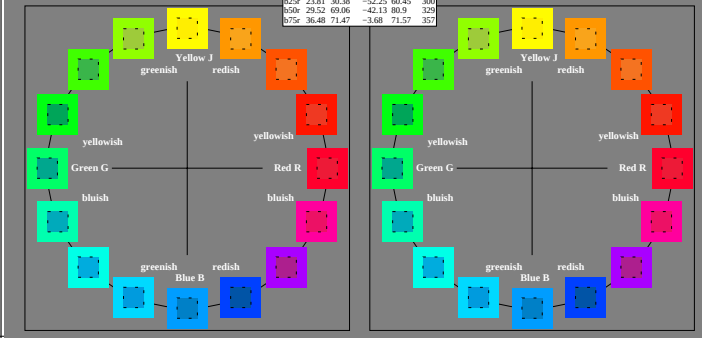
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
c_R = 1.0

FRS09_92a; adapted (a) CIELAB data

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



FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv**$_{Ma}$: 1.0 0.0 0.18

Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv**$_{Ma}$: 1.0 0.08 0.0

Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv**$_{Ma}$: 1.0 0.32 0.0

Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv**$_{Ma}$: 1.0 0.59 0.0

Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv**$_{Ma}$: 1.0 0.99 0.0

Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv**$_{Ma}$: 0.57 1.0 0.0

Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv**$_{Ma}$: 0.25 1.0 0.0

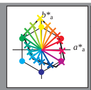
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ *u* = j75g*
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = *j75g*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*

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

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

FRS09_92a; adapted (a) CIELAB data

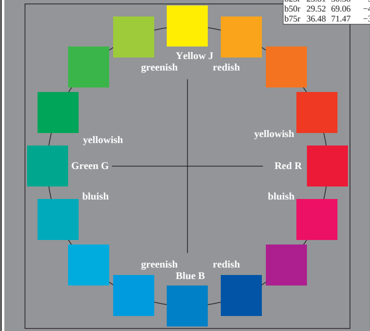
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	−4.37	108.53	108.62	92
j25g	66.73	−29.88	83.06	88.28	110
j50g	54.03	−48.3	63.49	79.78	127
j75g	44.73	−60.32	42.64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

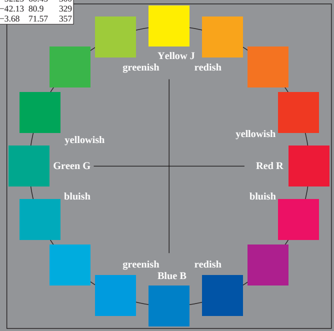


%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

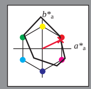
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272





Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ $u^* = r00j$
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = r00j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

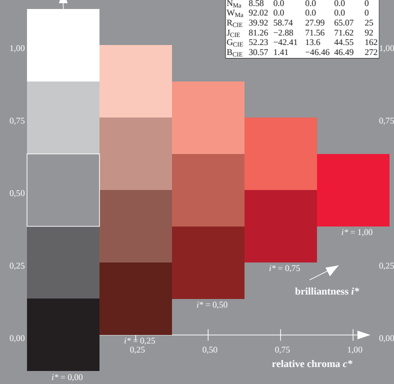
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

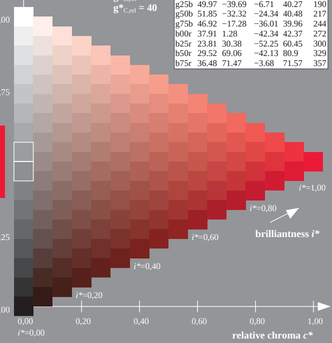
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 63 30
$LAB^*LCH^*_{Ma}$: 35 70 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.18
triangle lightness t^*

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

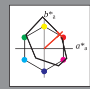
FRS09_92a; adapted (a) CIELAB data

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





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



FRS09_92a; adapted (a) CIELAB data

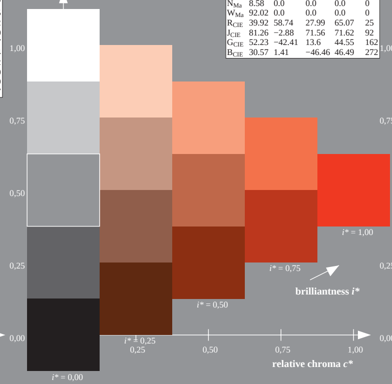
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

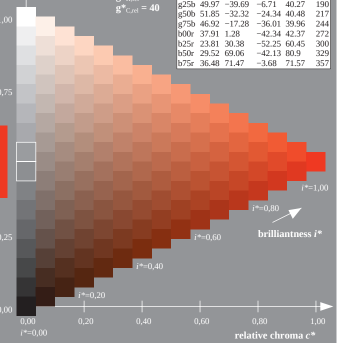
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 55 49
$LAB^*LCH^*_{Ma}$: 39 74 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.08 0.0
triangle lightness t^*

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

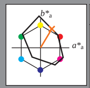
FRS09_92a; adapted (a) CIELAB data

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





Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ $u^* = r50j$
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = r50j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

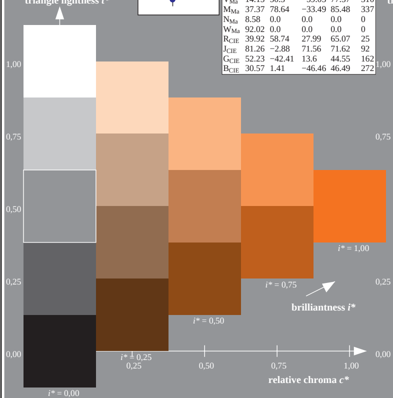
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

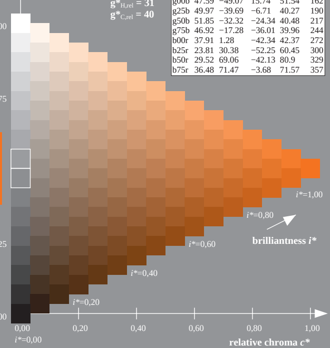
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 51 39 65
$LAB^*LCH^*_{Ma}$: 51 76 59
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.32 0.0
triangle lightness t^*

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

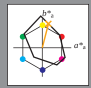
FRS09_92a; adapted (a) CIELAB data

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





Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ $u^* = r75j$
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = r75j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

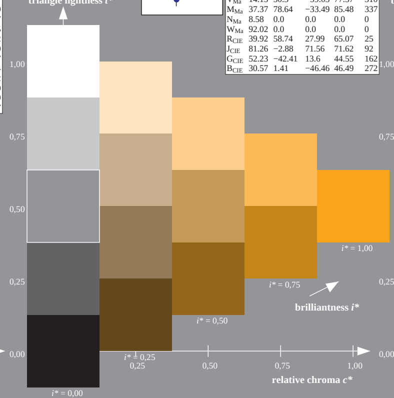
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

