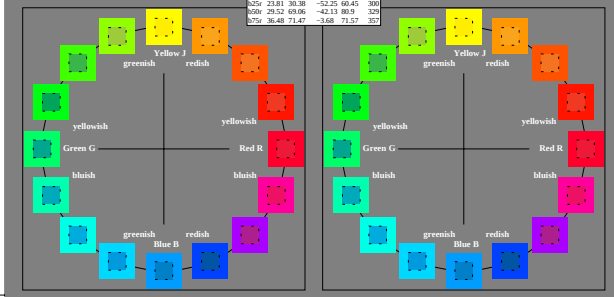
Input and output: Colorimetric Printer Reflective System FRS09_92aM data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = 16$ hues *r00j, r25j, ..., b75r*
contrast reduction factor: $c_R = 1.0$

FRS09_92aM; adapted (a) CIELAB data

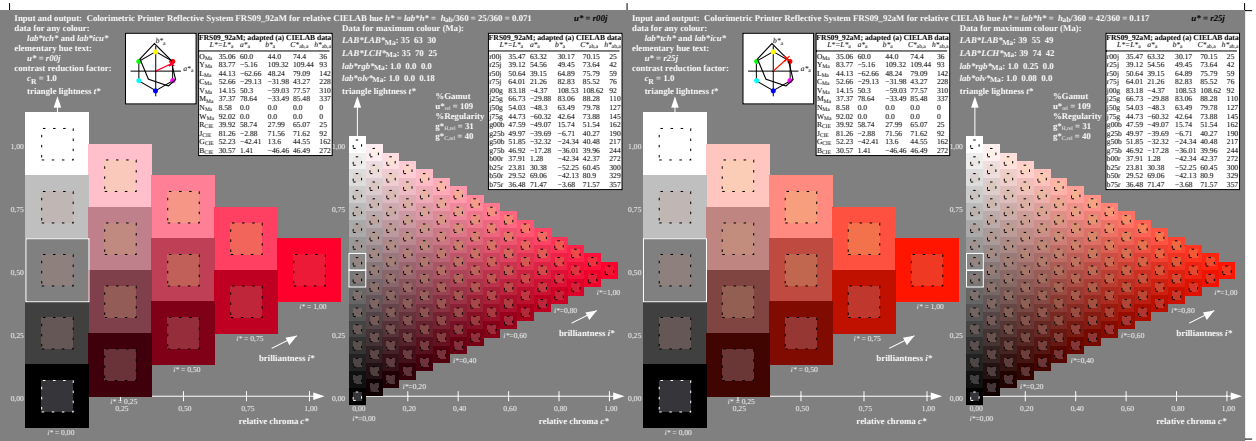
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.47	63.32	30.17	70.15	25
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
y00j	83.18	−4.37	108.53	108.62	92
y25j	66.73	−29.88	83.06	88.28	110
y50j	54.03	−48.3	63.49	79.78	127
y75j	44.73	−60.32	42.64	73.88	145
g00j	47.59	−49.07	15.74	51.54	162
g25j	49.97	−39.69	−6.71	40.27	190
g50j	51.85	−32.32	−24.34	40.48	217
g75j	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357



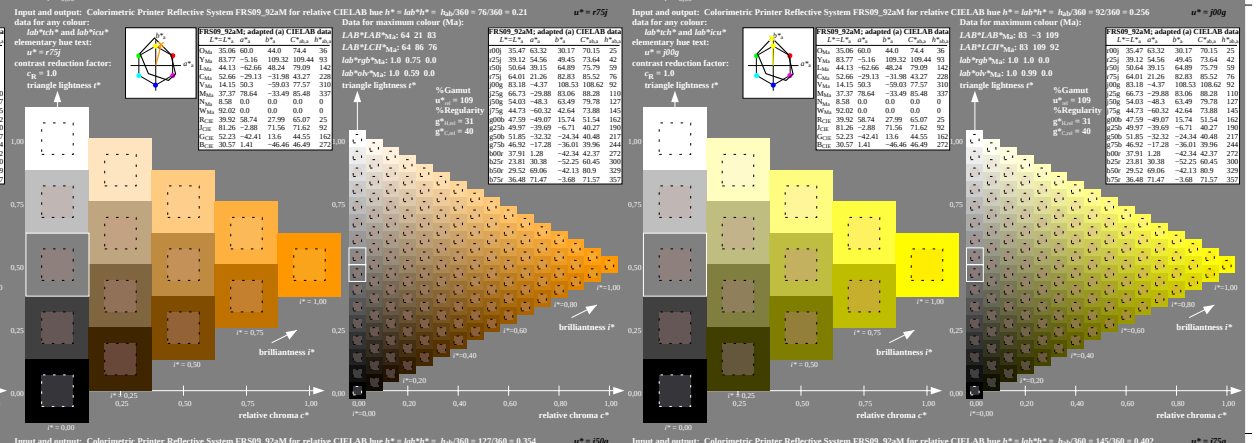
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ $u^* = r00j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r00j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 63 30
$LAB^*LCH^*_{Ma}$: 35 70 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*ob^*_{Ma}$: 1.0 0.0 0.18



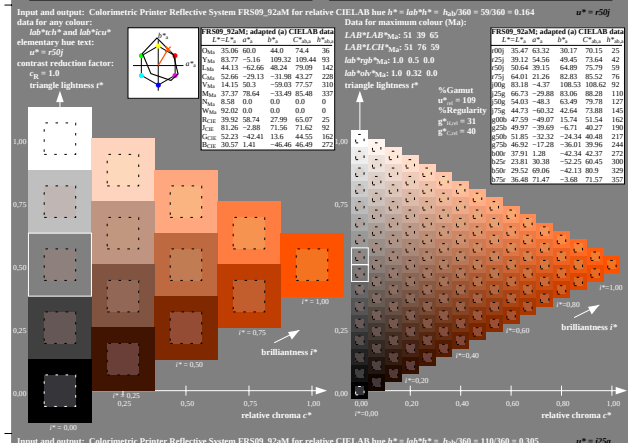
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ $u^* = r25j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r25j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 55 49
$LAB^*LCH^*_{Ma}$: 39 74 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*ob^*_{Ma}$: 1.0 0.08 0.0



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ $u^* = r50j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r50j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 51 39 65
$LAB^*LCH^*_{Ma}$: 51 76 59
$lab^*rgb^*_{Ma}$: 1.0 0.32 0.0

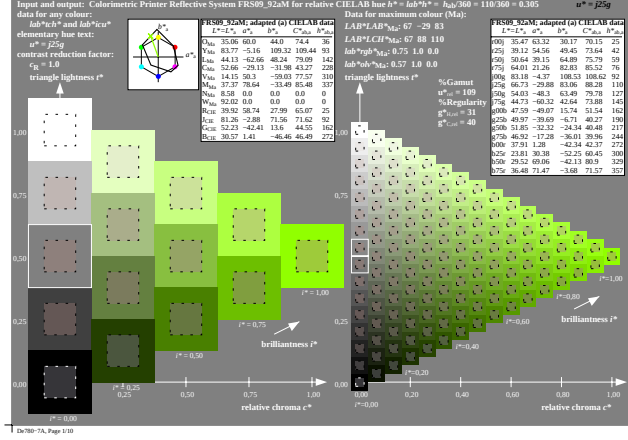


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ $u^* = r75j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r75j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 64 21 83
$LAB^*LCH^*_{Ma}$: 64 86 76
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*ob^*_{Ma}$: 1.0 0.59 0.0

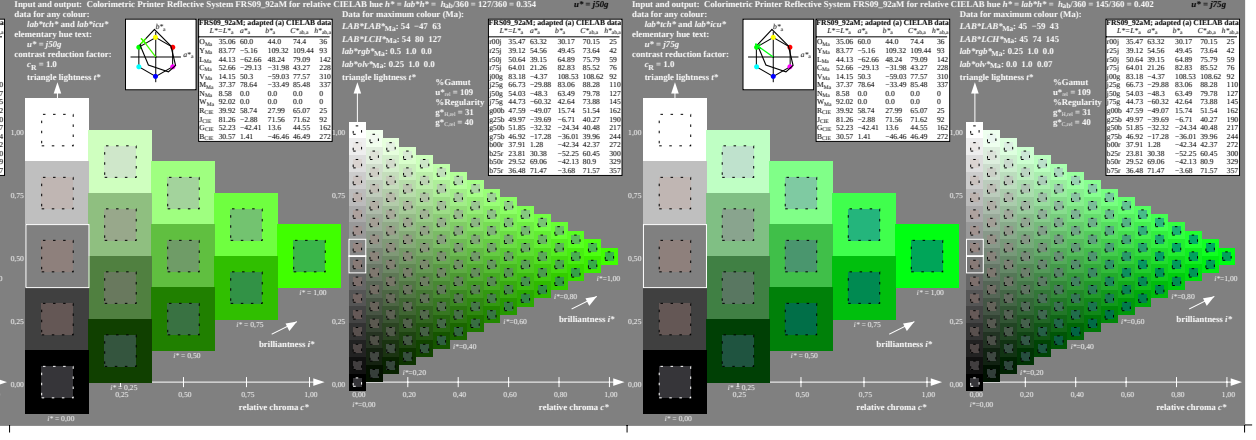
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ $u^* = y00g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = y00g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 83 −3 109
$LAB^*LCH^*_{Ma}$: 83 109 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*ob^*_{Ma}$: 1.0 0.99 0.0



