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**

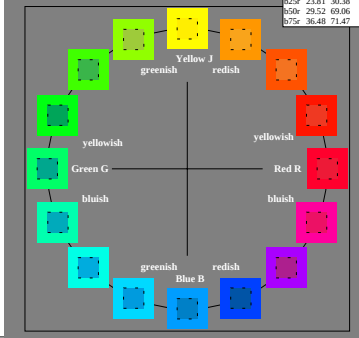
FRS09_92a; adapted (a) CIELAB data

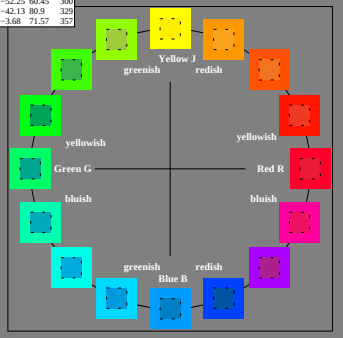
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	−4.37	108.53	108.62	92
j25g	66.73	−29.88	83.06	88.28	110
j50g	54.03	−48.3	63.49	79.78	127
j75g	44.73	−60.32	42.64	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^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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*

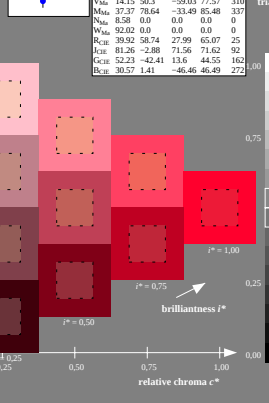
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = r00j*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

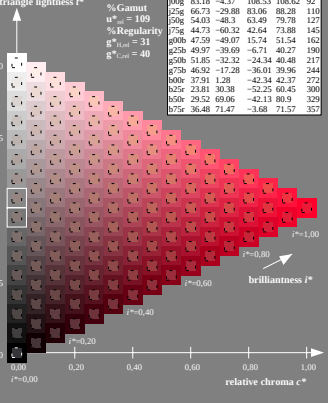
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 35 63 30**
***LAB*LCH*$_{Ma}$: 35 70 25**
***lab*rgb*$_{Ma}$: 1.0 0.0 0.0**
***lab*olv*$_{Ma}$: 1.0 0.0 0.18**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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 = 42/360 = 0.117** ***u** * = r25j*

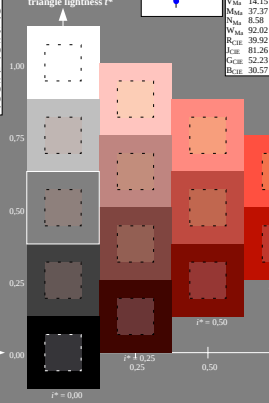
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = r25j*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

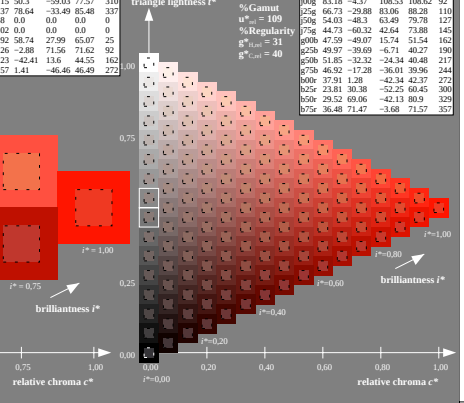
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 39 55 49**
***LAB*LCH*$_{Ma}$: 39 74 42**
***lab*rgb*$_{Ma}$: 1.0 0.25 0.0**
***lab*olv*$_{Ma}$: 1.0 0.08 0.0**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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 = 59/360 = 0.164** ***u** * = r50j*

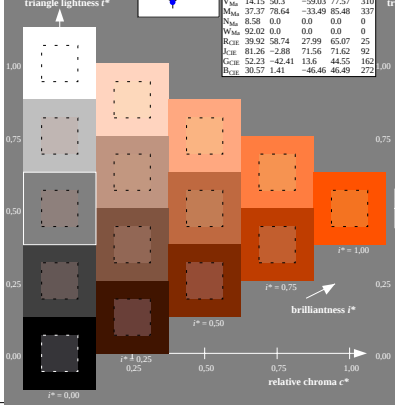
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = r50j*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

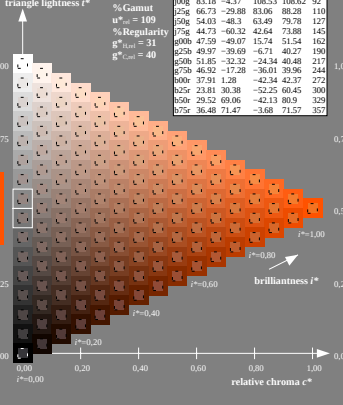
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 51 39 65**
***LAB*LCH*$_{Ma}$: 51 76 59**
***lab*rgb*$_{Ma}$: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$: 1.0 0.32 0.0**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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 = 76/360 = 0.21** ***u** * = r75j*

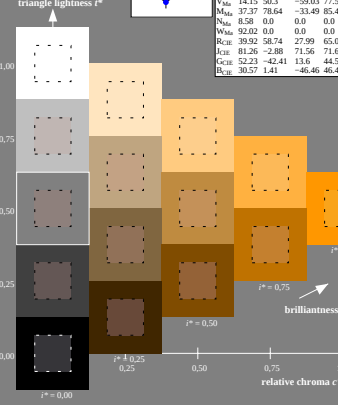
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = r75j*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

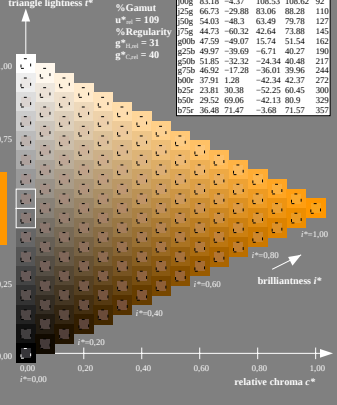
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 64 21 83**
***LAB*LCH*$_{Ma}$: 64 86 76**
***lab*rgb*$_{Ma}$: 1.0 0.75 0.0**
***lab*olv*$_{Ma}$: 1.0 0.59 0.0**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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 = 92/360 = 0.256** ***u** * = j00g*

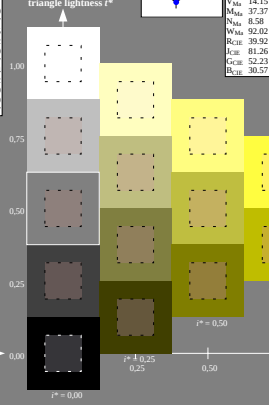
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = j00g*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

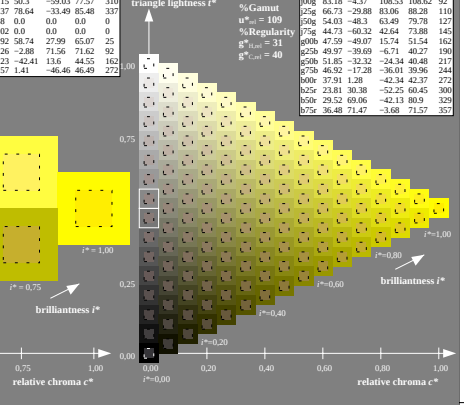
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 83 −3 109**
***LAB*LCH*$_{Ma}$: 83 109 92**
***lab*rgb*$_{Ma}$: 1.0 1.0 0.0**
***lab*olv*$_{Ma}$: 1.0 0.99 0.0**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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 = 110/360 = 0.305** ***u** * = j25g*

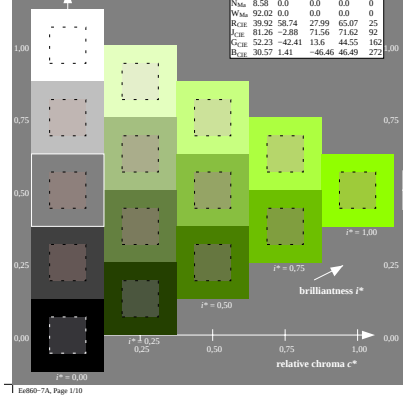
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = j25g*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

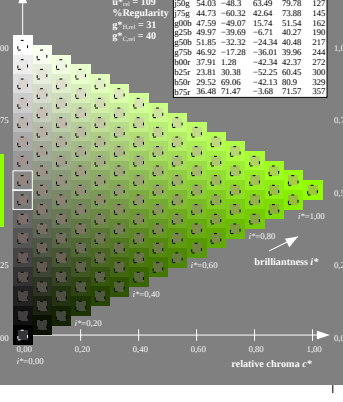
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 67 −29 83**
***LAB*LCH*$_{Ma}$: 67 88 110**
***lab*rgb*$_{Ma}$: 0.75 1.0 0.0**
***lab*olv*$_{Ma}$: 0.57 1.0 0.0**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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 = 127/360 = 0.354** ***u** * = j50g*

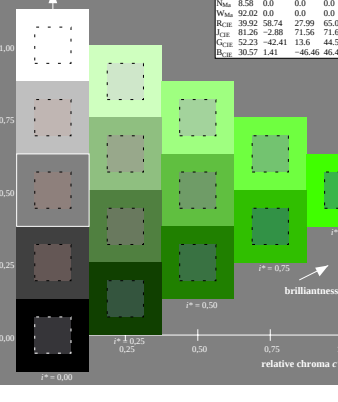
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = j50g*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

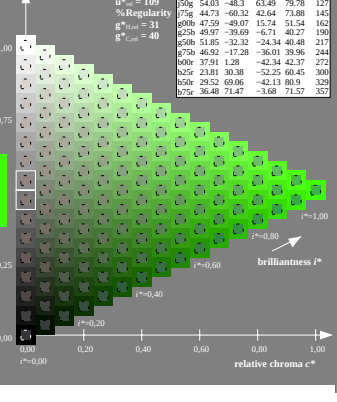
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 54 −47 63**
***LAB*LCH*$_{Ma}$: 54 80 127**
***lab*rgb*$_{Ma}$: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$: 0.25 1.0 0.0**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 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 = 145/360 = 0.402** ***u** * = j75g*

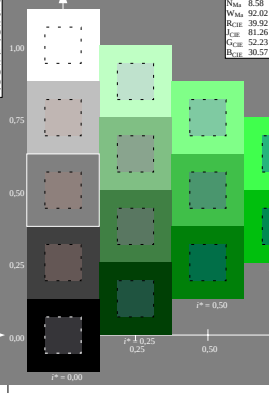
data for any colour:
lab*tch **and** ***lab*icu***
elementary hue text:
***u** * = j75g*
contrast reduction factor:
c_R **= 1.0**
triangle lightness ***t****