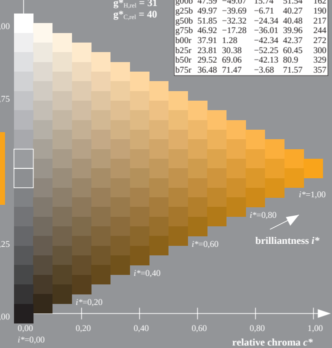
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 64 21 83
$LAB^*LCH^*_{Ma}$: 64 86 76
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*olv^*_{Ma}$: 1.0 0.59 0.0
triangle lightness t^*

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

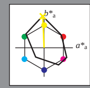
FRS09_92a; adapted (a) CIELAB data

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





Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ $u^* = j00g$
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = j00g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

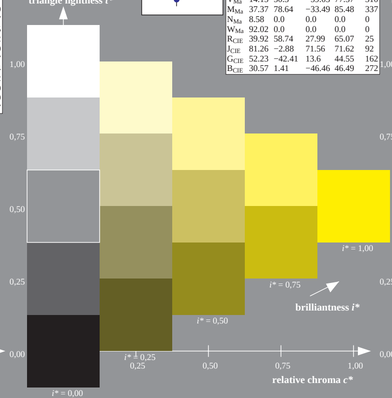
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

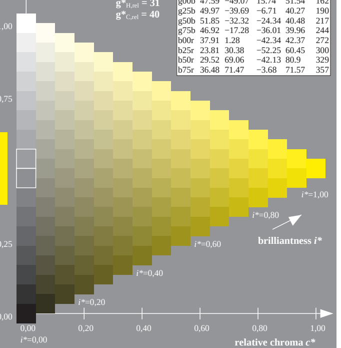
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 83 −3 109
$LAB^*LCH^*_{Ma}$: 83 109 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.99 0.0
triangle lightness t^*

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

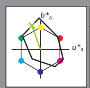
FRS09_92a; adapted (a) CIELAB data

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





Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ $u^* = j25g$
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = j25g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

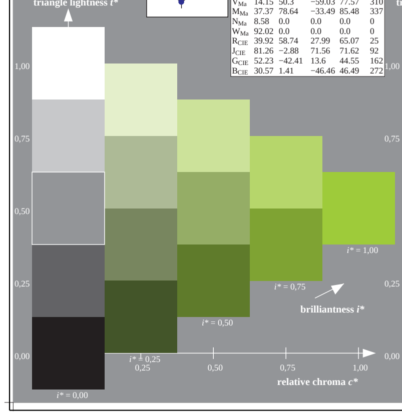
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

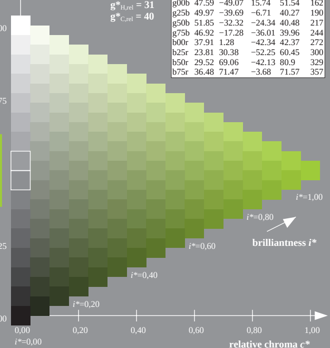
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 67 −29 83
$LAB^*LCH^*_{Ma}$: 67 88 110
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.57 1.0 0.0
triangle lightness t^*

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

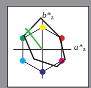
FRS09_92a; adapted (a) CIELAB data

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





Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ $u^* = j50g$
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = j50g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

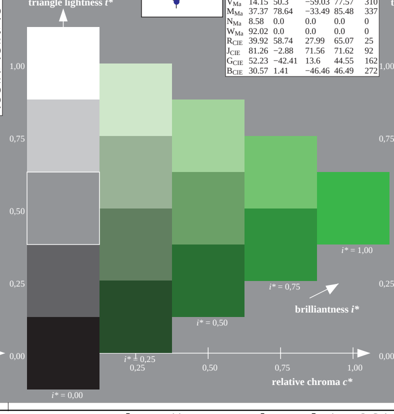
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

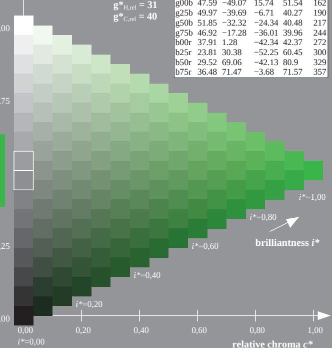
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 54 −47 63
$LAB^*LCH^*_{Ma}$: 54 80 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*olv^*_{Ma}$: 0.25 1.0 0.0
triangle lightness t^*

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

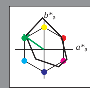
FRS09_92a; adapted (a) CIELAB data

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





Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ $u^* = j75g$
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = j75g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

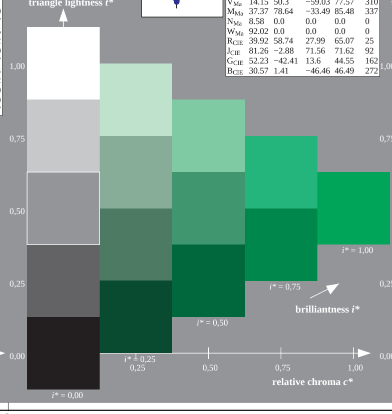
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

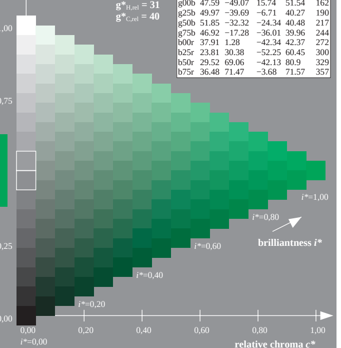
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 45 −59 43
$LAB^*LCH^*_{Ma}$: 45 74 145
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.07
triangle lightness t^*

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

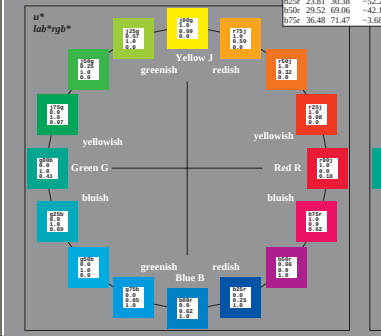
FRS09_92a; adapted (a) CIELAB data

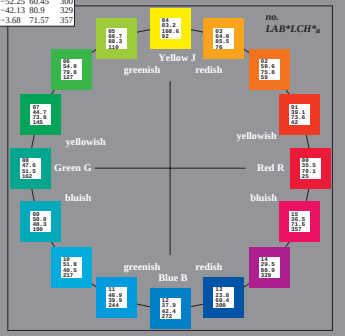
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	−4.37	108.53	108.62	92
j25g	66.73	−29.88	83.06	88.28	110
j50g	54.03	−48.3	63.49	79.78	127
j75g	44.73	−60.32	42.64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