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ $u^* = j25g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j25g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 67 −29 83
$LAB^*LCH^*_{Ma}$: 67 88 110
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*ob^*_{Ma}$: 0.57 1.0 0.0



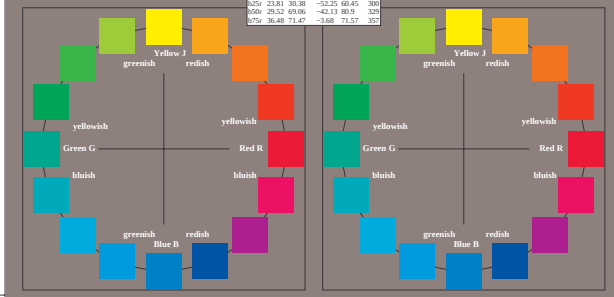
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ $u^* = j50g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j50g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 54 −47 63
$LAB^*LCH^*_{Ma}$: 54 80 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*ob^*_{Ma}$: 0.25 1.0 0.0

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ $u^* = j75g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j75g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 45 −59 43
$LAB^*LCH^*_{Ma}$: 45 74 145
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*ob^*_{Ma}$: 0.0 1.0 0.07

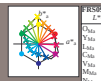
Input and output: Colorimetric Printer Reflective System FRS09_92aM for data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = 16$ hues *r00j, r25j, ..., b75r*
contrast reduction factor: $c_R = 1.0$



FRS09_92aM; adapted (a) CIELAB data

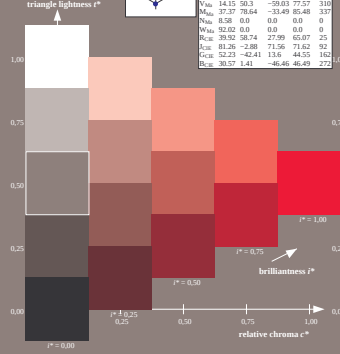
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

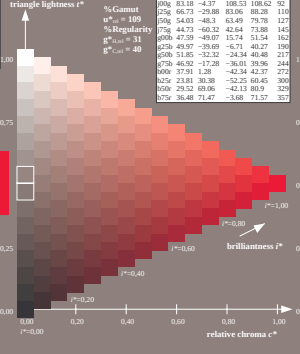


%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ $u^* = r00j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r00j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 63 30
$LAB^*LCH^*_{Ma}$: 35 70 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*ob^*_{Ma}$: 1.0 0.0 0.18



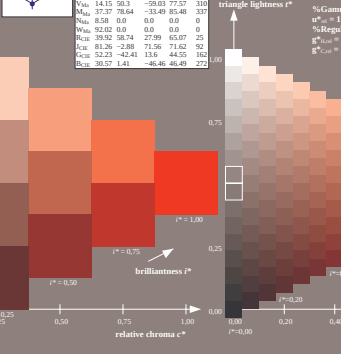
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

FRS09_92aM; adapted (a) CIELAB data

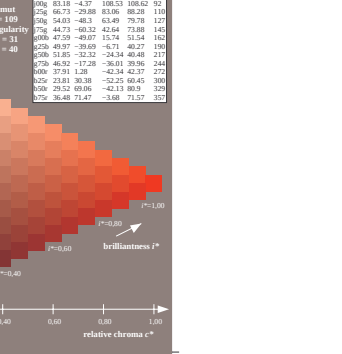
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ $u^* = r25j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r25j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 55 49
$LAB^*LCH^*_{Ma}$: 39 74 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*ob^*_{Ma}$: 1.0 0.08 0.0



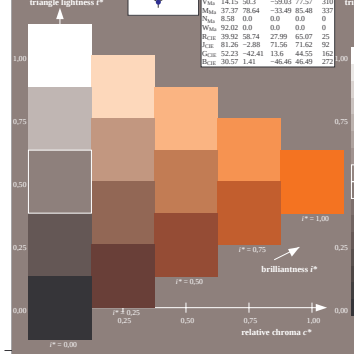
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

FRS09_92aM; adapted (a) CIELAB data

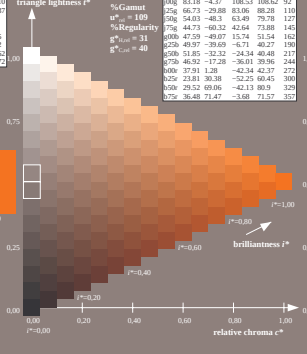
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ $u^* = r50j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r50j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 51 39 65
$LAB^*LCH^*_{Ma}$: 51 76 59
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*ob^*_{Ma}$: 1.0 0.32 0.0



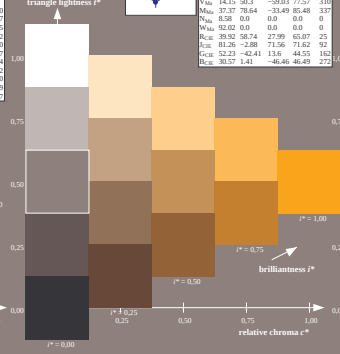
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

FRS09_92aM; adapted (a) CIELAB data

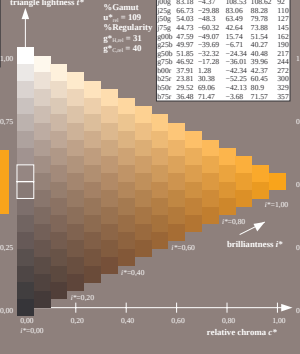
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ $u^* = r75j$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r75j$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 64 21 83
$LAB^*LCH^*_{Ma}$: 64 86 76
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*ob^*_{Ma}$: 1.0 0.59 0.0



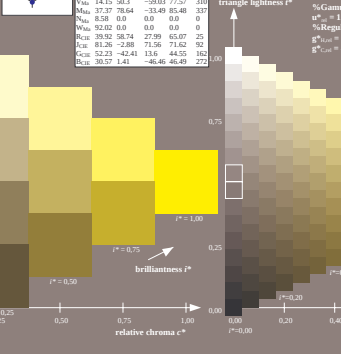
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

FRS09_92aM; adapted (a) CIELAB data

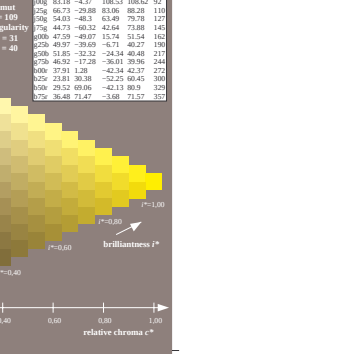
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ $u^* = j00g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j00g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 83 −3 109
$LAB^*LCH^*_{Ma}$: 83 109 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*ob^*_{Ma}$: 1.0 0.99 0.0



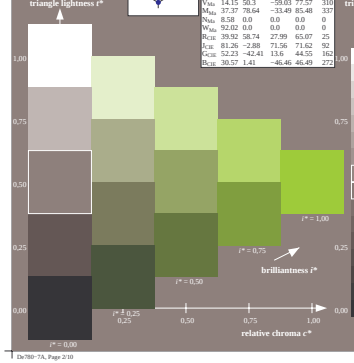
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

FRS09_92aM; adapted (a) CIELAB data

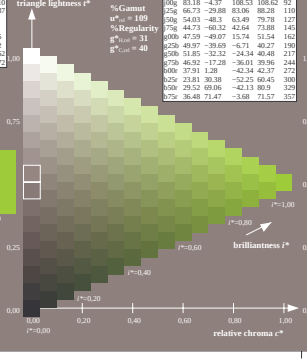
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ $u^* = j25g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j25g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 67 −29 83
$LAB^*LCH^*_{Ma}$: 67 88 110
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*ob^*_{Ma}$: 0.57 1.0 0.0



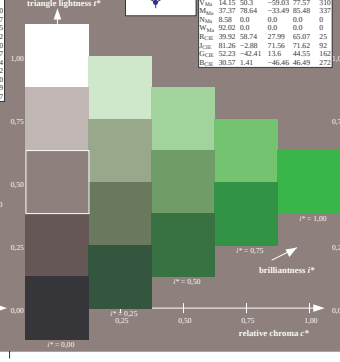
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

FRS09_92aM; adapted (a) CIELAB data

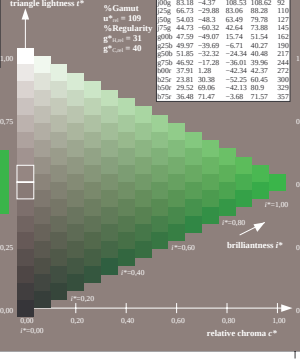
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ $u^* = j50g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j50g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 54 −47 63
$LAB^*LCH^*_{Ma}$: 54 80 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*ob^*_{Ma}$: 0.25 1.0 0.0