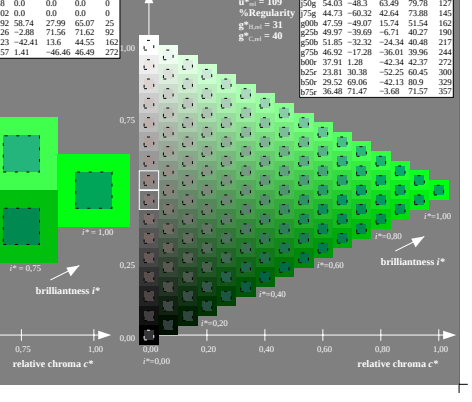
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 45 −59 43**
***LAB*LCH*$_{Ma}$: 45 74 145**
***lab*rgb*$_{Ma}$: 0.25 1.0 0.0**
***lab*olv*$_{Ma}$: 0.0 1.0 0.07**
triangle lightness ***t****

%Gamut
u^*_{gat} **= 109**
%Regularity
$g^*_{R,tol}$ **= 31**
$g^*_{C,tol}$ **= 40**

FRS09_92a; adapted (a) CIELAB data

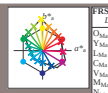
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	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





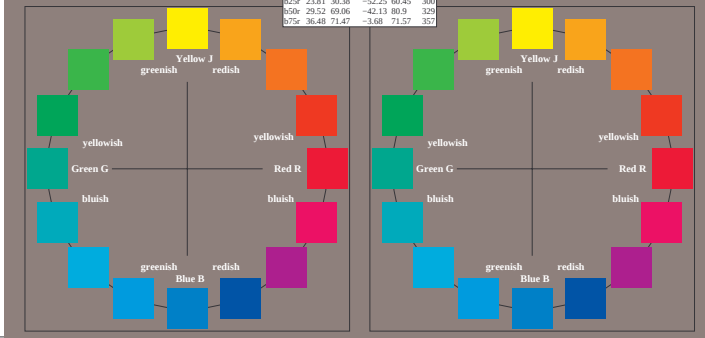
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab**tch **and** ***lab**icu***
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
c_R **= 1.0**

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

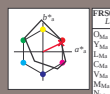
%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 40**



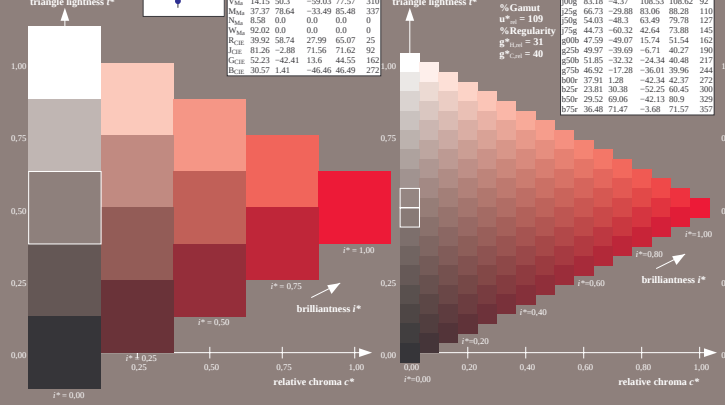
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue ***h* = lab*h* =*** $h_{ab}/360 = 25/360 = 0.071$ ***u* = r00j***
data for any colour:
lab**tch **and** ***lab**icu***
elementary hue text:
u* = r00j
contrast reduction factor:
c_R **= 1.0**
triangle lightness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

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



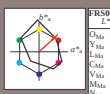
%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 40**



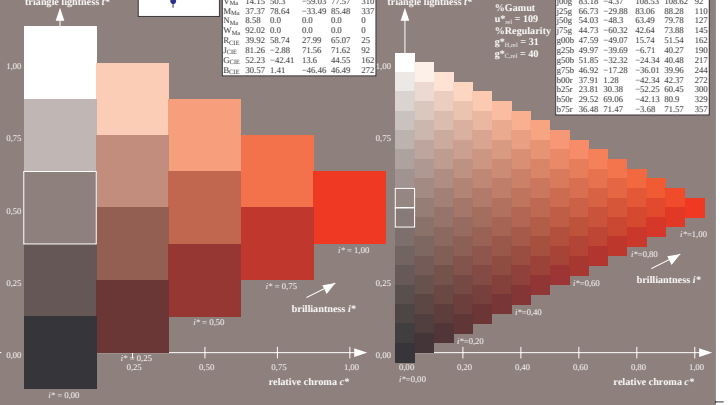
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue ***h* = lab*h* =*** $h_{ab}/360 = 42/360 = 0.117$ ***u* = r25j***
data for any colour:
lab**tch **and** ***lab**icu***
elementary hue text:
u* = r25j
contrast reduction factor:
c_R **= 1.0**
triangle lightness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

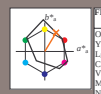
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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



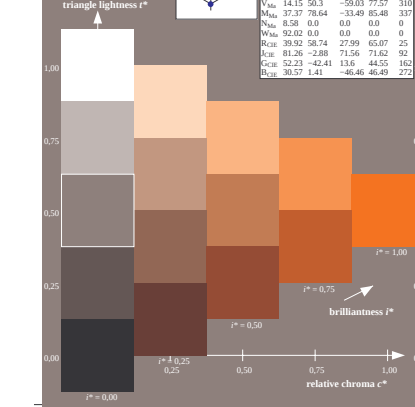
%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 40**



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue ***h* = lab*h* =*** $h_{ab}/360 = 59/360 = 0.164$ ***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****



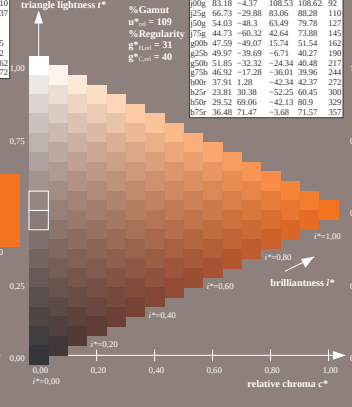
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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



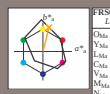
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 51 39 65**
***LAB*LCH*Ma*: 51 76 59**
***lab*rgb*Ma*: 1.0 0.5 0.0**
***lab*olv*Ma*: 1.0 0.32 0.0**

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

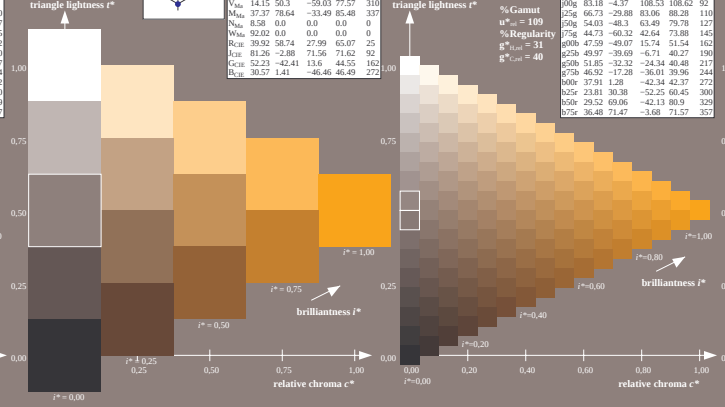
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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* =*** $h_{ab}/360 = 76/360 = 0.21$ ***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****



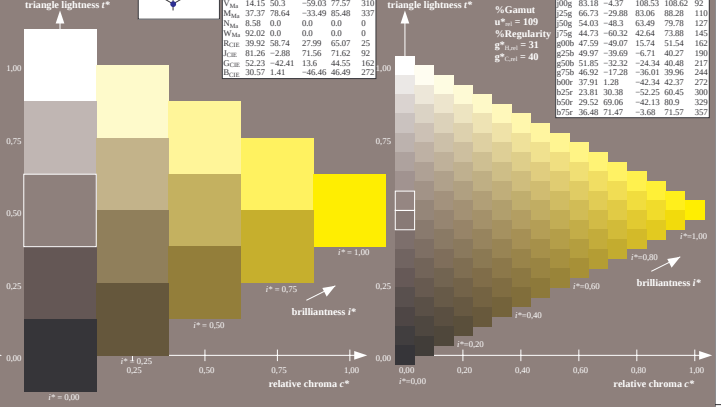
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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



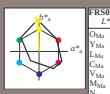
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 64 21 83**
***LAB*LCH*Ma*: 64 86 76**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.59 0.0**

%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 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* =*** $h_{ab}/360 = 92/360 = 0.256$ ***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****

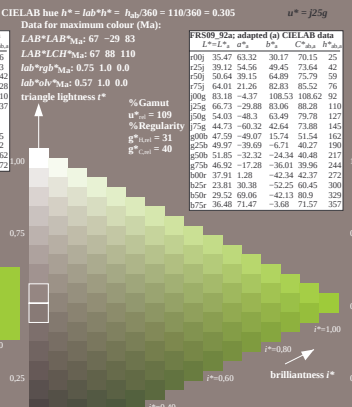


FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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**

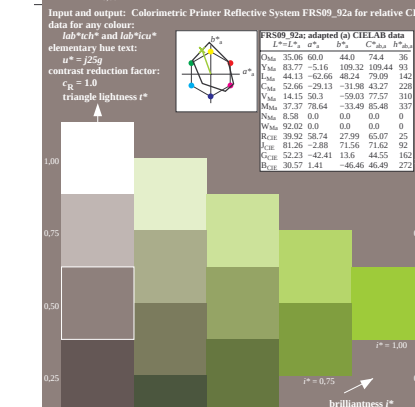
%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 40**

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* =*** $h_{ab}/360 = 110/360 = 0.305$ ***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



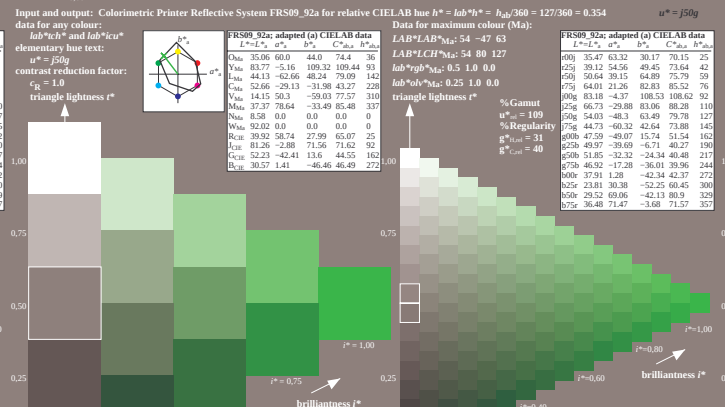
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 67 −29 83**
***LAB*LCH*Ma*: 67 88 110**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.57 1.0 0.0**

%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 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* =*** $h_{ab}/360 = 127/360 = 0.354$ ***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****

