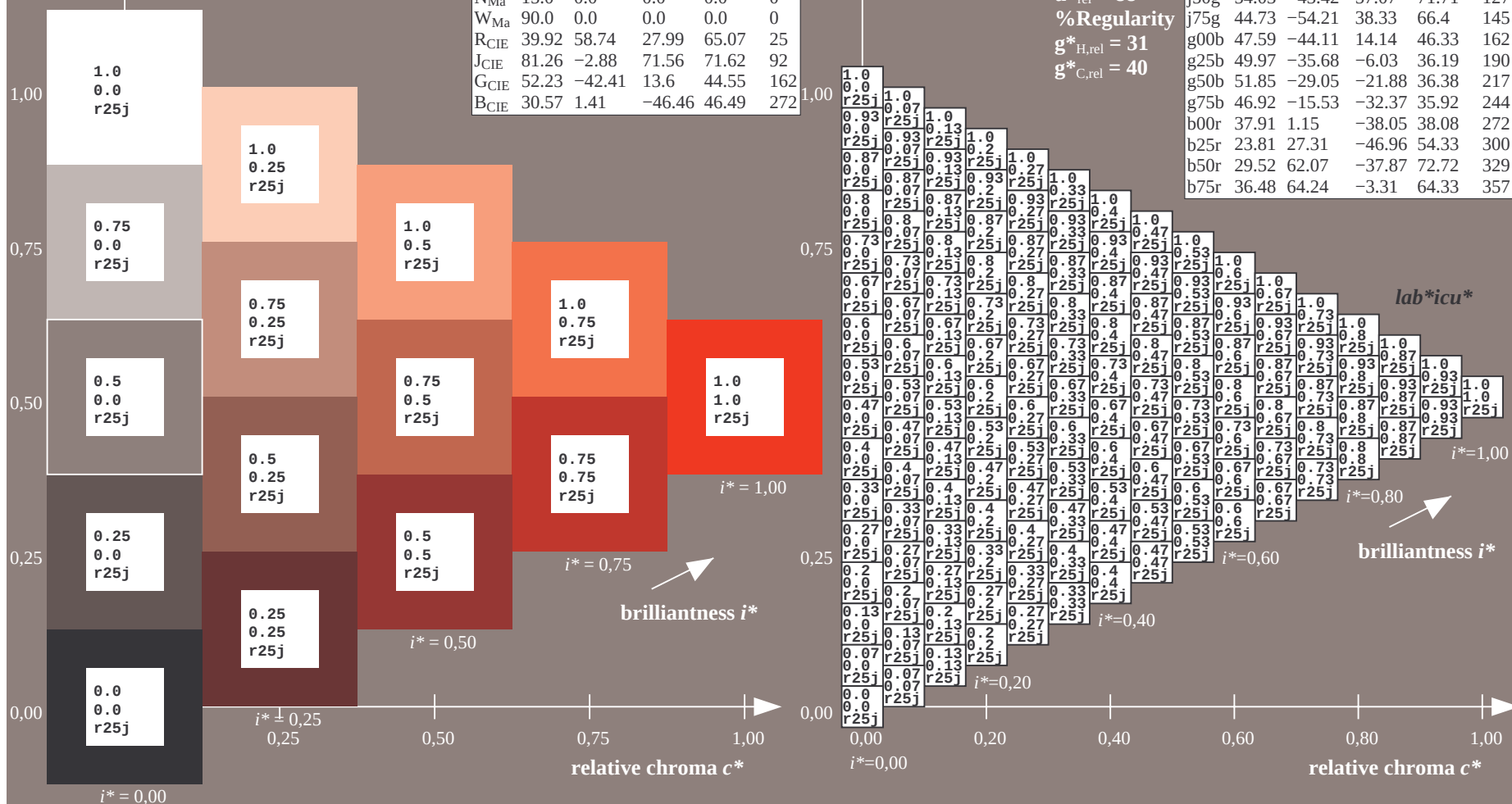
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

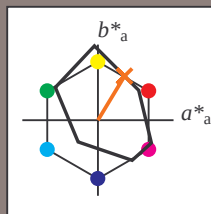
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

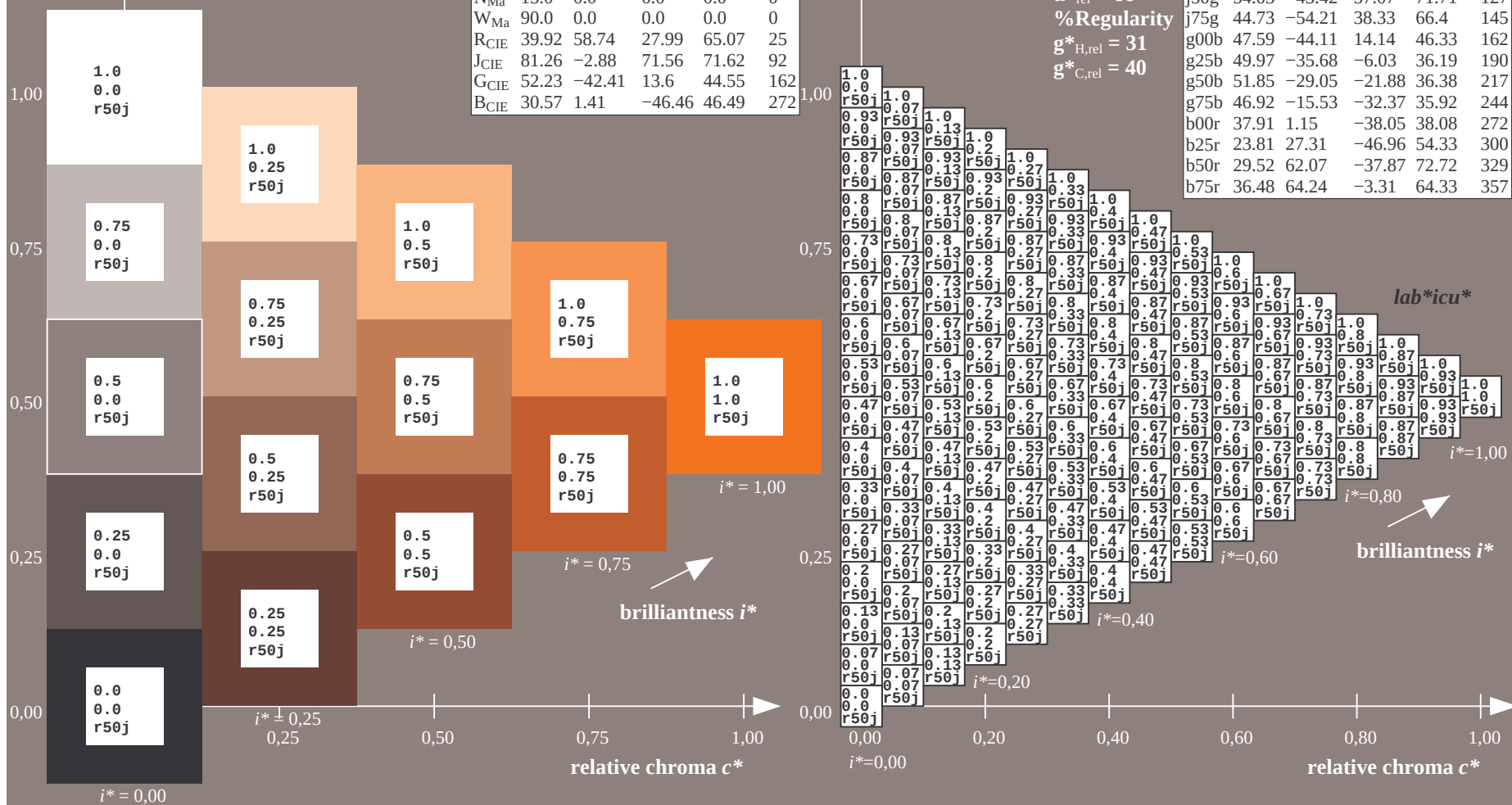
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

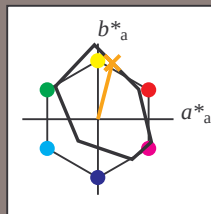
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

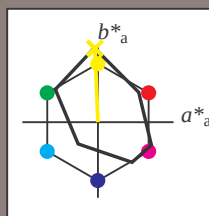
data for any colour:

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

elementary hue text:

$$u^* = j00q$$

contrast reduction factor:

 $c_D = 0.9$ triangle lightness t^* 

FRS15_90aM; adapted (a)	CIELAB data				
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$$IAR* IAR*_{\tau} = .83 \quad -3.98$$

LAB LAB Ma. 05 -5 50
LAB*LGII* 22 22 22

LAB*LCH*_{Ma}: 83 98 92

*lab*rgb*_Ma: 1.0 1.0 0.0*

*lab*olv**Ma: 1.0 0.99 0.0

triangle lightness t^*

triangle rightness t

%Gamut

$$\mathbf{u}_{rel}^* = 88$$

%Regularity

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

FRS15_90aM; adapted (a) CIELAB data					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

*lab*icu**

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

BAM-test chart De93; Colorimetric systems, Page 114/180
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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

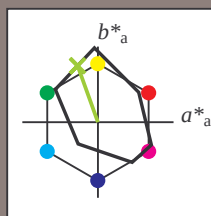
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

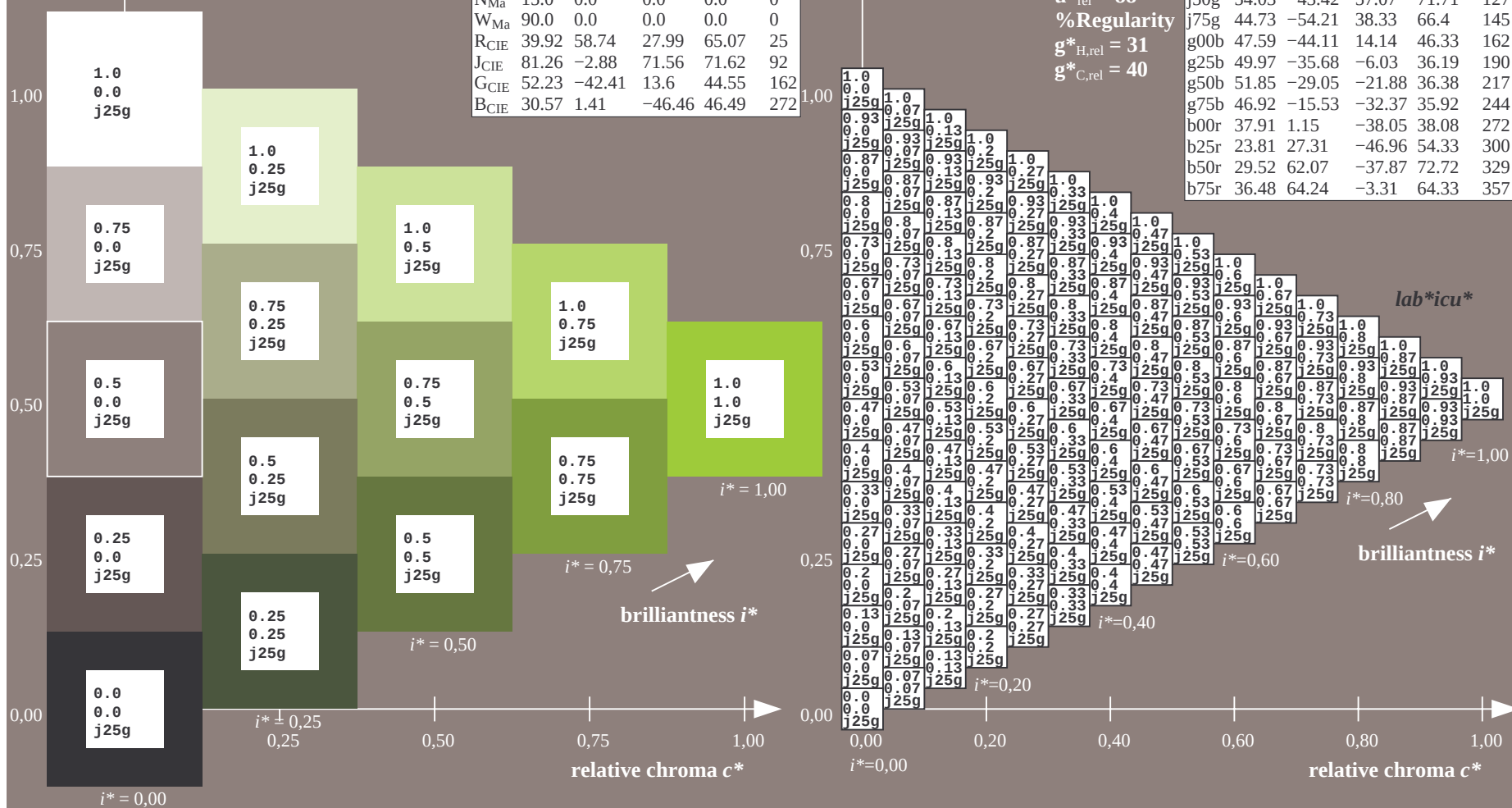
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

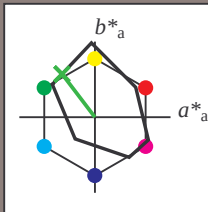
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

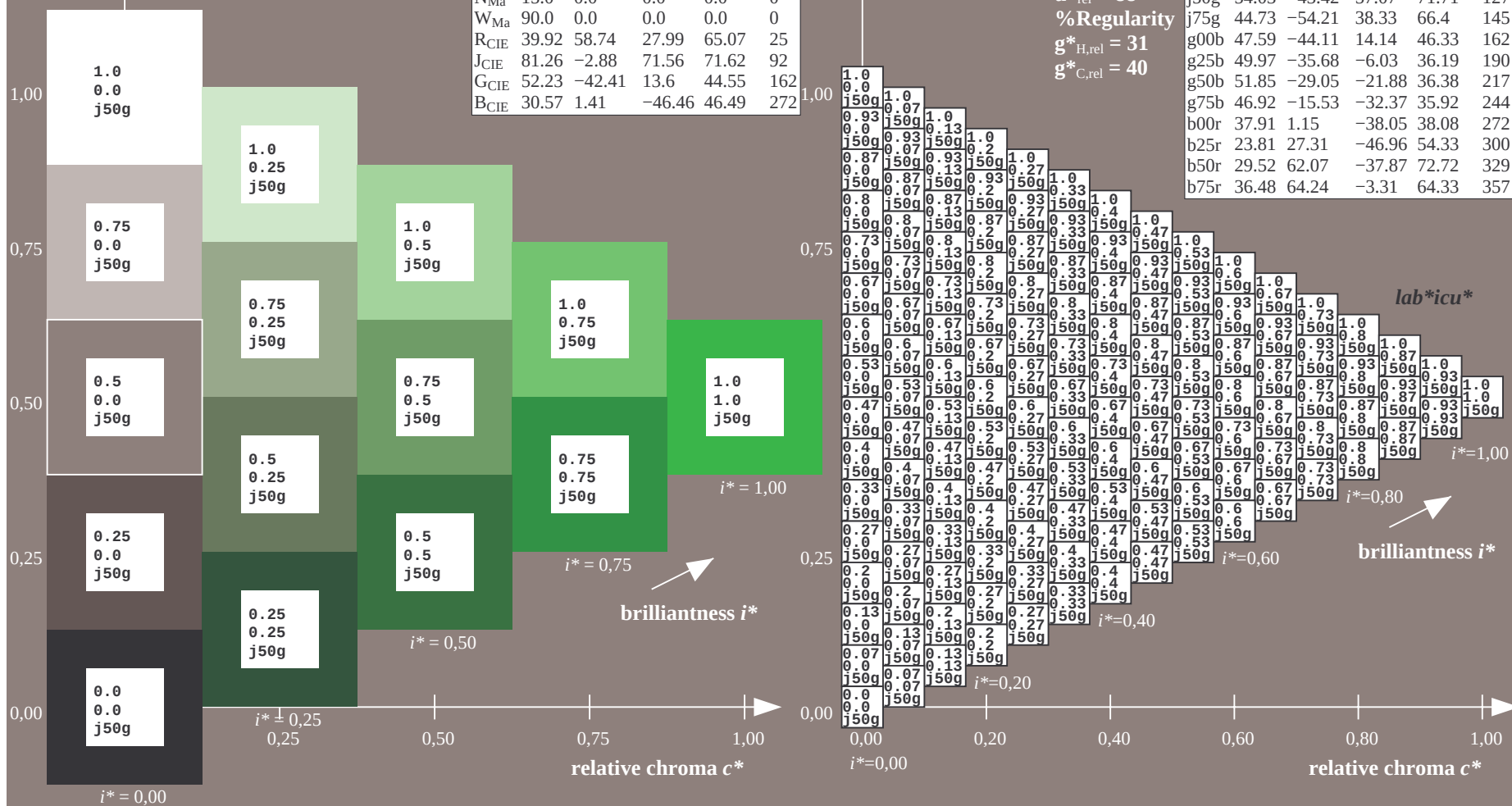
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

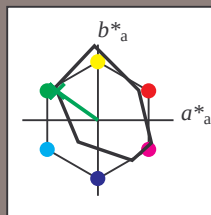
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

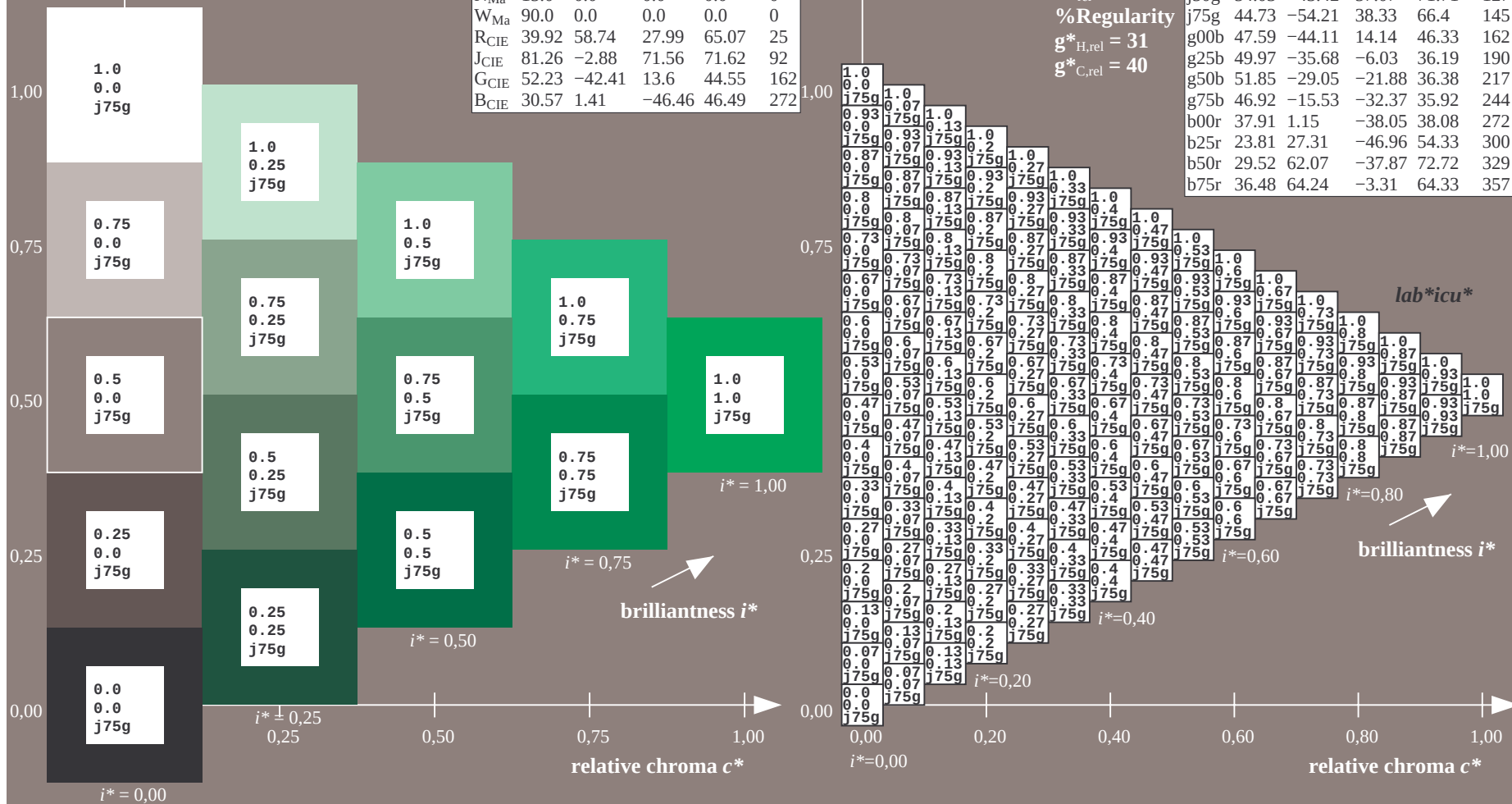
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

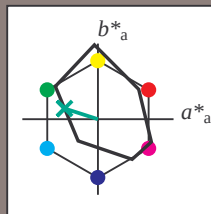
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

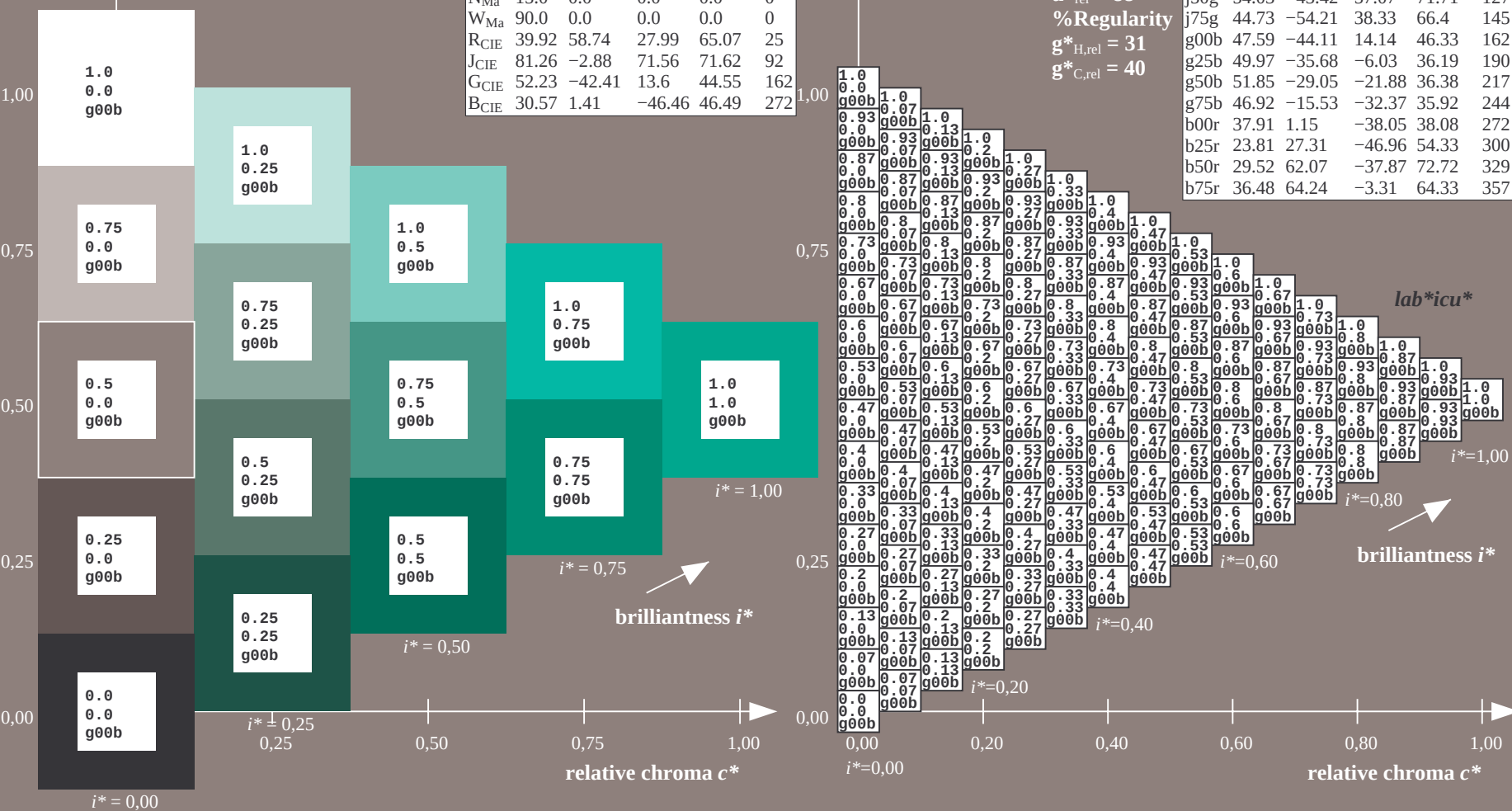
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

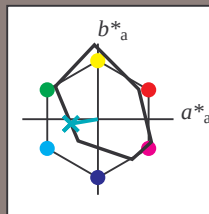
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