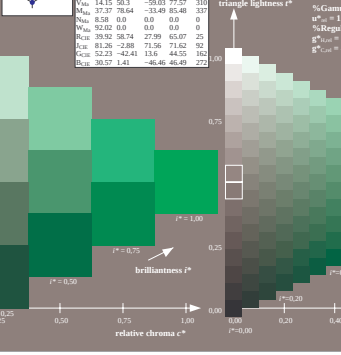
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

FRS09_92aM; adapted (a) CIELAB data

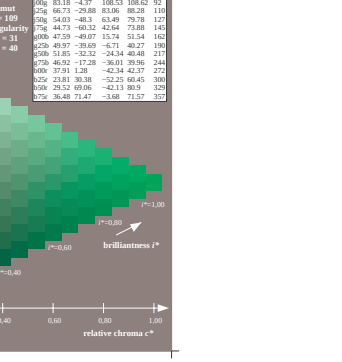
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ $u^* = j75g$
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j75g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*



Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 45 −59 43
$LAB^*LCH^*_{Ma}$: 45 74 145
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*ob^*_{Ma}$: 0.0 1.0 0.07

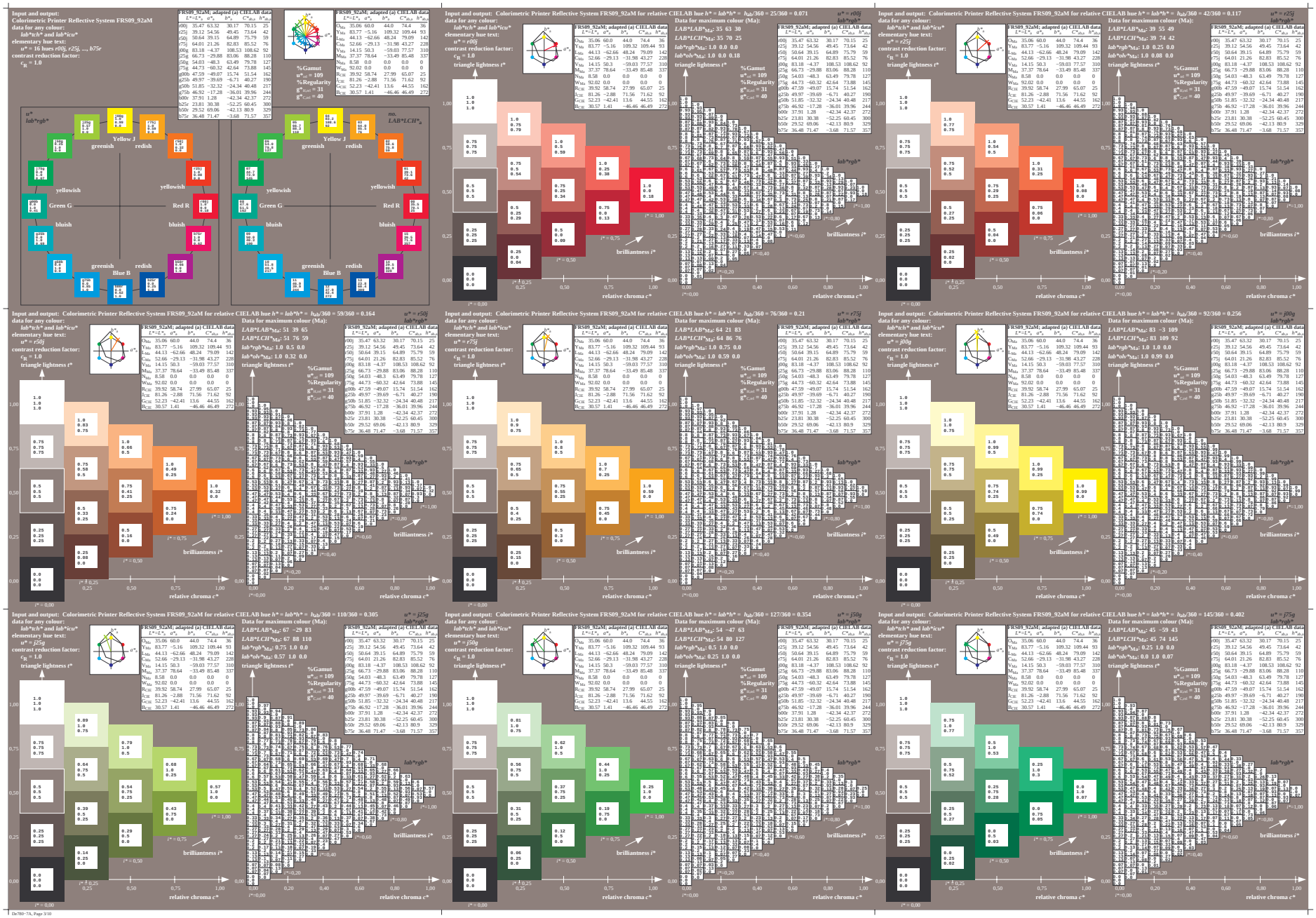


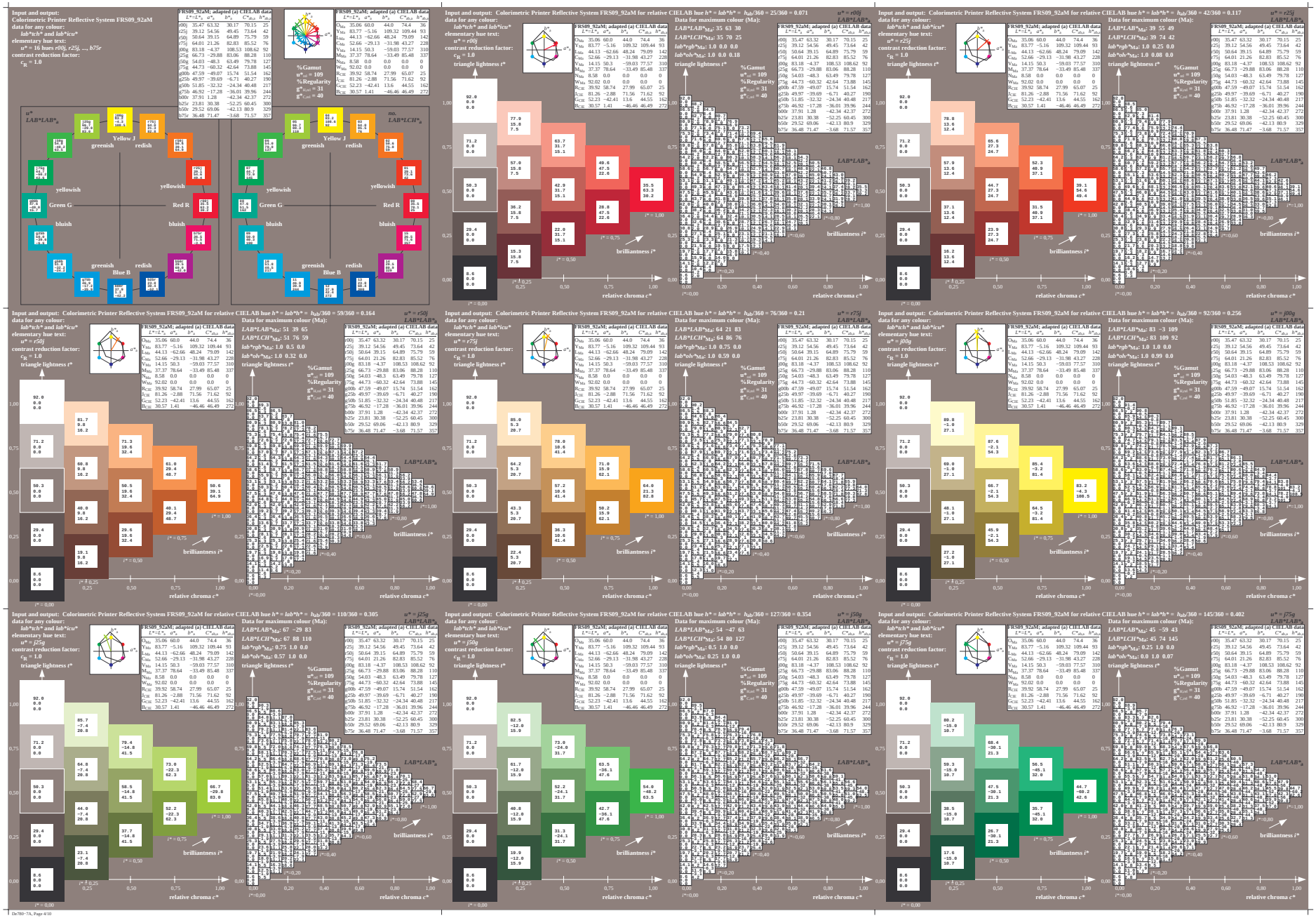
%Gamut $u^*_{wt} = 109$
%Regularity $g^*_{H,wt} = 31$
$g^*_{C,wt} = 40$