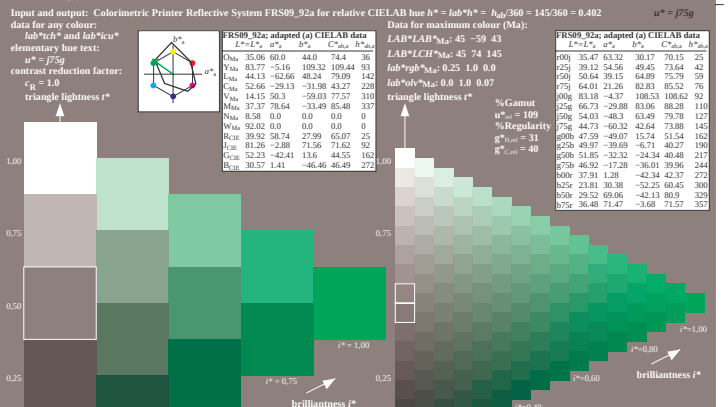
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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**

%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 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* =*** $h_{ab}/360 = 145/360 = 0.402$ ***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**

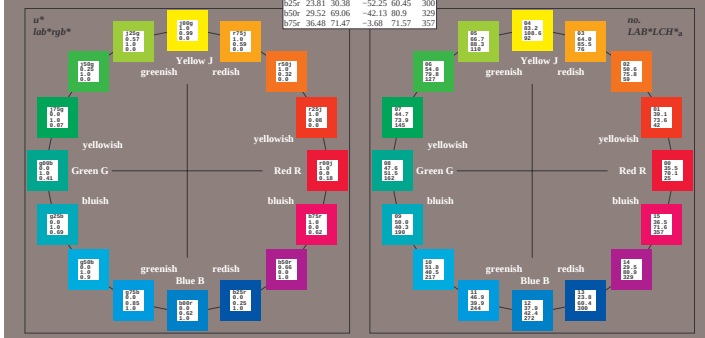
%Gamut
u^*_{col} **= 109**
%Regularity
$g^*_{R,col}$ **= 31**
$g^*_{C,col}$ **= 40**

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
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
y00g	83.18	−4.37	108.53	108.62	92
y25g	66.73	−29.88	83.06	88.28	110
y50g	54.03	−48.3	63.49	79.78	127
y75g	44.73	−60.32	42.64	73.88	145
g00b	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

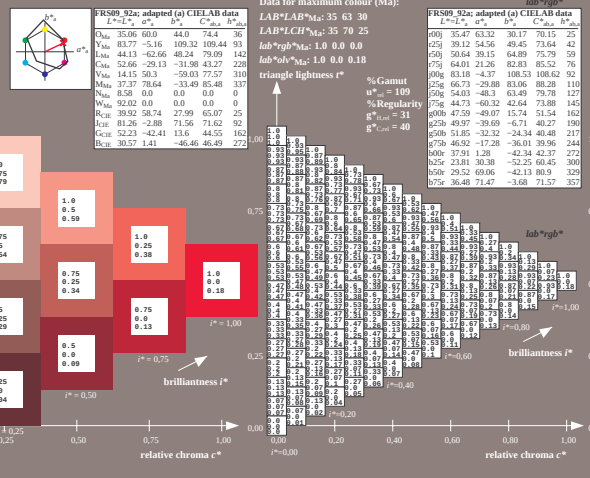
%Gamut
$u^*_{ab,i}$ = 109
%Regularity
$g^*_{R,int}$ = 31
$g^*_{C,int}$ = 40



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*, ***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**

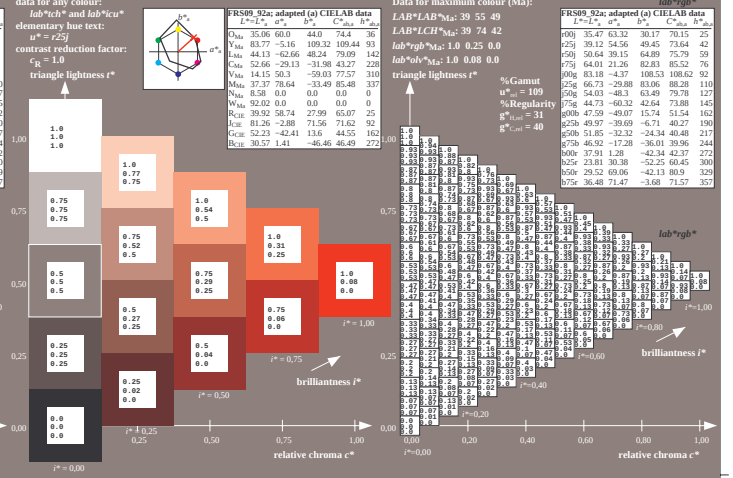
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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 $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ — ***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**

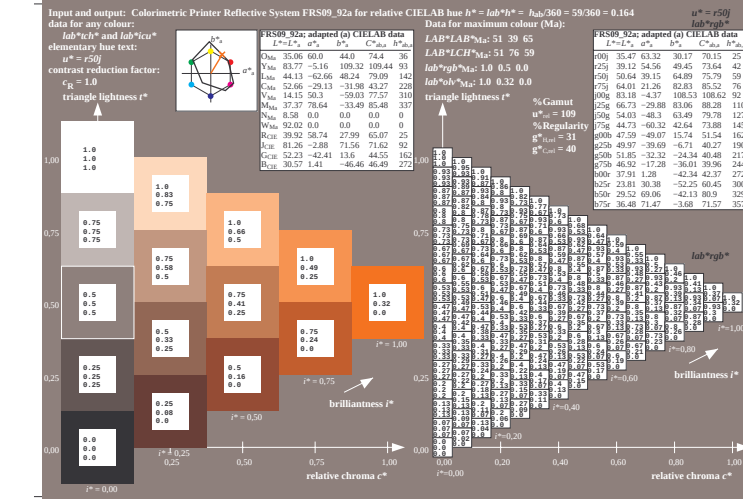
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ — ***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**

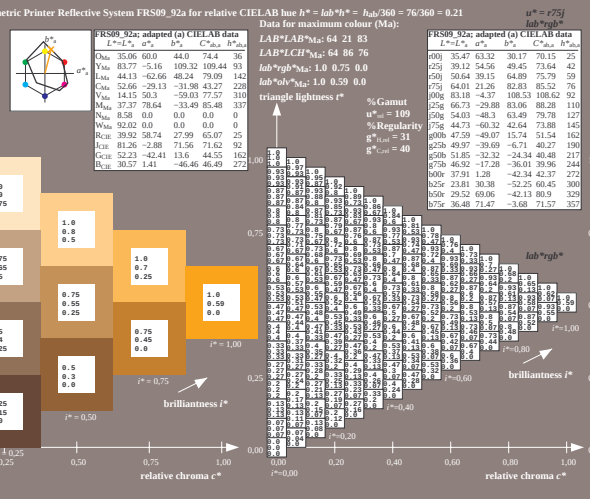
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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 $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ — ***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**

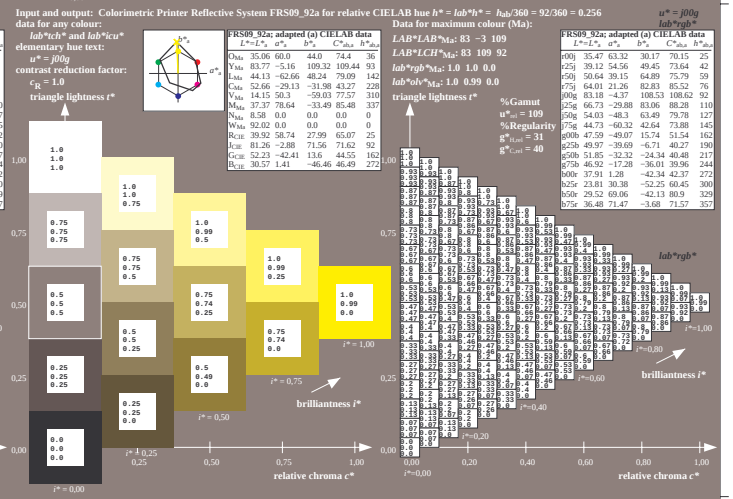
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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 $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ — ***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**

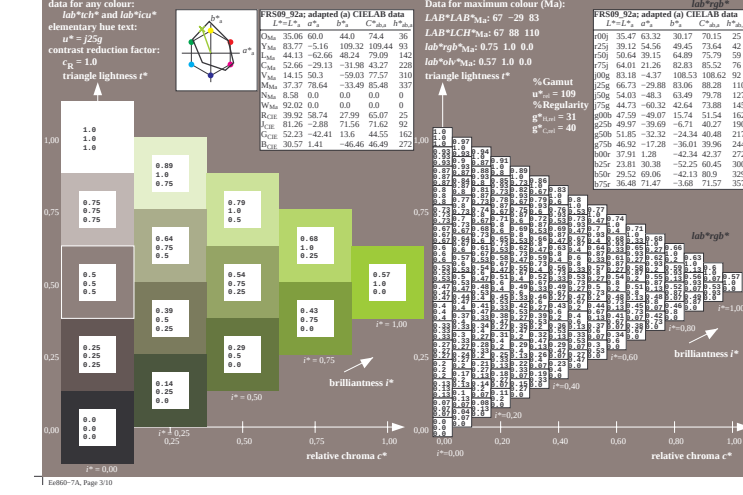
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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 $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ — ***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**

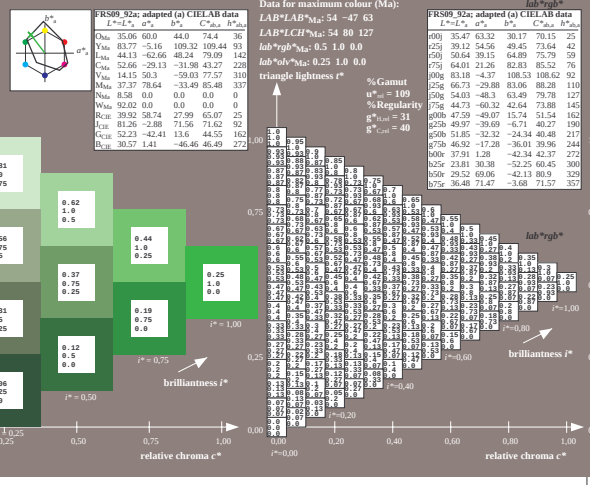
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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 $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ — ***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*$_{Ma}$: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$: 0.25 1.0 0.0**

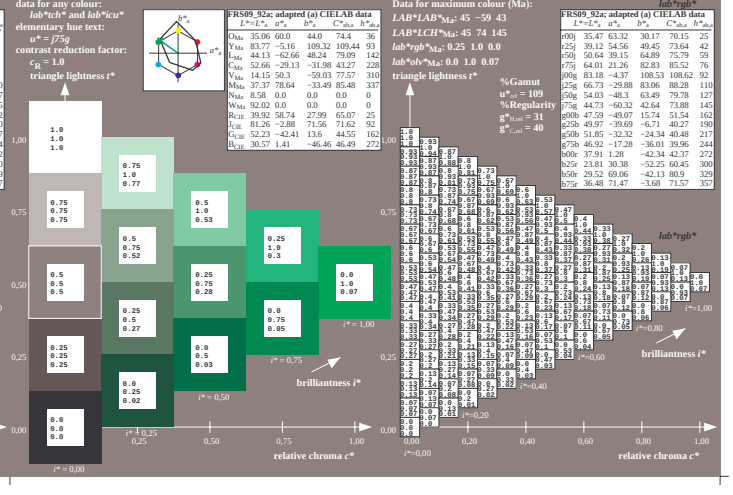
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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 $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ — ***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**