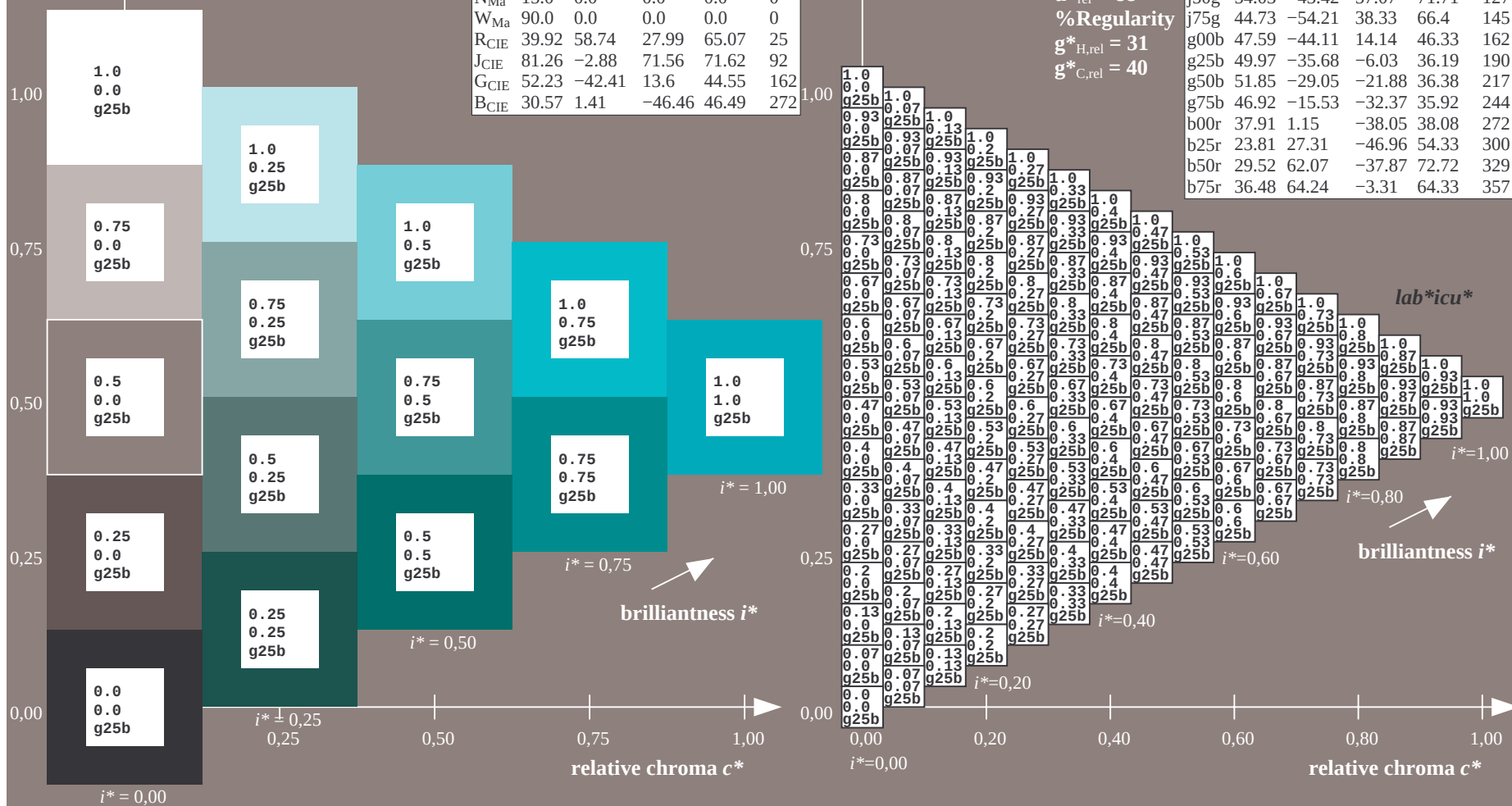
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

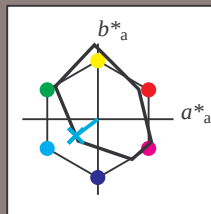
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

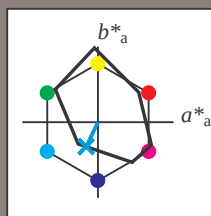
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

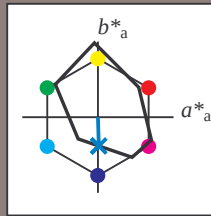
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 -37

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

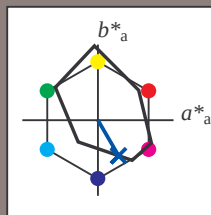
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

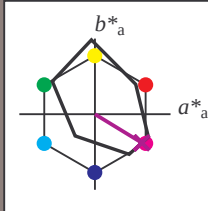
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

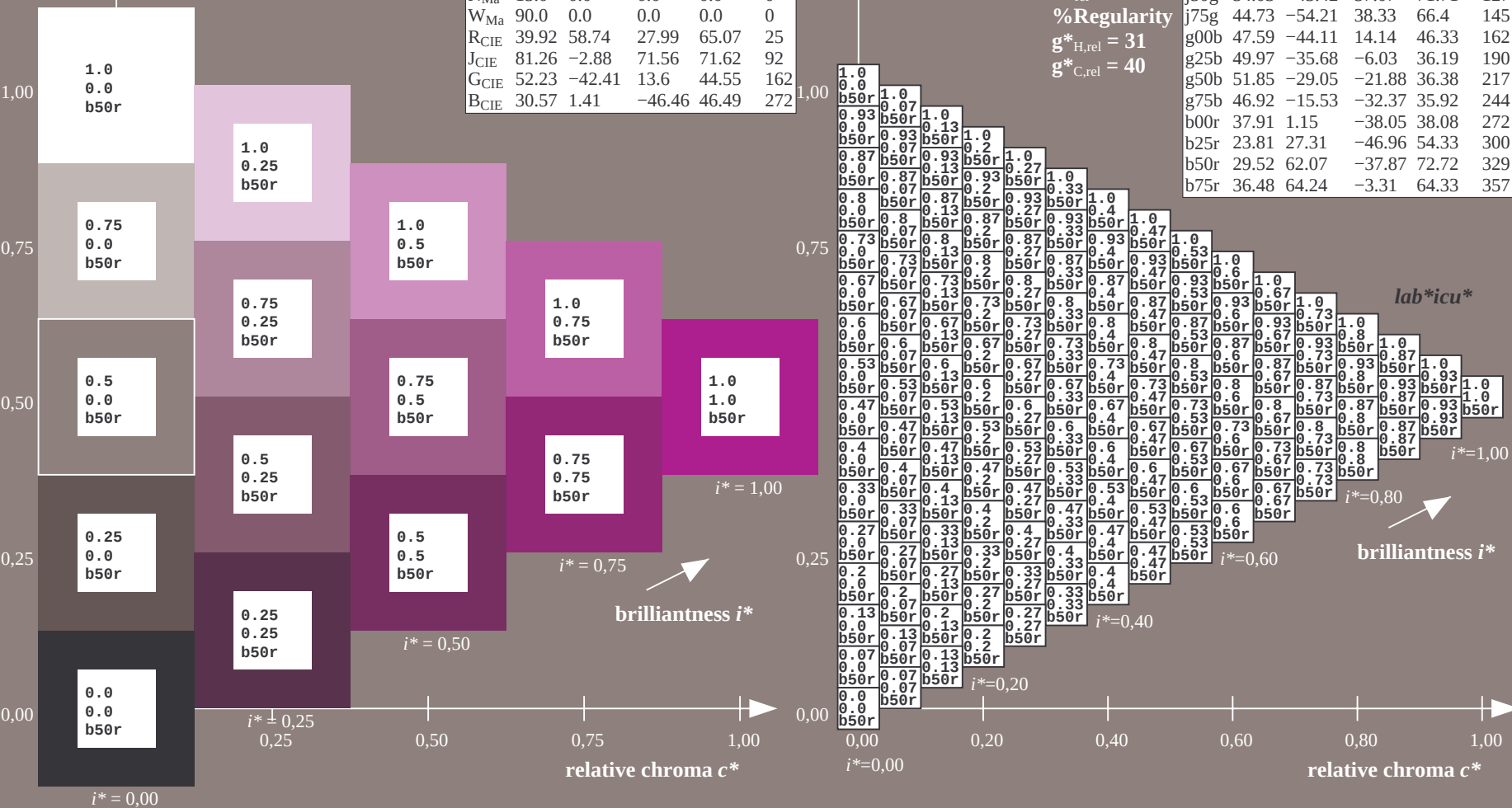
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

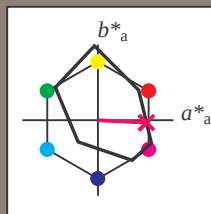
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	53.93	39.55	66.88	36
Y _{Ma}	83.77	-4.63	98.26	98.37	93
L _{Ma}	44.13	-56.32	43.36	71.09	142
C _{Ma}	52.66	-26.18	-28.74	38.89	228
V _{Ma}	14.15	45.22	-53.06	69.72	310
M _{Ma}	37.37	70.69	-30.1	76.83	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

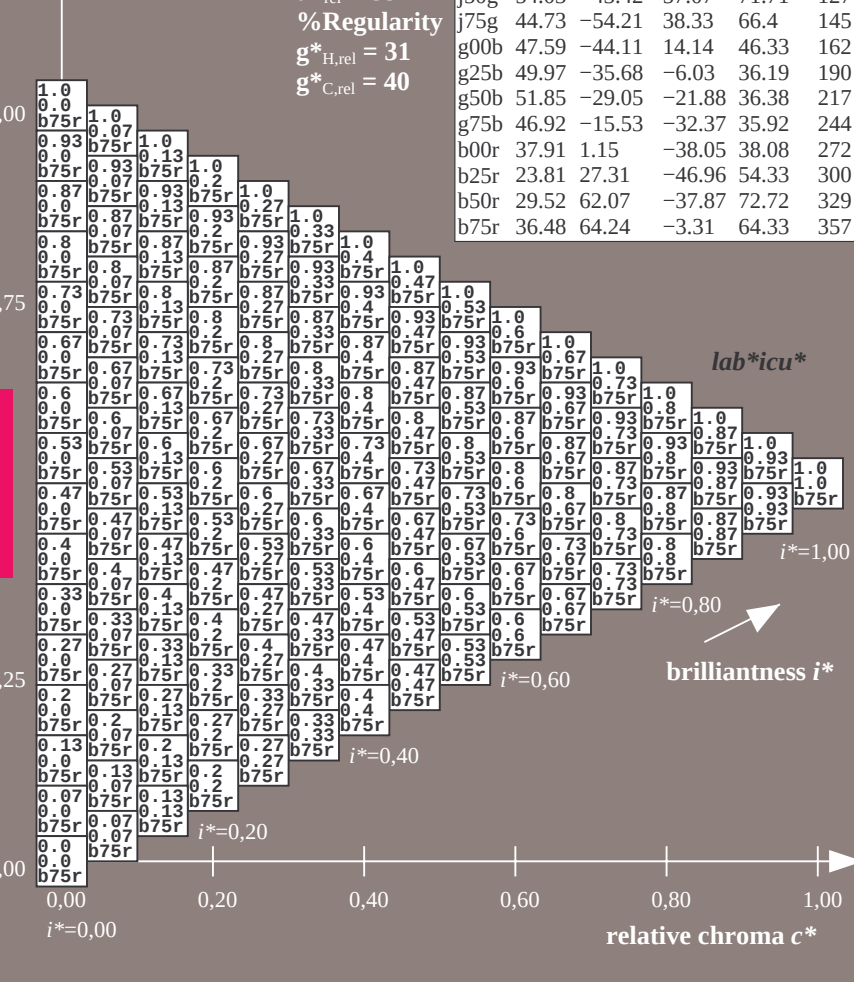
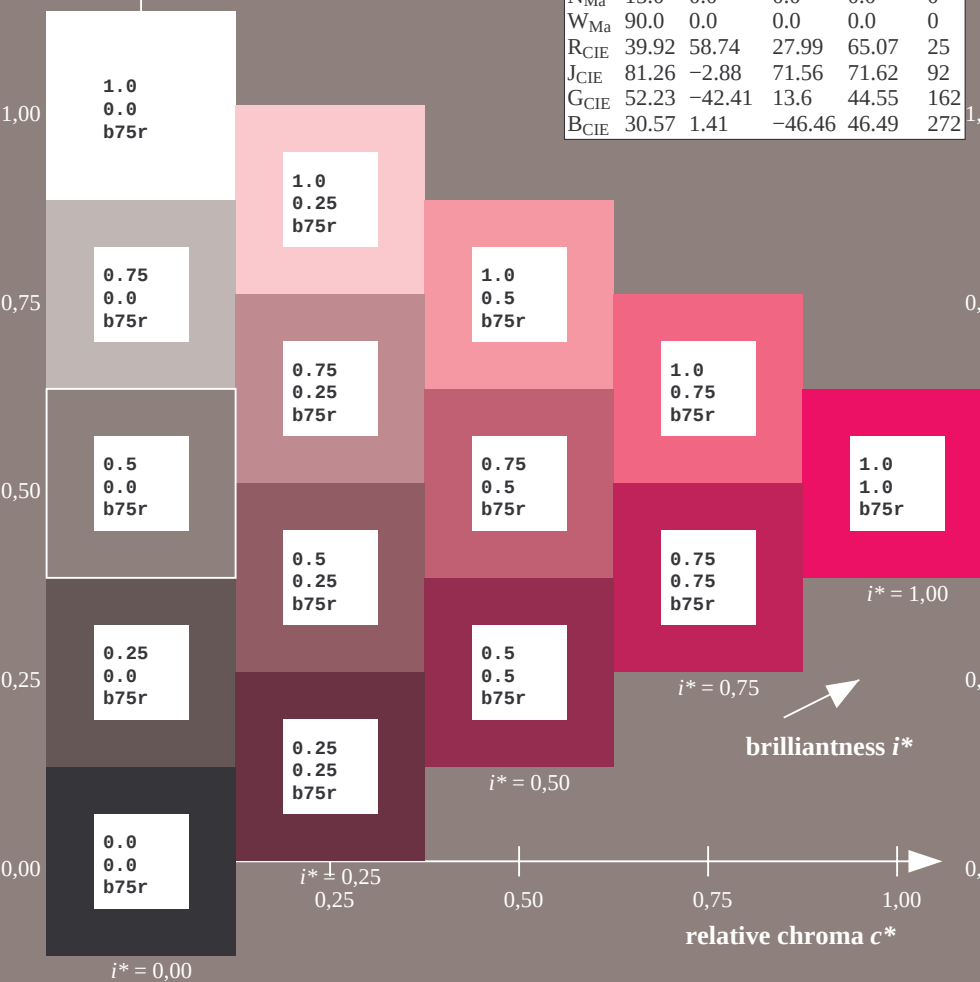
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



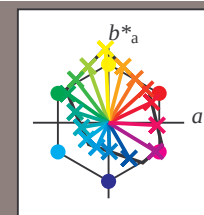
See for similar files: <http://www.ps.bam.de/De93/>; www.ps.bam.de/De93/De93E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpx=0

BAM registration: 20080701-De93/10L/L93E00NA.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	1.0	0.0	0.0	0.0	0.0		
	b10r	l70g	l70g	l70g	l70g	l70g	l70g	l70g	l70g	r15j	r15j	j29g	j42g	j49g	j53g	j56g	j58g	j60g	r15j	r66j	j09g	j18g	j29g	j37g	j42g	j46g	j49g	b10r	b10r	r15j	r15j	r15j	r15j	r15j	r15j	r15j	r15j	b10r	b10r	b10r	b10r		
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	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	
	b33r	g59b	g06b	j92g	j85g	j81g	j79g	j78g	j77g	b56r	b10r	j70g	j70g	j70g	j70g	j70g	j70g	j70g	b80r	r15j	j09g	j29g	j42g	j49g	j53g	j56g	j58g	g59b	b10r	r15j	r15j	r15j	r15j	r15j	r15j	r15j	r15j	b10r	b10r	b10r	b10r		
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	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25		
	b33r	b09r	g59b	g22b	g06b	j98g	j92g	j88g	j85g	b45r	b33r	g59b	g06b	j92g	j85g	j81g	j79g	j78g	b56r	b56r	b10r	j70g	j70g	j70g	j70g	j70g	j70g	g59b	g59b	b10r	r15j	r15j	r15j	r15j	r15j	r15j	r15j	b10r	b10r	b10r	b10r		
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	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38			
	b33r	b20r	g94b	g59b	g32b	g15b	g06b	g01b	j95g	b41r	b33r	b09r	g59b	g22b	g06b	j98g	j92g	j88g	b49r	b45r	b33r	g59b	g06b	j92g	j85g	j81g	j79g	g59b	g59b	g59b	b10r	r15j	r15j	r15j	r15j	r15j	b10r	b10r	b10r	b10r			
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	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.38	0.5	0.38	0.5	0.38	0.5	0.38	0.5	0.38	0.5	0.38	0.5	0.38	0.5	
	b33r	b24r	b09r	g85b	g59b	g37b	g22b	j13g	g06b	b39r	b33r	b20r	g94b	g59b	g32b	g15b	g06b	g01b	b45r	b41r	b33r	b09r	g59b	g22b	g06b	j98g	j92g	g59b	g59b	g59b	b10r	r15j	r15j	r15j	r15j	r15j	b10r	b10r	b10r	b10r			
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	0.63	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	
	b33r	b26r	b16r	b10r	j79b	g59b	g41b	g27b	j18b	b38r	b33r	b24r	b09r	g85b	g59b	g37b	g22b	j13g	b43r	b39r	b33r	b20r	g94b	g59b	g32b	j15g	g06b	g59b	g59b	g59b	b10r	r15j	r15j	r15j	r15j	r15j	b10r	b10r	b10r	b10r			
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	0.88	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.75	0.75	0.75	0.75	
	b33r	b28r	b20r	b09r	g94b	g76b	g59b	g44b	g32b	b37r	b33r	b26r	b16r	b10r	j79b	g59b	g41b	g27b	b41r	b38r	b33r	b24r	b09r	g85b	g59b	g37b	g22b	g59b	g59b	g59b	b10r	r15j	r15j	r15j	r15j	r15j	b10r	b10r	b10r	b10r			
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	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	
	b33r	b28r	b23r	b14r	b04r	g89b	j73g	g59b	j46b	b37r	b33r	b28r	b20r	b09r	g94b	g76b	g59b	j44b	b40r	b37r	b33r	b26r	b16r	b10r	j79b	g59b	g41b	g59b	g59b	g59b	b10r	r15j	b10r	b10r	b10r	b10r	b10r	b10r	b10r	b10r	b10r		
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	
	b33r	b29r	b24r	b18r	b09r	g98b	g85b	g71b	g59b	b36r	b33r	b29r	b23r	b14r	b04r	g89b	g73b	g59b	b39r	b37r	b33r	b28r	b20r	b09r	g94b	j76b	g59b	g59b	g59b	g59b	g59b	g59b	g59b	g59b	g59b	g59b	g59b	b10r	b10r	b10r	b10r		
10	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	0.5	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
	r15j	r50j	r79j	j00g	j13g	j22g	j29g	j35g	j39g	r15j	r42j	r66j	r85j	j00g	j10g	j18g	j24g	j29g	r15j	r37j	r57j	r74j	r88j	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	b10r	b10r	b10r	b10r
11	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	0.88	0.87	0.12	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.87	0.87	0.87	0.87	0.87
	b90r	r15j	r66j	j00g	j18g	j29g	j37g	j42g	j46g	b94r	r15j	r50j	r79j	j00g	j13g	j22g	j29g	j35g	b97r	r15j	r42j	r66j	r85j	j00g	j00g	j18g	j24g	b33r	b10r	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	b10r	b10r	b10r	b10r
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
	b71r	b80r	r15j	j00g	j29g	j42g	j49g	j53g	j56g	b80r	b90r	r15j	r66j	j00g	j18g	j29g	j37g	j42g	b86r	b94r	r15j	r50j	r79j	j00g	j13g	j22g	j29g	b33r	b33r	b10r	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	b10r	b10r	b10r	b10r	
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
	b56r	b65r	b56r	b10r	j70g	j70g	j70g	j70g	j70g	b67r	b71r	b80r	r15j	j00g	j29g	j42g	j49g	j53g	b75r	b80r	b90r	r15j	r66j	j00g	j18g	j29g	j37g	b33r	b33r	b33r	b10r	j00g	j00g	j00g	j00g	j00g	j00g	j00g	j00g	b10r	b10r	b10r	b10r
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	0.5	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
	b51r	b49r	b45r	b33r	g59b	g06b	j92g	j85g	j81g	b56r	b56r	b56r	b56r	b10r	j70g	j70g	j70g	j70g	b65r	b67r	b71r	b80r	r15j	j00g	j29g	j42g	j49g	b33r	b33r	b33r	b33r	b10r	j00g	j00g	j00g	j00g	j00g	j00g	j00g	b10r	b10r	b10r	b10r
15	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	0.75	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	
	b48r	b45r	b41r	b33r	b09r	g59b	g22b	g06b	j98g	b52r	b51r	b49r	b45r	b33r	g59b	g06b	j92g	j85g	b56r	b56r	b56r	b56r	b10r	j70g	j70g	j70g	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b33r	b10r	j00g	j00g	j00g	j00g	b10r	b10r	b10r	b10r
16	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	0.88	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.4	0.4	0.4	0.4	
	b45r	b43r	b39r	b33r	g59b	g59b	g32b	g15b	j22g	b48r	b45r	b41r	b33r	b09r	g59b	g22b	g07b	b55r	b52r	b55r	b49r	b45r	b33r	g59b	g06b	j92g	b33r	b33r	b33r	b33r	b33r	b33r	b33r										

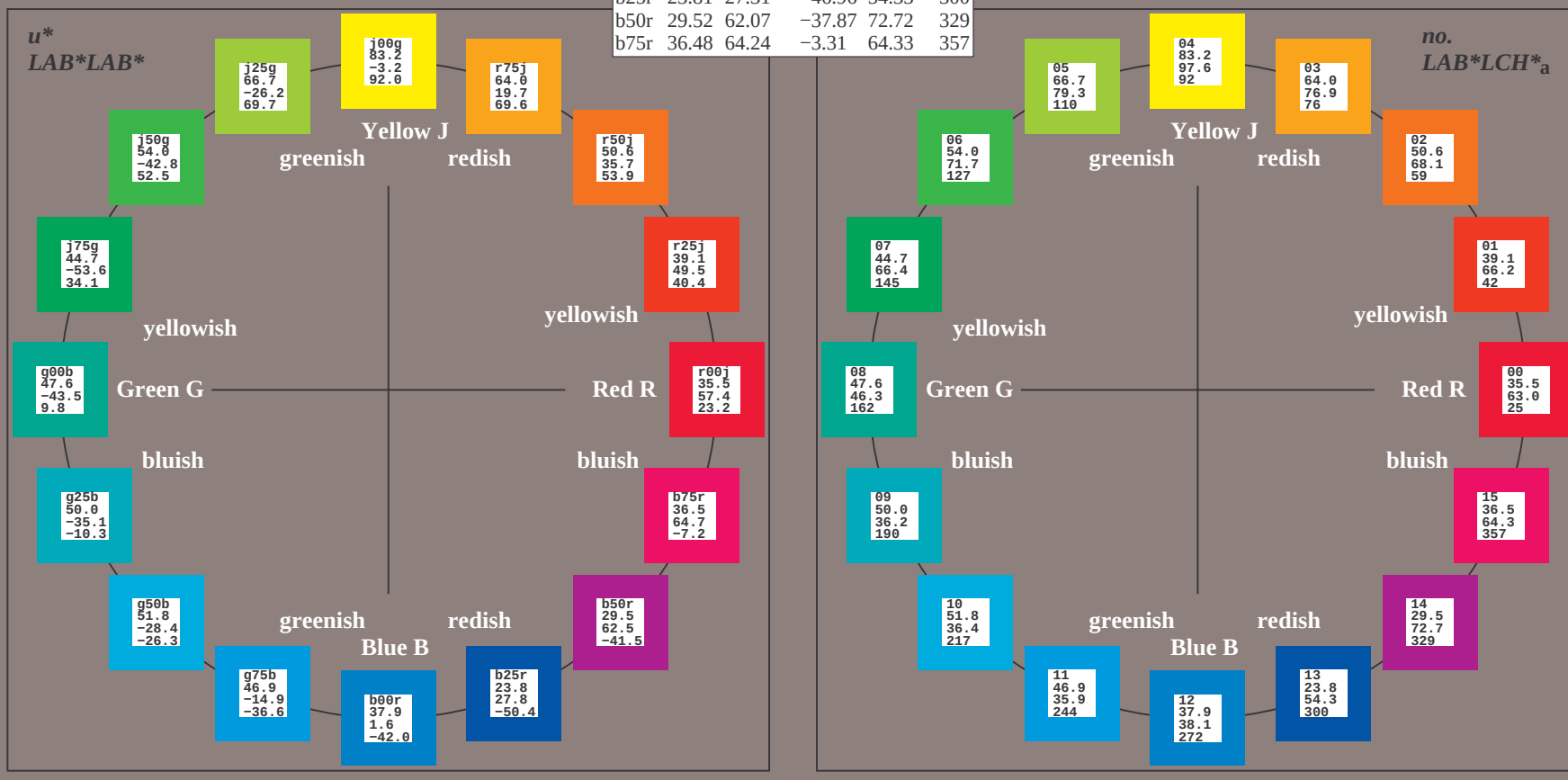
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^{*}_{rel} = 88$
%Regularity
 $g^{*}_{H,rel} = 31$
 $g^{*}_{C,rel} = 40$

FRS15_90M; CIELAB data					
	$L^{*}=L^{*}$	a^{*}	b^{*}	C^{*}_{ab}	h^{*}_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

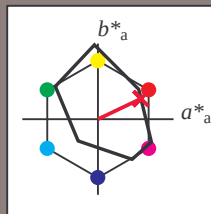
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