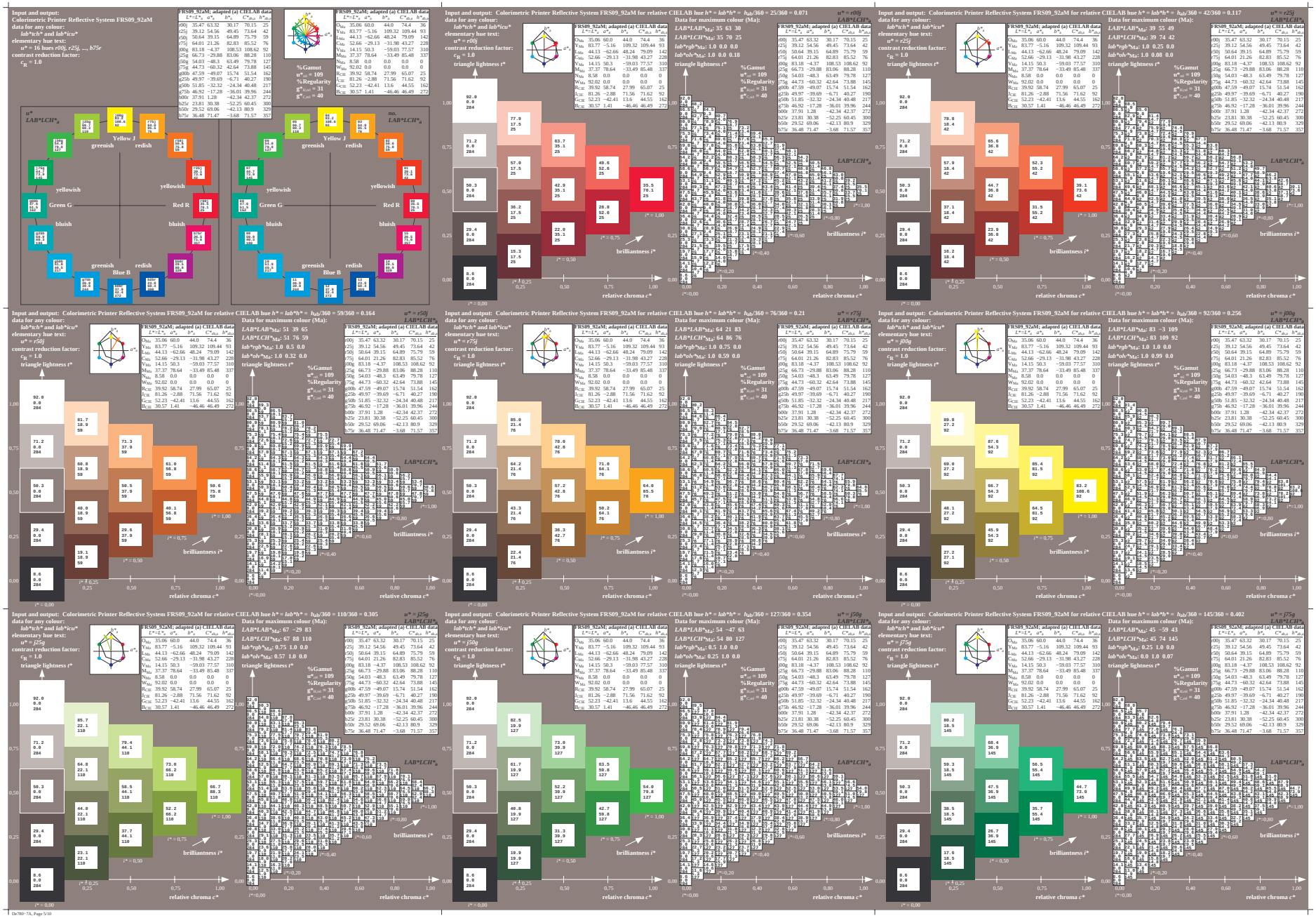
FRS09_92aM; adapted (a) CIELAB data

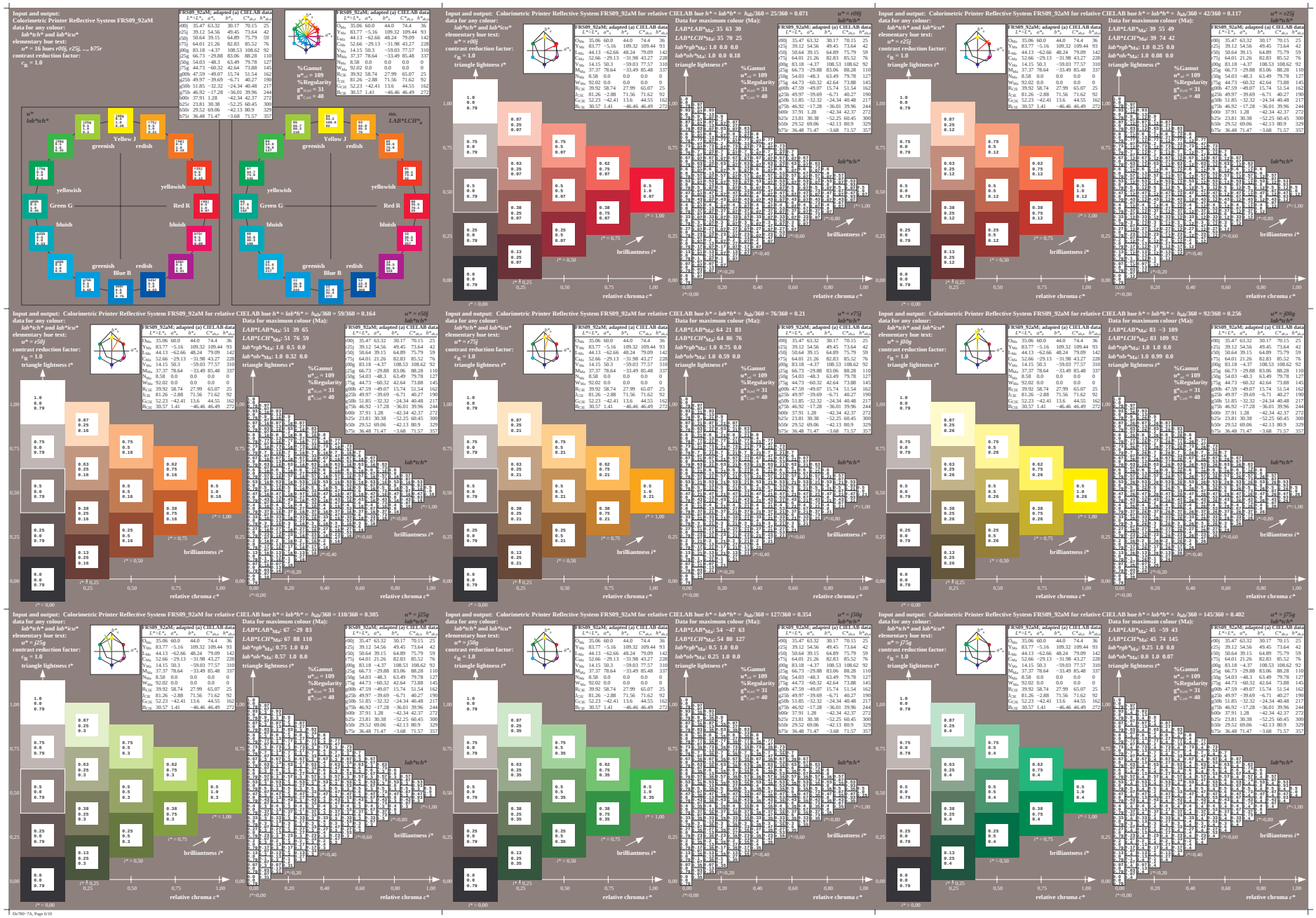
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	35.06	60.0	44.0	74.4	36
Y_{Mu}	83.77	−5.16	109.32	109.44	93
L_{Mu}	44.13	−62.66	48.24	79.09	142
C_{Mu}	52.66	−29.13	−31.98	43.27	228
V_{Mu}	14.15	50.3	−59.03	77.57	310
M_{Mu}	37.37	78.64	−33.49	85.48	337
N_{Mu}	8.58	0.0	0.0	0.0	0
W_{Mu}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
G_{CIE}	81.26	−2.88	71.56	71.62	92
B_{CIE}	30.57	1.41	−46.46	46.49	272