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

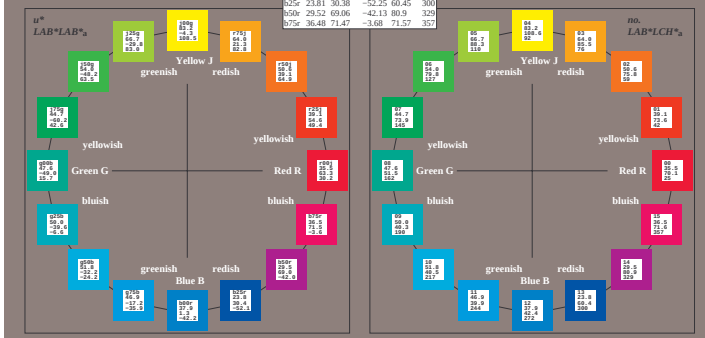


Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

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
y00g	83.18	−4.37	108.53	108.62	92
y25g	66.73	−29.88	83.06	88.28	110
y50g	54.03	−48.3	63.49	79.78	127
y75g	44.73	−60.32	42.64	73.88	145
g00b	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357

%Gamut
u^*_{sat} = 109
%Regularity
$g^*_{R,rel}$ = 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_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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

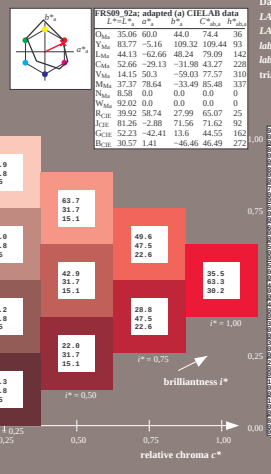


Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 25/360 = 0.071** — ***u* = r00j LAB*LAB*a***

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**

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



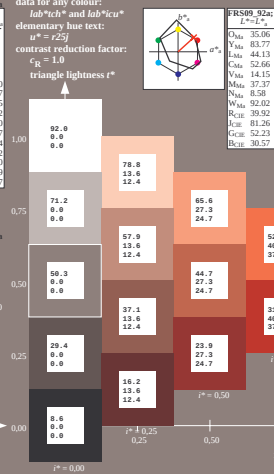
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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 = 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:
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**

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



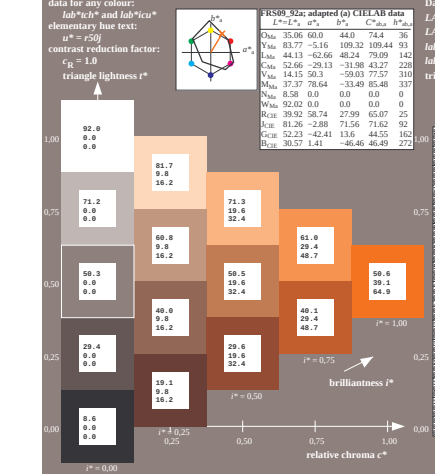
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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 = 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:
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**

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



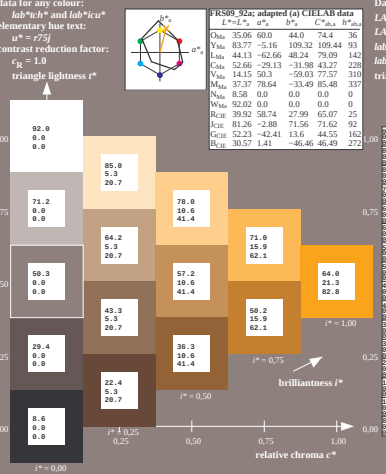
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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 = 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:
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**

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



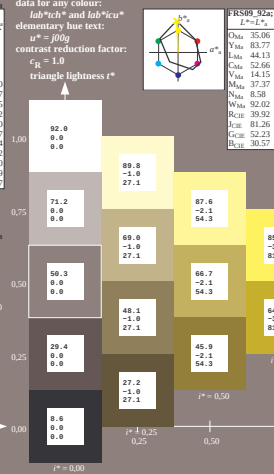
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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 = 92/360 = 0.256** — ***u* = j00g LAB*LAB*a***

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**

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



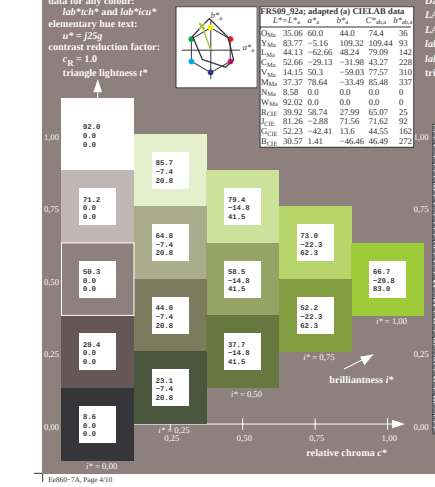
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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 = 110/360 = 0.305** — ***u* = j25g LAB*LAB*a***

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**

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



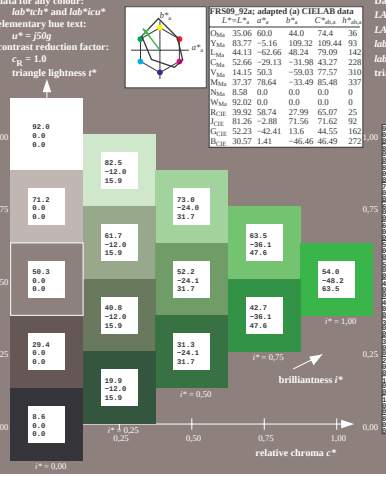
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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 = 127/360 = 0.354** — ***u* = j50g LAB*LAB*a***

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**

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



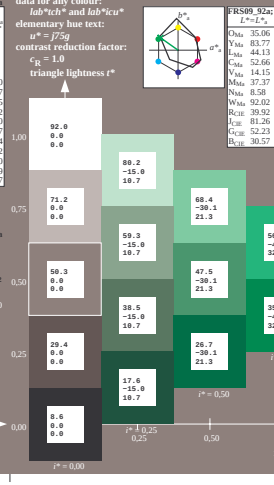
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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 = 145/360 = 0.402** — ***u* = j75g LAB*LAB*a***

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**

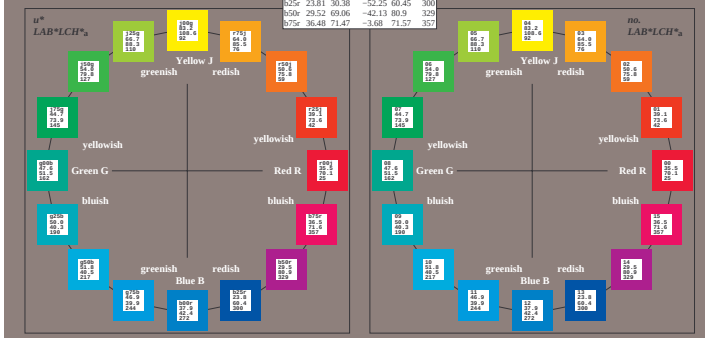
%Gamut
u^*_{sat} = 109
%Regularity
$g^*_{R,rel}$ = 31
$g^*_{C,rel}$ = 40



FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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
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
y00g	83.18	−4.37	108.53	108.62	92
y25g	66.73	−29.88	83.06	88.28	110
y50g	54.03	−48.3	63.49	79.78	127
y75g	44.73	−60.32	42.64	73.88	145
g00b	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357



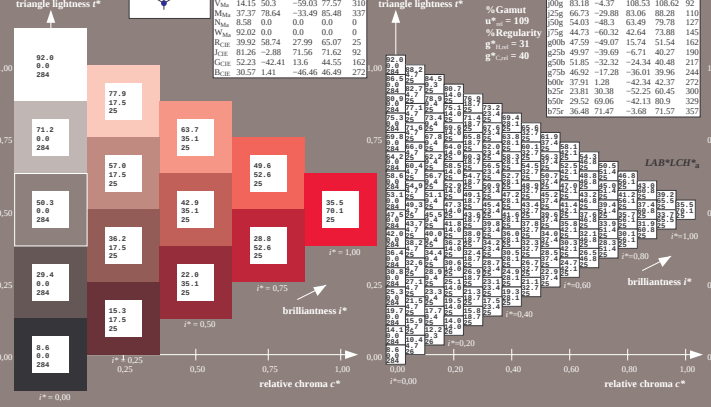
FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	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^*_{sat} = 109
%Regularity $g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92a; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.16	109.32	109.44	93
L_{Ma}	44.13	−62.66	48.24	79.09	142
C_{Ma}	52.66	−29.13	−31.98	43.27	228
V_{Ma}	14.15	50.3	−59.03	77.57	310
M_{Ma}	37.37	78.64	−33.49	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

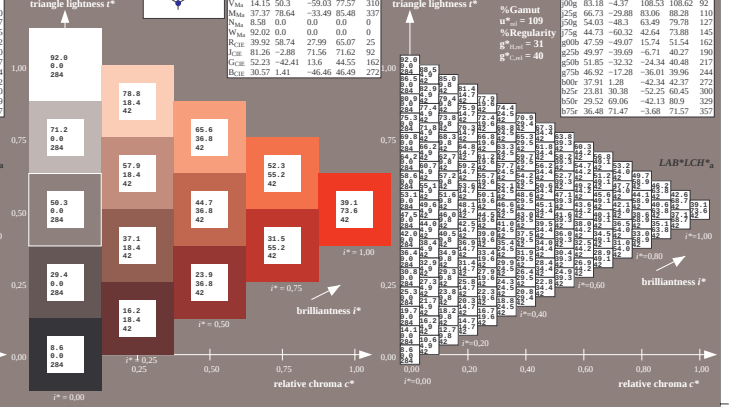
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$
data for any colour: ***u* = r00j***
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

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**



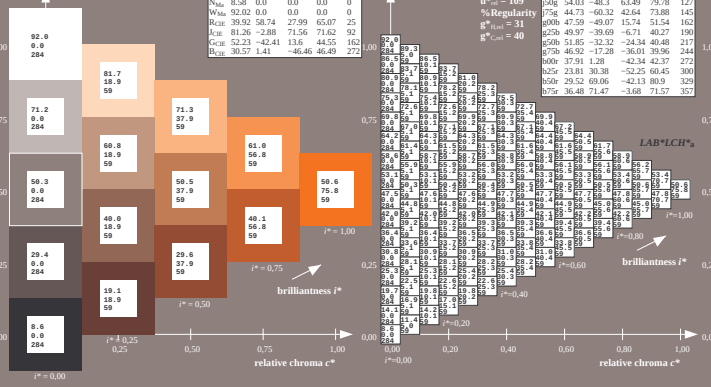
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$
data for any colour: ***u* = r25j***
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