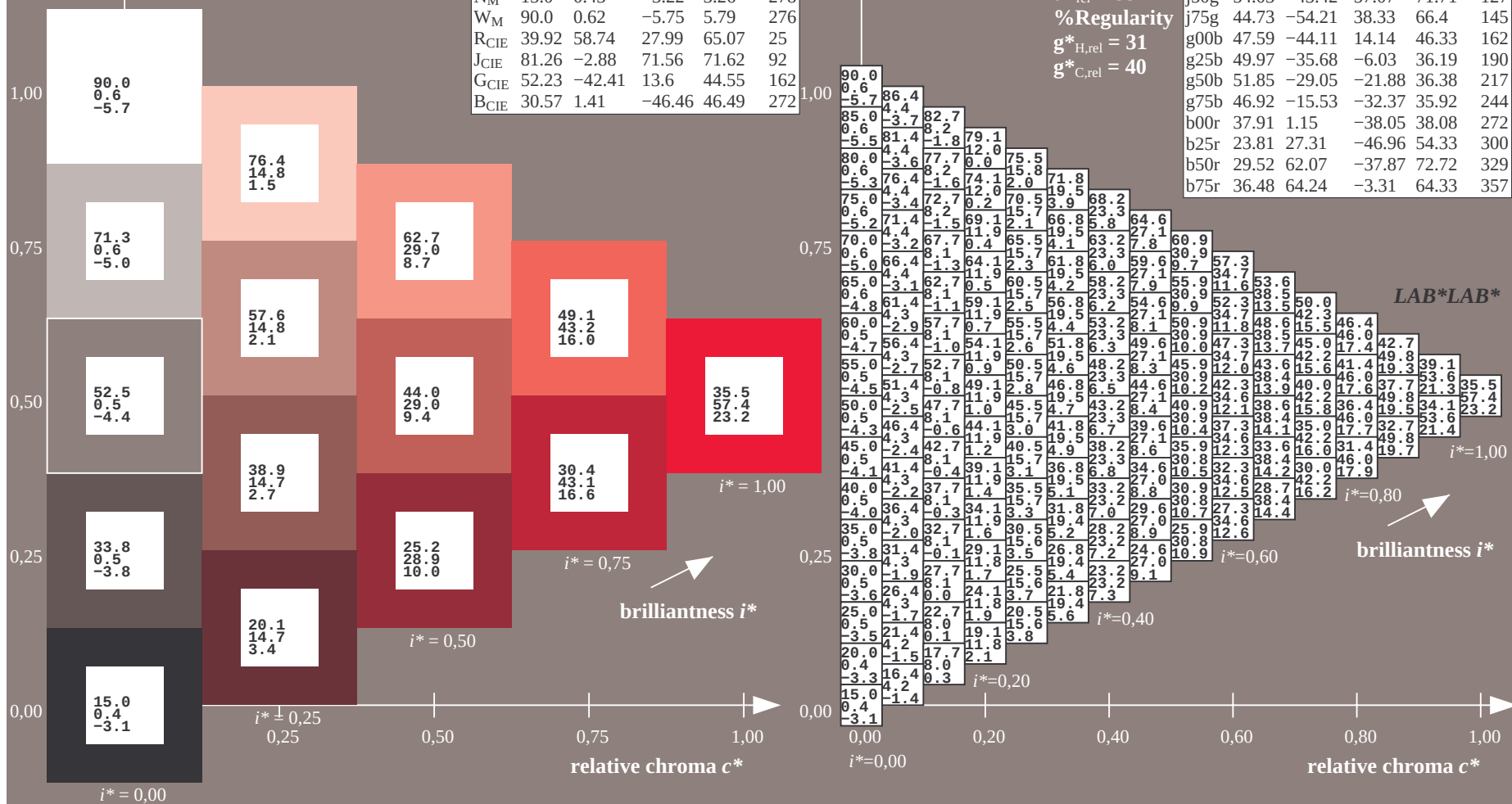
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

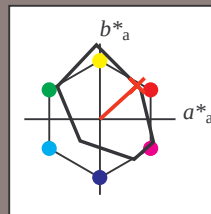
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

LAB^*LAB^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

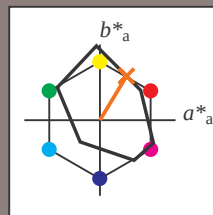
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

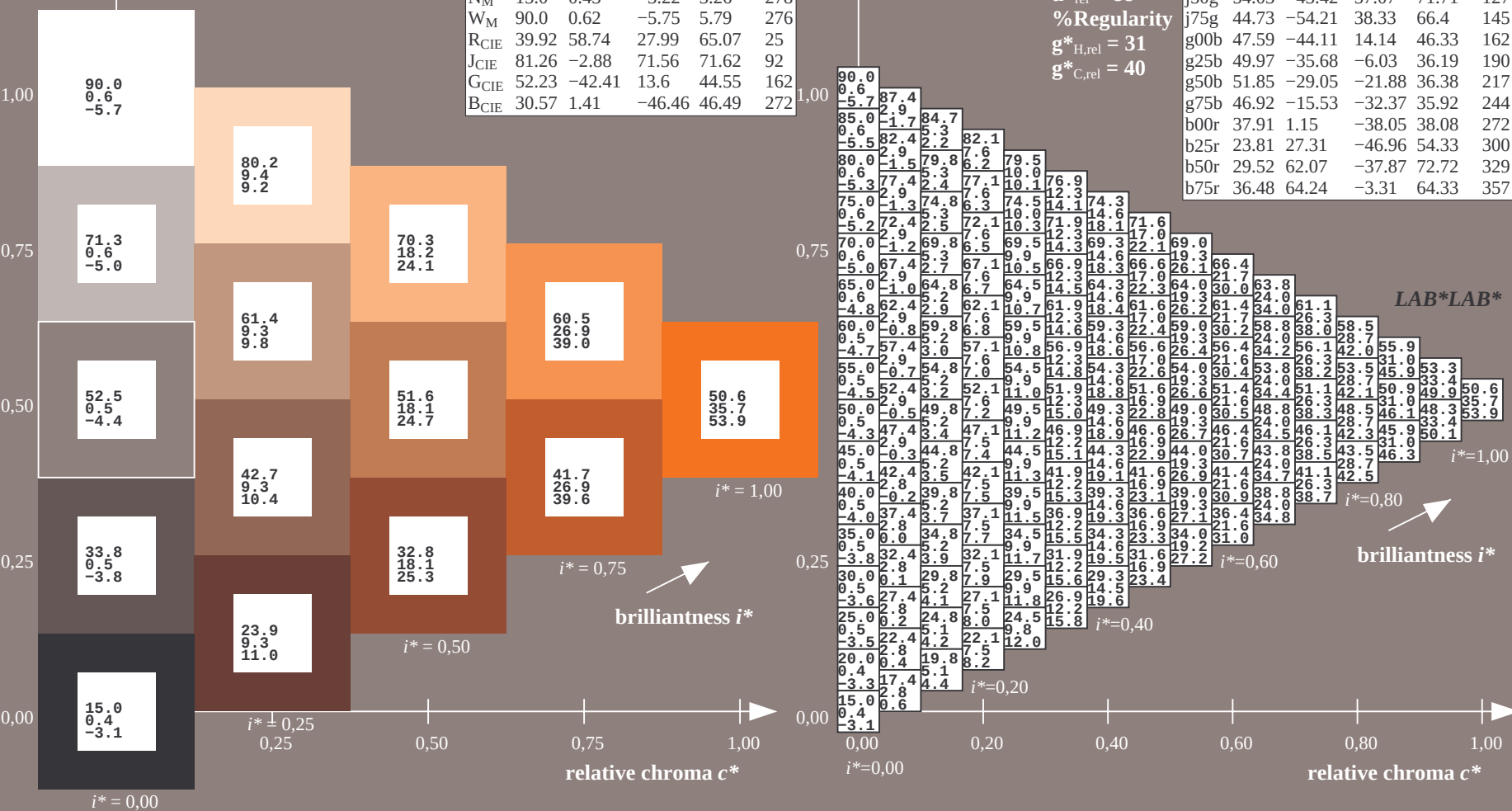
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

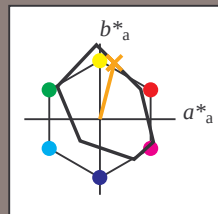
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

LAB^*LAB^*

$i^*=1.00$

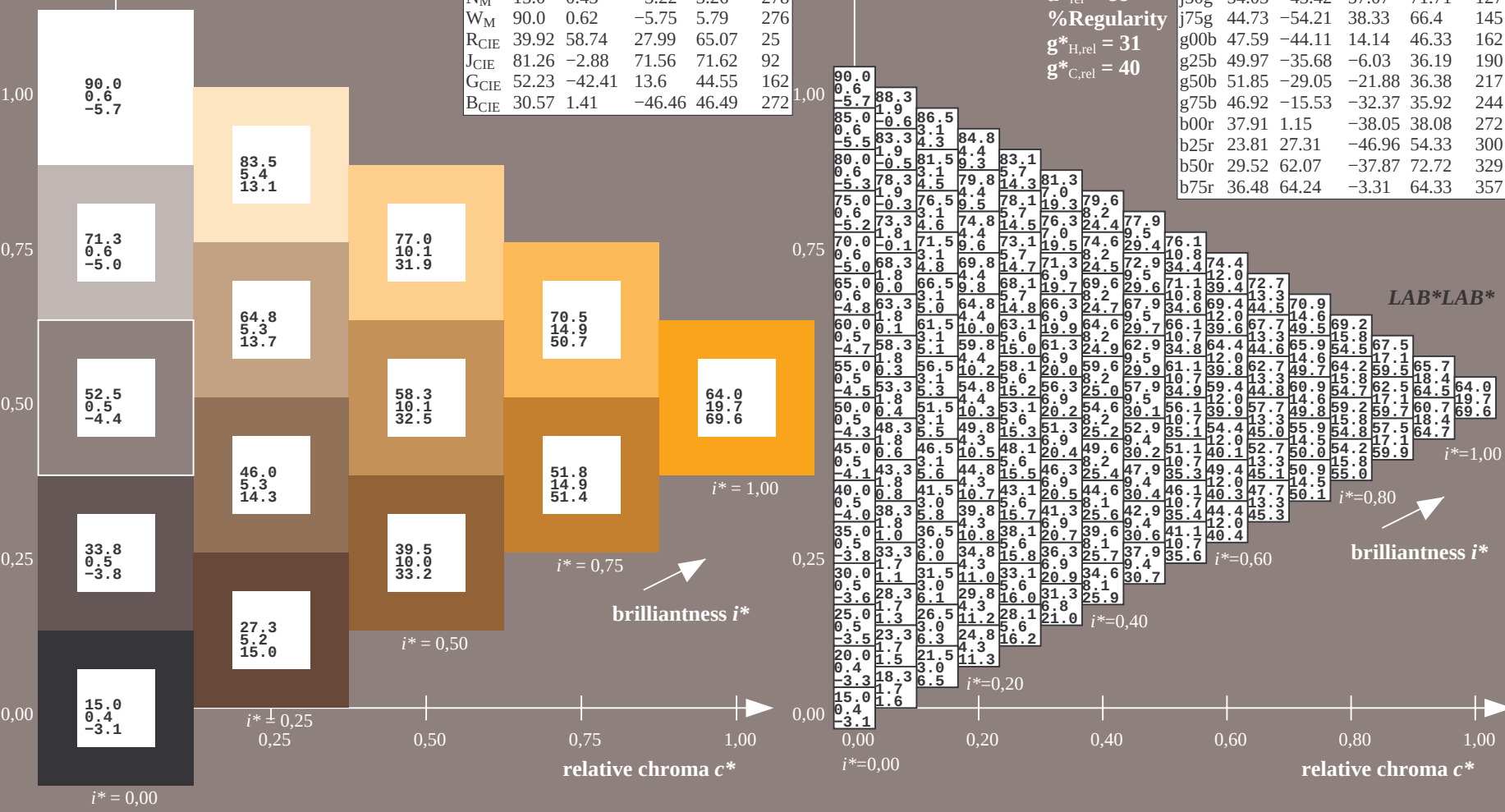
brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

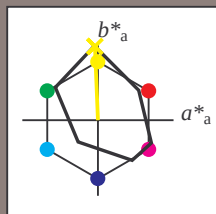
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

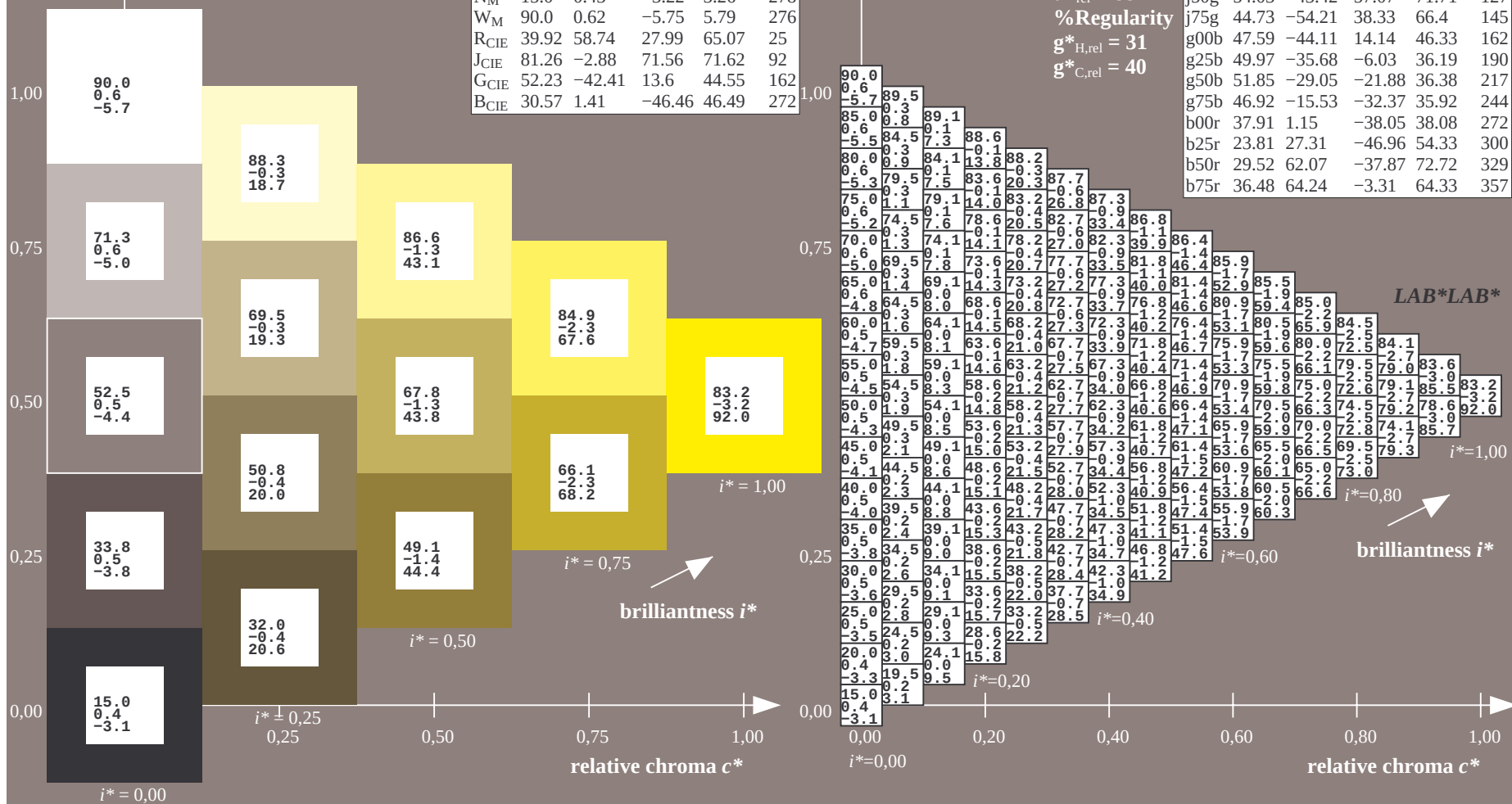
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

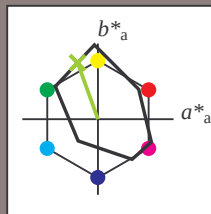
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

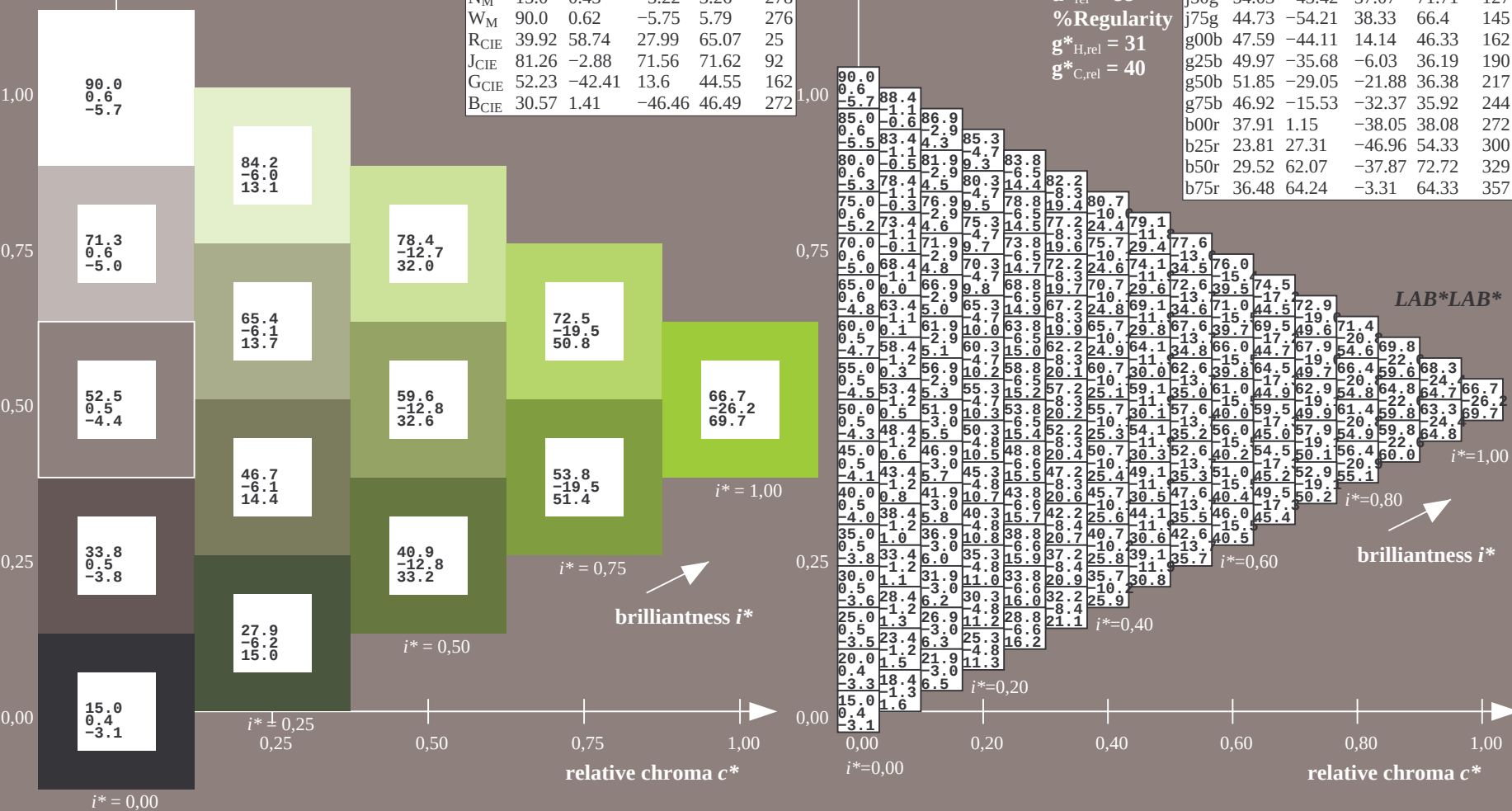
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

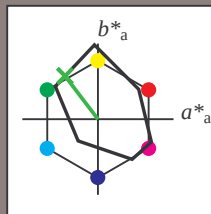
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

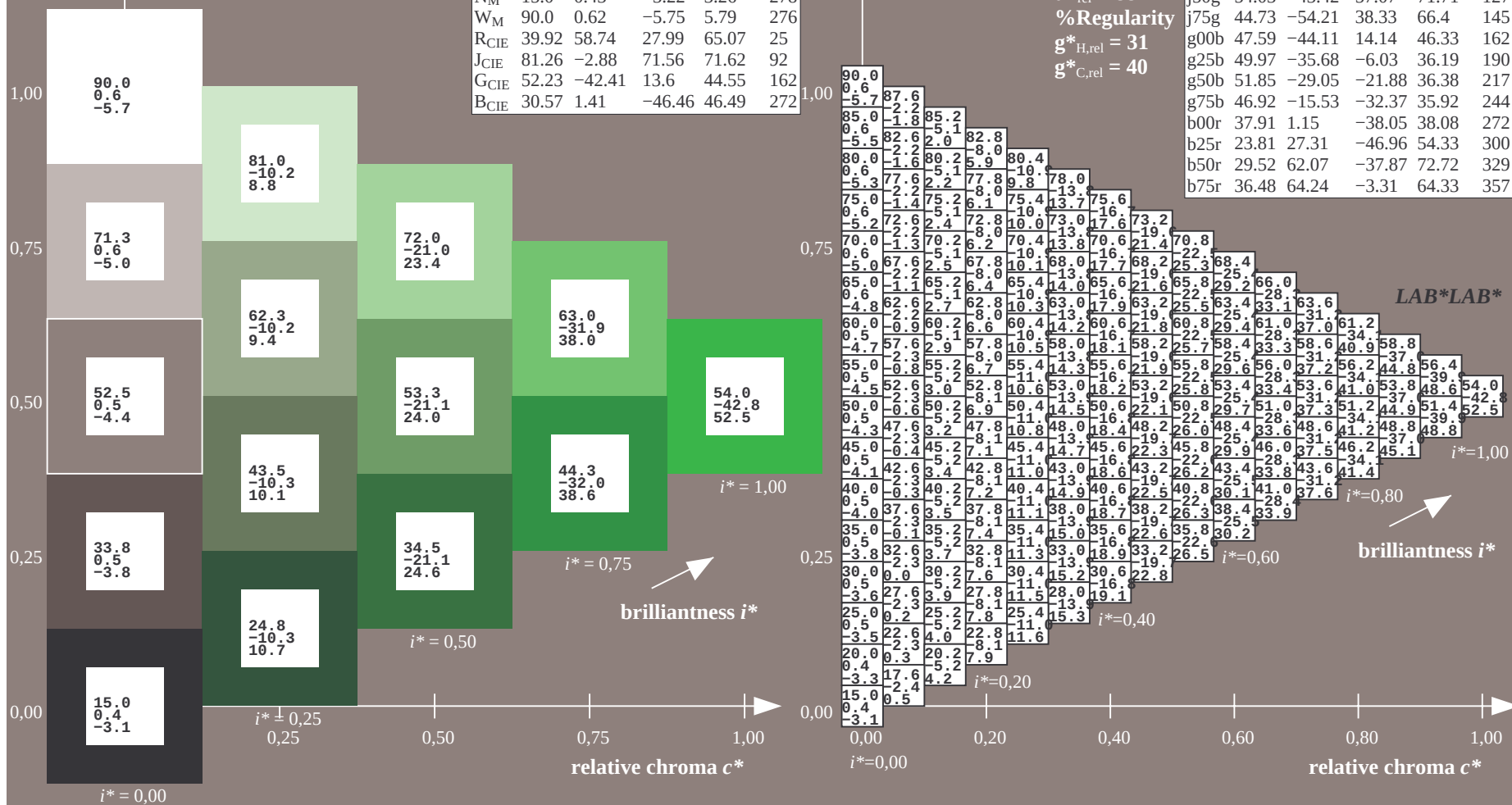
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

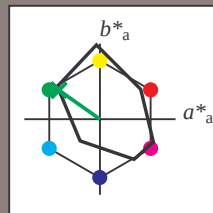
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

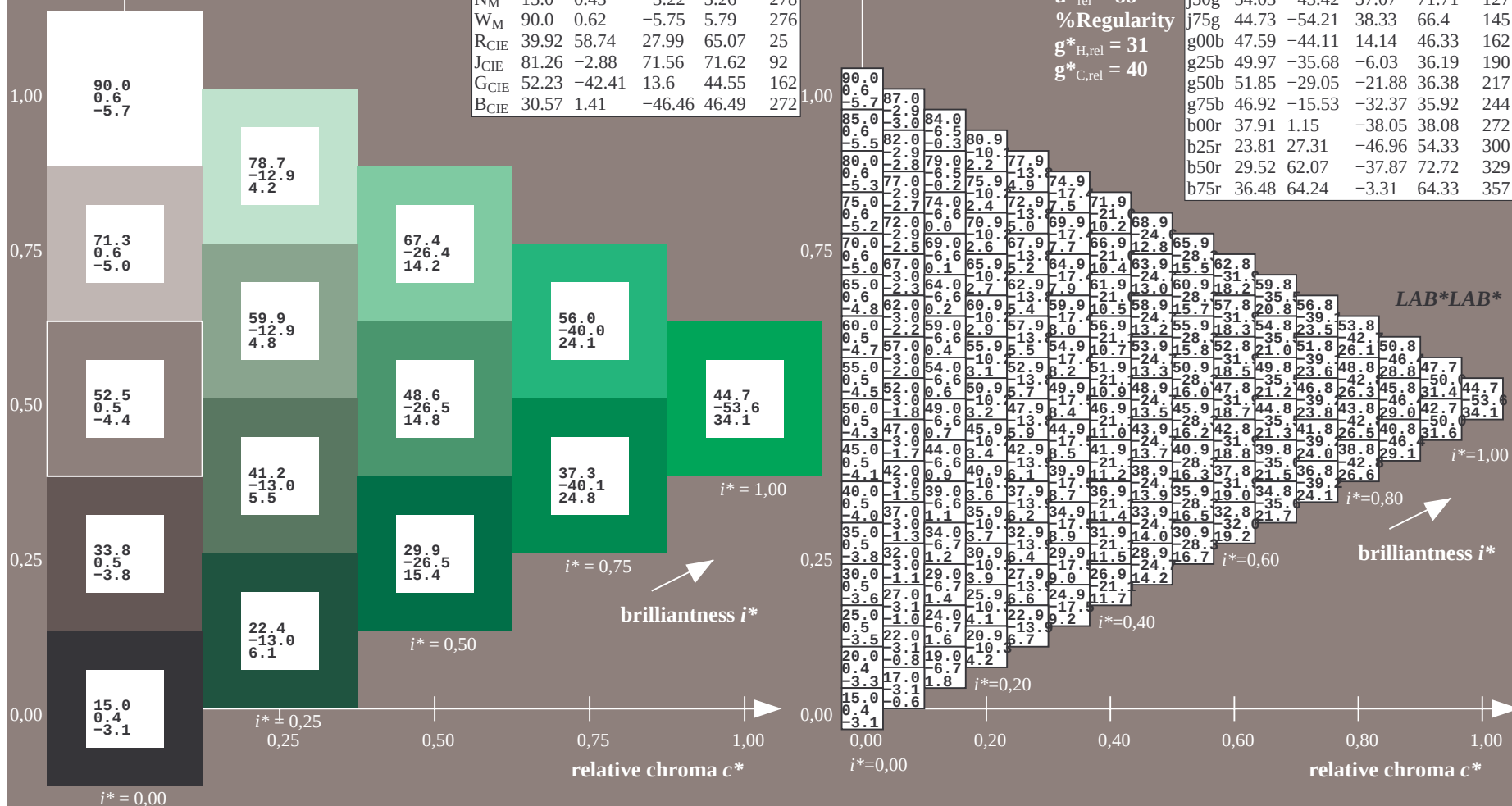
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

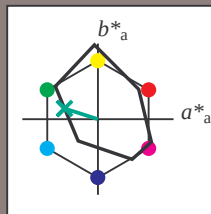
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