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





FRS09_92a; adapted (a) CIELAB data

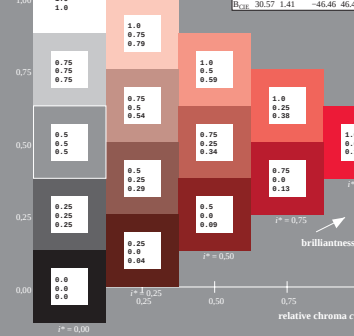
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j 35.47	63.32	30.17	70.15	25
r25j 39.12	54.56	49.45	73.64	42
r50j 50.64	39.15	64.89	75.79	59
r75j 64.01	21.26	82.83	85.52	76
j00g 83.18	−4.37	108.53	108.62	92
j25g 66.73	−29.88	83.06	88.28	110
j50g 54.03	−48.3	63.49	79.78	127
j75g 44.73	−60.32	42.64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

	$L^*=L^*_a$	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
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

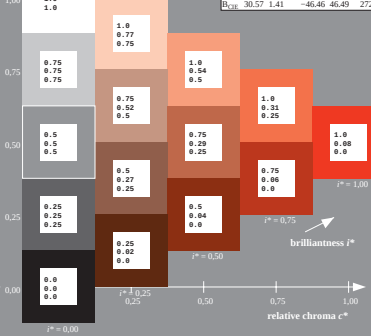
FRS09_92a; adapted (a) CIELAB data

$L^*=L^*_a$	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
J_{CIE} 81.26	−2.88	71.56	71.62	92
G_{CIE} 52.23	−42.41	13.6	44.55	162
B_{CIE} 30.57	1.41	−46.46	46.49	272

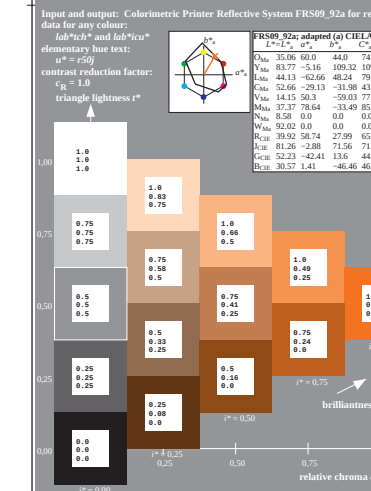
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ — $u^* = r00j$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r00j$
contrast reduction factor: $c_R = 1.0$
triangle lightness 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*olv**$_{Ma}$: 1.0 0.0 0.18



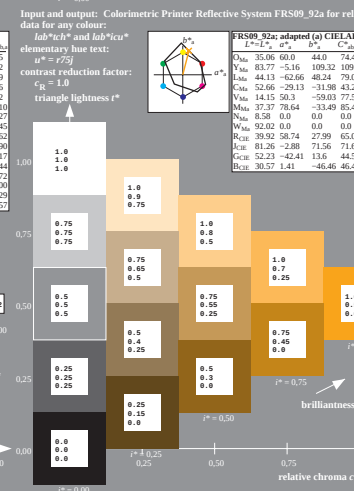
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ — $u^* = r25j$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r25j$
contrast reduction factor: $c_R = 1.0$
triangle lightness 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*olv**$_{Ma}$: 1.0 0.08 0.0



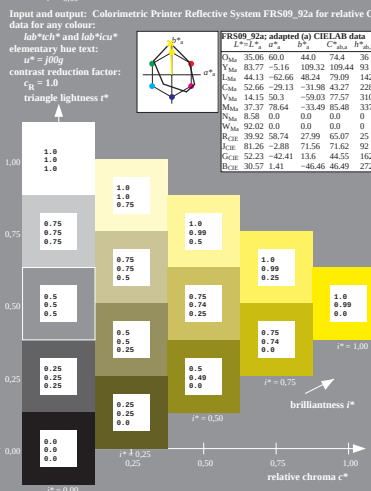
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ — $u^* = r50j$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r50j$
contrast reduction factor: $c_R = 1.0$
triangle lightness 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*olv**$_{Ma}$: 1.0 0.32 0.0



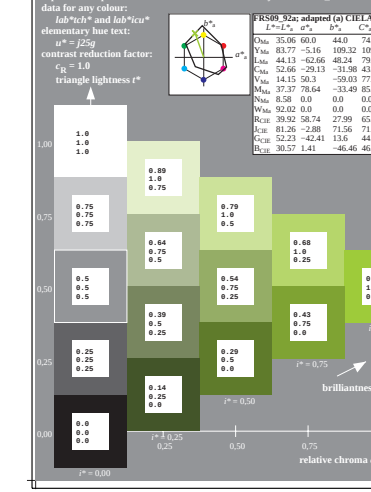
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ — $u^* = r75j$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = r75j$
contrast reduction factor: $c_R = 1.0$
triangle lightness 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*olv**$_{Ma}$: 1.0 0.59 0.0



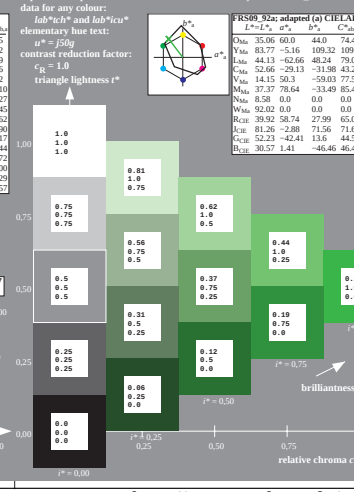
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ — $u^* = j00g$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j00g$
contrast reduction factor: $c_R = 1.0$
triangle lightness 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*olv**$_{Ma}$: 1.0 0.99 0.0



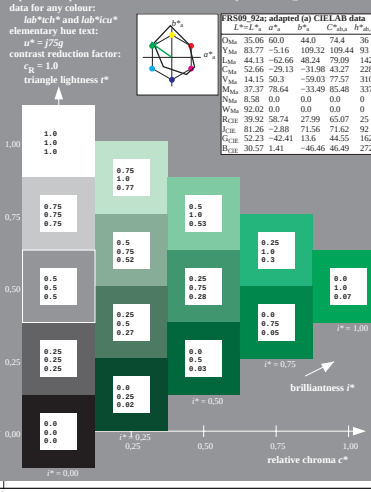
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ — $u^* = j25g$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j25g$
contrast reduction factor: $c_R = 1.0$
triangle lightness 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*olv**$_{Ma}$: 0.57 1.0 0.0