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**



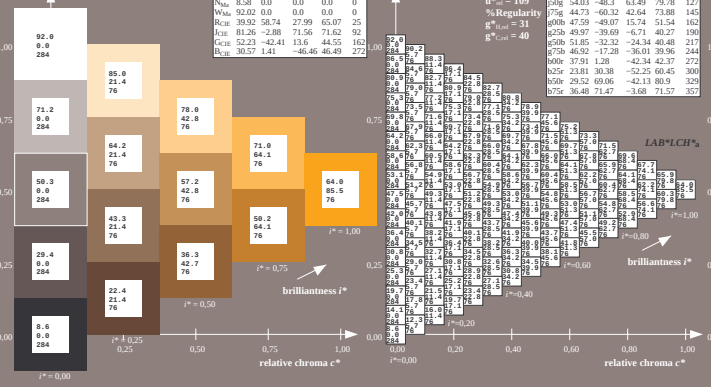
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$
data for any colour: ***u* = r50j***
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

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**



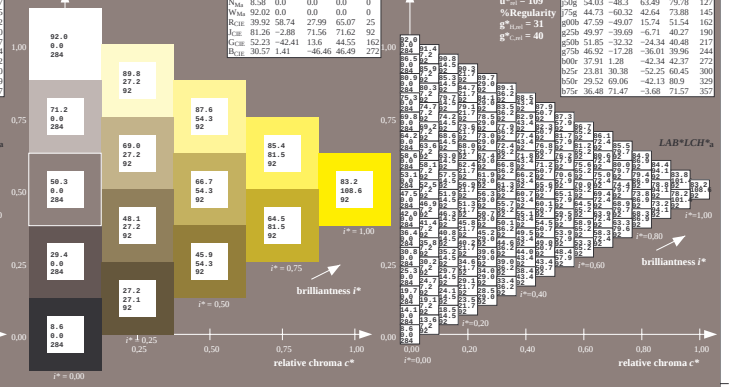
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$
data for any colour: ***u* = r75j***
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

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**



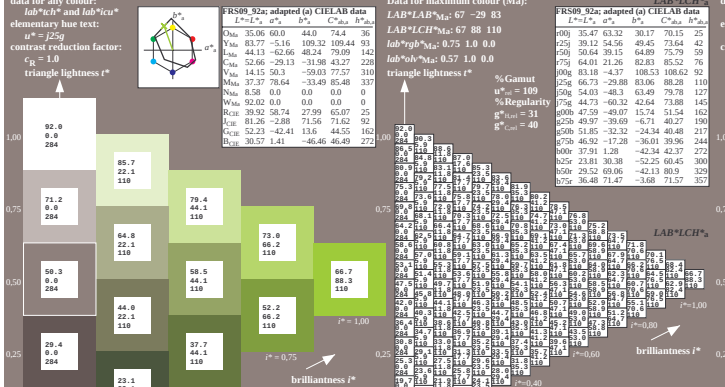
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$
data for any colour: ***u* = j00g***
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

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**



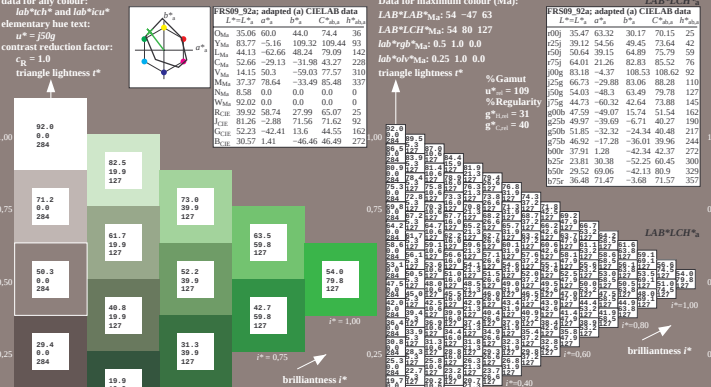
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$
data for any colour: ***u* = j25g***
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

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**



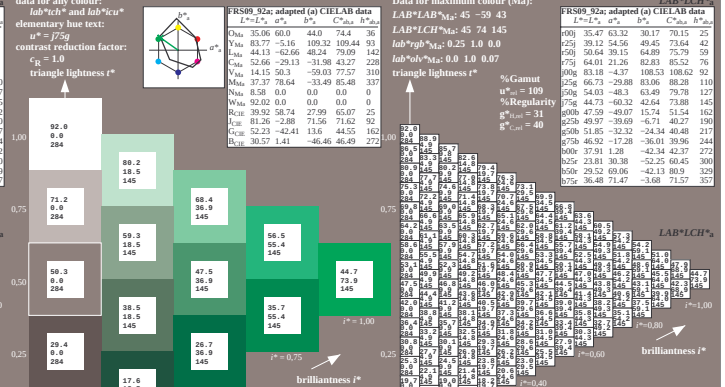
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$
data for any colour: ***u* = j50g***
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$
data for any colour: ***u* = j75g***
lab*tch* and lab*icu*
elementary hue text:
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:
$c_R = 1.0$

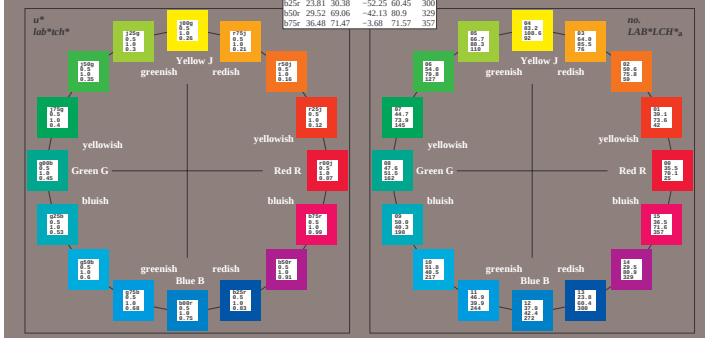
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

FRS09_92a; adapted (a) CIELAB data

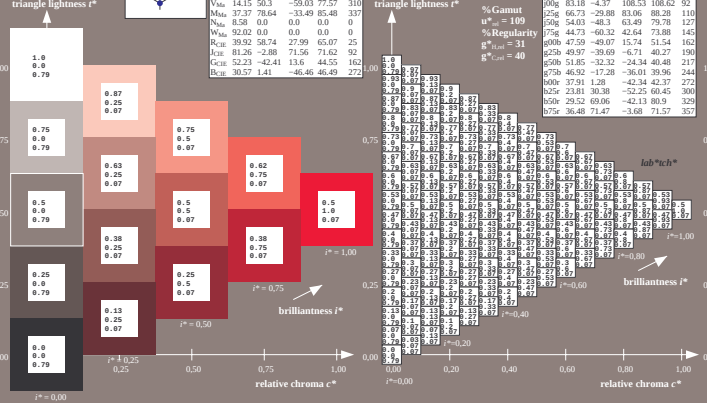
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	92.02	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^*_{sat} = 109
%Regularity $g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40



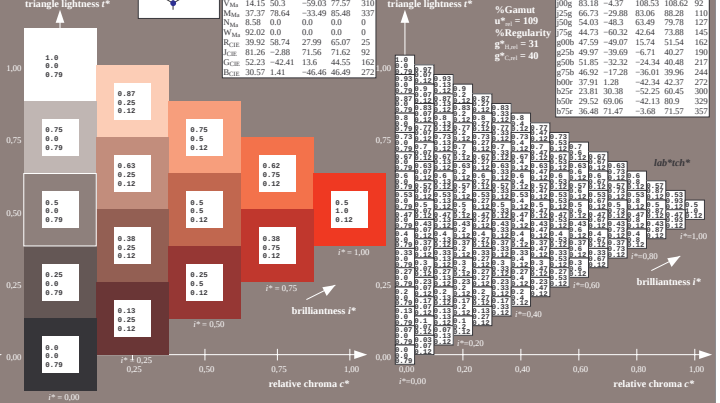
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ — ***u* = r00j***, ***lab*tch****

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**



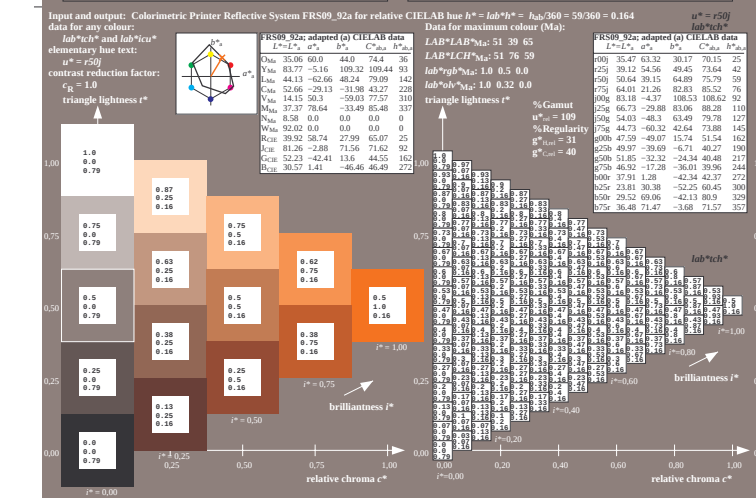
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ — ***u* = r25j***, ***lab*tch****

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**



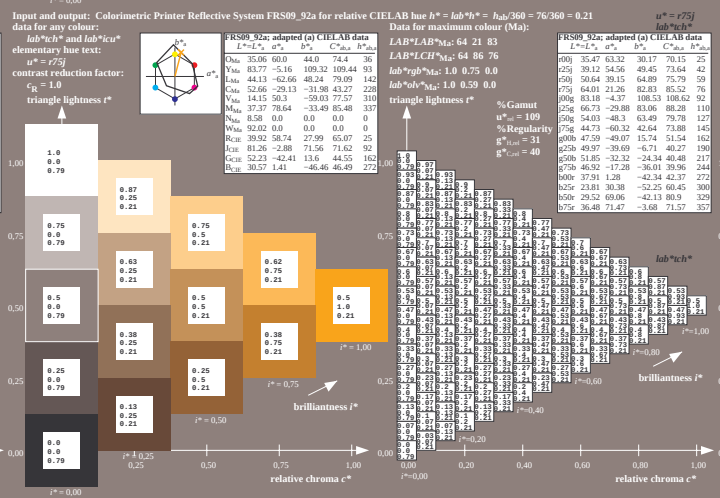
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ — ***u* = r50j***, ***lab*tch****