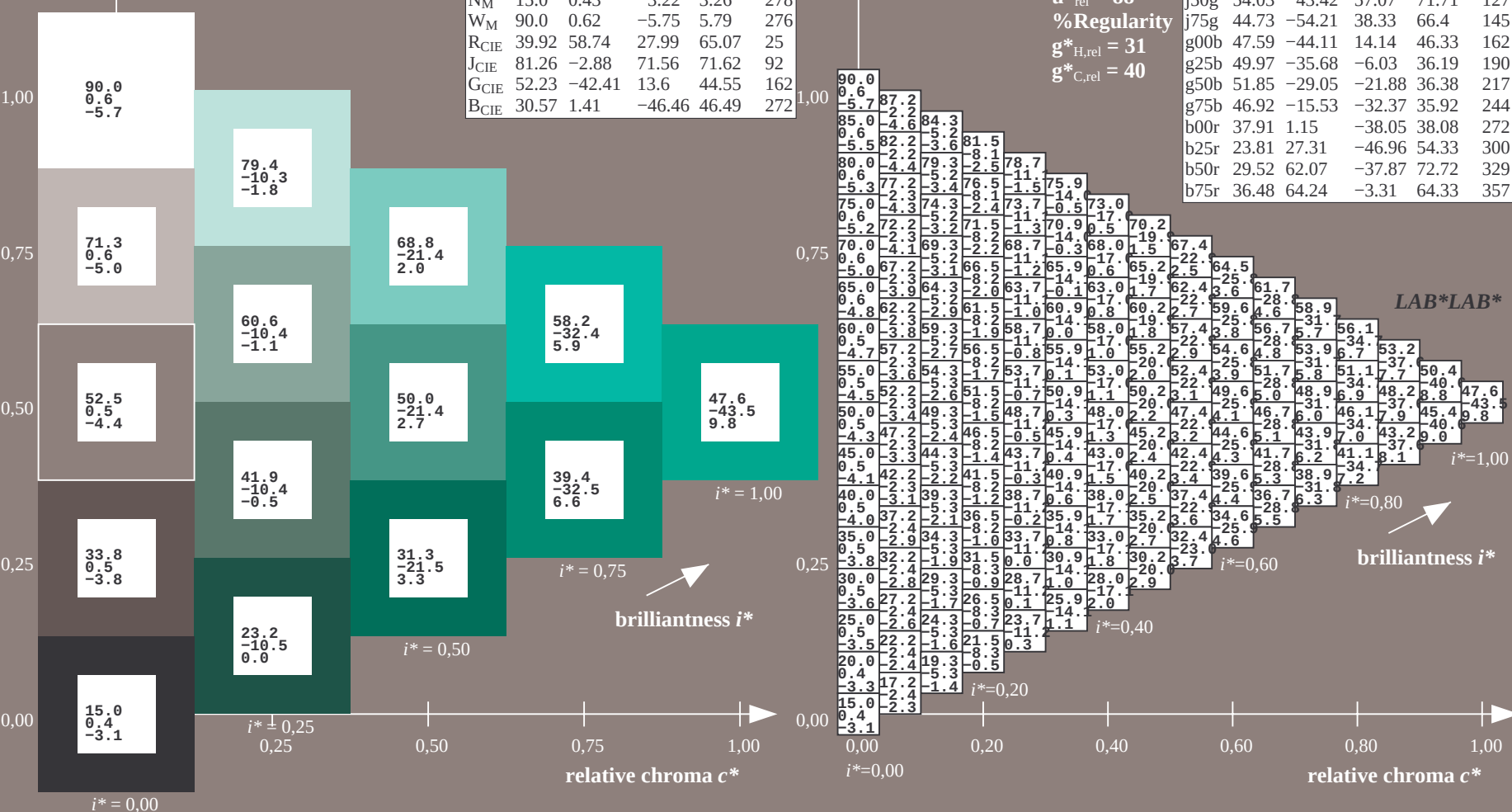
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

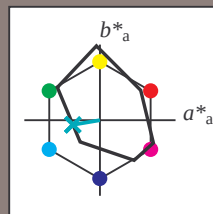
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

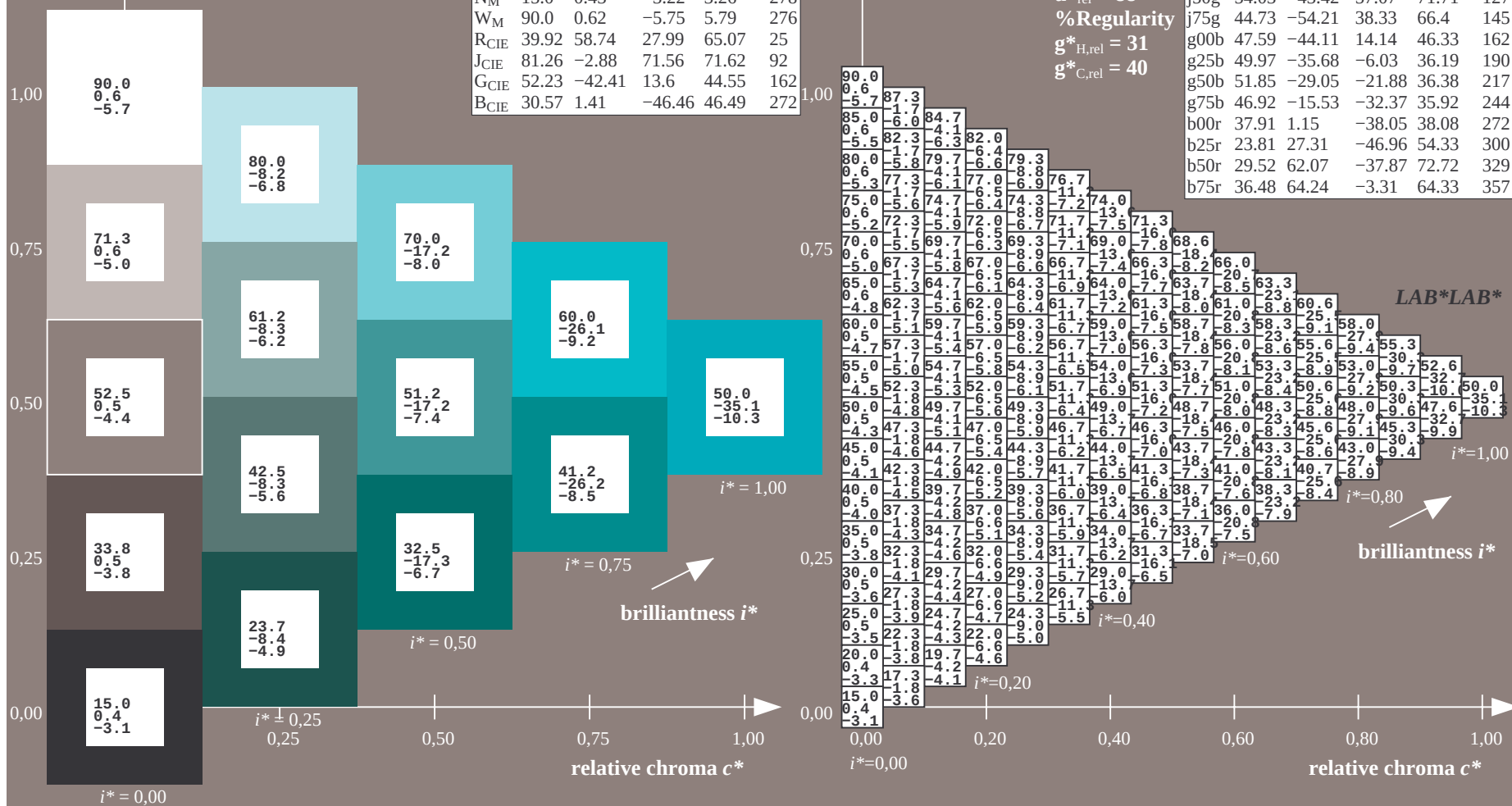
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

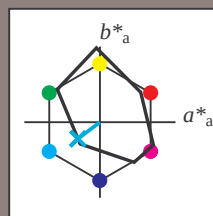
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

LAB^*LAB^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

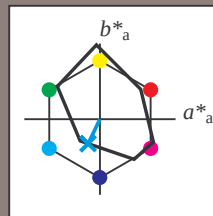
elementary hue text:

$$u^* = g75b$$

contrast reduction factor:

 $c_B = 0.9$ triangle lightness t^*

triangle lightness t



FRS15_90M; CIELAB data					
	$L^*_{*} = L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	94
L _M	44.13	-55.82	39.15	68.19	142
C _M	52.66	-25.66	-33.24	42.01	233
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	270
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	167
B _{CIE}	30.57	1.41	-46.46	46.49	273

Data for maximum colour (Ma):

*LAB*LAB**M₂: 47 -15 -31

LAB*ICH* - : 47 36 244

LAB*LCH*Ma: 47 36 2.

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

*lab*olv**Ma: 0.0 0.85 1.0

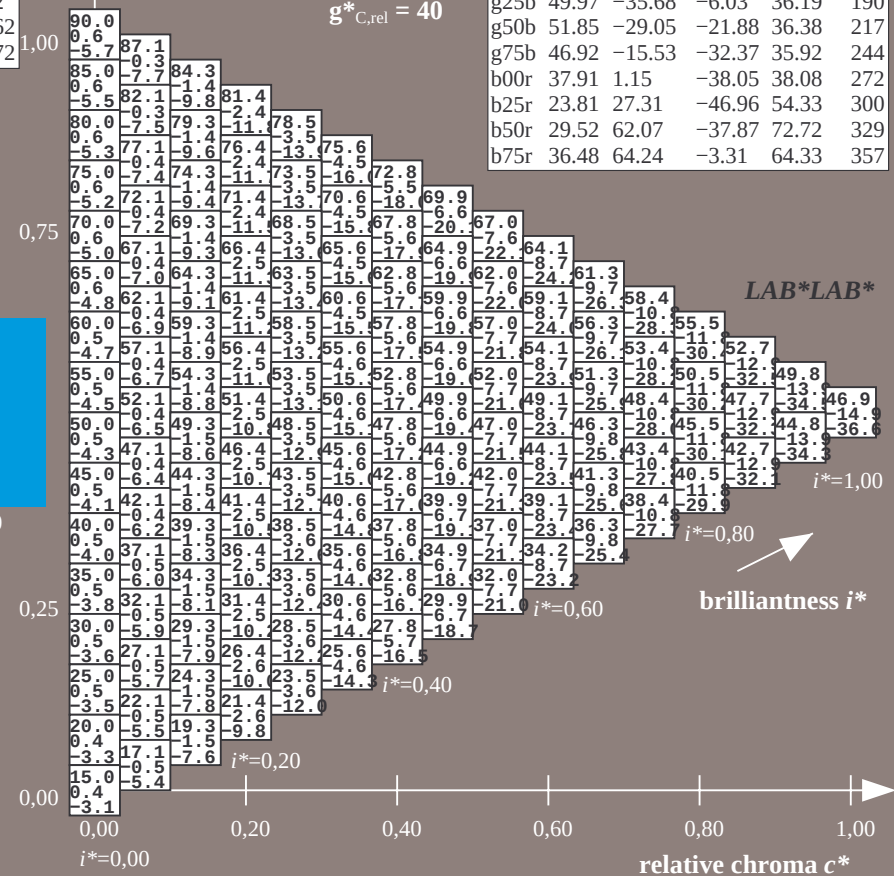
triangle lightness t^*

triangle lightness 1

%Gamut

$$\mathbf{u}_{\text{rel}}^* = 88$$

%Regular

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


*LAB*LAB**

brilliantness *i**

BAM-test chart De93; Colorimetric systems, Page 139/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

BAM registration: 20080701-De93/10L/L93E00NA.PS/.TXT BAM material: code=rh44a
- application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

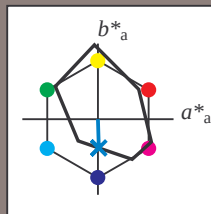
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -37

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

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

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

triangle lightness t^*

%Gamut

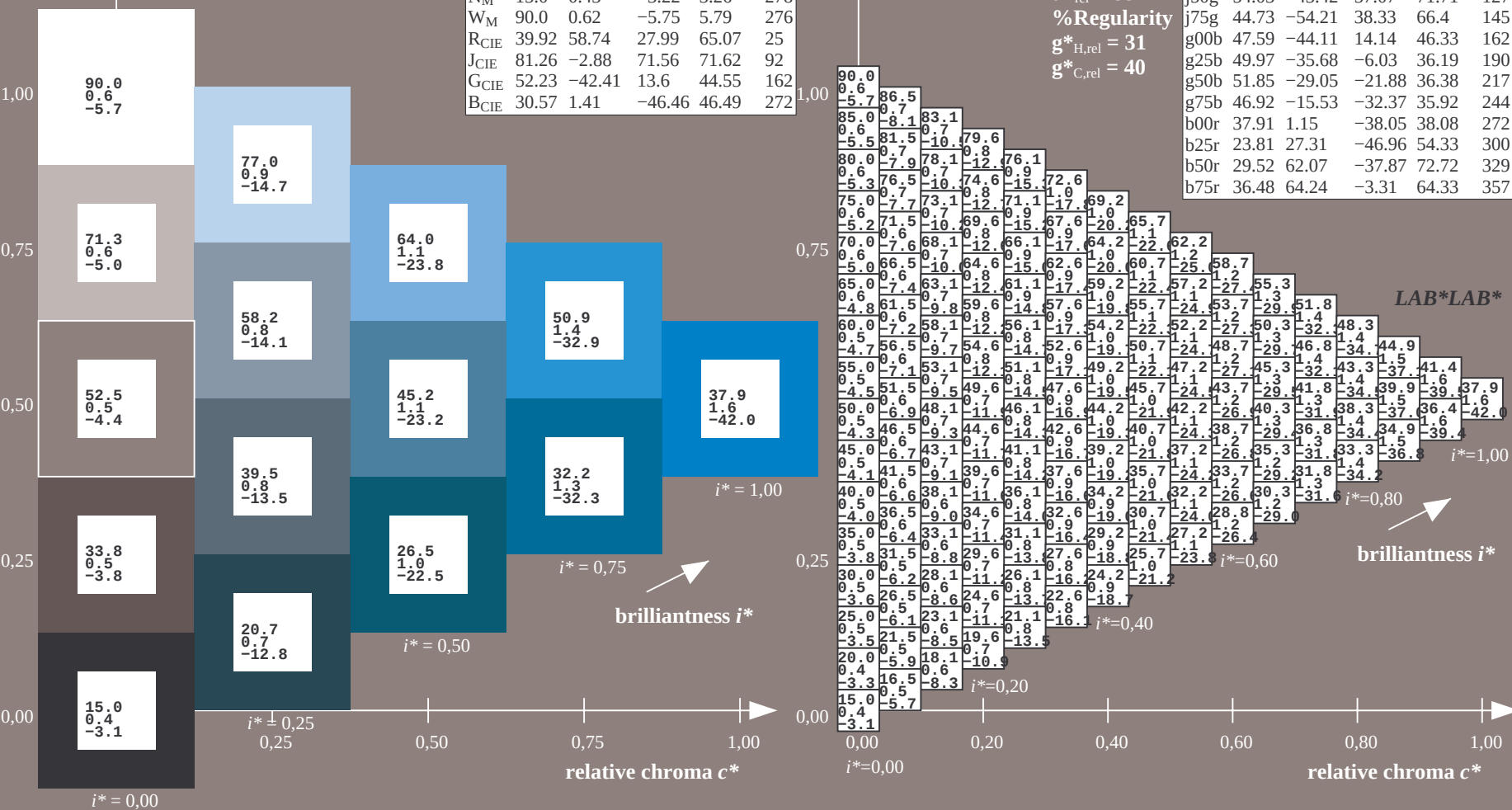
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

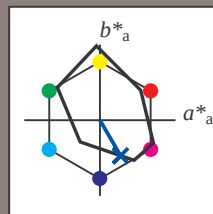
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

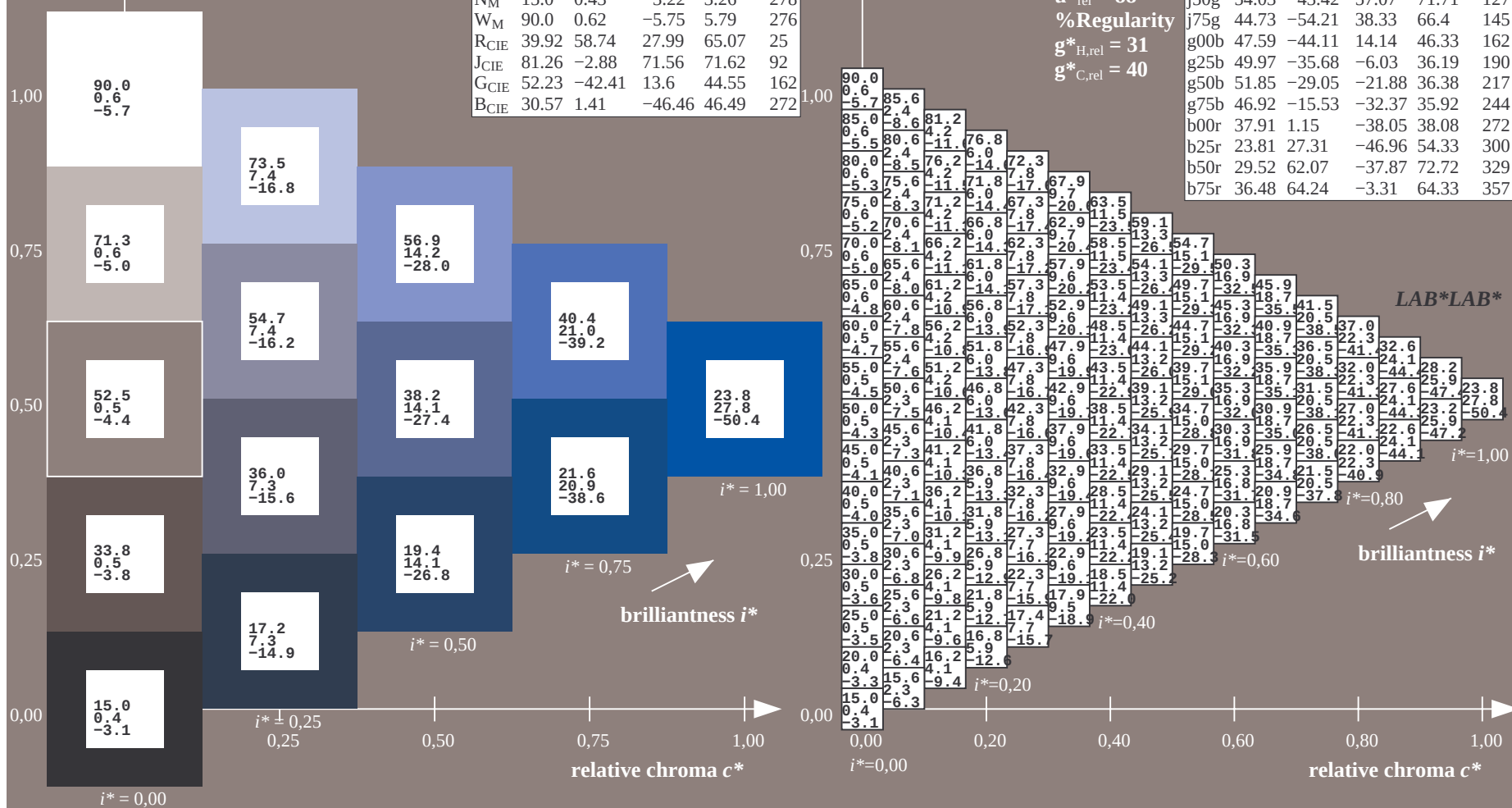
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

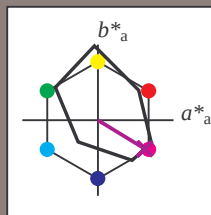
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

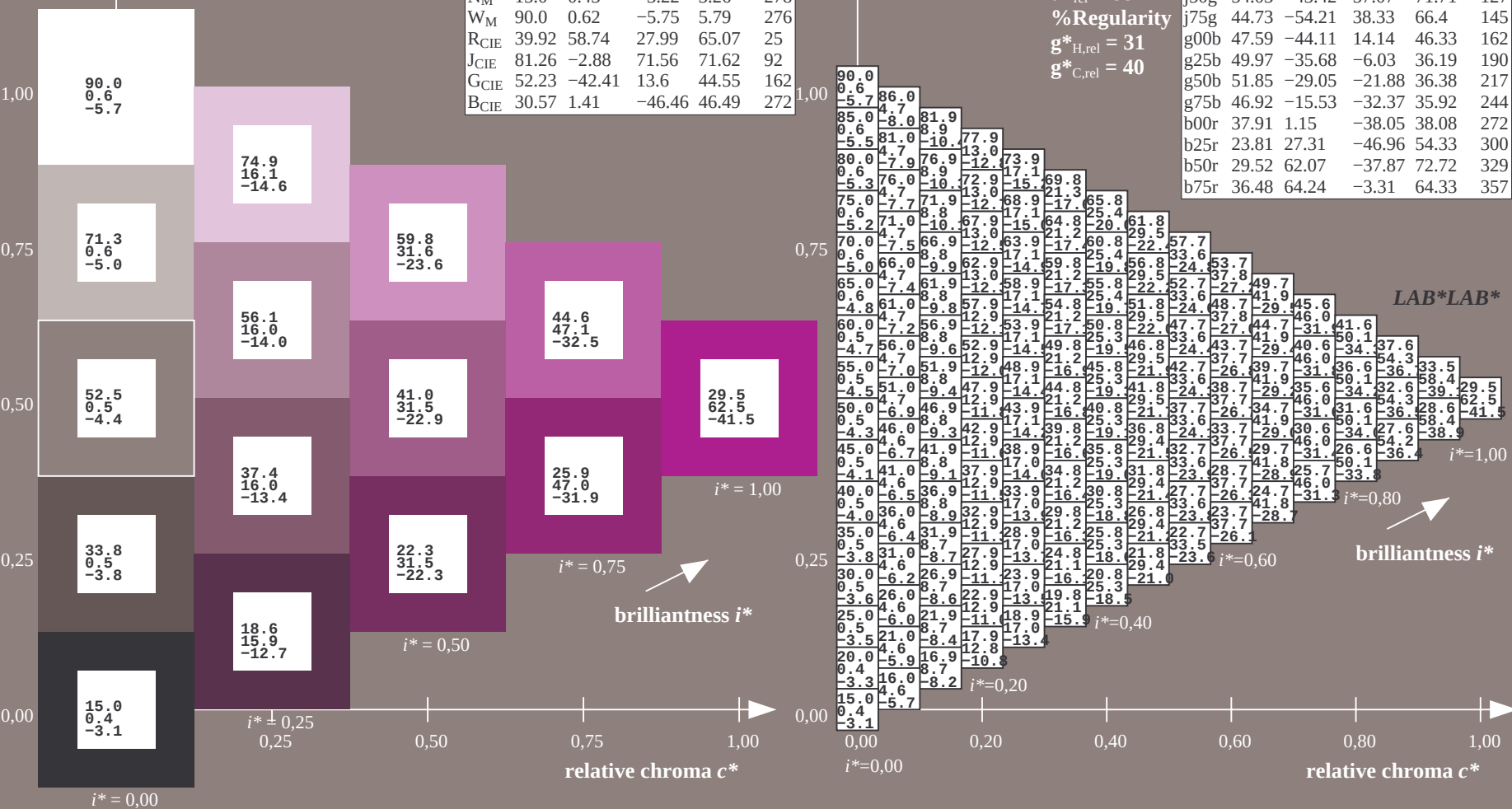
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

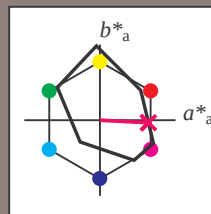
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

LAB^*LAB^*

$i^* = 1.00$

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/De93/>; www.ps.bam.de/De93/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