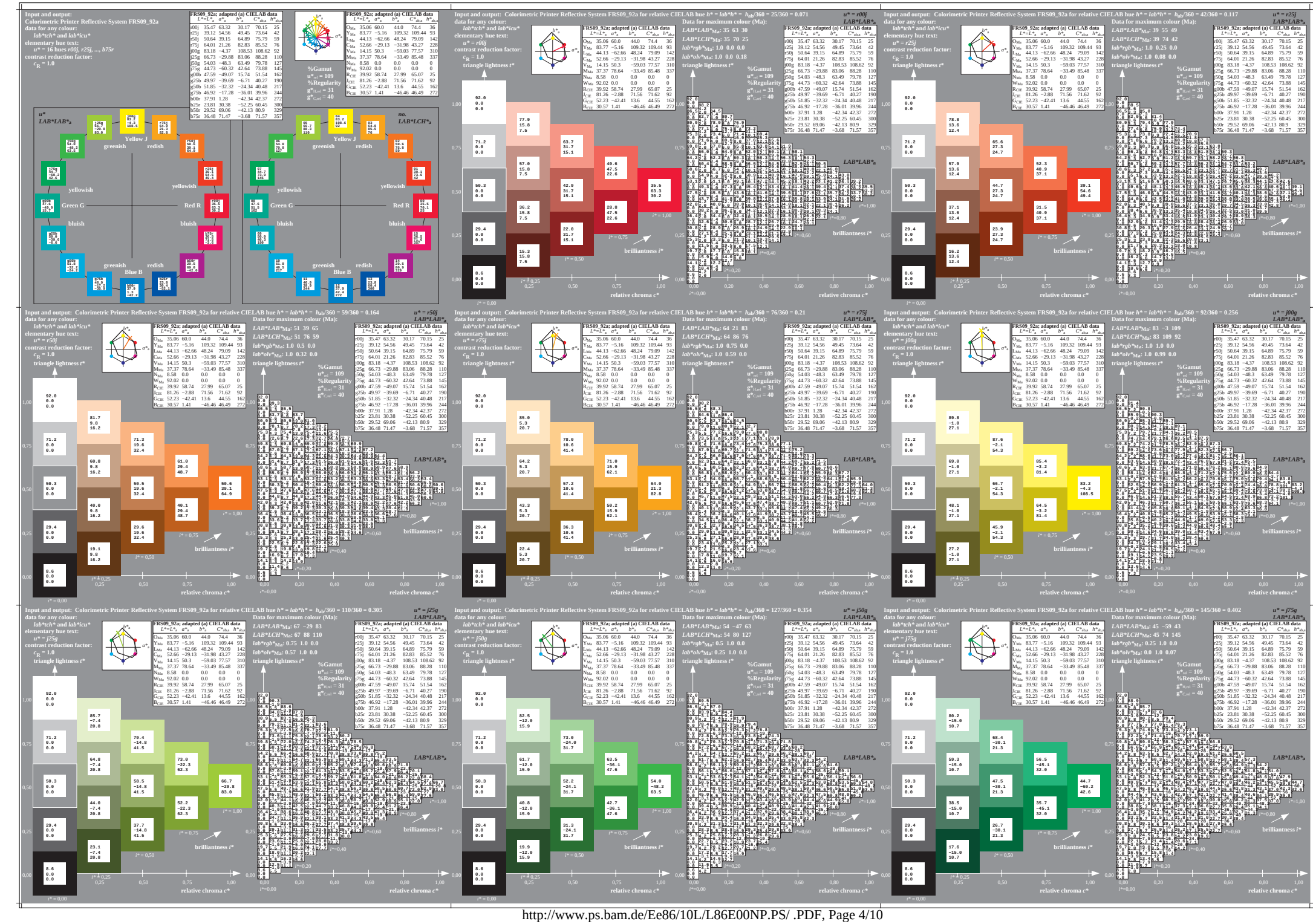


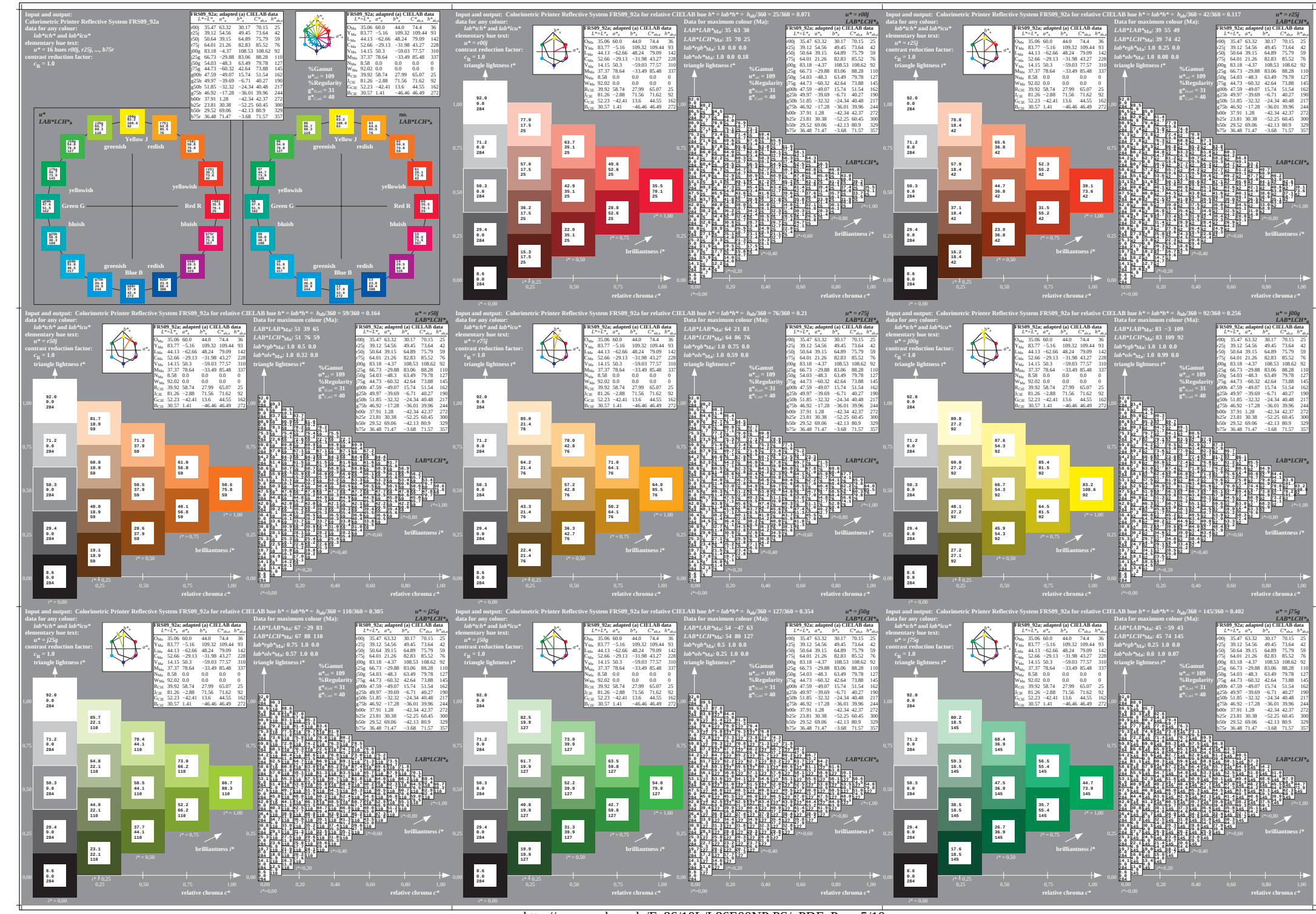
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ — $u^* = j50g$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j50g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −47 63
*LAB*LCH**$_{Ma}$: 54 80 127
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.25 1.0 0.0