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**



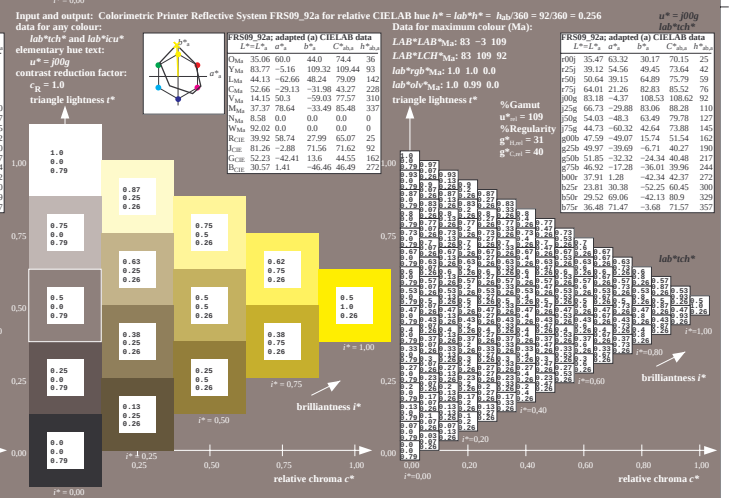
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ — ***u* = r75j***, ***lab*tch****

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**



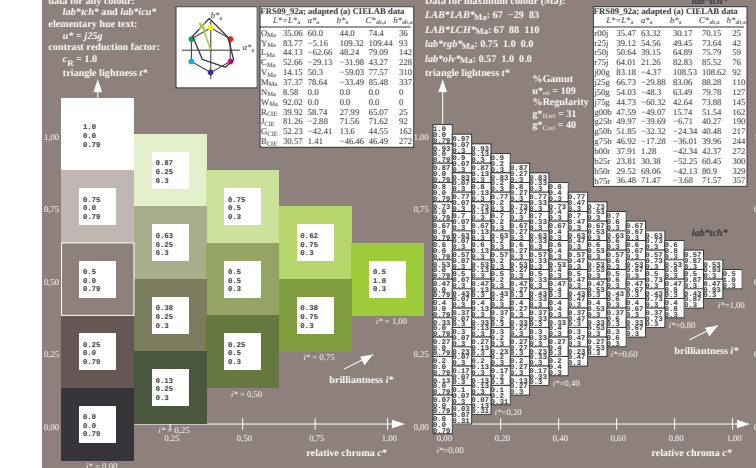
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ — ***u* = j00g***, ***lab*tch****

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**



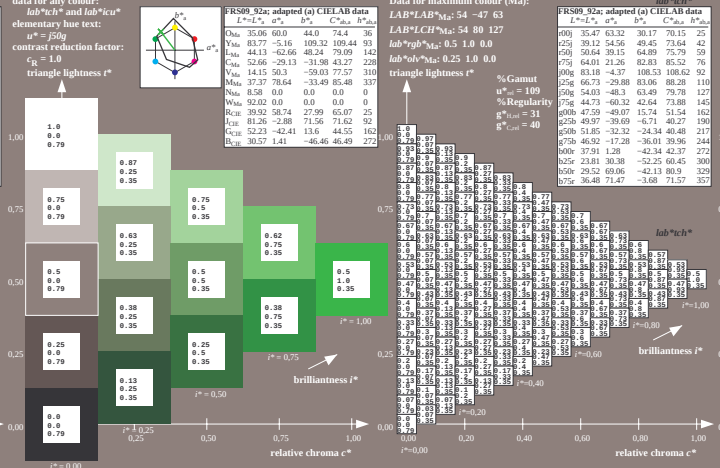
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ — ***u* = j25g***, ***lab*tch****

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**



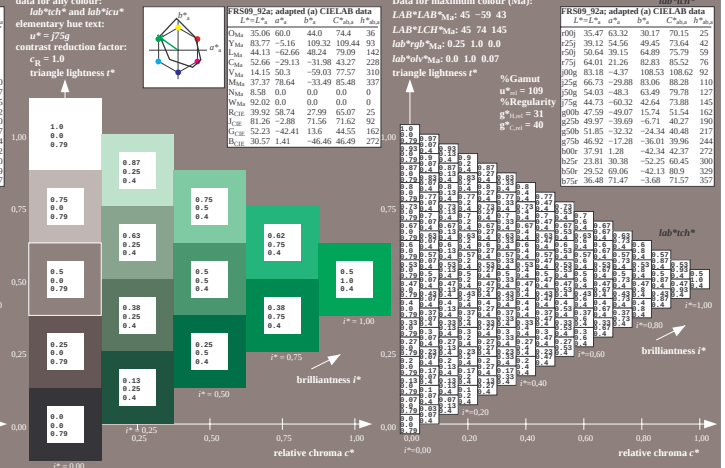
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ — ***u* = j50g***, ***lab*tch****

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***, ***lab*tch****

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

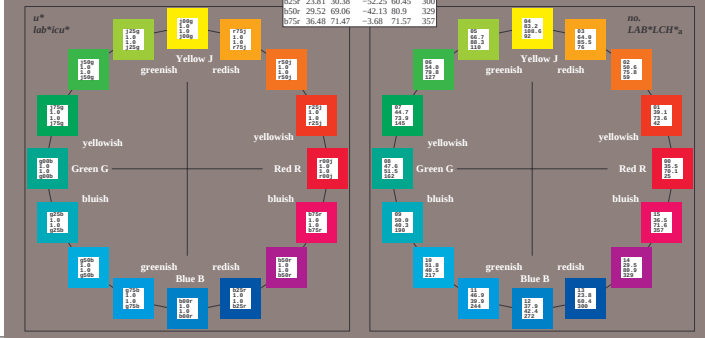
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	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^*_{sat} = 109
%Regularity
$g^*_{R,rel}$ = 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_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



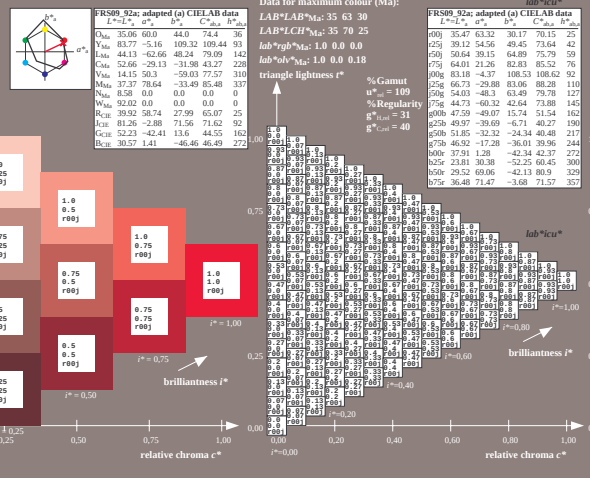
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 25/360 = 0.071**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = r00j
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = r00j
lab**icu

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**

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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



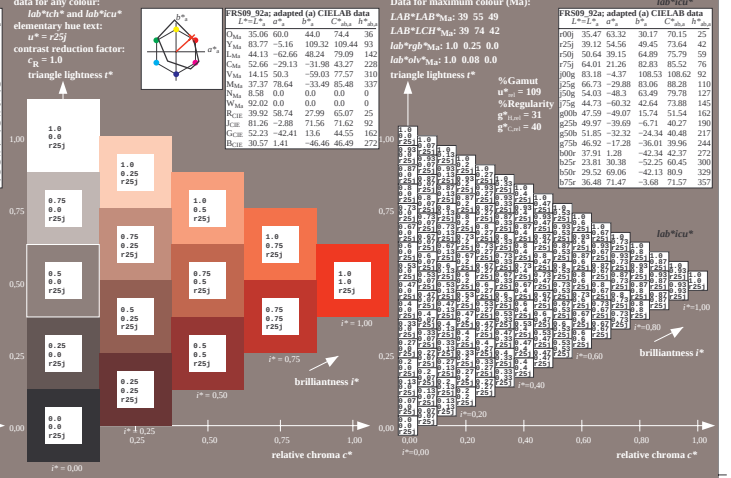
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 42/360 = 0.117**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = r25j
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = r25j
lab**icu

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**

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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



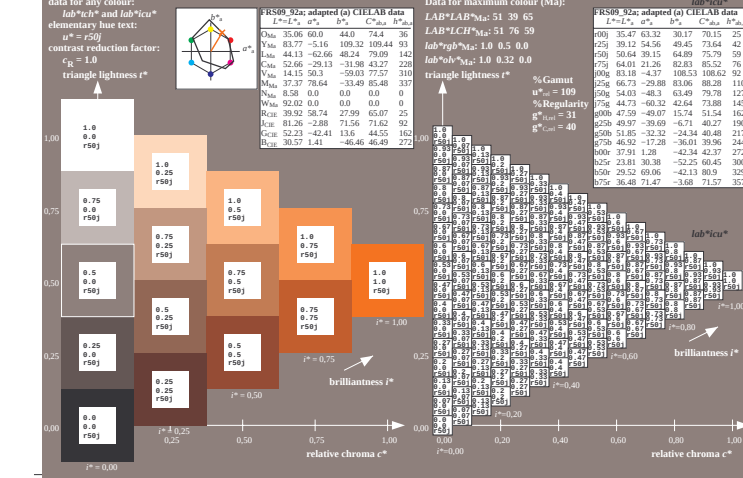
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 59/360 = 0.164**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = r50j
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = r50j
lab**icu

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**

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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



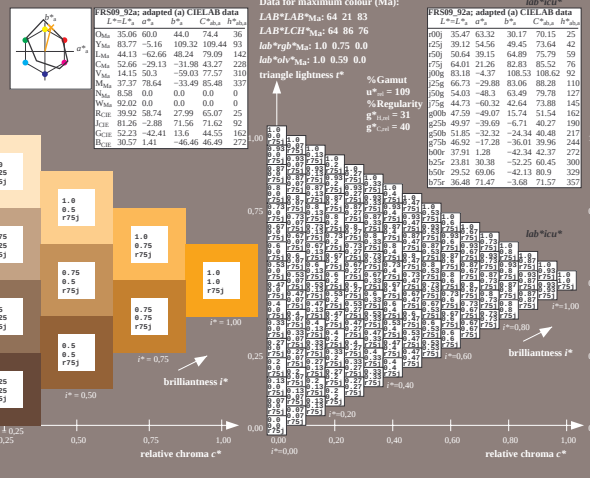
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 76/360 = 0.21**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = r75j
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = r75j
lab**icu

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**

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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



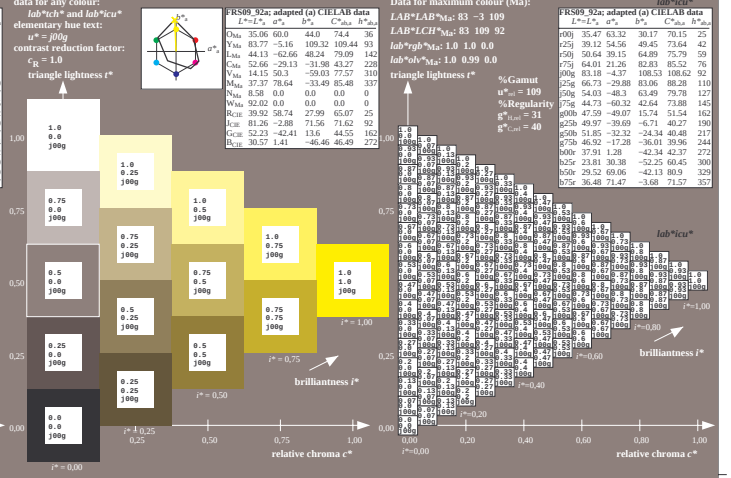
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 92/360 = 0.256**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = j00g
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = j00g
lab**icu