BAM registration: 20080701-De93/10L/L93E00NA.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	15.0	18.6	22.3	25.9	29.6	33.2	36.9	40.5	44.1	47.7	51.3	54.9	58.5	62.1	65.7	69.3	72.9	76.5	80.1	83.7	87.3	90.9	94.5	98.1	101.7	105.3	108.9	112.5	116.1	119.7	123.3	126.9	130.5	134.1	137.7	141.3	144.9	148.5	152.1	155.7	159.3	162.9	166.5	170.1	173.7	177.3	180.9	184.5	188.1	191.7	195.3	198.9	202.5	206.1	209.7	213.3	216.9	220.5	224.1	227.7	231.3	234.9	238.5	242.1	245.7	249.3	252.9	256.5	260.1	263.7	267.3	270.9	274.5	278.1	281.7	285.3	288.9	292.5	296.1	300.1	303.7	307.3	310.9	314.5	318.1	321.7	325.3	328.9	332.5	336.1	339.7	343.3	346.9	350.5	354.1	357.7	361.3	364.9	368.5	372.1	375.7	379.3	382.9	386.5	390.1	393.7	397.3	400.9	404.5	408.1	411.7	415.3	418.9	422.5	426.1	429.7	433.3	436.9	440.5	444.1	447.7	451.3	454.9	458.5	462.1	465.7	469.3	472.9	476.5	480.1	483.7	487.3	490.9	494.5	498.1	501.7	505.3	508.9	512.5	516.1	519.7	523.3	526.9	530.5	534.1	537.7	541.3	544.9	548.5	552.1	555.7	559.3	562.9	566.5	570.1	573.7	577.3	580.9	584.5	588.1	591.7	595.3	598.9	602.5	606.1	609.7	613.3	616.9	620.5	624.1	627.7	631.3	634.9	638.5	642.1	645.7	649.3	652.9	656.5	660.1	663.7	667.3	670.9	674.5	678.1	681.7	685.3	688.9	692.5	696.1	699.7	703.3	706.9	710.5	714.1	717.7	721.3	724.9	728.5	732.1	735.7	739.3	742.9	746.5	750.1	753.7	757.3	760.9	764.5	768.1	771.7	775.3	778.9	782.5	786.1	789.7	793.3	796.9	800.5	804.1	807.7	811.3	814.9	818.5	822.1	825.7	829.3	832.9	836.5	840.1	843.7	847.3	850.9	854.5	858.1	861.7	865.3	868.9	872.5	876.1	879.7	883.3	886.9	890.5	894.1	897.7	901.3	904.9	908.5	912.1	915.7	919.3	922.9	926.5	930.1	933.7	937.3	940.9	944.5	948.1	951.7	955.3	958.9	962.5	966.1	969.7	973.3	976.9	980.5	984.1	987.7	991.3	994.9	998.5	1002.1	1005.7	1009.3	1012.9	1016.5	1020.1	1023.7	1027.3	1030.9	1034.5	1038.1	1041.7	1045.3	1048.9	1052.5	1056.1	1059.7	1063.3	1066.9	1070.5	1074.1	1077.7	1081.3	1084.9	1088.5	1092.1	1095.7	1099.3	1102.9	1106.5	1110.1	1113.7	1117.3	1120.9	1124.5	1128.1	1131.7	1135.3	1138.9	1142.5	1146.1	1149.7	1153.3	1156.9	1160.5	1164.1	1167.7	1171.3	1174.9	1178.5	1182.1	1185.7	1189.3	1192.9	1196.5	1200.1	1203.7	1207.3	1210.9	1214.5	1218.1	1221.7	1225.3	1228.9	1232.5	1236.1	1239.7	1243.3	1246.9	1250.5	1254.1	1257.7	1261.3	1264.9	1268.5	1272.1	1275.7	1279.3	1282.9	1286.5	1290.1	1293.7	1297.3	1300.9	1304.5	1308.1	1311.7	1315.3	1318.9	1322.5	1326.1	1329.7	1333.3	1336.9	1340.5	1344.1	1347.7	1351.3	1354.9	1358.5	1362.1	1365.7	1369.3	1372.9	1376.5	1380.1	1383.7	1387.3	1390.9	1394.5	1398.1	1401.7	1405.3	1408.9	1412.5	1416.1	1419.7	1423.3	1426.9	1430.5	1434.1	1437.7	1441.3	1444.9	1448.5	1452.1	1455.7	1459.3	1462.9	1466.5	1470.1	1473.7	1477.3	1480.9	1484.5	1488.1	1491.7	1495.3	1498.9	1502.5	1506.1	1509.7	1513.3	1516.9	1520.5	1524.1	1527.7	1531.3	1534.9	1538.5	1542.1	1545.7	1549.3	1552.9	1556.5	1560.1	1563.7	1567.3	1570.9	1574.5	1578.1	1581.7	1585.3	1588.9	1592.5	1596.1	1599.7	1603.3	1606.9	1610.5	1614.1	1617.7	1621.3	1624.9	1628.5	1632.1	1635.7	1639.3	1642.9	1646.5	1650.1	1653.7	1657.3	1660.9	1664.5	1668.1	1671.7	1675.3	1678.9	1682.5	1686.1	1689.7	1693.3	1696.9	1700.5	1704.1	1707.7	1711.3	1714.9	1718.5	1722.1	1725.7	1729.3	1732.9	1736.5	1740.1	1743.7	1747.3	1750.9	1754.5	1758.1	1761.7	1765.3	1768.9	1772.5	1776.1	1779.7	1783.3	1786.9	1790.5	1794.1	1797.7	1801.3	1804.9	1808.5	1812.1	1815.7	1819.3	1822.9	1826.5	1830.1	1833.7	1837.3	1840.9	1844.5	1848.1	1851.7	1855.3	1858.9	1862.5	1866.1	1869.7	1873.3	1876.9	1880.5	1884.1	1887.7	1891.3	1894.9	1898.5	1902.1	1905.7	1909.3	1912.9	1916.5	1920.1	1923.7	1927.3	1930.9	1934.5	1938.1	1941.7	1945.3	1948.9	1952.5	1956.1	1959.7	1963.3	1966.9	1970.5	1974.1	1977.7	1981.3	1984.9	1988.5	1992.1	1995.7	1999.3	2002.9	2006.5	2010.1	2013.7	2017.3	2020.9	2024.5	2028.1	2031.7	2035.3	2038.9	2042.5	2046.1	2049.7	2053.3	2056.9	2060.5	2064.1	2067.7	2071.3	2074.9	2078.5	2082.1	2085.7	2089.3	2092.9	2096.5	2100.1	2103.7	2107.3	2110.9	2114.5	2118.1	2121.7	2125.3	2128.9	2132.5	2136.1	2139.7	2143.3	2146.9	2150.5	2154.1	2157.7	2161.3	2164.9	2168.5	2172.1	2175.7	2179.3	2182.9	2186.5	2190.1	2193.7	2197.3	2200.9	2204.5	2208.1	2211.7	2215.3	2218.9	2222.5	2226.1	2229.7	2233.3	2236.9	2240.5	2244.1	2247.7	2251.3	2254.9	2258.5	2262.1	2265.7	2269.3	2272.9	2276.5	2280.1	2283.7	2287.3	2290.9	2294.5	2298.1	2301.7	2305.3	2308.9	2312.5	2316.1	2319.7	2323.3	2326.9	2330.5	2334.1	2337.7	2341.3	2344.9	2348.5	2352.1	2355.7	2359.3	2362.9	2366.5	2370.1	2373.7	2377.3	2380.9	2384.5	2388.1	2391.7	2395.3	2398.9	2402.5	2406.1	2409.7	2413.3	2416.9	2420.5	2424.1	2427.7	2431.3	2434.9	2438.5	2442.1	2445.7	2449.3	2452.9	2456.5	2460.1	2463.7	2467.3	2470.9	2474.5	2478.1	2481.7	2485.3	2488.9	2492.5	2496.1	2500.1	2503.7	2507.3	2510.9	2514.5	2518.1	2521.7	2525.3	2528.9	2532.5	2536.1	2539.7	2543.3	2546.9	2550.5	2554.1	2557.7	2561.3	2564.9	2568.5	2572.1	2575.7	2579.3	2582.9	2586.5	2590.1	2593.7	2597.3	2600.9	2604.5	2608.1	2611.7	2615.3	2618.9	2622.5	2626.1	2629.7	2633.3	2636.9	2640.5	2644.1	2647.7	2651.3	2654.9	2658.5	2662.1	2665.7	2669.3	2672.9	2676.5	2680.1	2683.7	2687.3	2690.9	2694.5	2698.1	2701.7	2705.3	2708.9	2712.5	2716.1	2719.7	2723.3	2726.9	2730.5	2734.1	2737.7	2741.3	2744.9	2748.5	2752.1	2755.7	2759.3	2762.9	2766.5	2770.1	2773.7	2777.3	2780.9	2784.5	2788.1	2791.7	2795.3	2798.9	2802.5	2806.1	2809.7	2813.3	2816.9	2820.5	2824.1	2827.7	2831.3	2834.9	2838.5	2842.1	2845.7	2849.3	2852.9	2856.5	2860.1	2863.7	2867.3	2870.9	2874.5	2878.1	2881.7	2885.3	2888.9	2892.5	2896.1	2900.1	2903.7	2907.3	2910.9	2914.5	2918.1	2921.7	2925.3	2928.9	2932.5	2936.1	2939.7	2943.3	2946.9	2950.5	2954.1	2957.7	2961.3	2964.9	2968.5	2972.1	2975.7	2979.3	2982.9	2986.5	2990.1	2993.7	2997.3	3000.9	3004.5	3008.1	3011.7	3015.3	3018.9	3022.5	3026.1	3029.7	3033.3	3036.9	3040.5	3044.1	3047.7	3051.3	3054.9	3058.5	3062.1	3065.7	3069.3	3072.9	3076.5	3080.1	3083.7	3087.3	3090.9	3094.5	3098.1	3101.7	3105.3	3108.9	3112.5	3116.1	3119.7	3123.3	3126.9	3130.5	3134.1	3137.7	3141.3	3144.9	3148.5	3152.1	3155.7	3159.3	3162.9	3166.5	3170.1	3173.7	3177.3	3180.9	3184.5	3188.1	3191.7	3195.3	3198.9	3202.5	3206.1	3209.7	3213.3	3216.9	3220.5	3224.1	3227.7	3231.3	3234.9	3238.5	3242.1	3245.7	3249.3	3252.9	3256.5	3260.1	3263.7	3267.3	3270.9	3274.5	3278.1	3281.7	3285.3	3288.9	3292.5	3296.1	3300.1	3303.7	3307.3	3310.9	3314.5	3318.1	3321.7	3325.3	3328.9	3332.5	3336.1	3339.7	3343.3	3346.9	3350.5	

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

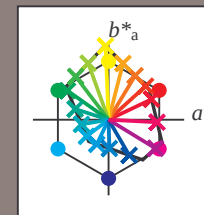
$u^* = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut

$u^*_{rel} = 88$

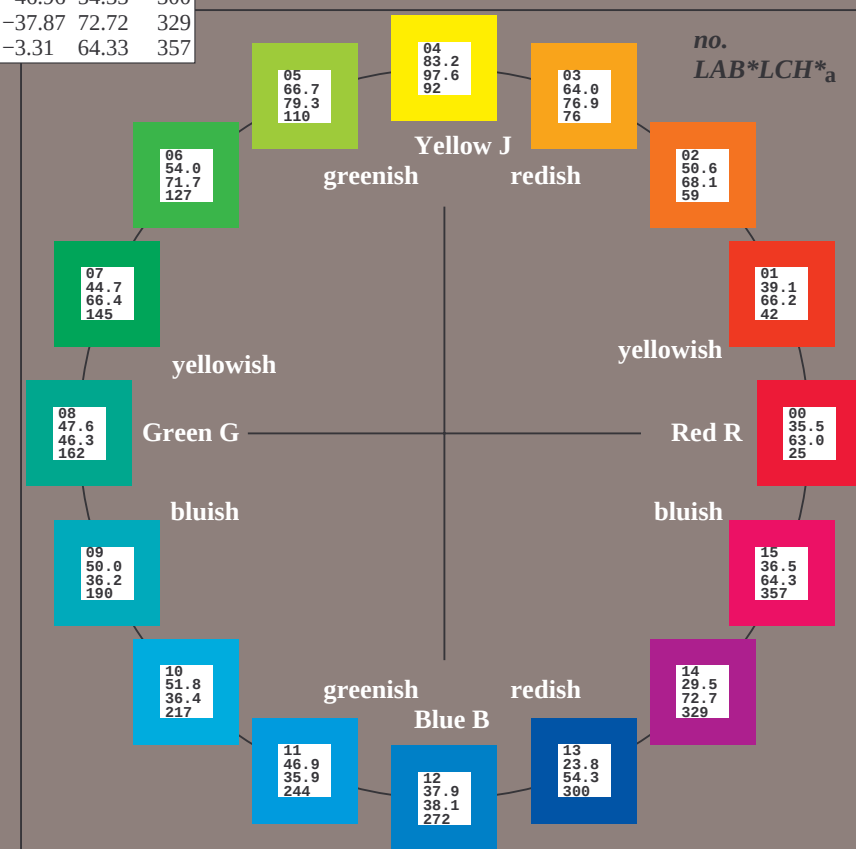
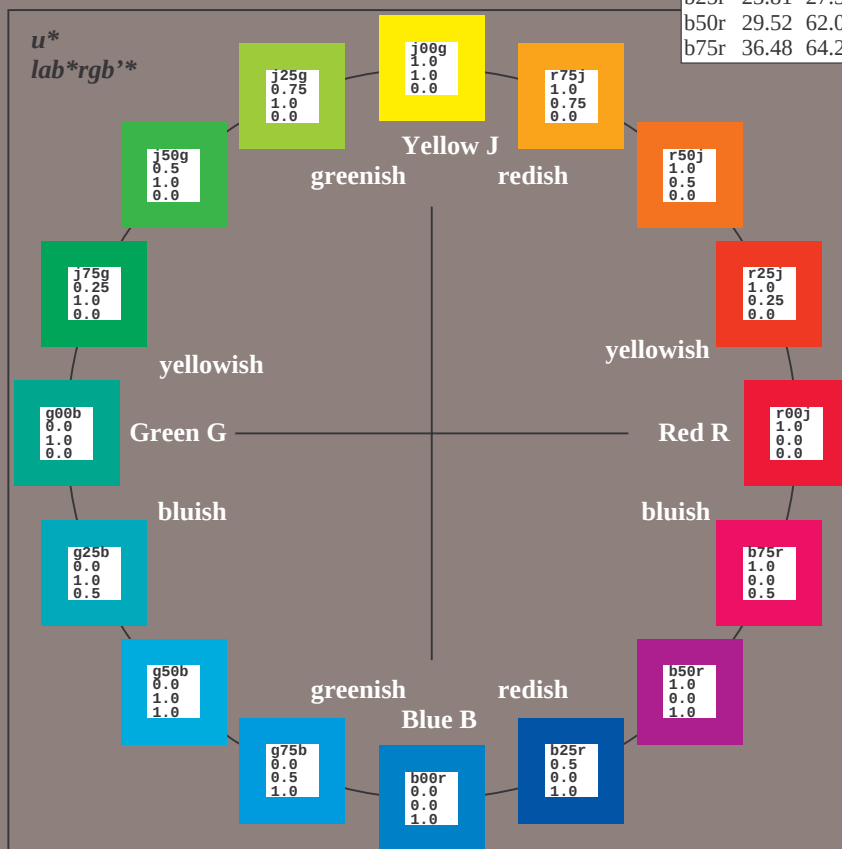
%Regularity

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

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

FRS15_90aM; CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

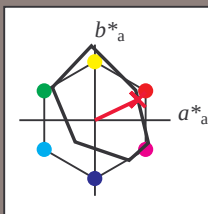
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

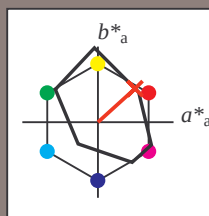
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 49 44

$LAB^*LCH^*_{Ma}$: 39 66 42

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

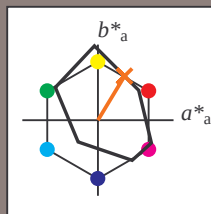
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

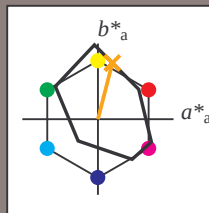
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

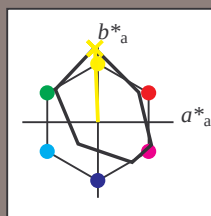
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

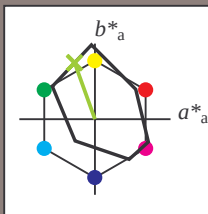
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

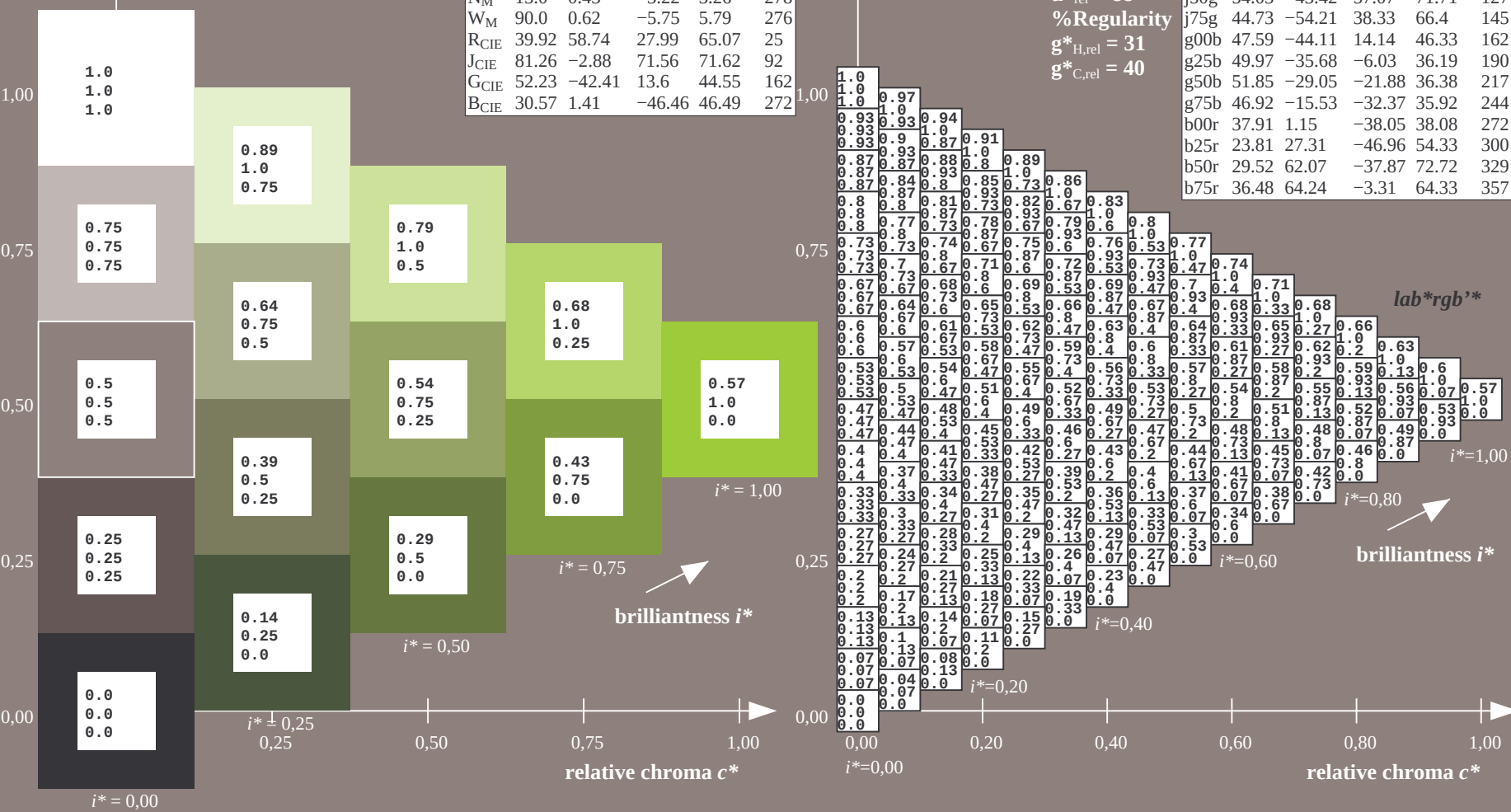
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

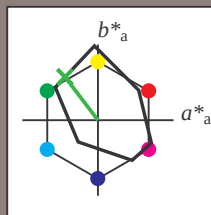
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

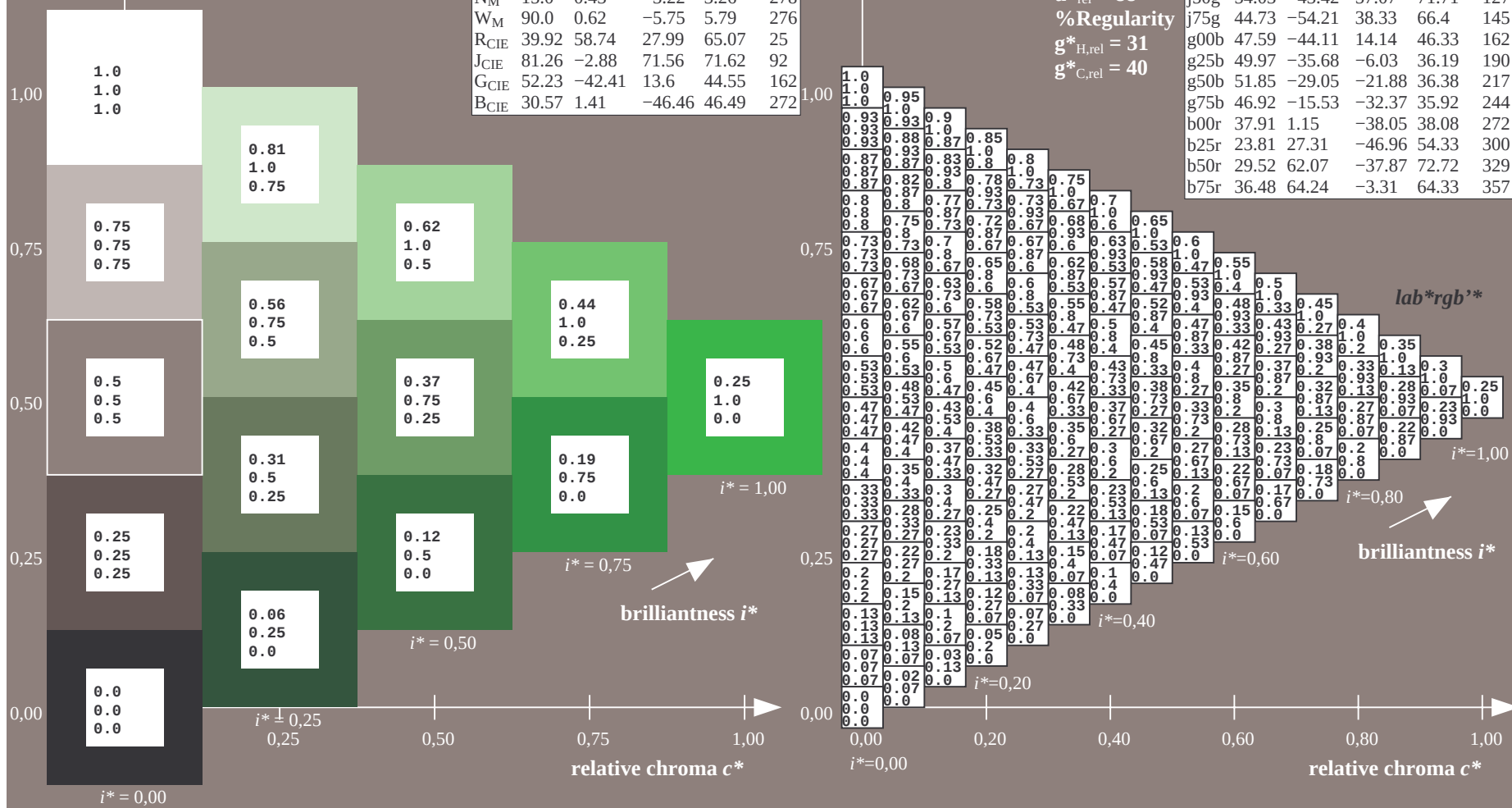
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

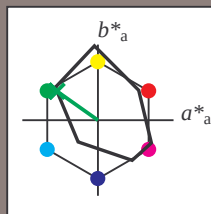
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

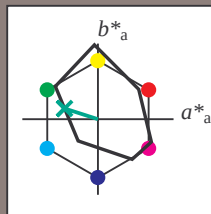
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

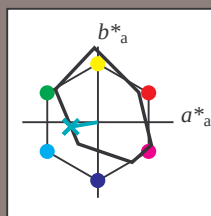
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

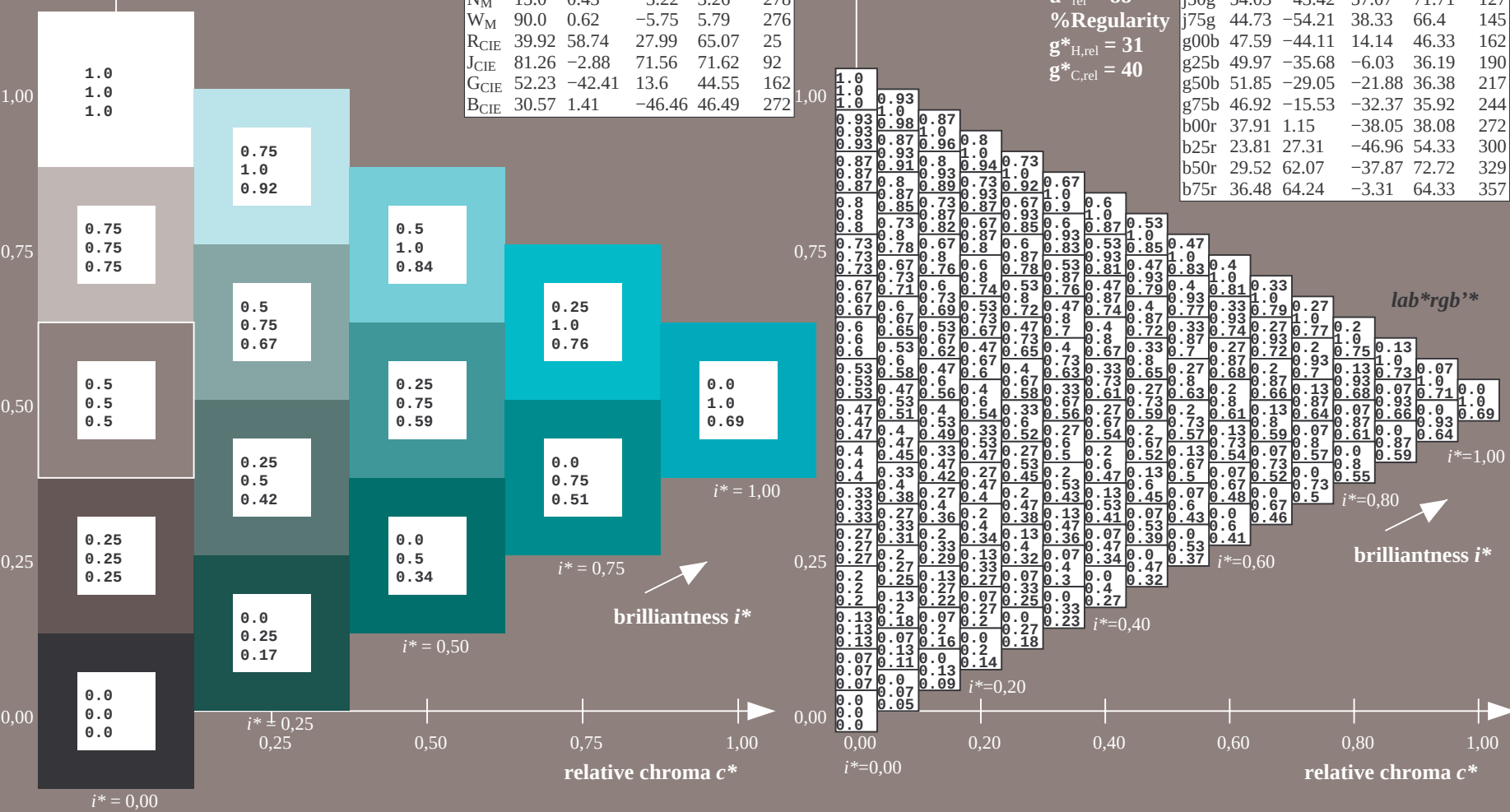
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

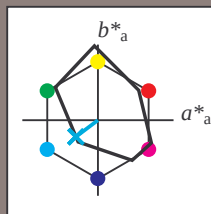
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

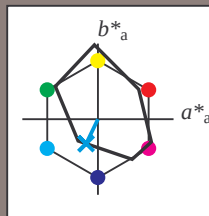
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