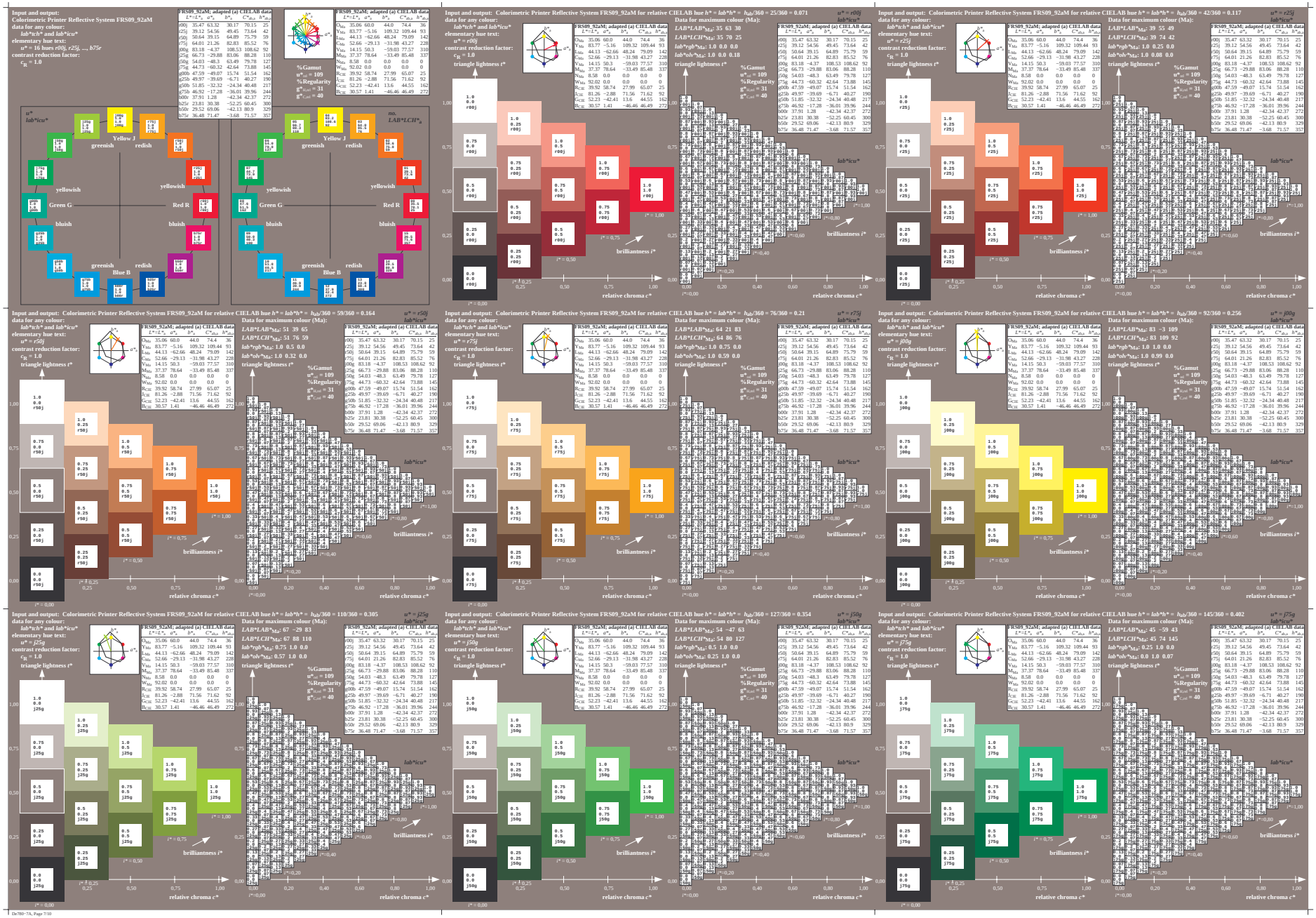
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
g00j	83.18	−4.37	108.53	108.62	92
g25j	66.73	−29.88	83.06	88.28	110
g50j	54.03	−48.3	63.49	79.78	127
g75j	44.73	−60.32	42.64	73.88	145
g00r	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

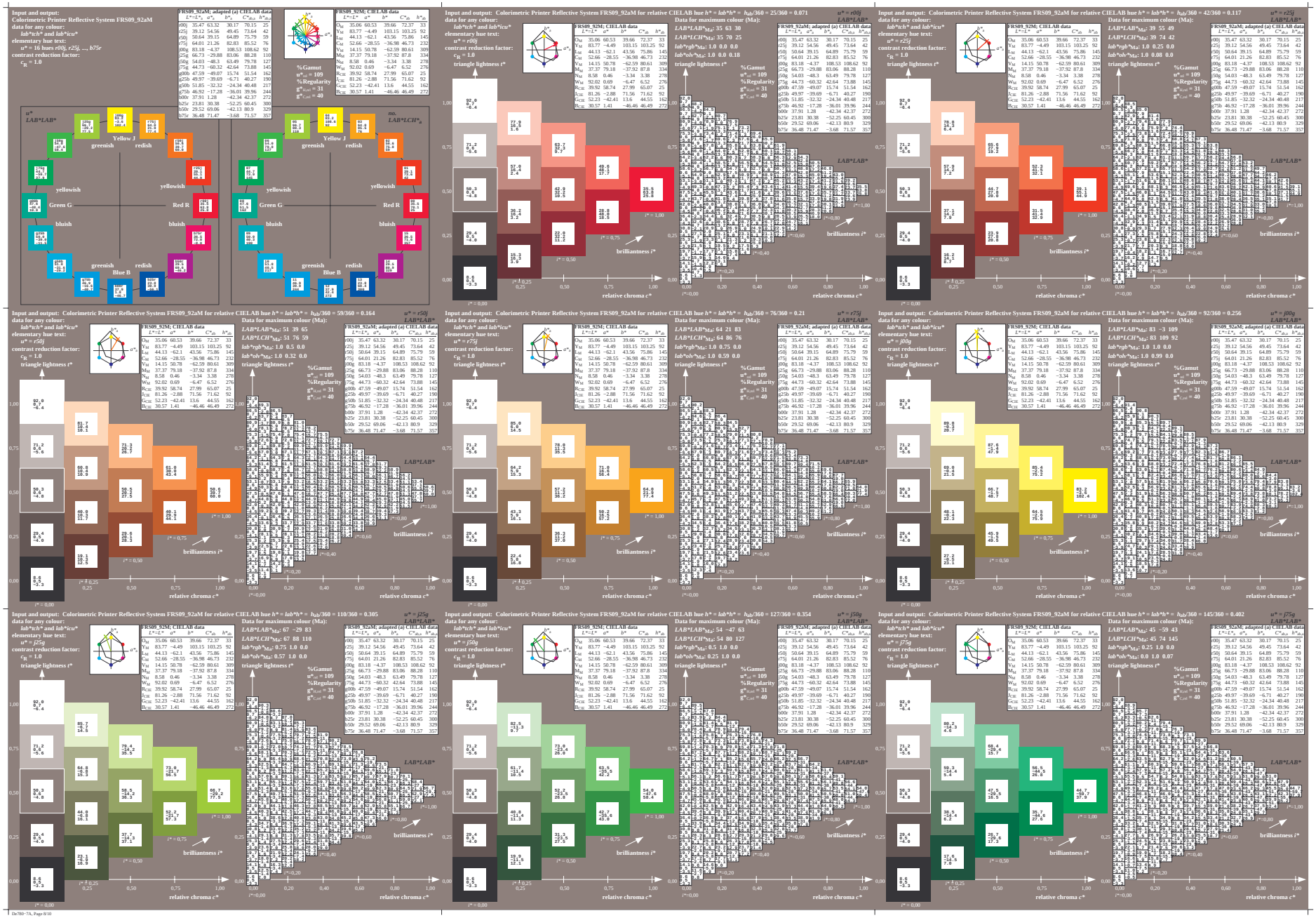

Input and output: Colorimetric Printer Reflective System FRS09_92aM data for any colour: lab*tch* and lab*icu* elementary hue text: u* = 16 hues r00j, r25j, ..., b75r contrast reduction factor: cR = 1.0
FRS09_92aM; adapted (a) CIELAB data
%Gamut u*_out = 109 %Regularity g*_Lcut = 31 g*_Ccut = 40
u* lab*rgb*
na LAB*L*a
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071
Data for maximum colour (Ma): LAB*LAB*Ma: 35 63 30 LAB*LCH*Ma: 35 70 25 lab*rgb*Ma: 1.0 0.0 0.0 lab*oh*Ma: 1.0 0.0 0.18
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117
Data for maximum colour (Ma): LAB*LAB*Ma: 39 55 49 LAB*LCH*Ma: 39 74 42 lab*rgb*Ma: 1.0 0.25 0.0 lab*oh*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164
Data for maximum colour (Ma): LAB*LAB*Ma: 51 39 65 LAB*LCH*Ma: 51 76 59 lab*rgb*Ma: 1.0 0.5 0.0 lab*oh*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21
Data for maximum colour (Ma): LAB*LAB*Ma: 64 21 83 LAB*LCH*Ma: 64 86 76 lab*rgb*Ma: 1.0 0.75 0.0 lab*oh*Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 92/360 = 0.256
Data for maximum colour (Ma): LAB*LAB*Ma: 83 -3 109 LAB*LCH*Ma: 83 109 92 lab*rgb*Ma: 1.0 1.0 0.0 lab*oh*Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 110/360 = 0.305
Data for maximum colour (Ma): LAB*LAB*Ma: 67 -29 83 LAB*LCH*Ma: 67 88 110 lab*rgb*Ma: 0.75 1.0 0.0 lab*oh*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354
Data for maximum colour (Ma): LAB*LAB*Ma: 54 -47 63 LAB*LCH*Ma: 54 80 127 lab*rgb*Ma: 0.5 1.0 0.0 lab*oh*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402
Data for maximum colour (Ma): LAB*LAB*Ma: 45 -59 43 LAB*LCH*Ma: 45 74 145 lab*rgb*Ma: 0.25 1.0 0.0 lab*oh*Ma: 0.0 1.0 0.07
relative chroma c*
brilliantness i*
lab*rgb*