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**

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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



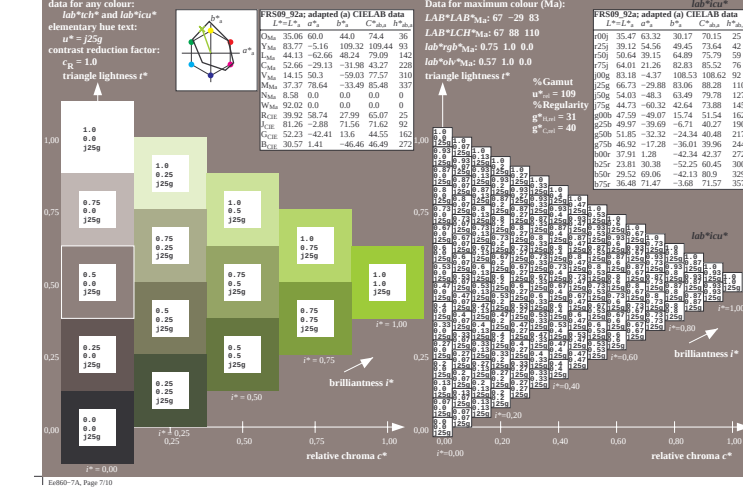
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 110/360 = 0.305**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = j25g
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = j25g
lab**icu

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**

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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



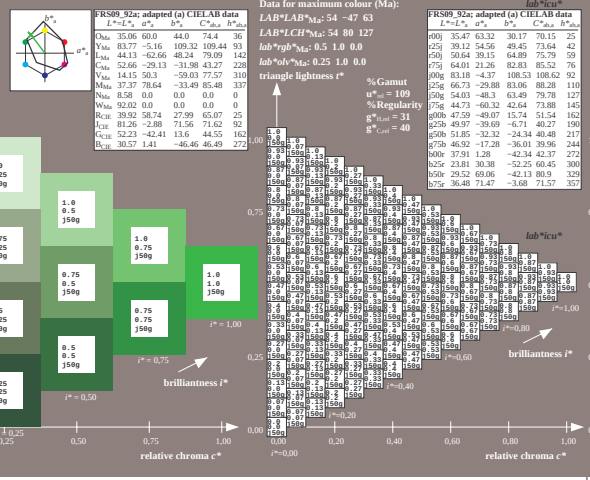
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 127/360 = 0.354**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = j50g
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = j50g
lab**icu

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**

FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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



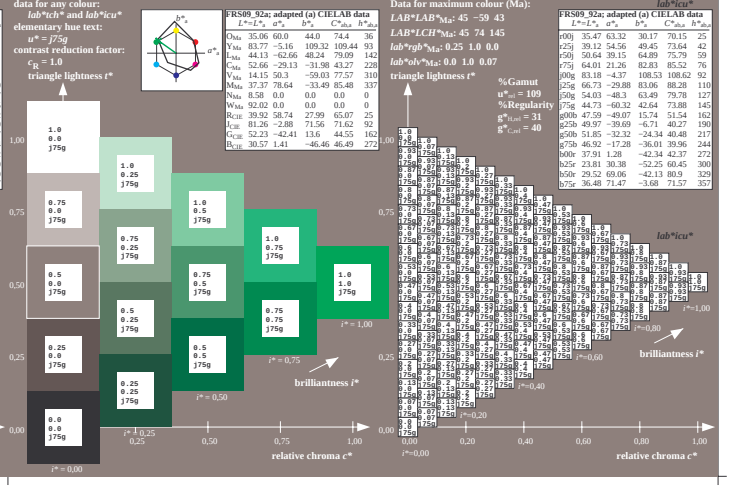
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h = h_{ab}/360 = 145/360 = 0.402**
data for any colour:
lab**tch* and lab**icu
elementary hue text:
u* = j75g
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

u* = j75g
lab**icu

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**

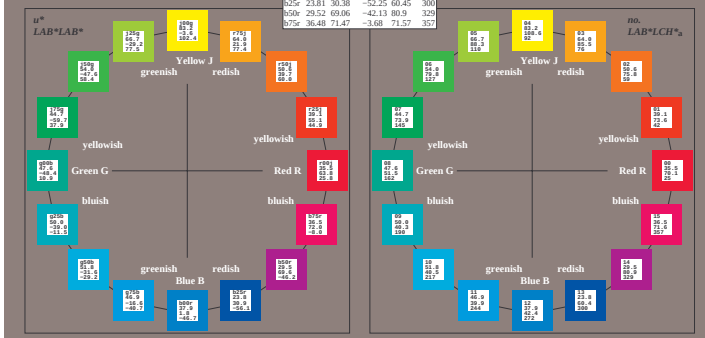
FRS09_92a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Max}	35.06	60.0	44.0	74.4	36
Y_{Mx}	83.77	−5.16	109.32	109.44	93
L_{Mx}	44.13	−62.66	48.24	79.09	142
C_{Mx}	52.66	−29.13	−31.98	43.27	228
V_{Mx}	14.15	50.3	−59.03	77.57	310
M_{Mx}	37.37	78.64	−33.49	85.48	337
N_{Mx}	8.58	0.0	0.0	0.0	0
W_{Mx}	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
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



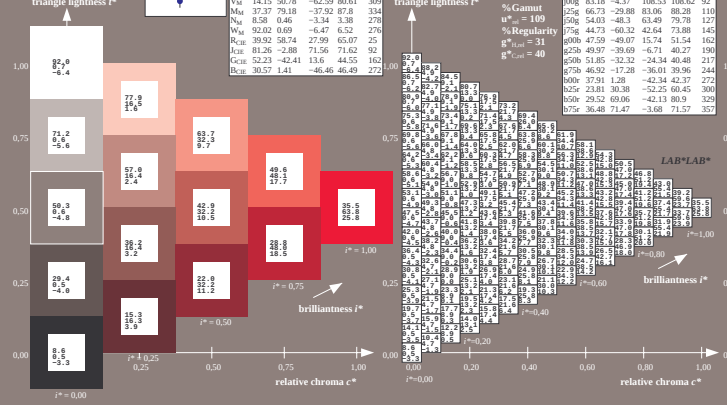
FRS09_92; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{M}	35.06	60.53	39.66	72.37	33
Y_{M}	83.77	−4.49	103.15	103.25	92
L_{M}	44.13	−62.1	43.56	75.86	145
C_{M}	52.66	−28.55	−36.98	46.73	232
V_{M}	14.15	50.78	−62.59	80.61	309
M_{M}	37.37	79.18	−37.92	87.8	334
N_{M}	8.58	0.46	−3.34	3.38	278
W_{M}	92.02	0.69	−6.47	6.52	276
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Gamut
u^*_{gm} = 109
%Regularity
$g^*_{R,reg}$ = 31
$g^*_{C,reg}$ = 40

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

***u** = r00j*
LAB*LAB*

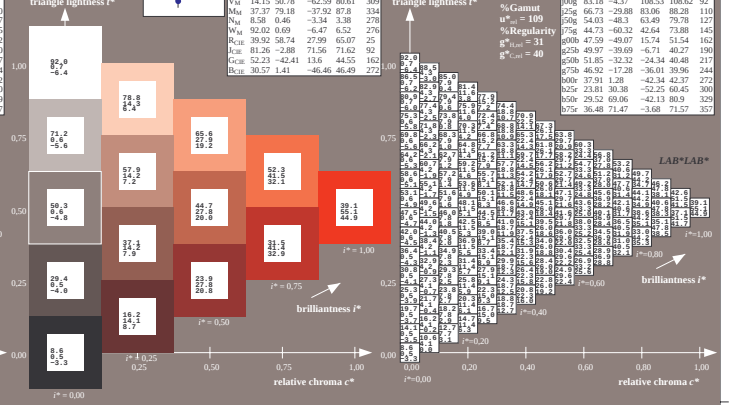
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 35 63 30**
***LAB*LCH*$_{Ma}$: 35 70 25**
***lab*rgb*$_{Ma}$: 1.0 0.0 0.0**
***lab*olv*$_{Ma}$: 1.0 0.0 0.18**



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

***u** = r25j*
LAB*LAB*

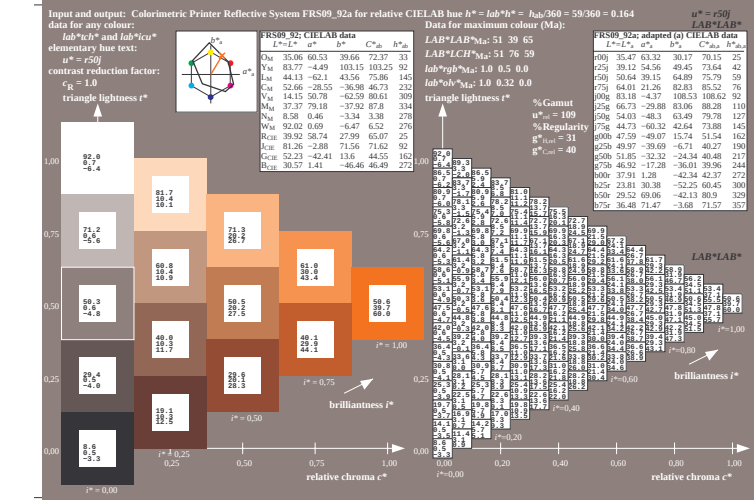
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 39 55 49**
***LAB*LCH*$_{Ma}$: 39 74 42**
***lab*rgb*$_{Ma}$: 1.0 0.25 0.0**
***lab*olv*$_{Ma}$: 1.0 0.08 0.0**



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

***u** = r50j*
LAB*LAB*

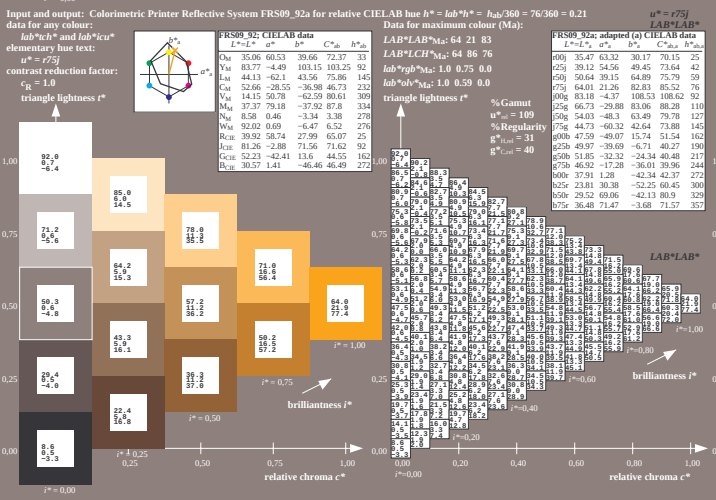
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 51 39 65**
***LAB*LCH*$_{Ma}$: 51 76 59**
***lab*rgb*$_{Ma}$: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$: 1.0 0.32 0.0**