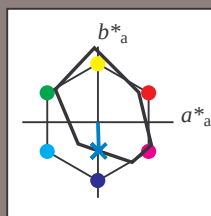
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -37

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

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

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

triangle lightness t^*

%Gamut

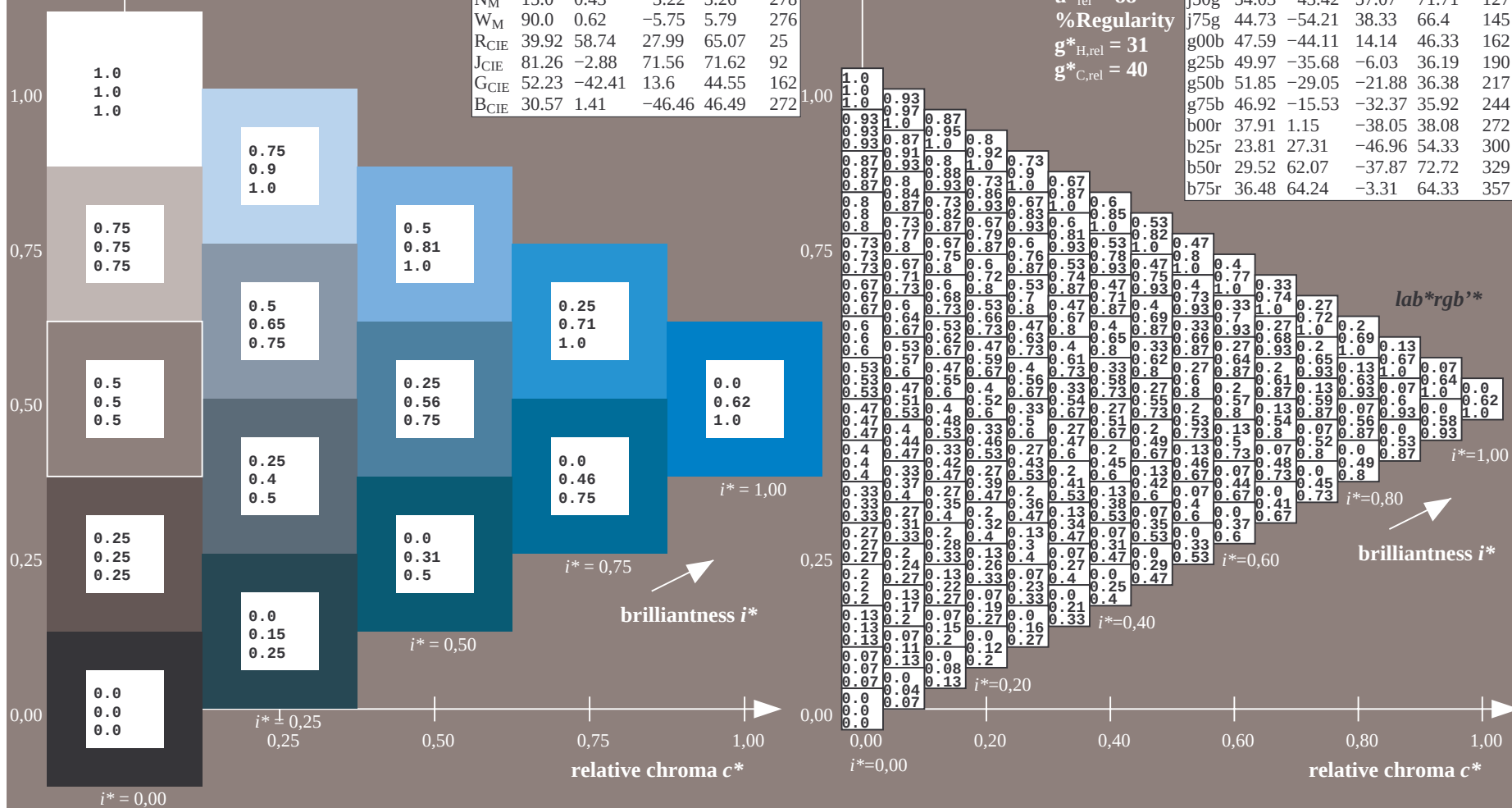
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

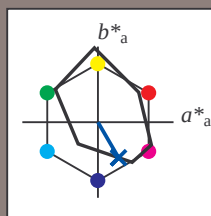
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

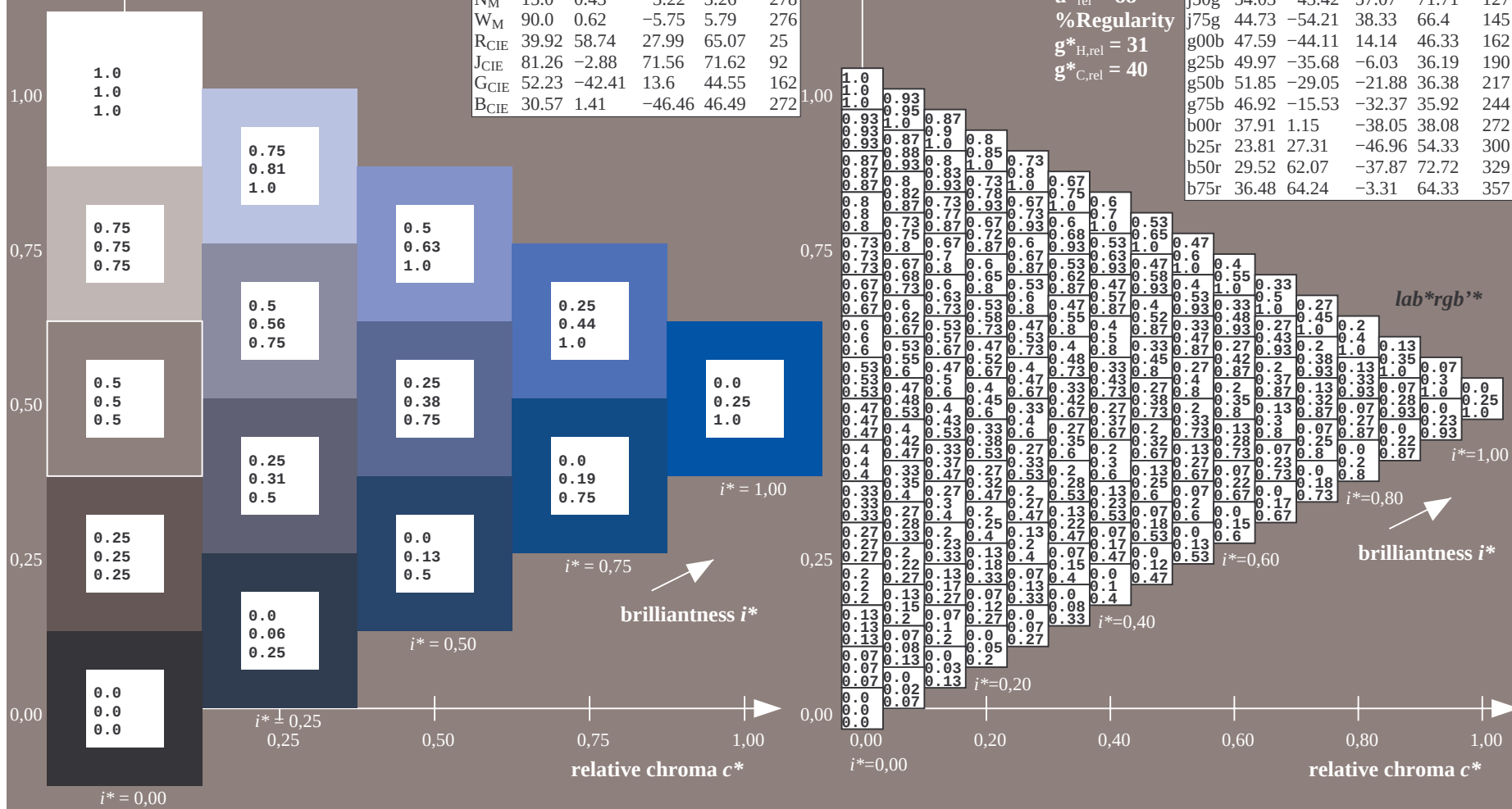
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

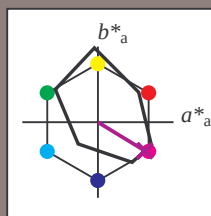
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

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

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

triangle lightness t^*

%Gamut

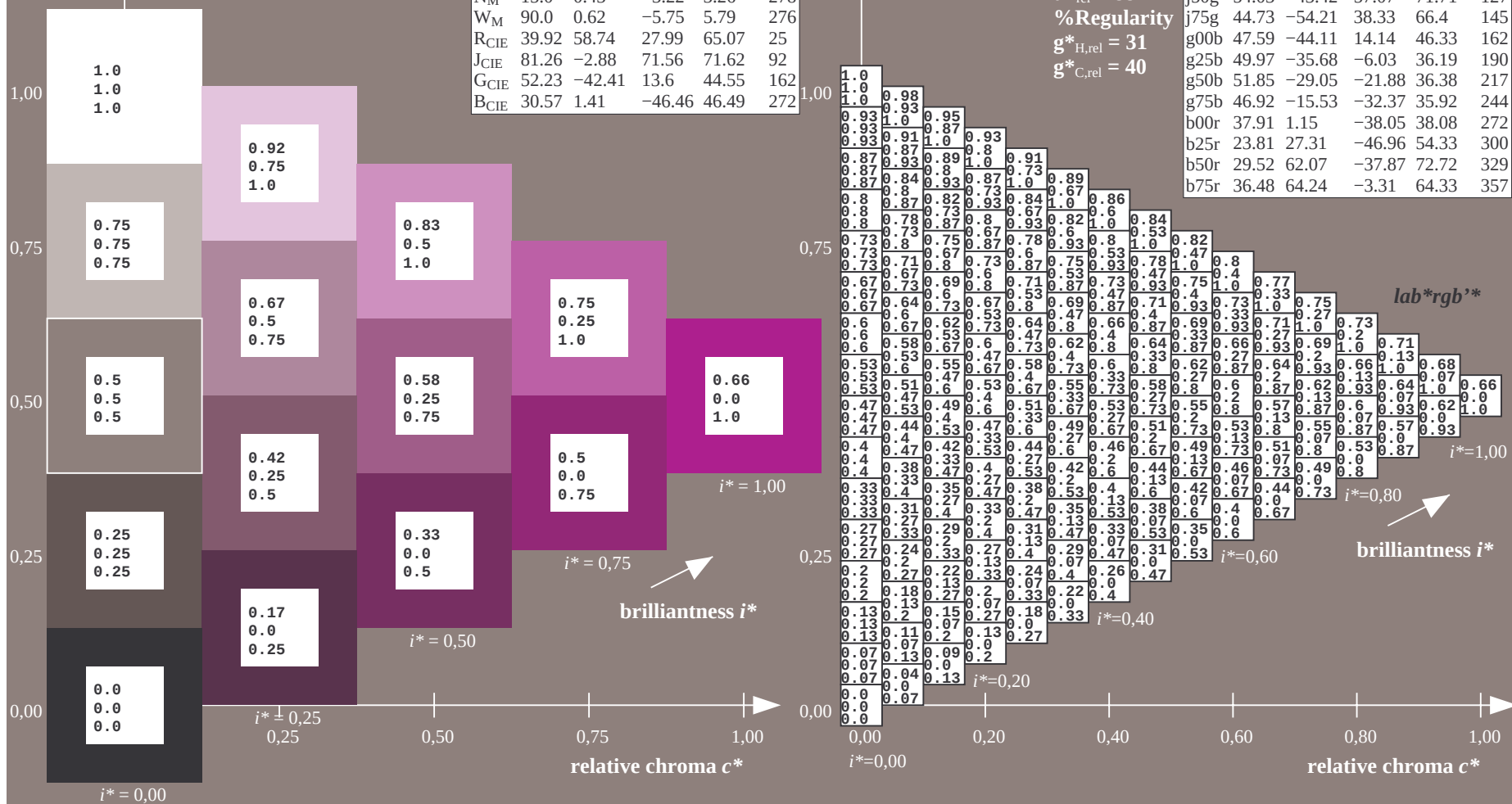
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

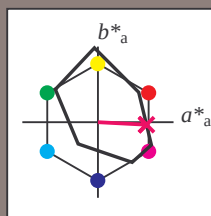
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

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

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

triangle lightness t^*

%Gamut

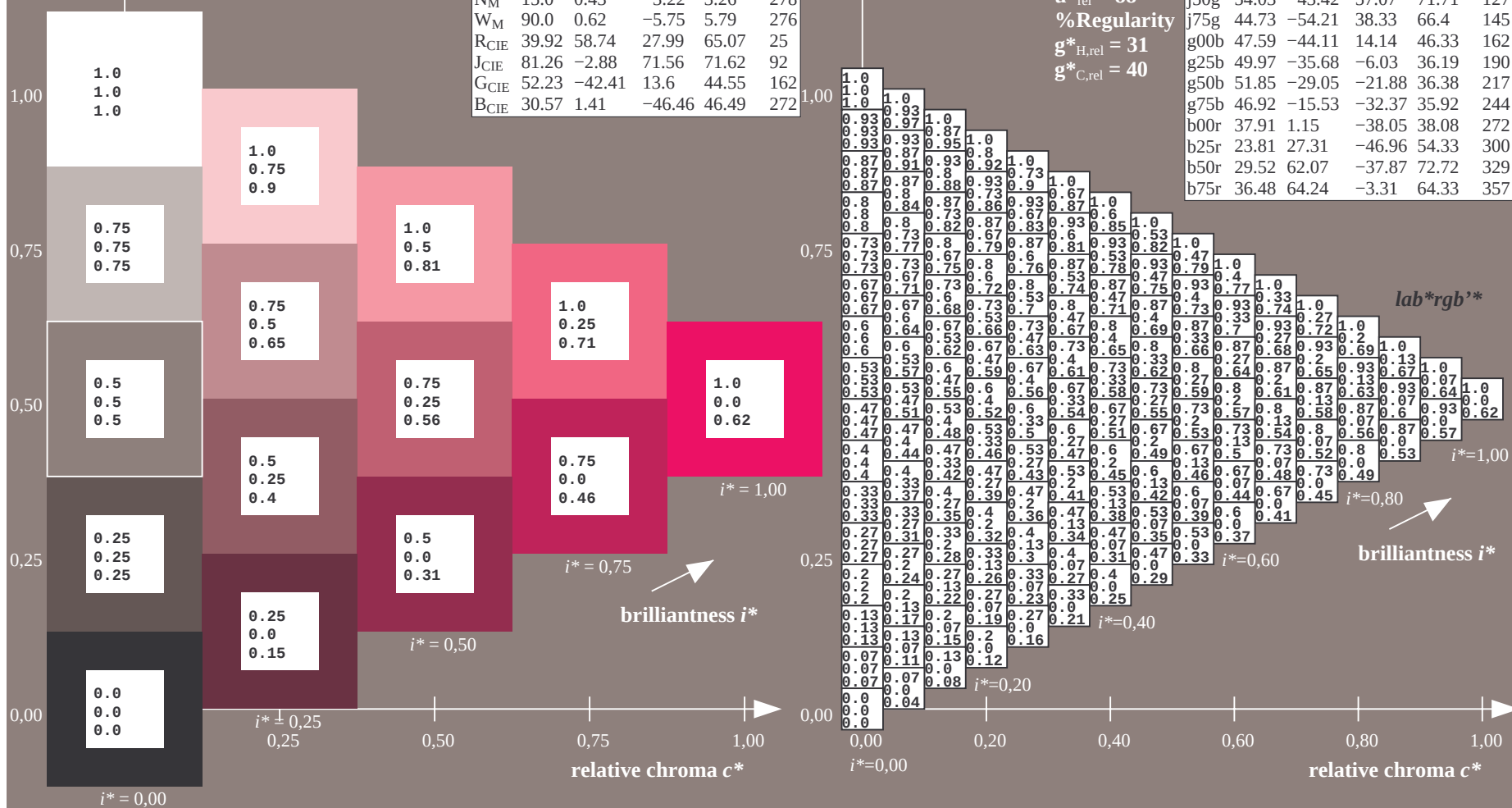
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



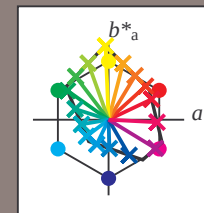
See for similar files: <http://www.ps.bam.de/De93/>; www.ps.bam.de/De93/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

BAM registration: 20080701-De93/10L/L93E00NA.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*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	0.13	0.25	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					
	0.0	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			
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
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			
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	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	
	0.0	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	0.25	0.25	
03	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			
	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	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
	0.0	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
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			
	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	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	
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	0.25	0.25	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	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			
	0.5	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	0.5	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		
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	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			
	0.63	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	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	
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	0.25	0.25	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	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			
	0.75	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	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	
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	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			
	0.88	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	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	
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	0.25	0.25	0.25
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0			
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.5	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.638																

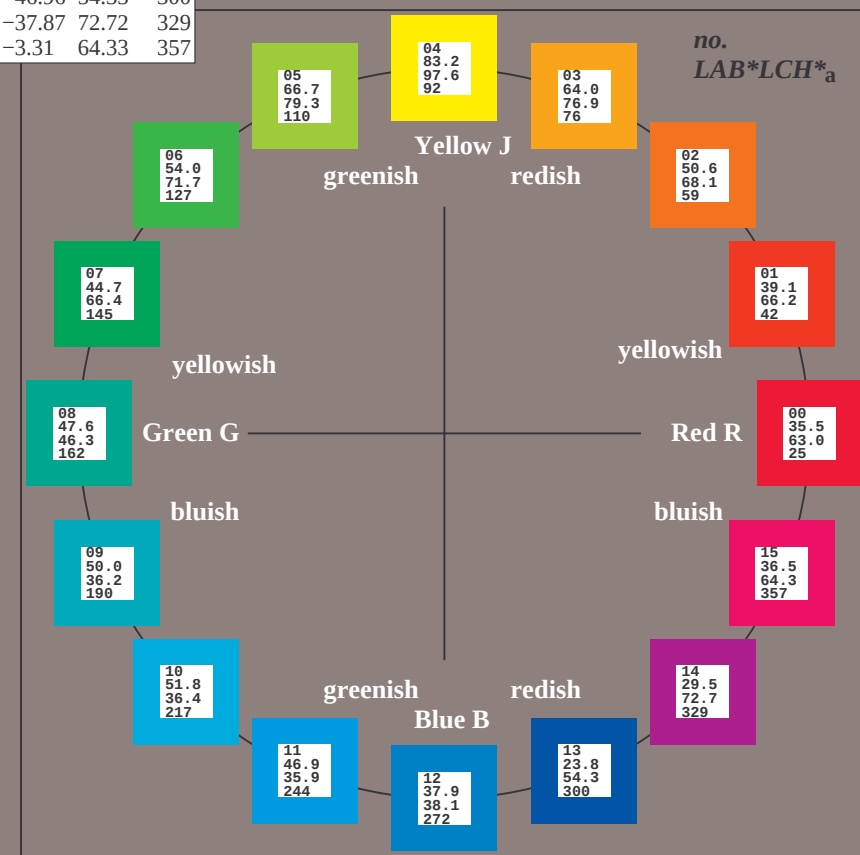
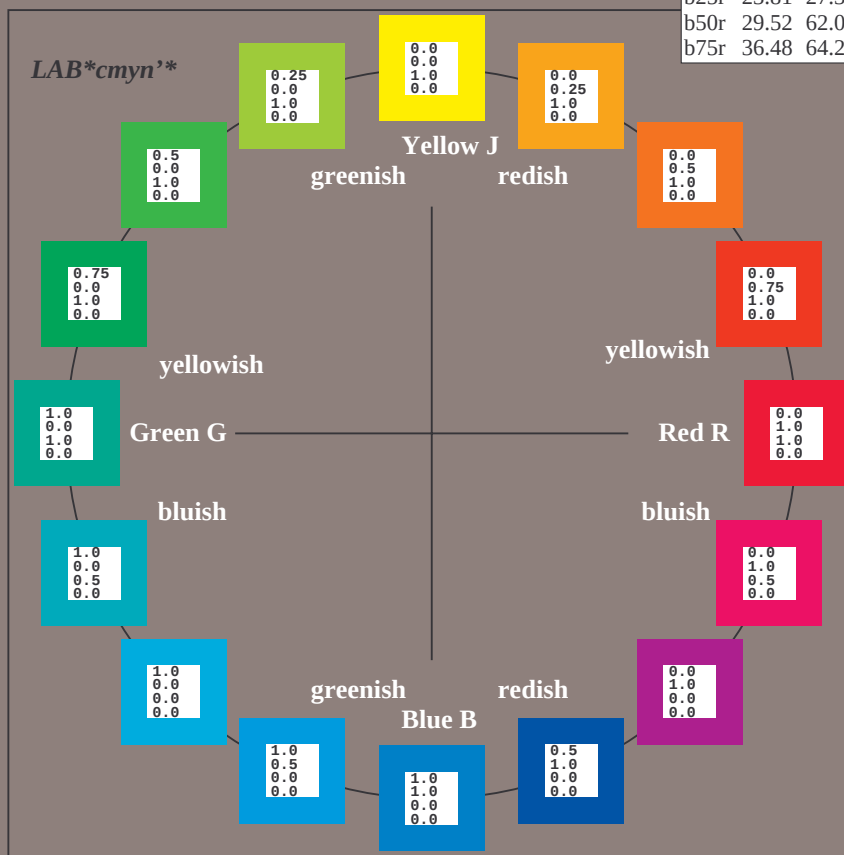
Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:
*lab***ch*** and lab***icu****
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



%Gamut
 $u^*_{rel} = 88$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS15_90aM; CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

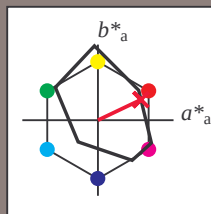
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 57 27

$LAB^*LCH^*_{Ma}$: 35 63 25

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

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

triangle lightness t^*

%Gamut

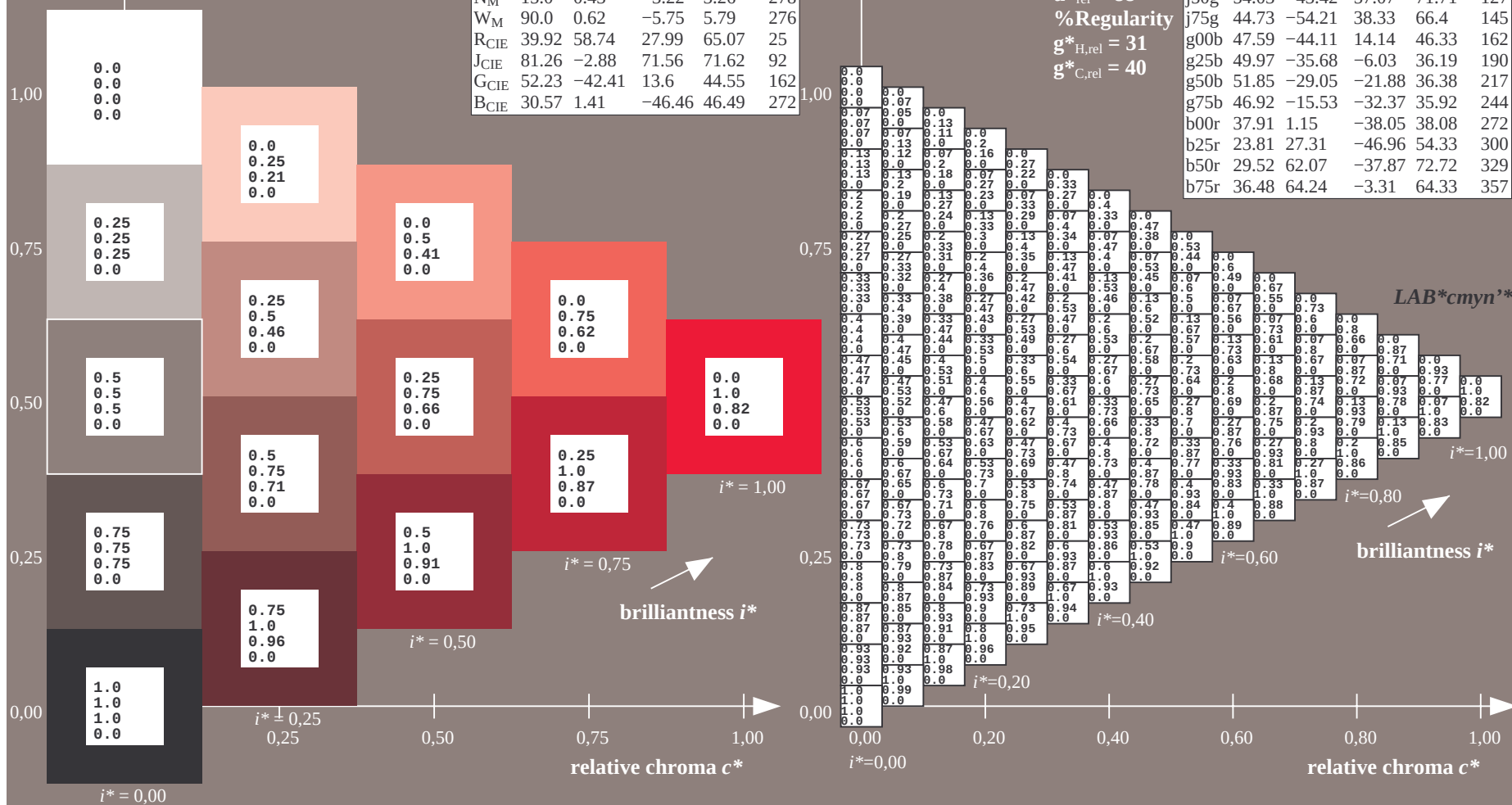
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

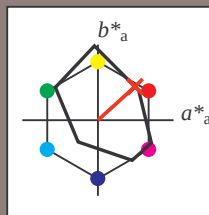
elementary hue text:

$$u^* = r25j$$

contrast reduction factor:

 $c_p = 0.9$ triangle lightness t^*

triangle rightness &



FRS15_90aM; CIELAB data					
	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	143
C _M	52.66	-25.66	-33.24	42.01	233
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	270
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	167
B _{CIE}	30.57	1.41	-46.46	46.49	273

Data for maximum colour (Ma):