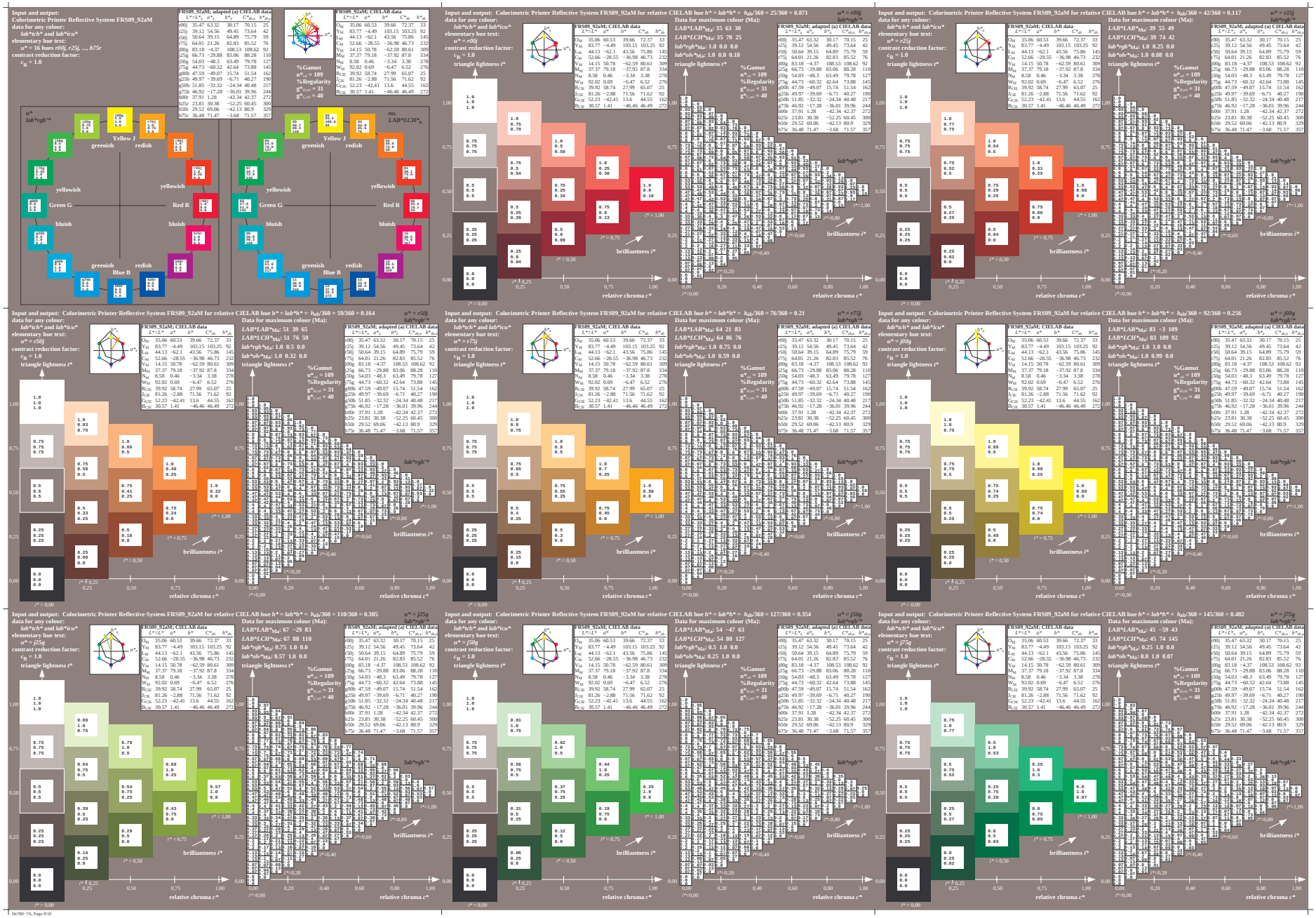

Input and output: Colorimetric Printer Reflective System FRS09_92aM data for any colour: lab*tch* and lab*icu* elementary hue text: u* = 16 hues r00j, r25j, ..., b75r contrast reduction factor: cR = 1.0
FRS09_92aM; adapted (a) CIELAB data
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
u* LAB*LAB*a
no. LAB*LCH*a
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071 u* = r00j LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = r00j contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 35 63 30 LAB*LCH*Ma: 35 70 25 lab*rgb*Ma: 1.0 0.0 0.0 lab*ob*Ma: 1.0 0.0 0.18
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
LAB*LAB*a
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117 u* = r25j LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = r25j contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 39 55 49 LAB*LCH*Ma: 39 74 42 lab*rgb*Ma: 1.0 0.25 0.0 lab*ob*Ma: 1.0 0.08 0.0
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164 u* = r50j LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = r50j contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 51 39 65 LAB*LCH*Ma: 51 76 59 lab*rgb*Ma: 1.0 0.5 0.0 lab*ob*Ma: 1.0 0.32 0.0
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21 u* = r75j LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = r75j contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 64 21 83 LAB*LCH*Ma: 64 86 76 lab*rgb*Ma: 1.0 0.75 0.0 lab*ob*Ma: 1.0 0.59 0.0
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 92/360 = 0.256 u* = j00q LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = j00q contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 83 -3 109 LAB*LCH*Ma: 83 109 92 lab*rgb*Ma: 1.0 1.0 0.0 lab*ob*Ma: 1.0 0.99 0.0
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 110/360 = 0.305 u* = j25q LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = j25q contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 67 -29 83 LAB*LCH*Ma: 67 88 110 lab*rgb*Ma: 0.75 1.0 0.0 lab*ob*Ma: 0.57 1.0 0.0
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354 u* = j50q LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = j50q contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 54 -47 63 LAB*LCH*Ma: 54 80 127 lab*rgb*Ma: 0.5 1.0 0.0 lab*ob*Ma: 0.25 1.0 0.0
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402 u* = j75q LAB*LAB*a
Data for any colour: lab*tch* and lab*icu* elementary hue text: u* = j75q contrast reduction factor: cR = 1.0 triangle lightness i*
Data for maximum colour (Ma): LAB*LAB*Ma: 45 -59 43 LAB*LCH*Ma: 45 74 145 lab*rgb*Ma: 0.25 1.0 0.0 lab*ob*Ma: 0.0 1.0 0.07
%Gamut u*out = 109 %Regularity g*Lcut = 31 g*Ccut = 40


Input and output: Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0
FRS09_92aM; adapted (a) CIELAB data
%Gamut
u*_ref = 109
%Regularity
g*_Lcul = 31
g*_Ccul = 40
u*
LAB*LCH*_u
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 25/360 = 0.071
u* = r00j
LAB*LCH*_u
Data for maximum colour (Ma):
LAB*LAB*_Ma: 35 63 30
LAB*LCH*_Ma: 35 70 25
lab*rgb*_Ma: 1.0 0.0 0.0
lab*oh*_Ma: 1.0 0.0 0.18
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 42/360 = 0.117
u* = r25j
LAB*LAB*_Ma: 39 55 49
LAB*LCH*_Ma: 39 74 42
lab*rgb*_Ma: 1.0 0.25 0.0
lab*oh*_Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 59/360 = 0.164
u* = r50j
LAB*LAB*_Ma: 51 39 65
LAB*LCH*_Ma: 51 76 59
lab*rgb*_Ma: 1.0 0.5 0.0
lab*oh*_Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 76/360 = 0.21
u* = r75j
LAB*LAB*_Ma: 64 21 83
LAB*LCH*_Ma: 64 86 76
lab*rgb*_Ma: 1.0 0.75 0.0
lab*oh*_Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 92/360 = 0.256
u* = j00g
LAB*LAB*_Ma: 83 -3 109
LAB*LCH*_Ma: 83 109 92
lab*rgb*_Ma: 1.0 1.0 0.0
lab*oh*_Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 110/360 = 0.305
u* = j25g
LAB*LAB*_Ma: 67 -29 83
LAB*LCH*_Ma: 67 88 110
lab*rgb*_Ma: 0.75 1.0 0.0
lab*oh*_Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 127/360 = 0.354
u* = j50g
LAB*LAB*_Ma: 54 -47 63
LAB*LCH*_Ma: 54 80 127
lab*rgb*_Ma: 0.5 1.0 0.0
lab*oh*_Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 145/360 = 0.402
u* = j75g
LAB*LAB*_Ma: 45 -59 43
LAB*LCH*_Ma: 45 74 145
lab*rgb*_Ma: 0.25 1.0 0.0
lab*oh*_Ma: 0.0 1.0 0.07
triangle lightness i*
brilliantness i*
relative chroma c*