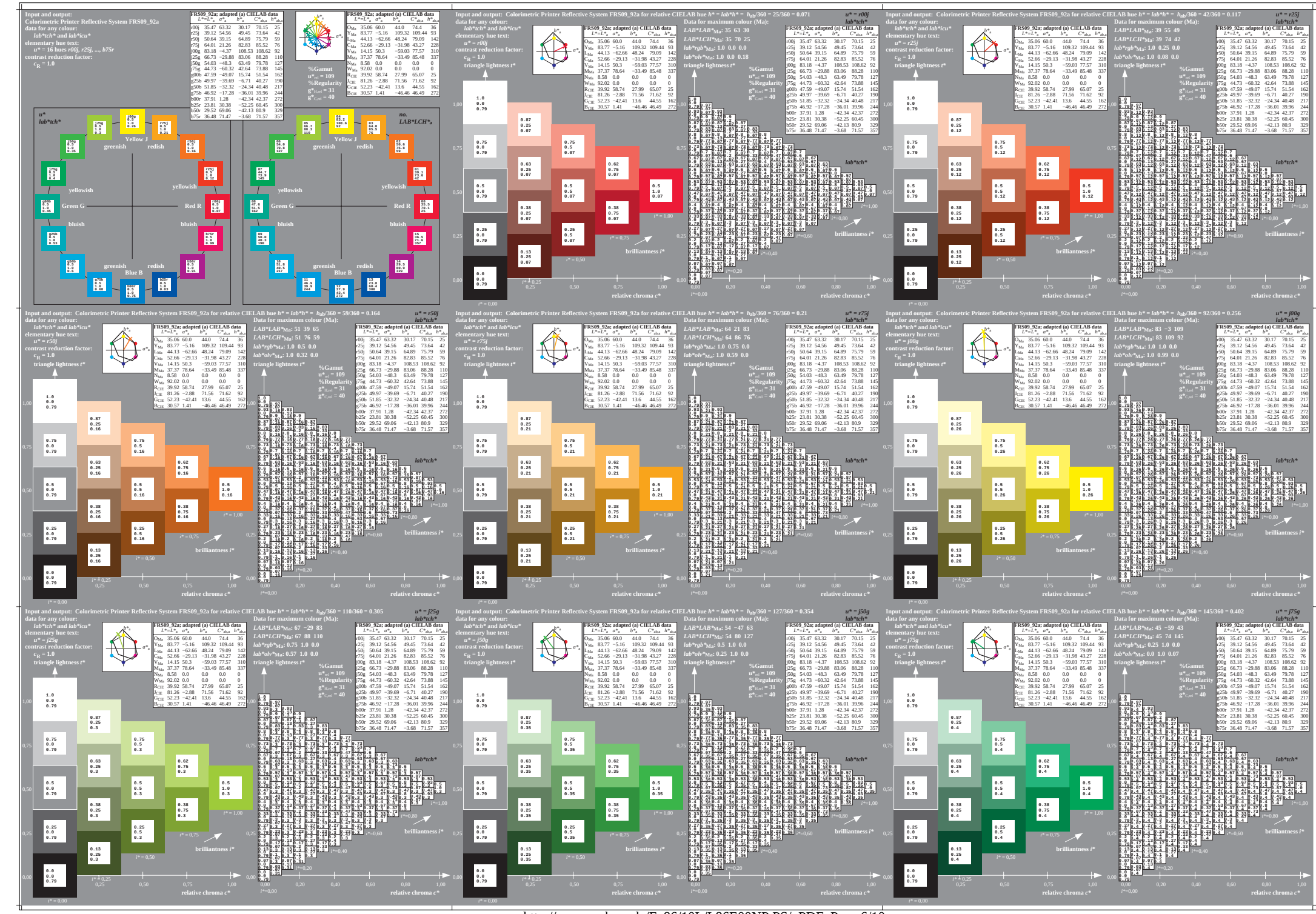


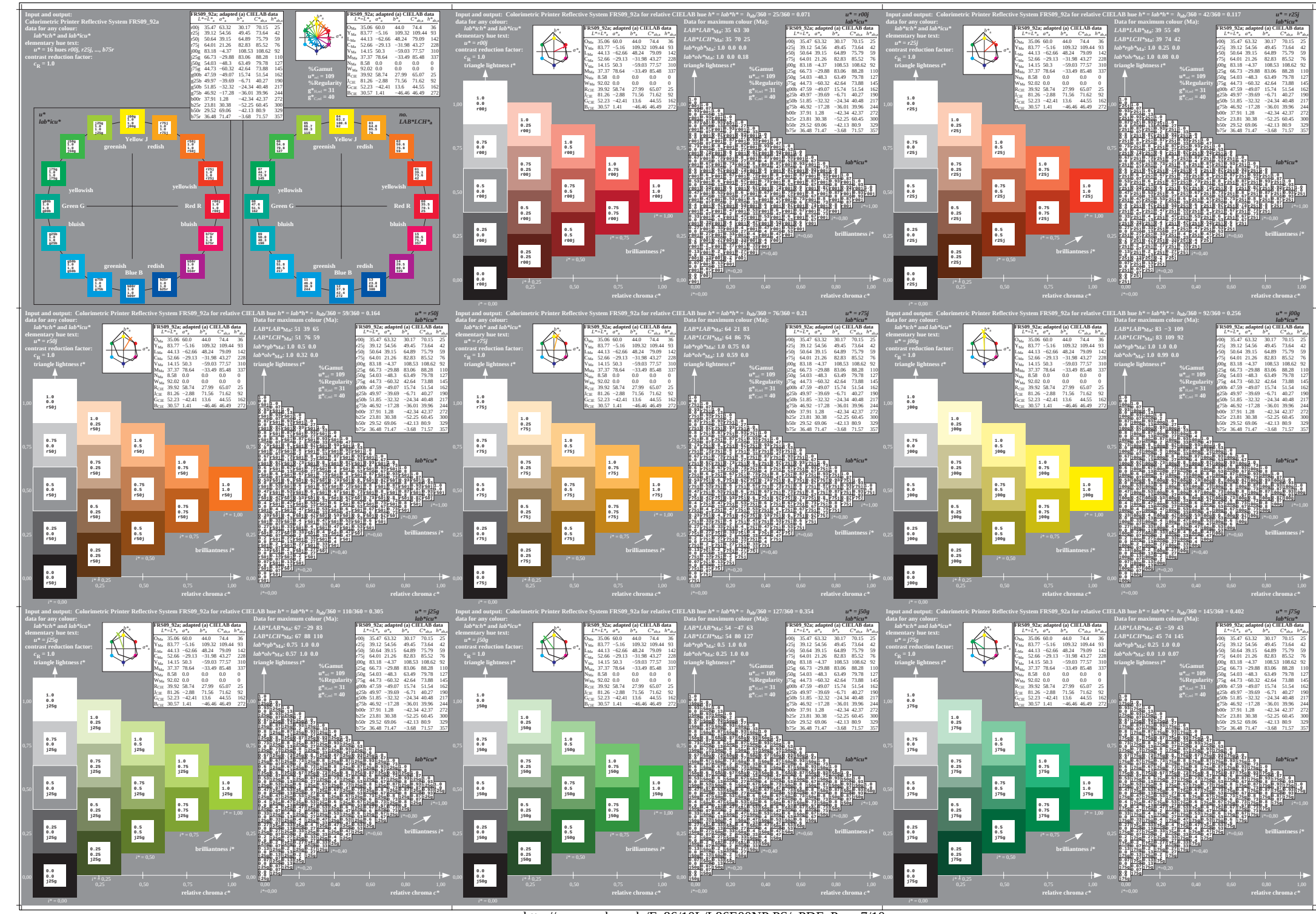
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ — $u^* = j75g$, *lab*rgb**
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = j75g$
contrast reduction factor: $c_R = 1.0$
triangle lightness 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*olv**$_{Ma}$: 0.0 1.0 0.07