LAB*LAB*ME: 39 49 44

LAB LAB	Ma.	55	45	44
LAB*LGH*		39	66	45

LAB*LCH*Ma: 39 66 42

lab*rgb*Ma: 1.0 0.25 0.0

lab*olv*_Ma: 1.0 0.08 0.0

triangle lightness t^*

triangle rightness t

%Gamut

$$\mathbf{u}_{rel}^* = 88$$

%Regularity

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

FRS15_90aM; adapted (a) CIELAB data						
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
r00j	35.47	56.92	27.12	63.05	25	
r25j	39.12	49.04	44.45	66.19	42	
r50j	50.64	35.19	58.33	68.13	59	
r75j	64.01	19.11	74.45	76.87	76	
j00g	83.18	-3.93	97.56	97.64	92	
j25g	66.73	-26.86	74.66	79.35	110	
j50g	54.03	-43.42	57.07	71.71	127	
j75g	44.73	-54.21	38.33	66.4	145	
g00b	47.59	-44.11	14.14	46.33	162	
g25b	49.97	-35.68	-6.03	36.19	190	
g50b	51.85	-29.05	-21.88	36.38	217	
g75b	46.92	-15.53	-32.37	35.92	244	
b00r	37.91	1.15	-38.05	38.08	272	
b25r	23.81	27.31	-46.96	54.33	300	
b50r	29.52	62.07	-37.87	72.72	329	
b75r	36.48	64.24	-3.31	64.33	357	

*LAB*cmvn'**

$$i^*=1,00$$
brilliantness *i**brilliantness *j**relative chroma c^* $i^*=0,00$

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

```
output: ->cmvn5* setcmvcolor
```

BAM-test chart De93: Colorimetric systems. Page 165/180

colour scales and 8 data tables for 16 hues *r00j* to *b75r*

BAM registration: 20080701-De9310L/L93E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/De93/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

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

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

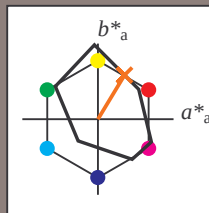
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 35 58

$LAB^*LCH^*_{Ma}$: 51 68 59

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

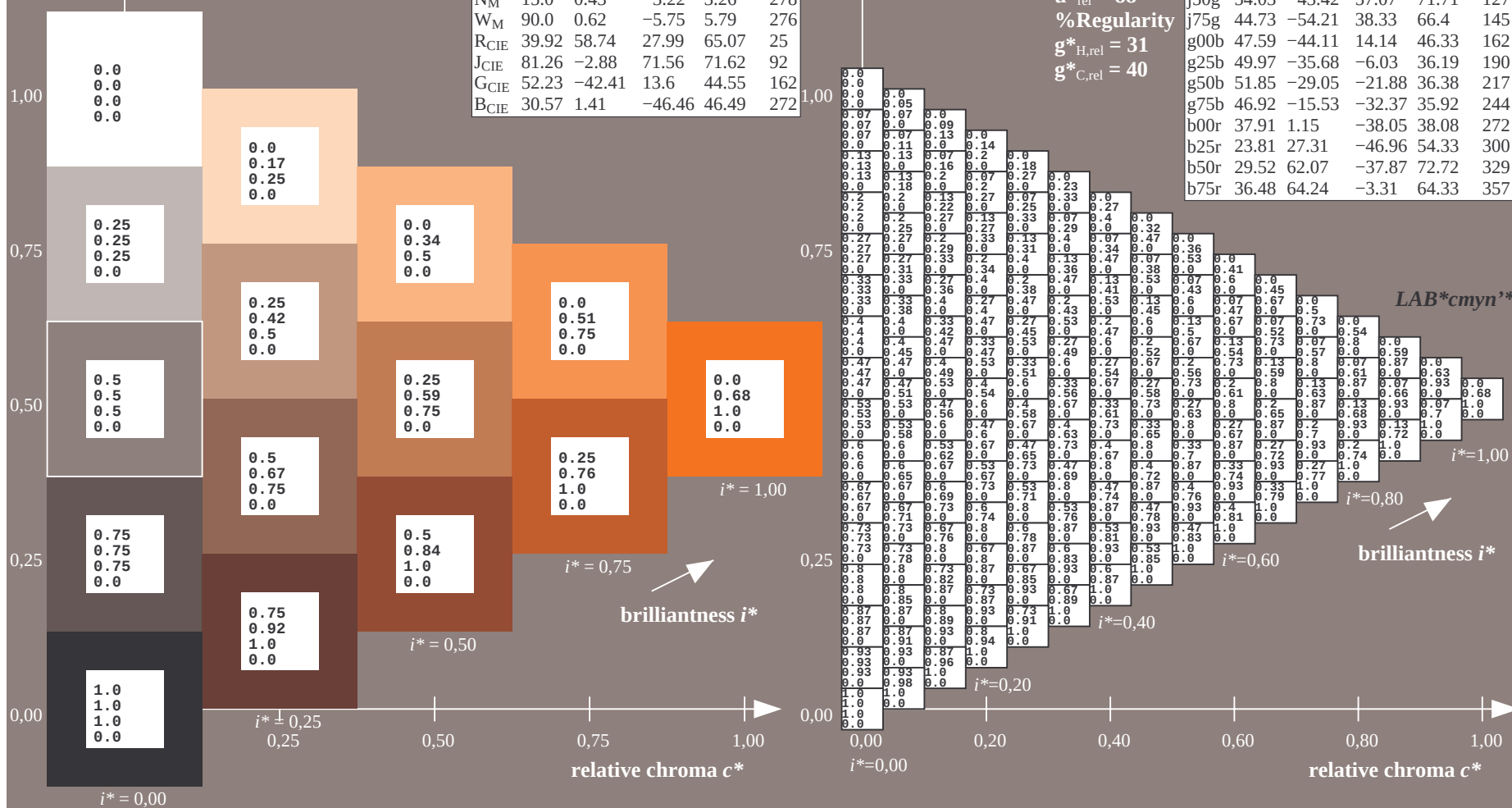
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

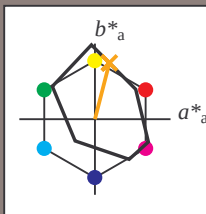
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 19 74

$LAB^*LCH^*_{Ma}$: 64 77 76

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

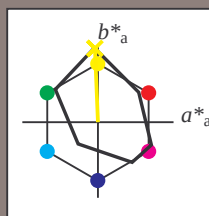
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 98

$LAB^*LCH^*_{Ma}$: 83 98 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

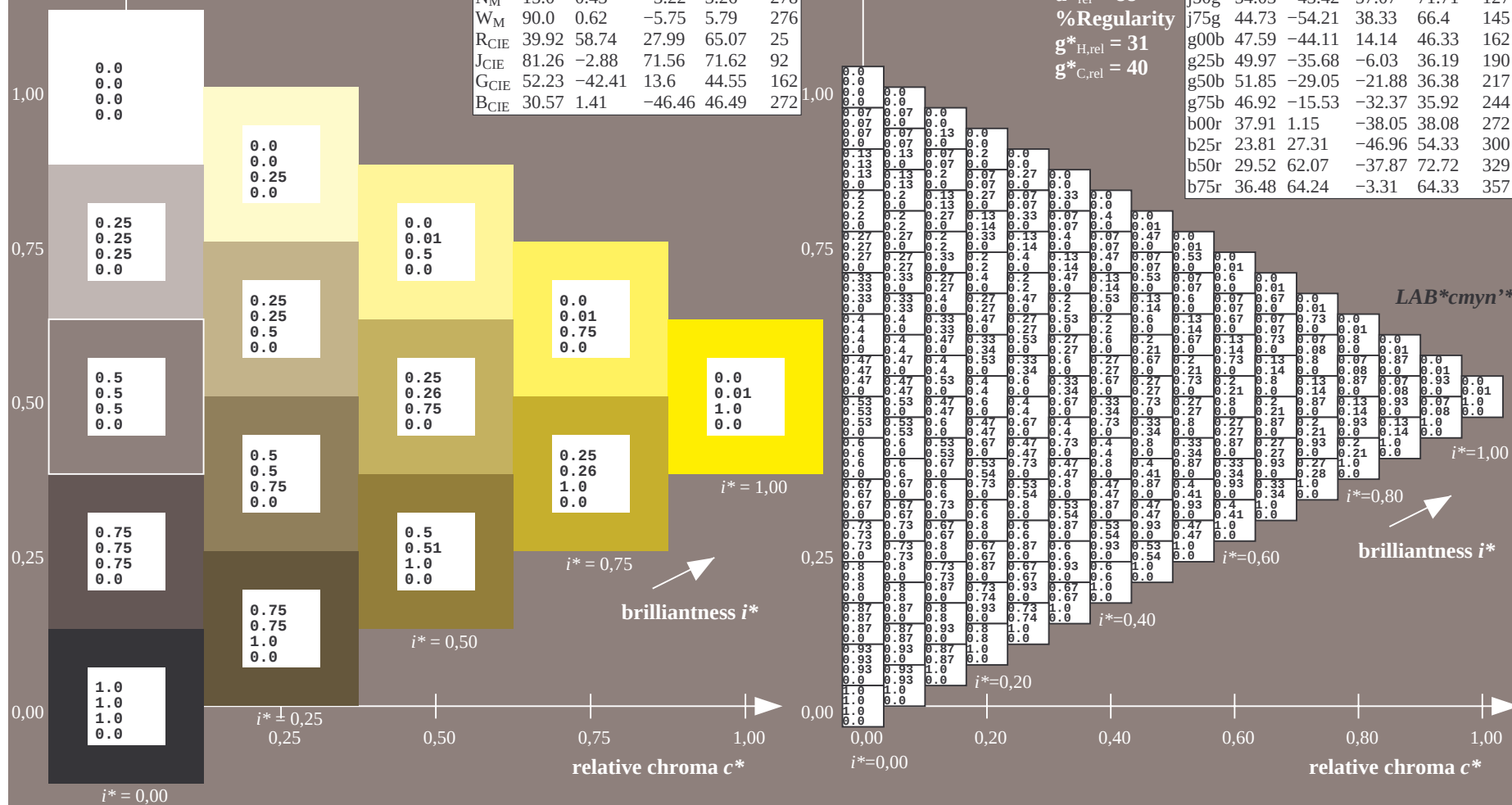
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

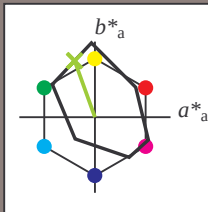
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -26 75

$LAB^*LCH^*_{Ma}$: 67 79 110

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

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

triangle lightness t^*

%Gamut

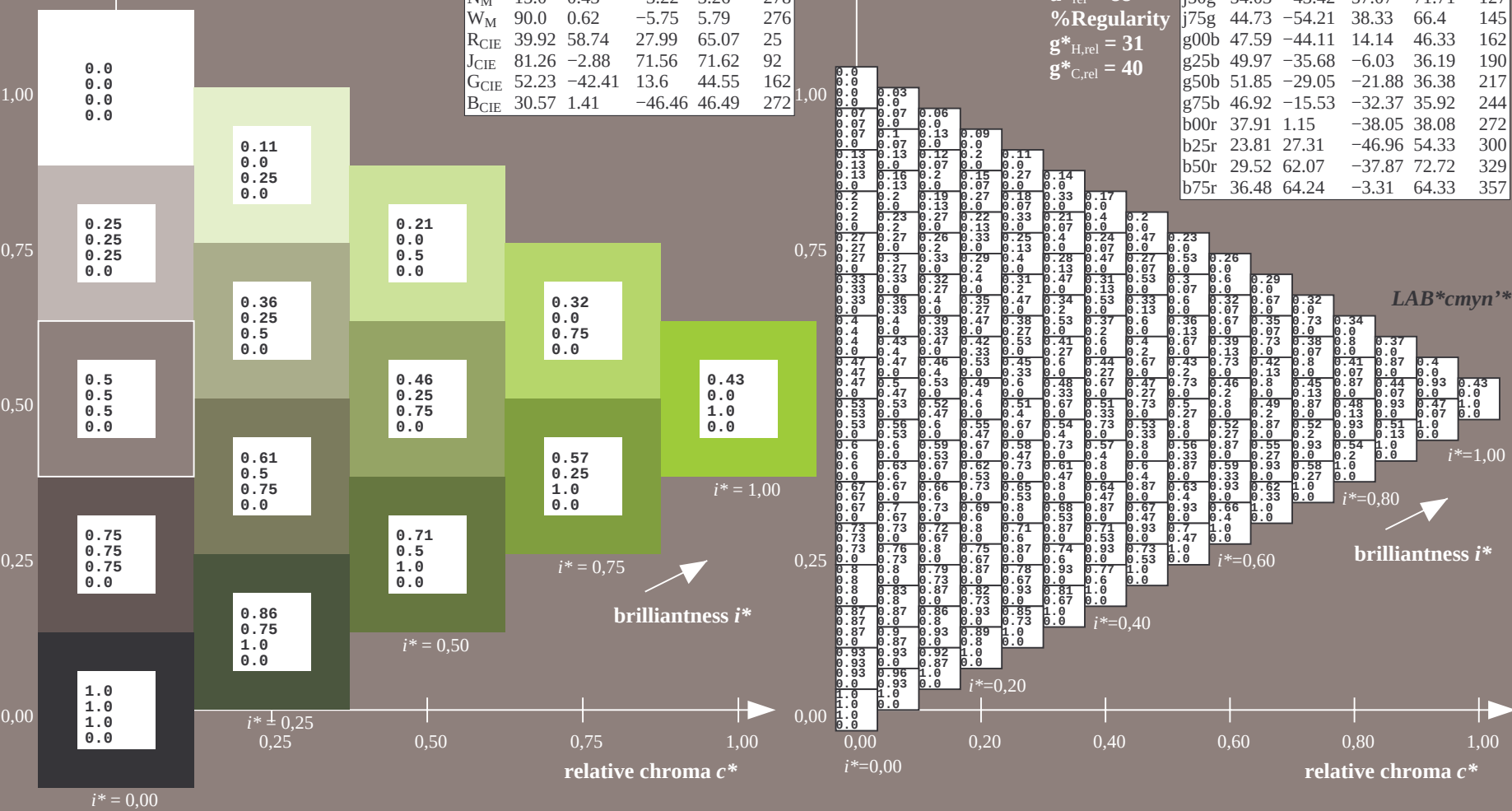
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

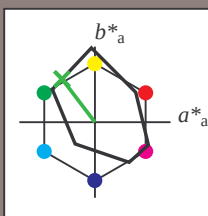
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -42 57

$LAB^*LCH^*_{Ma}$: 54 72 127

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

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

triangle lightness t^*

%Gamut

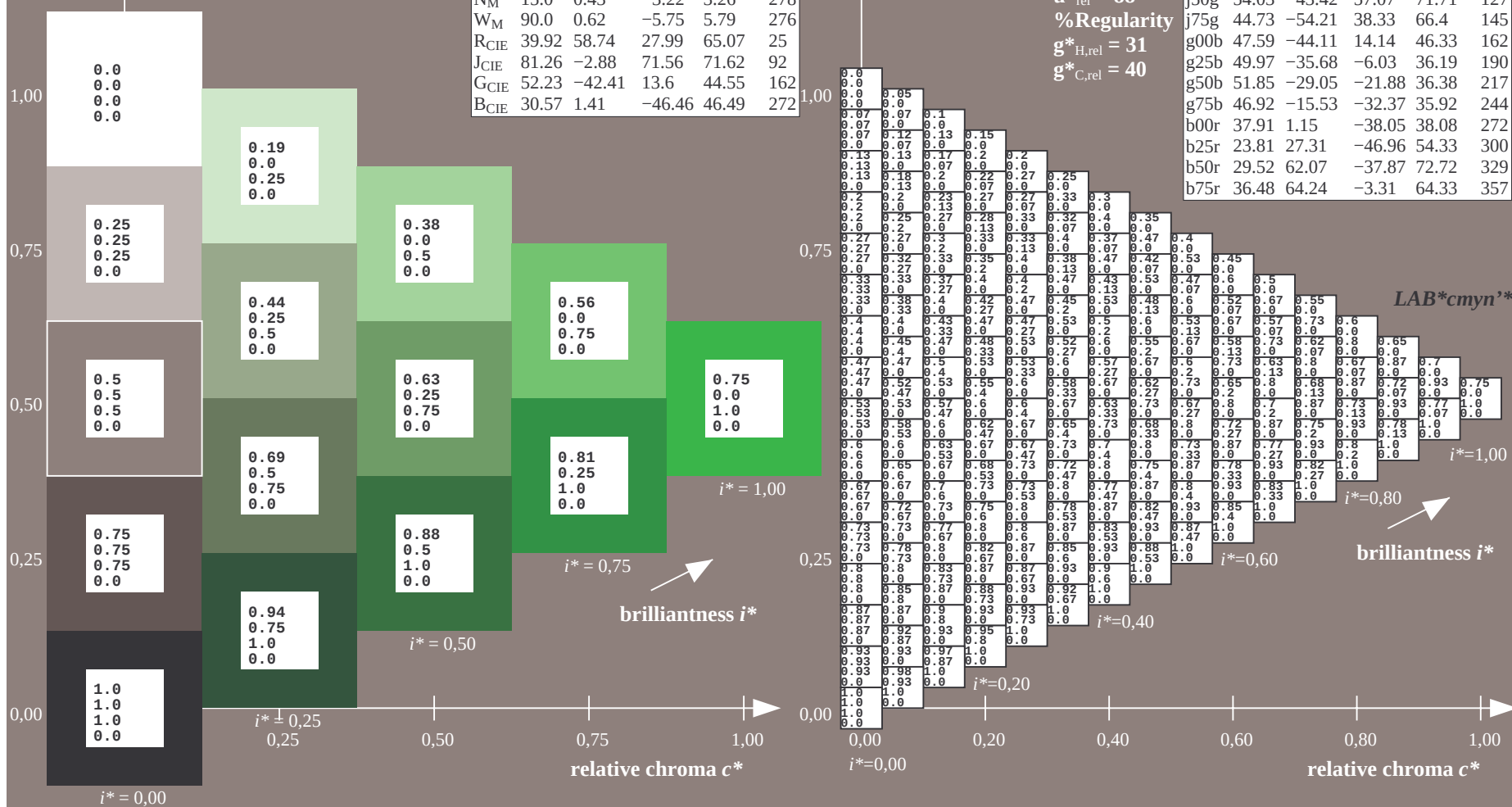
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

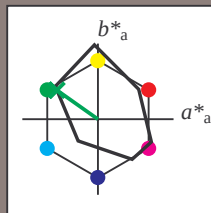
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -53 38

$LAB^*LCH^*_{Ma}$: 45 66 145

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

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

triangle lightness t^*

%Gamut

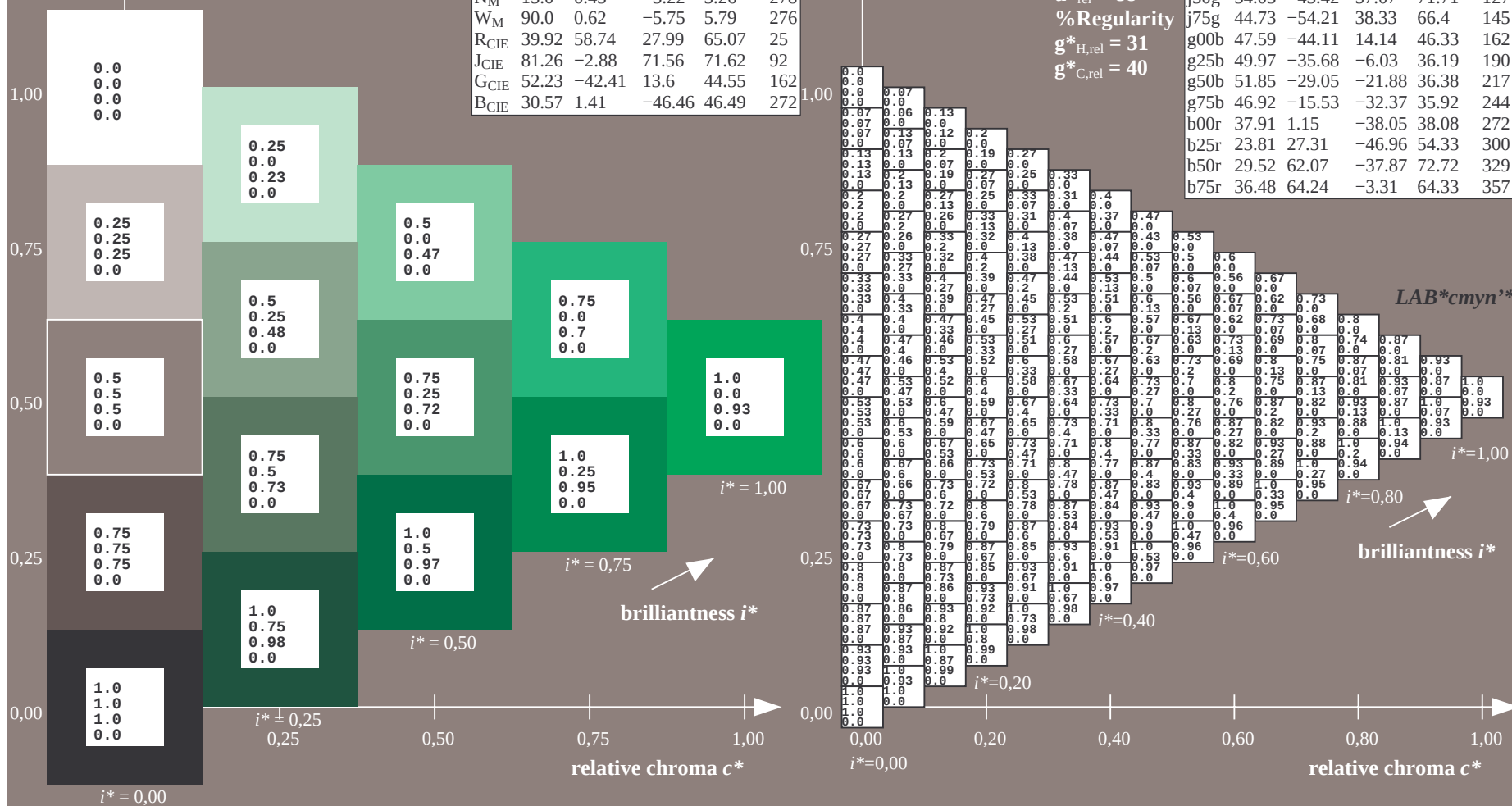
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

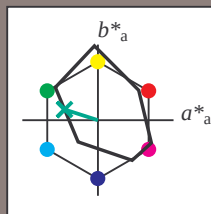
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -43 14

$LAB^*LCH^*_{Ma}$: 48 46 162

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

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

triangle lightness t^*

%Gamut

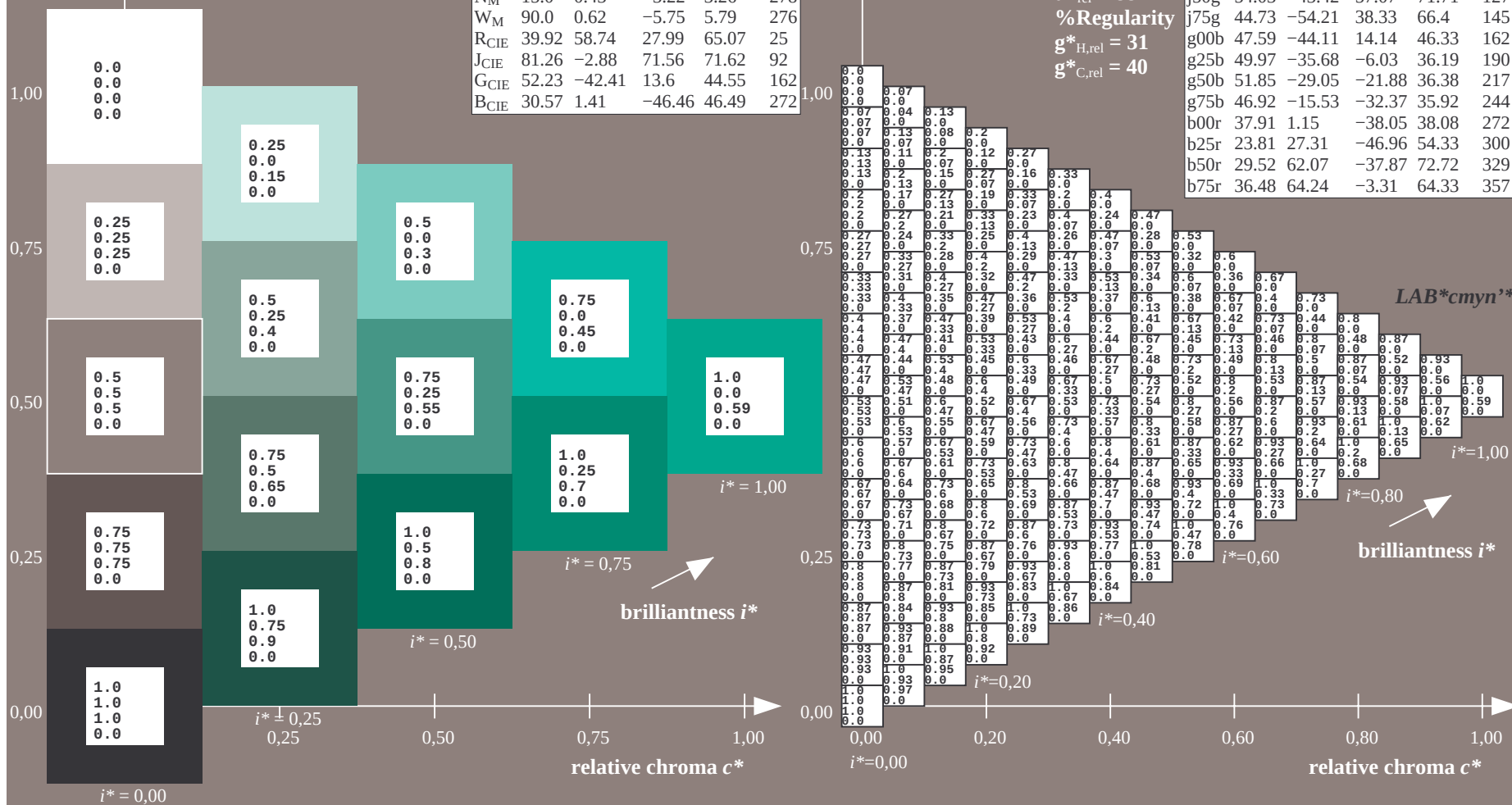
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