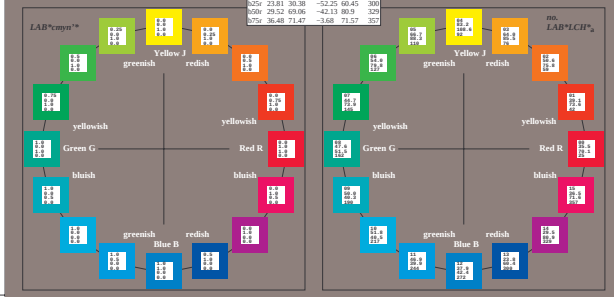

Input and output: Colorimetric Printer Reflective System FRS09_92aM
data for any colour: lab*tch* and lab*icu*
elementary hue text: u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor: c_R = 1.0
FRS09_92aM; adapted (a) CIELAB data
%Gamut u*_out = 109
%Regularity g*_Lcut = 31 g*_Ccut = 40
u* lab*tch*
na LAB*LCH*a
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 25/360 = 0.071
u* = r00j
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 63 30
LAB*LCH*Ma: 35 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*ob*Ma: 1.0 0.0 0.18
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 42/360 = 0.117
u* = r25j
Data for maximum colour (Ma):
LAB*LAB*Ma: 39 55 49
LAB*LCH*Ma: 39 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*ob*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 59/360 = 0.164
u* = r50j
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 39 65
LAB*LCH*Ma: 51 76 59
lab*rgb*Ma: 1.0 0.5 0.0
lab*ob*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 76/360 = 0.21
u* = r75j
Data for maximum colour (Ma):
LAB*LAB*Ma: 64 21 83
LAB*LCH*Ma: 64 86 76
lab*rgb*Ma: 1.0 0.75 0.0
lab*ob*Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 92/360 = 0.256
u* = j00g
Data for maximum colour (Ma):
LAB*LAB*Ma: 83 -3 109
LAB*LCH*Ma: 83 109 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*ob*Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 110/360 = 0.305
u* = j25g
Data for maximum colour (Ma):
LAB*LAB*Ma: 67 -29 83
LAB*LCH*Ma: 67 88 110
lab*rgb*Ma: 0.75 1.0 0.0
lab*ob*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 127/360 = 0.354
u* = j50g
Data for maximum colour (Ma):
LAB*LAB*Ma: 54 -47 63
LAB*LCH*Ma: 54 80 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*ob*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = h_ab/360 = 145/360 = 0.402
u* = j75g
Data for maximum colour (Ma):
LAB*LAB*Ma: 45 -59 43
LAB*LCH*Ma: 45 74 145
lab*rgb*Ma: 0.25 1.0 0.0
lab*ob*Ma: 0.0 1.0 0.07
relative chroma c*
brilliantness i*
lab*tch*


Input and output: Colorimetric Printer Reflective System FRS09_92aM data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92aM; adapted (a) CIELAB data
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
u*
lab*icu*
na
LAB*LCH*a
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071
u* = r00j
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = r00j
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 63 30
LAB*LCH*Ma: 35 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*oh*Ma: 1.0 0.0 0.18
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117
u* = r25j
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = r25j
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 39 55 49
LAB*LCH*Ma: 39 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*oh*Ma: 1.0 0.08 0.0
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164
u* = r50j
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = r50j
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 39 65
LAB*LCH*Ma: 51 76 59
lab*rgb*Ma: 1.0 0.5 0.0
lab*oh*Ma: 1.0 0.32 0.0
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21
u* = r75j
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = r75j
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 64 21 83
LAB*LCH*Ma: 64 86 76
lab*rgb*Ma: 1.0 0.75 0.0
lab*oh*Ma: 1.0 0.59 0.0
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 92/360 = 0.256
u* = j00g
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = j00g
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 83 -3 109
LAB*LCH*Ma: 83 109 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*oh*Ma: 1.0 0.99 0.0
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 110/360 = 0.305
u* = j25g
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = j25g
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 67 -29 83
LAB*LCH*Ma: 67 88 110
lab*rgb*Ma: 0.75 1.0 0.0
lab*oh*Ma: 0.57 1.0 0.0
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354
u* = j50g
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = j50g
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 54 -47 63
LAB*LCH*Ma: 54 80 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*oh*Ma: 0.25 1.0 0.0
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402
u* = j75g
lab*icu*
Data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = j75g
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 45 -59 43
LAB*LCH*Ma: 45 74 145
lab*rgb*Ma: 0.25 1.0 0.0
lab*oh*Ma: 0.0 1.0 0.07
%Gamut
u*ref = 109
%Regularity
g*ref = 31
g*Cref = 40
relative chroma c*
brilliantness i*


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 92/360 = 0.256
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 110/360 = 0.305
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402
relative chroma c*
brilliantness i*
LAB*LAB*


Input and output: Colorimetric Printer Reflective System FRS09_92aM data for any colour: lab*tch* and lab*icu* elementary hue text: u* = 16 hues r00j, r25j, ..., b75r contrast reduction factor: cR = 1.0
FRS09_92aM; adapted (a) CIELAB data
%Gamut u*,v* = 109 %Regularity g*Y,Lcd = 31 g*C,Lcd = 40
u* lab*rgb'*
na LAB*L*a
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071 u* = r00j
Data for maximum colour (Ma): LAB*LAB*Ma: 35 63 30 LAB*LCH*Ma: 35 70 25 lab*rgb*Ma: 1.0 0.0 0.0 lab*rgb'*Ma: 1.0 0.0 0.18
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117 u* = r25j
Data for maximum colour (Ma): LAB*LAB*Ma: 39 55 49 LAB*LCH*Ma: 39 74 42 lab*rgb'*Ma: 1.0 0.25 0.0 lab*rgb'*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164 u* = r50j
Data for maximum colour (Ma): LAB*LAB*Ma: 51 39 65 LAB*LCH*Ma: 51 76 59 lab*rgb*Ma: 1.0 0.5 0.0 lab*rgb'*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21 u* = r75j
Data for maximum colour (Ma): LAB*LAB*Ma: 64 21 83 LAB*LCH*Ma: 64 86 76 lab*rgb*Ma: 1.0 0.75 0.0 lab*rgb'*Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 92/360 = 0.256 u* = j00g
Data for maximum colour (Ma): LAB*LAB*Ma: 83 -3 109 LAB*LCH*Ma: 83 109 92 lab*rgb*Ma: 1.0 1.0 0.0 lab*rgb'*Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 110/360 = 0.305 u* = j25g
Data for maximum colour (Ma): LAB*LAB*Ma: 67 -29 83 LAB*LCH*Ma: 67 88 110 lab*rgb*Ma: 0.75 1.0 0.0 lab*rgb'*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354 u* = j50g
Data for maximum colour (Ma): LAB*LAB*Ma: 54 -47 63 LAB*LCH*Ma: 54 80 127 lab*rgb*Ma: 0.5 1.0 0.0 lab*rgb'*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402 u* = j75g
Data for maximum colour (Ma): LAB*LAB*Ma: 45 -59 43 LAB*LCH*Ma: 45 74 145 lab*rgb*Ma: 0.25 1.0 0.0 lab*rgb'*Ma: 0.0 1.0 0.07
relative chroma c*
brilliantness i*
lab*rgb'*
Da'780-7A, Page 9/10

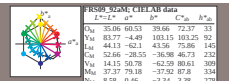
Input and output: Colorimetric Printer Reflective System FRS09_92aM data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = 16$ hues *r00j, r25j, ..., b75r*
contrast reduction factor: $c_R = 1.0$



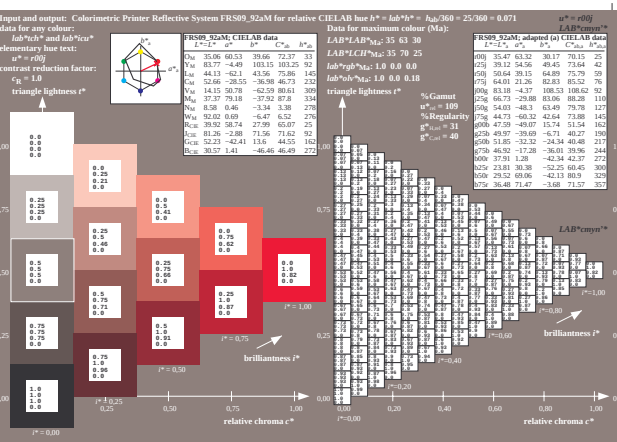
FRS09_92aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{bk}	35.06	60.53	39.66	72.37	33
Y_{bl}	83.77	−4.49	103.15	103.25	92
L_{ur}	44.13	−62.1	43.56	75.86	145
C_{ur}	52.66	−28.55	−36.98	46.73	232
V_{ur}	14.15	50.78	−62.59	80.61	309
M_{ur}	37.37	79.18	−37.92	87.8	334
N_{ur}	8.58	0.46	−3.34	3.38	278
W_{ur}	92.02	0.69	−6.47	6.52	276
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