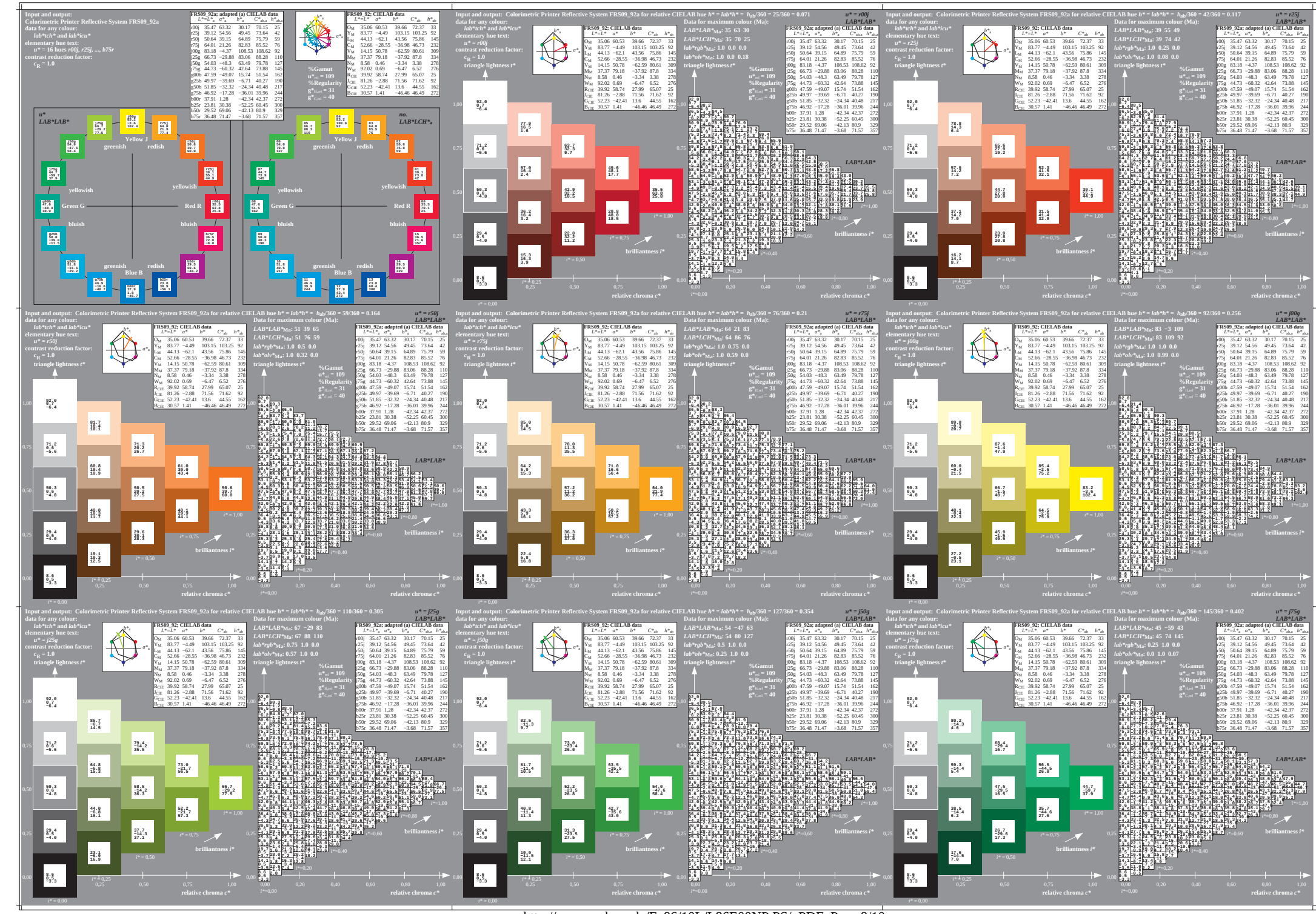


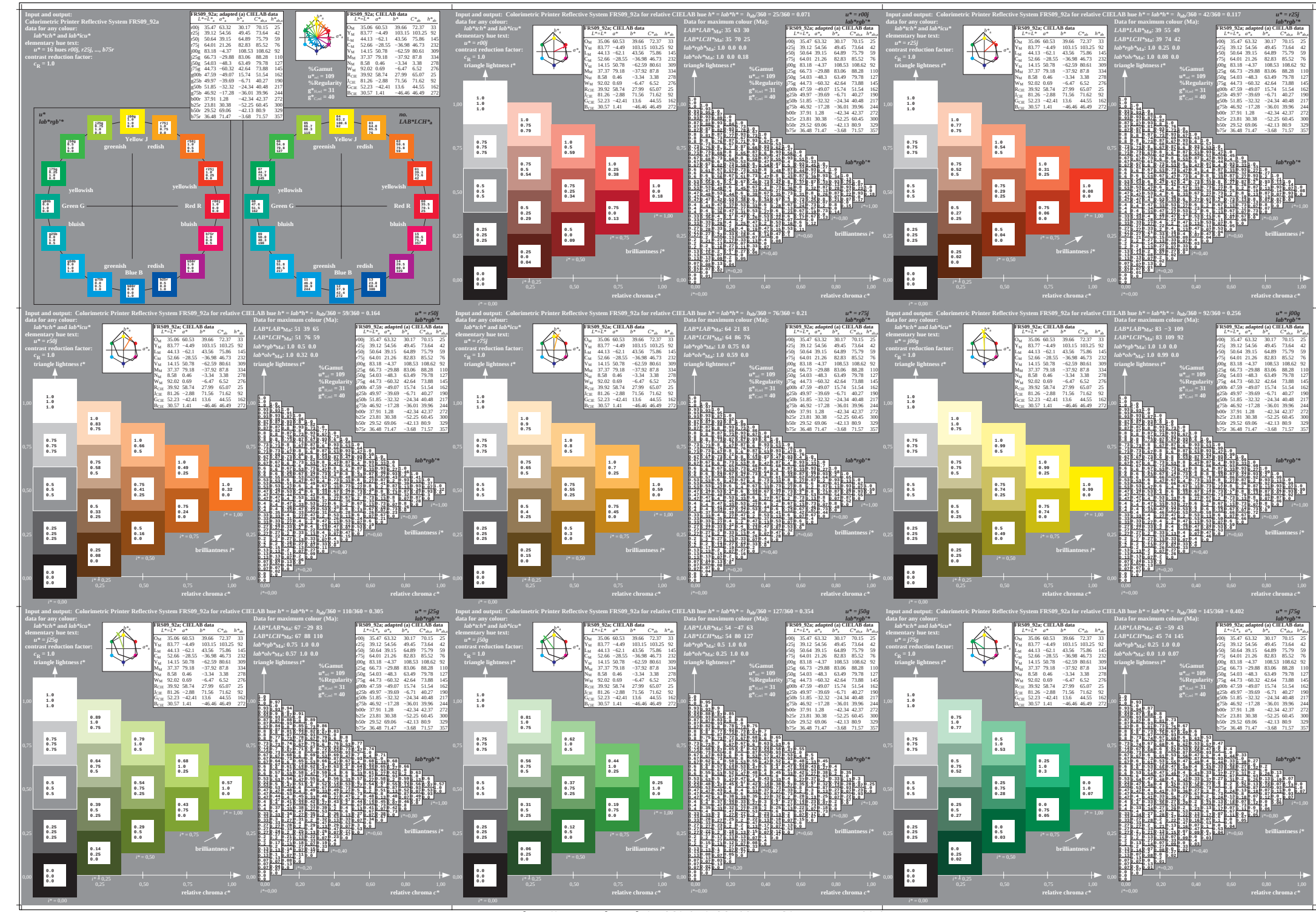

Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r60j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92a; adapted (a) CIELAB data
%Gamut
u*ref = 109
%Regularity
g*H,ref = 31
g*C,ref = 40
u* LAB*LAB*a
no. LAB*LCH*a
greenish
Yellow J
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071
u* = r60j
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 63 30
LAB*LCH*Ma: 35 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.18
triangle lightness i*
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117
u* = r25j
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 39 55 49
LAB*LCH*Ma: 39 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164
u* = r50j
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 39 65
LAB*LCH*Ma: 51 76 59
lab*rgb*Ma: 1.0 0.5 0.0
lab*olv*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21
u* = r75j
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 64 21 83
LAB*LCH*Ma: 64 86 76
lab*rgb*Ma: 1.0 0.75 0.0
lab*olv*Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 92/360 = 0.256
u* = j00g
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 83 −3 109
LAB*LCH*Ma: 83 109 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 110/360 = 0.305
u* = j25g
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 67 −29 83
LAB*LCH*Ma: 67 88 110
lab*rgb*Ma: 0.75 1.0 0.0
lab*olv*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354
u* = j50g
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 54 −47 63
LAB*LCH*Ma: 54 80 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402
u* = j75g
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 45 −59 43
LAB*LCH*Ma: 45 74 145
lab*rgb*Ma: 0.25 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.07