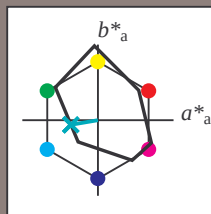
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -35 -5

$LAB^*LCH^*_{Ma}$: 50 36 190

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

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

triangle lightness t^*

%Gamut

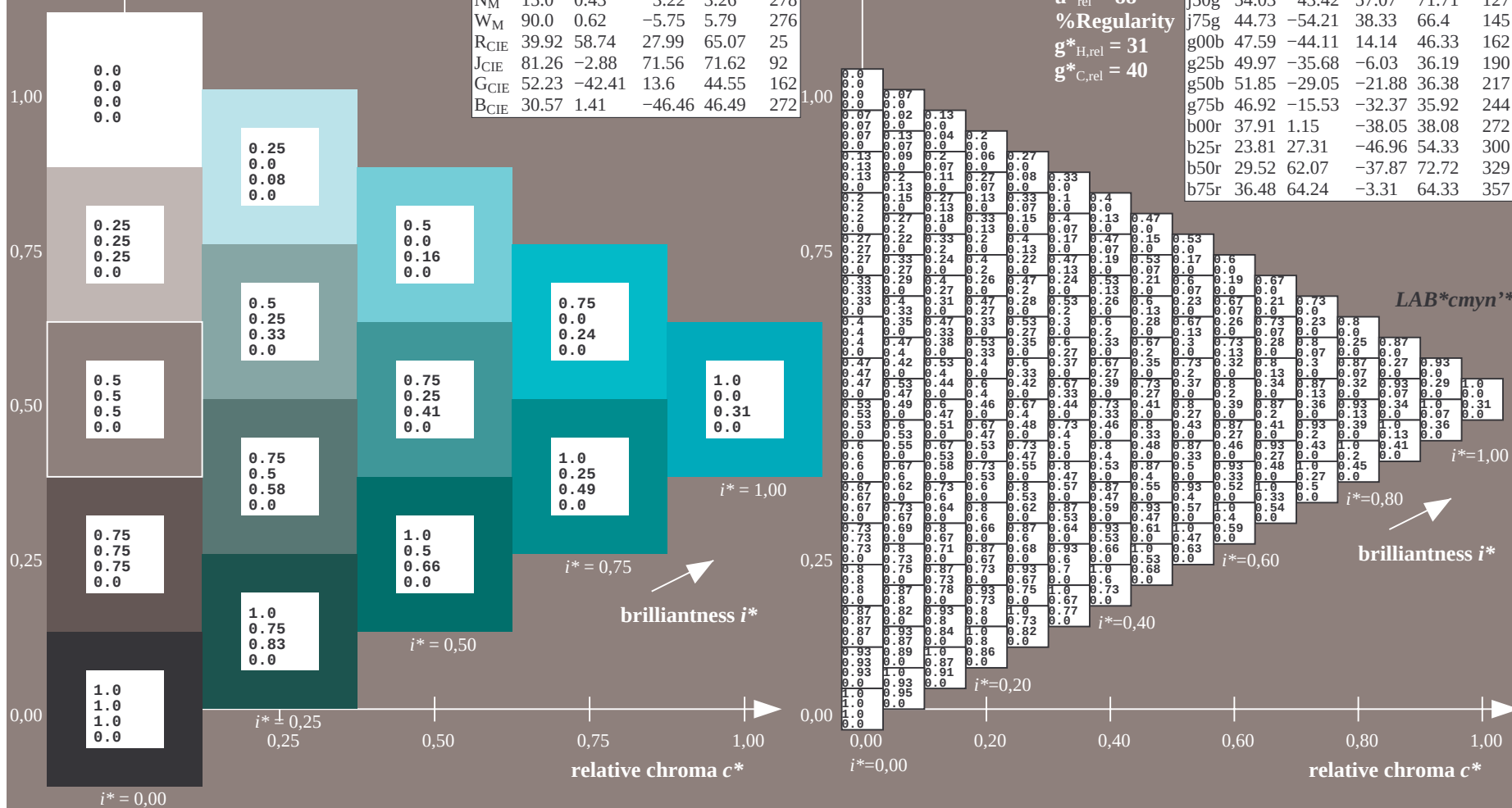
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

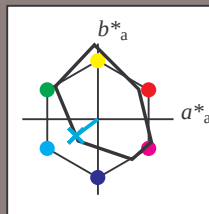
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -28 -21

$LAB^*LCH^*_{Ma}$: 52 36 217

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

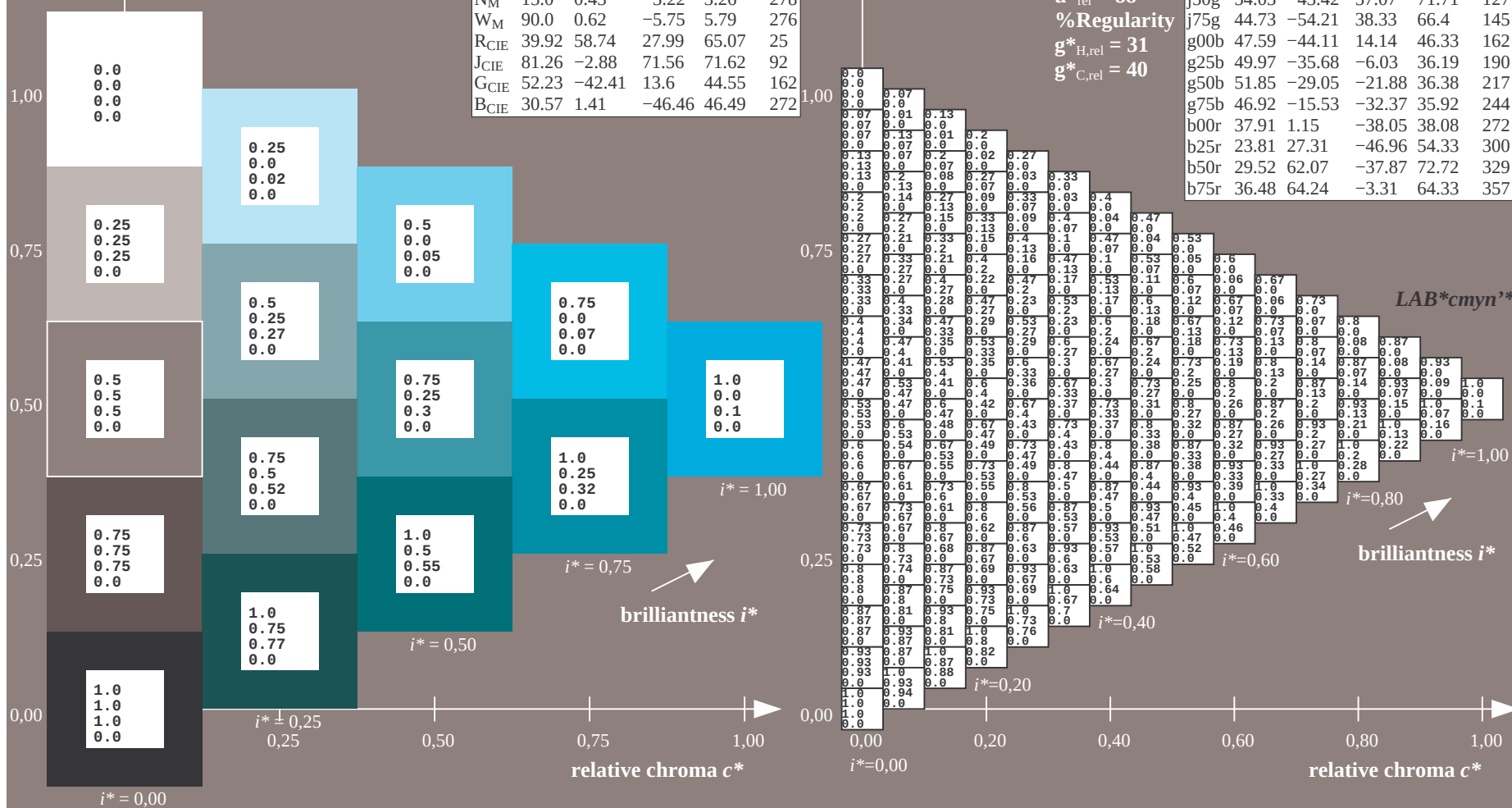
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

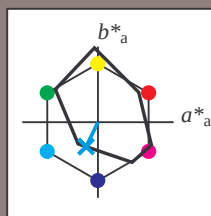
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 -15 -31

$LAB^*LCH^*_{Ma}$: 47 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357

LAB^*cmyn^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

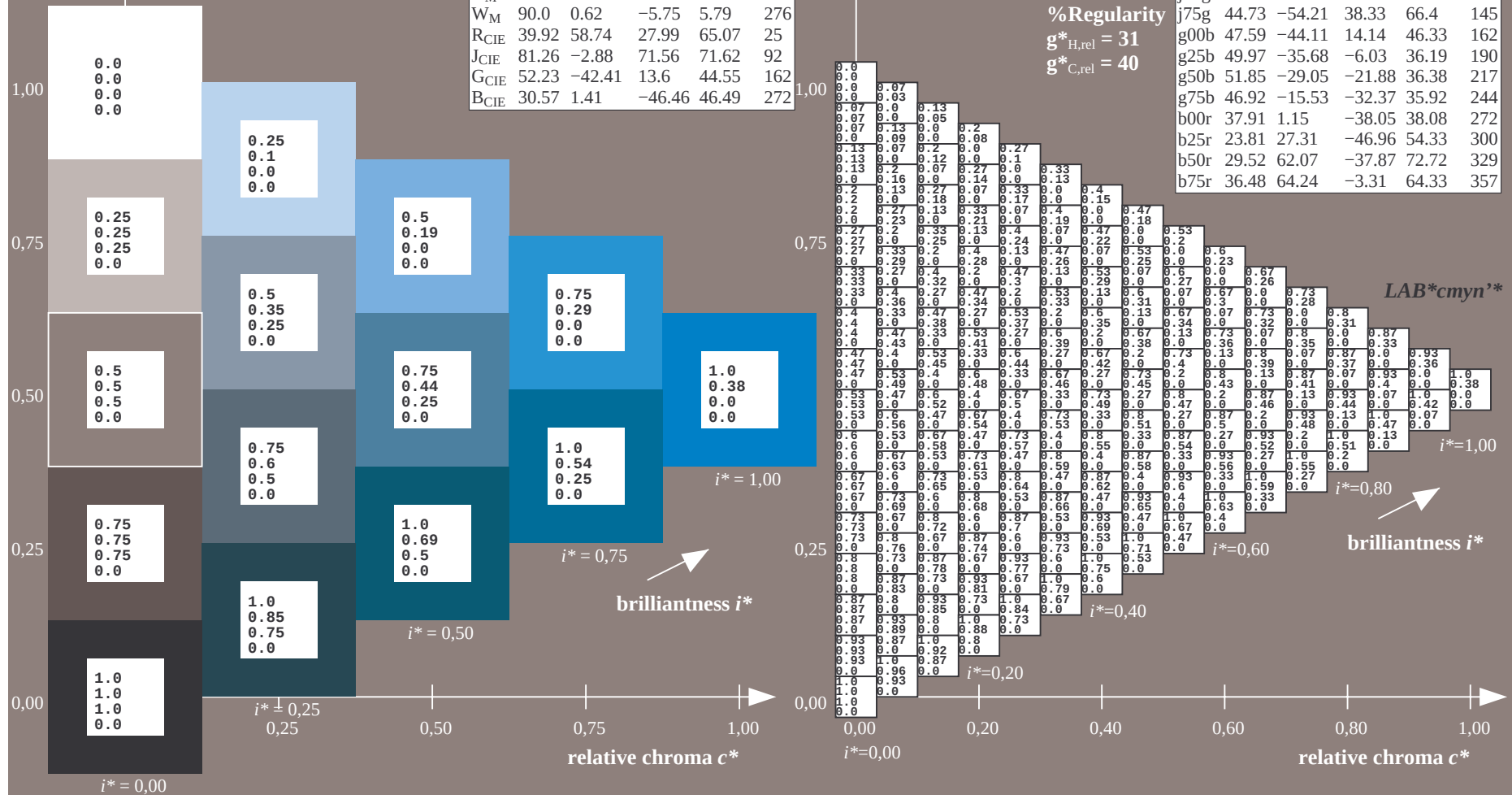
$i^*=0.00$

relative chroma c^*

relative chroma c^*

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

r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
yj75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



BAM-test chart De93; Colorimetric systems, Page 176/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

BAM registration: 20080701-De93/10L/L93E00NA.PS/.TXT BAM material: code=rh4t4a
- application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/De93>; 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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

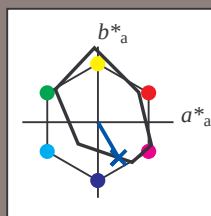
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 27 -46

$LAB^*LCH^*_{Ma}$: 24 54 300

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

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

triangle lightness t^*

%Gamut

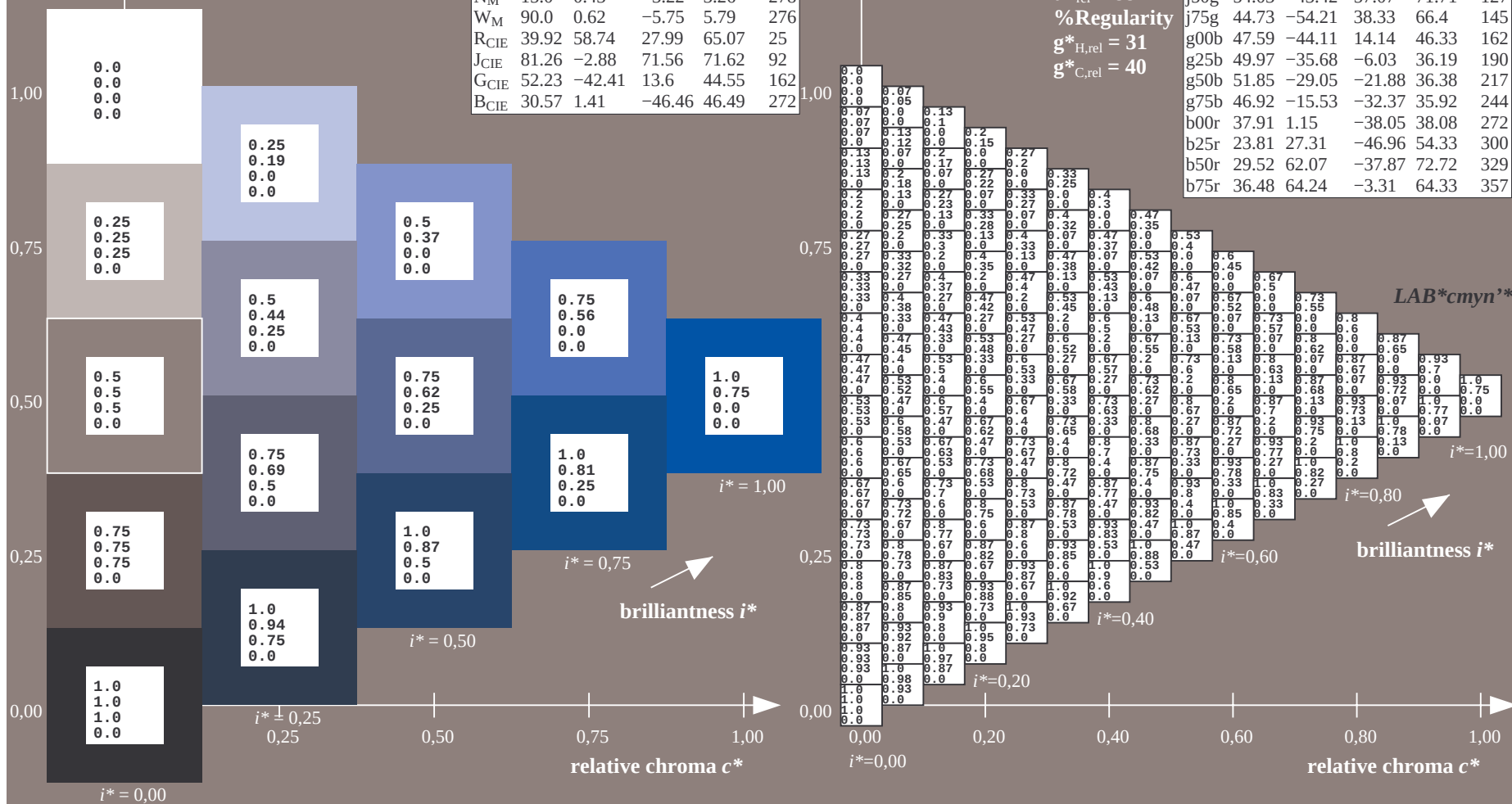
$u^*_{rel} = 88$

%Regularity

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

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

lab^*tch^* and lab^*icu^*

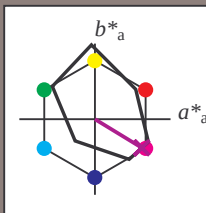
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 62 -37

$LAB^*LCH^*_{Ma}$: 30 73 329

$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.66 0.0 1.0

triangle lightness t^*

%Gamut

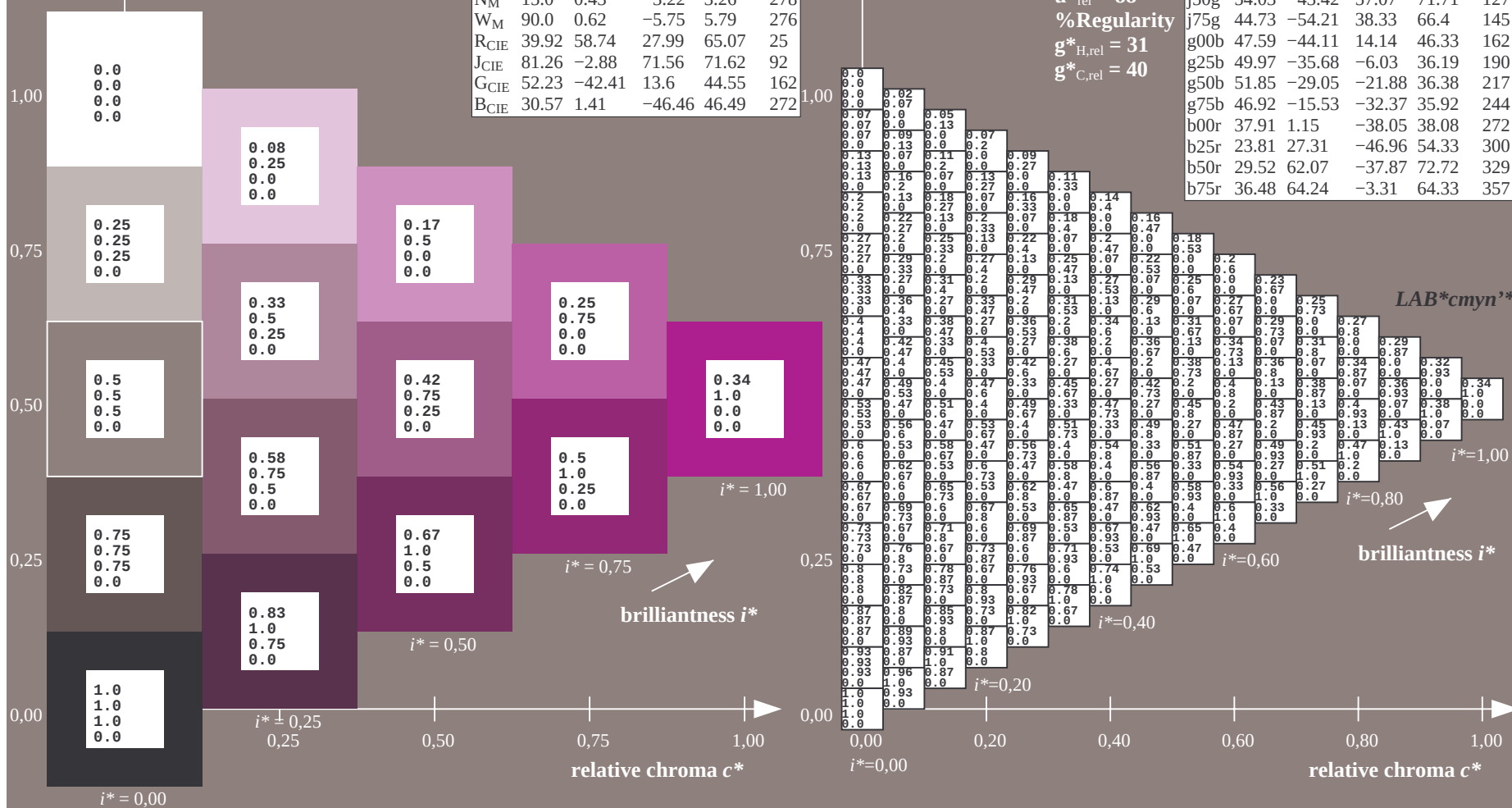
$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

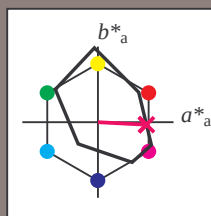
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	54.41	35.65	65.05	33
Y _M	83.77	-4.03	92.72	92.8	92
L _M	44.13	-55.82	39.15	68.19	145
C _M	52.66	-25.66	-33.24	42.01	232
V _M	14.15	45.64	-56.26	72.45	309
M _M	37.37	71.17	-34.08	78.92	334
N _M	15.0	0.43	-3.22	3.26	278
W _M	90.0	0.62	-5.75	5.79	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 64 -2

$LAB^*LCH^*_{Ma}$: 36 64 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.62

triangle lightness t^*

%Gamut

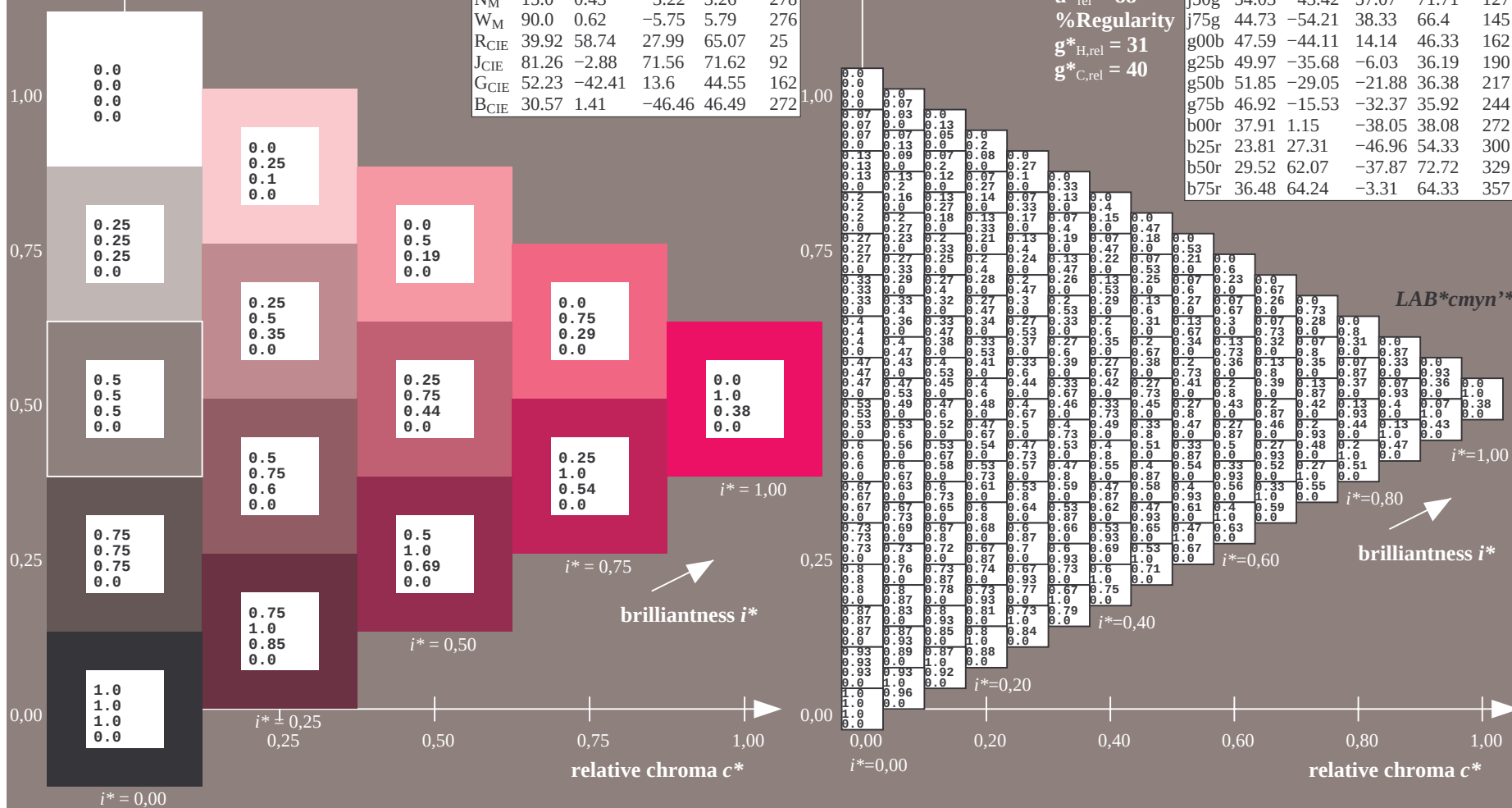
$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	56.92	27.12	63.05	25
r25j	39.12	49.04	44.45	66.19	42
r50j	50.64	35.19	58.33	68.13	59
r75j	64.01	19.11	74.45	76.87	76
j00g	83.18	-3.93	97.56	97.64	92
j25g	66.73	-26.86	74.66	79.35	110
j50g	54.03	-43.42	57.07	71.71	127
j75g	44.73	-54.21	38.33	66.4	145
g00b	47.59	-44.11	14.14	46.33	162
g25b	49.97	-35.68	-6.03	36.19	190
g50b	51.85	-29.05	-21.88	36.38	217
g75b	46.92	-15.53	-32.37	35.92	244
b00r	37.91	1.15	-38.05	38.08	272
b25r	23.81	27.31	-46.96	54.33	300
b50r	29.52	62.07	-37.87	72.72	329
b75r	36.48	64.24	-3.31	64.33	357



BAM registration: 20080701-De93/10L/L93E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

[illegible]

BAM-test chart De93; 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/De93/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0