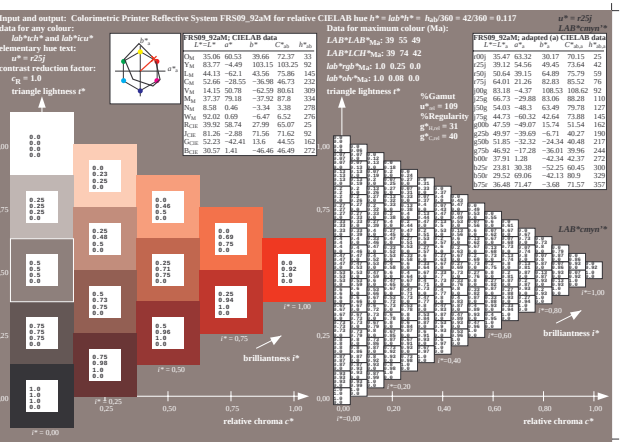
	$L^*=L^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
y00j	83.18	−4.37	108.53	108.62	92
y25j	66.73	−29.88	83.06	88.28	110
y50j	54.03	−48.3	63.49	79.78	127
y75j	44.73	−60.32	42.64	73.88	145
g00j	47.59	−49.07	15.74	51.54	162
g25j	49.97	−39.69	−6.71	40.27	190
g50j	51.85	−32.32	−24.34	40.48	217
g75j	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357



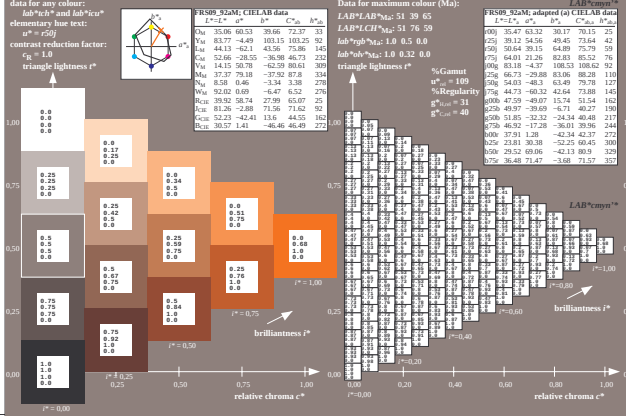
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ $u^* = r00j$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 72 37 33 $LAB^*LCH^*_{Ma}$: 35 70 25 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.0 $lab^*ob^*_{Ma}$: 1.0 0.0 0.18



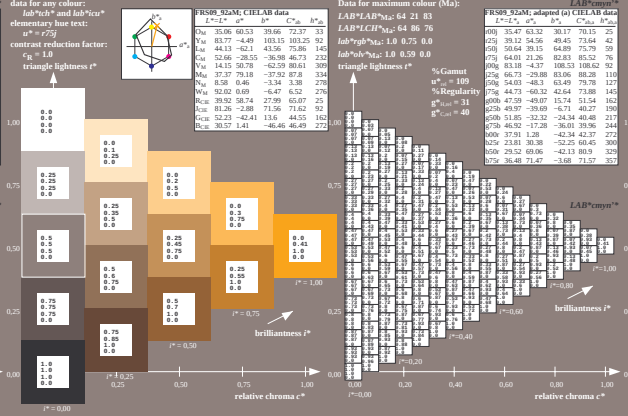
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ $u^* = r25j$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 39 55 49 $LAB^*LCH^*_{Ma}$: 39 74 42 $lab^*rgb^*_{Ma}$: 1.0 0.25 0.0 $lab^*ob^*_{Ma}$: 1.0 0.08 0.0



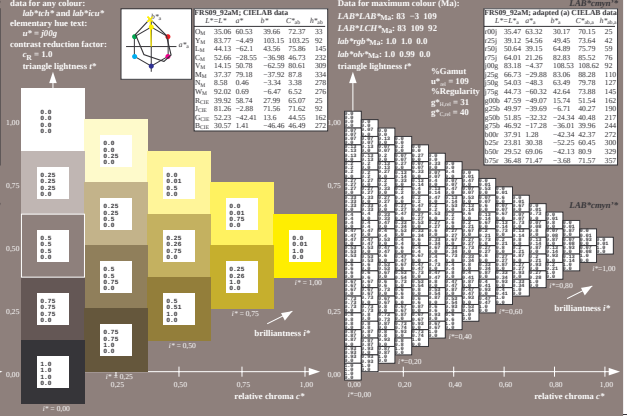
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ $u^* = r50j$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 51 39 65 $LAB^*LCH^*_{Ma}$: 51 76 59 $lab^*rgb^*_{Ma}$: 1.0 0.5 0.0 $lab^*ob^*_{Ma}$: 1.0 0.32 0.0



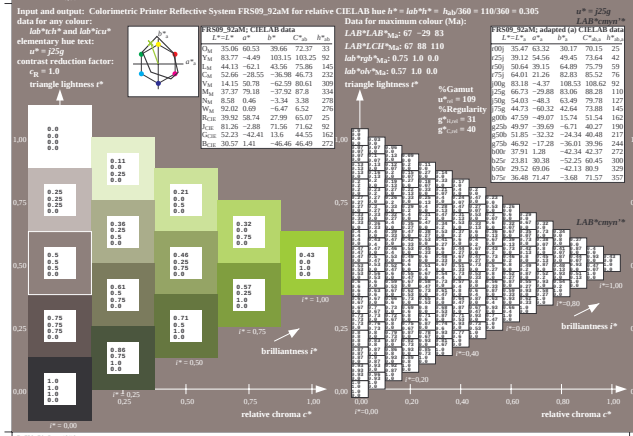
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ $u^* = r75j$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 64 21 83 $LAB^*LCH^*_{Ma}$: 64 86 76 $lab^*rgb^*_{Ma}$: 1.0 0.75 0.0 $lab^*ob^*_{Ma}$: 1.0 0.59 0.0



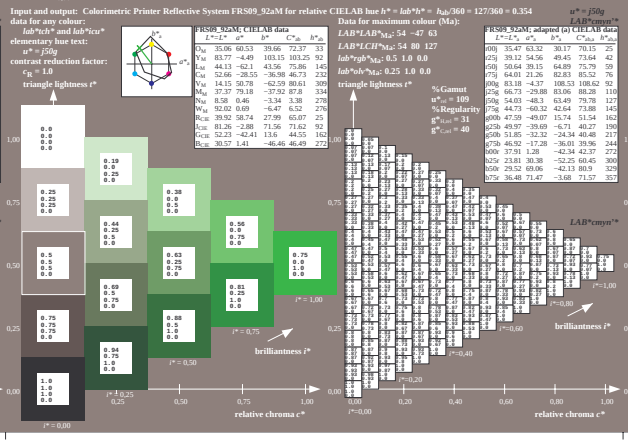
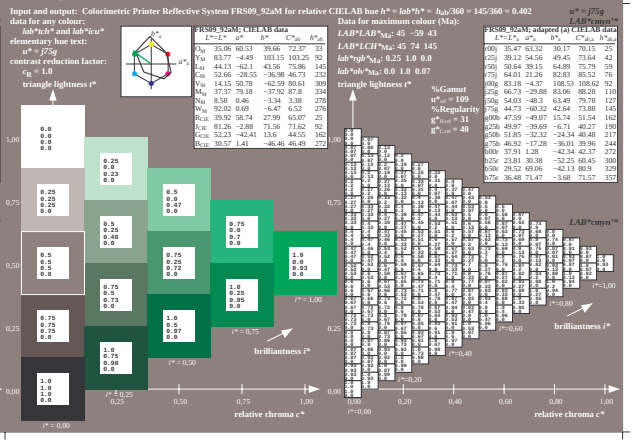
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ $u^* = j00g$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 83 −3 109 $LAB^*LCH^*_{Ma}$: 83 109 92 $lab^*rgb^*_{Ma}$: 1.0 1.0 0.0 $lab^*ob^*_{Ma}$: 1.0 0.99 0.0



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ $u^* = j25g$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 67 −29 83 $LAB^*LCH^*_{Ma}$: 67 88 110 $lab^*rgb^*_{Ma}$: 0.75 1.0 0.0 $lab^*ob^*_{Ma}$: 0.57 1.0 0.0



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ $u^* = j50g$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 54 −47 63 $LAB^*LCH^*_{Ma}$: 54 80 127 $lab^*rgb^*_{Ma}$: 0.5 1.0 0.0 $lab^*ob^*_{Ma}$: 0.25 1.0 0.0



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ $u^* = j75g$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 45 −59 43 $LAB^*LCH^*_{Ma}$: 45 74 145 $lab^*rgb^*_{Ma}$: 0.25 1.0 0.0 $lab^*ob^*_{Ma}$: 0.0 1.0 0.07