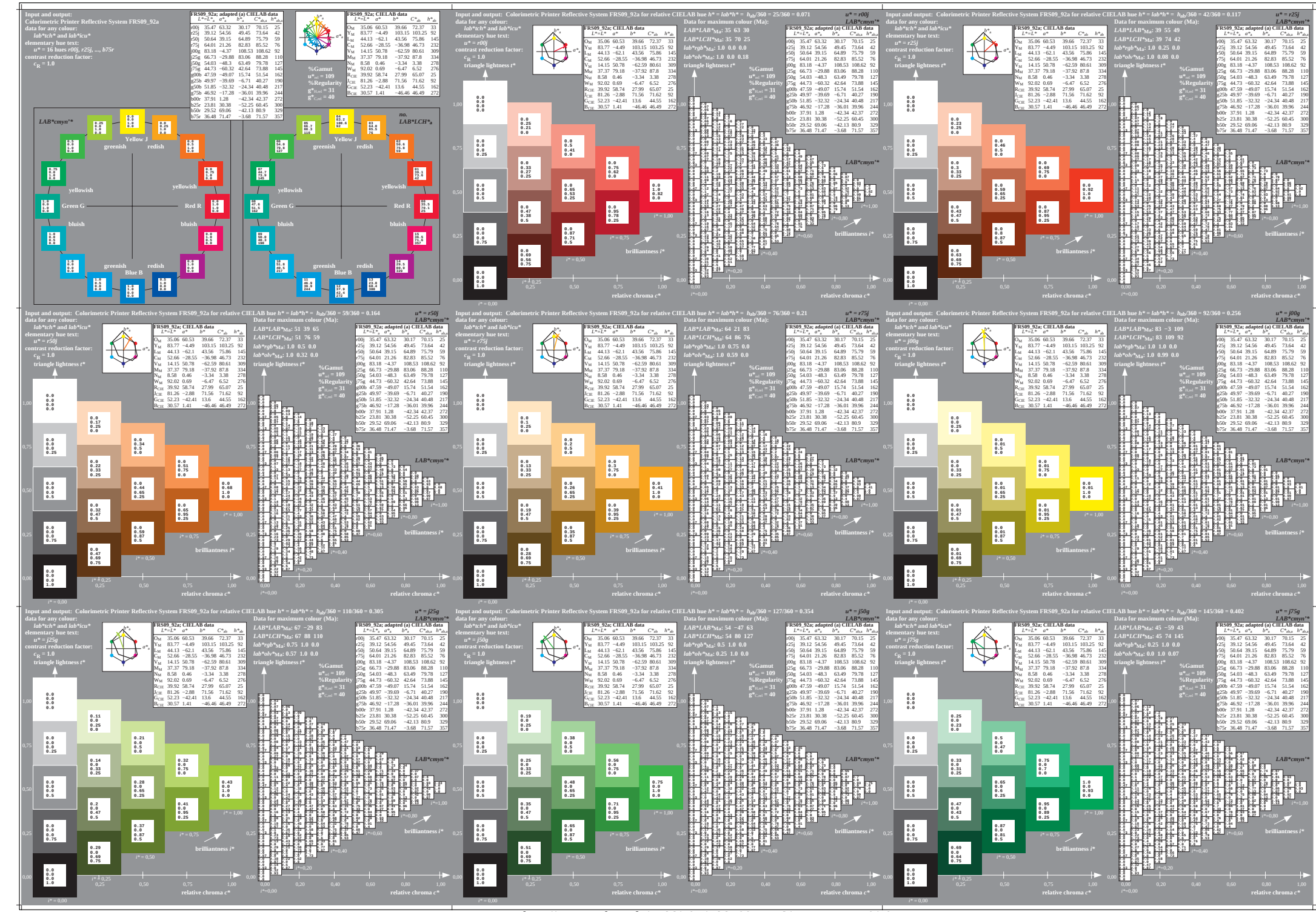

Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92a; adapted (a) CIELAB data
u* LAB*LCH*a
no. LAB*LCH*a
greenish
Yellow J
redish
yellowish
Green G
Red R
bluish
greenish
Blue B
redish
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.0 0.18
%Gamut u*rel = 109
%Regularity g*rLrel = 31 g*r,C,rel = 40
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/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*olv*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/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*olv*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/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*olv*Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/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*olv*Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/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*olv*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/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*olv*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/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*olv*Ma: 0.0 1.0 0.07
relative chroma c*
brilliantness i*


Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92a; adapted (a) CIELAB data
u*
lab*tch*
no.
LAB*LCH*n
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.0 0.18
u* = r00j
lab*tch*
%Gamut
u*Gmt = 109
%Regularity
g*R,reg = 31
g*C,reg = 40
triangle lightness i*
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.08 0.0
u* = r25j
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.32 0.0
u* = r50j
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.59 0.0
u* = r75j
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.99 0.0
u* = j00g
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 0.57 1.0 0.0
u* = j25g
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 0.25 1.0 0.0
u* = j50g
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 0.0 1.0 0.07
u* = j75g


Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92a; adapted (a) CIELAB data
%Gamut
%Regularity
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
u* lab*icu*
no. LAB*LCH*h
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.0 0.18
u* = r00j lab*icu*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.08 0.0
u* = r25j lab*icu*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.32 0.0
u* = r50j lab*icu*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.59 0.0
u* = r75j lab*icu*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.99 0.0
u* = j00g lab*icu*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 0.57 1.0 0.0
u* = j25g lab*icu*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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: 0.25 1.0 0.0
lab*olv*Ma: 0.25 1.0 0.0
u* = j50g lab*icu*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 0.0 1.0 0.07
u* = j75g lab*icu*
relative chroma c*
brilliantness i*


Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r09j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92a; adapted (a) CIELAB data
FRS09_92; CIELAB data
%Gamut
%Regularity
u*
LAB*LAB*
no.
LAB*LCH*h
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071
u* = r09j
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 63 30
LAB*LCH*Ma: 35 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.18
triangle lightness i*
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a 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: 0.25 1.0 0.0
lab*olv*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a 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*olv*Ma: 0.0 1.0 0.07


Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92a; adapted (a) CIELAB data
FRS09_92a; CIELAB data
%Gamut
u*col = 109
%Regularity
g*H,col = 31
g*C,col = 40
u* lab*rgb'*
no. LAB*LCH*h
greenish
Yellow J
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071
u* = r00j
lab*rgb'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 63 30
LAB*LCH*Ma: 35 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.18
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117
u* = r25j
lab*rgb'*
LAB*LAB*Ma: 39 55 49
LAB*LCH*Ma: 39 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164
u* = r50j
lab*rgb'*
LAB*LAB*Ma: 51 39 65
LAB*LCH*Ma: 51 76 59
lab*rgb*Ma: 1.0 0.5 0.0
lab*olv*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21
u* = r75j
lab*rgb'*
LAB*LAB*Ma: 64 21 83
LAB*LCH*Ma: 64 86 76
lab*rgb*Ma: 1.0 0.75 0.0
lab*olv*Ma: 1.0 0.59 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 92/360 = 0.256
u* = j00g
lab*rgb'*
LAB*LAB*Ma: 83 −3 109
LAB*LCH*Ma: 83 109 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.99 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 110/360 = 0.305
u* = j25g
lab*rgb'*
LAB*LAB*Ma: 67 −29 83
LAB*LCH*Ma: 67 88 110
lab*rgb*Ma: 0.75 1.0 0.0
lab*olv*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354
u* = j50g
lab*rgb'*
LAB*LAB*Ma: 54 −47 63
LAB*LCH*Ma: 54 80 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402
u* = j75g
lab*rgb'*
LAB*LAB*Ma: 45 −59 43
LAB*LCH*Ma: 45 74 145
lab*rgb*Ma: 0.25 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.07
relative chroma c*
brilliantness i*


Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS09_92a; adapted (a) CIELAB data
FRS09_92a; CIELAB data
%Gamut
u*ref = 109
%Regularity
g*H,ref = 31
g*C,ref = 40
LAB*cmyn'*
LAB*LCH*h
no.
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 25/360 = 0.071
u* = r00j
LAB*cmyn'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 63 30
LAB*LCH*Ma: 35 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.18
triangle lightness i*
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 42/360 = 0.117
u* = r25j
LAB*cmyn'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 39 55 49
LAB*LCH*Ma: 39 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.08 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 59/360 = 0.164
u* = r50j
LAB*cmyn'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 39 65
LAB*LCH*Ma: 51 76 59
lab*rgb*Ma: 1.0 0.5 0.0
lab*olv*Ma: 1.0 0.32 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 76/360 = 0.21
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LAB*cmyn'*
Data for maximum colour (Ma):
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lab*olv*Ma: 1.0 0.59 0.0
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u* = j00g
LAB*cmyn'*
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LAB*LCH*Ma: 83 109 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.99 0.0
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u* = j25g
LAB*cmyn'*
Data for maximum colour (Ma):
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lab*rgb*Ma: 0.75 1.0 0.0
lab*olv*Ma: 0.57 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 127/360 = 0.354
u* = j50g
LAB*cmyn'*
Data for maximum colour (Ma):
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lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.25 1.0 0.0
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue h* = lab*h* = hab/360 = 145/360 = 0.402
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Data for maximum colour (Ma):
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