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

***u** = r75j*
LAB*LAB*

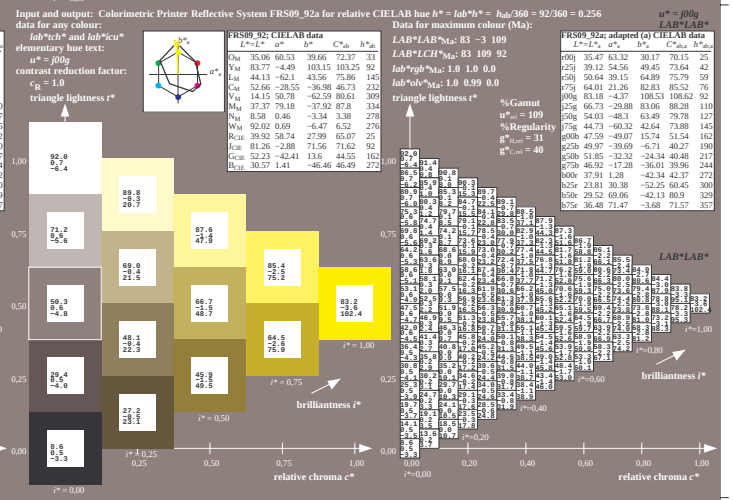
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 64 21 83**
***LAB*LCH*$_{Ma}$: 64 86 76**
***lab*rgb*$_{Ma}$: 1.0 0.75 0.0**
***lab*olv*$_{Ma}$: 1.0 0.59 0.0**



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

***u** = j00g*
LAB*LAB*

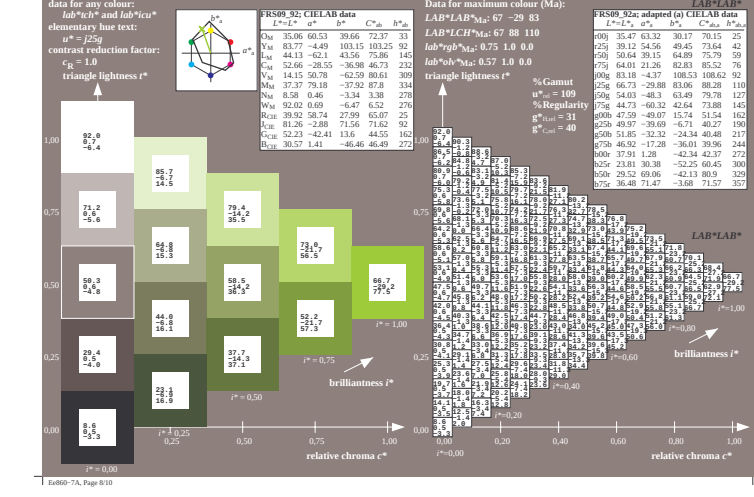
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 83 −3 109**
***LAB*LCH*$_{Ma}$: 83 109 92**
***lab*rgb*$_{Ma}$: 1.0 1.0 0.0**
***lab*olv*$_{Ma}$: 1.0 0.99 0.0**



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

***u** = j25g*
LAB*LAB*

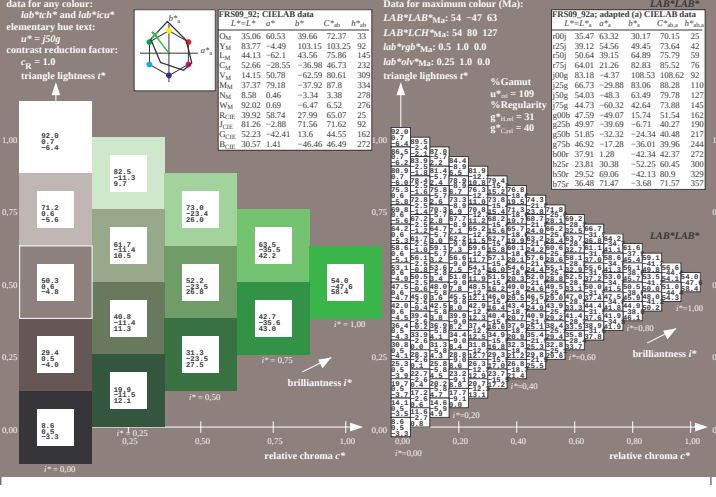
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 67 −29 83**
***LAB*LCH*$_{Ma}$: 67 88 110**
***lab*rgb*$_{Ma}$: 0.75 1.0 0.0**
***lab*olv*$_{Ma}$: 0.57 1.0 0.0**



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

***u** = j50g*
LAB*LAB*

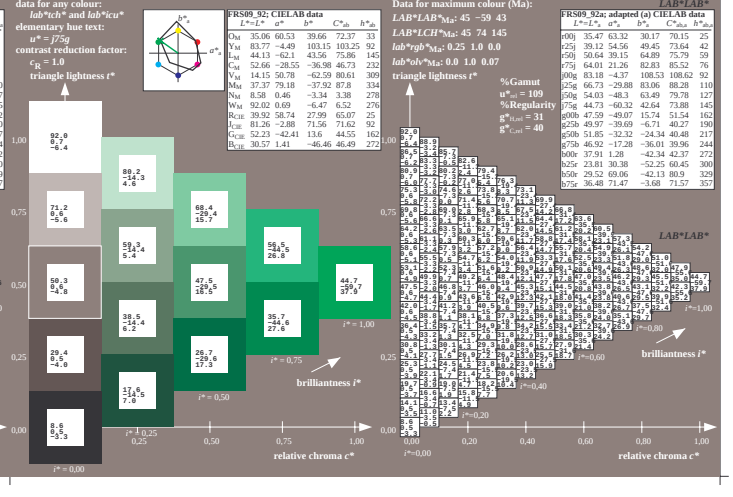
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 54 −47 63**
***LAB*LCH*$_{Ma}$: 54 80 127**
***lab*rgb*$_{Ma}$: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$: 0.25 1.0 0.0**



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

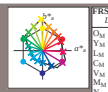
***u** = j75g*
LAB*LAB*

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**



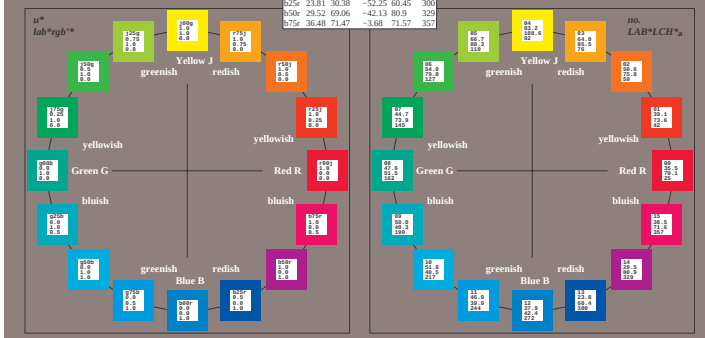
Input and output: Colorimetric Printer Reflective System FRS09_92a
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor: $c_R = 1.0$

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

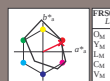


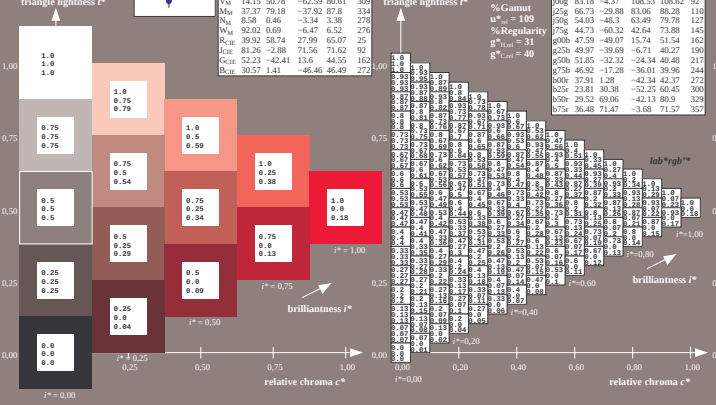
FRS09_92a; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.49	103.15	103.25	92
L_M	44.13	−62.1	43.56	75.86	145
C_M	52.66	−28.55	−36.98	46.73	232
V_M	14.15	50.78	−62.59	80.61	309
M_M	37.37	79.18	−37.92	87.8	334
N_M	8.58	0.46	−3.34	3.38	278
W_M	92.02	0.69	−6.47	6.52	276
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

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

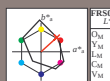


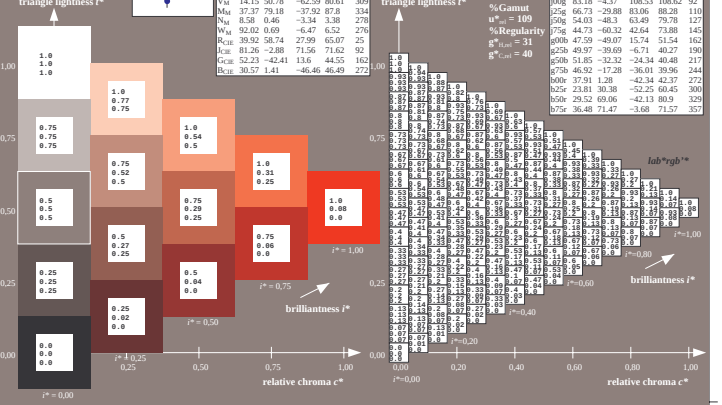
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ — *u* = r00j, lab*rgb'**
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = r00j*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*
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**



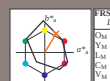


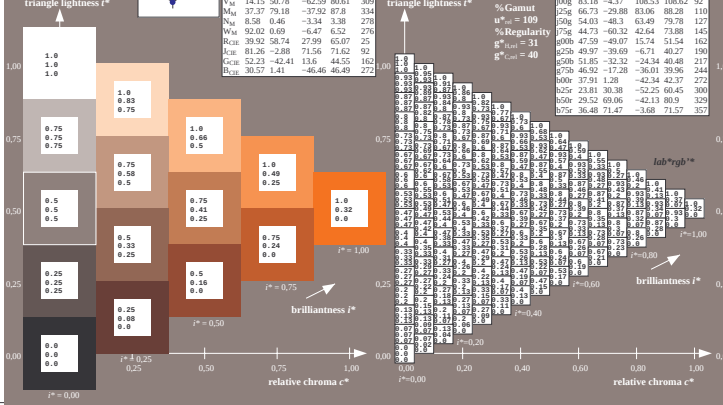
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ — *u* = r25j, lab*rgb'**
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 39 55 49**
***LAB*LCH*$_{Ma}$*: 39 74 42**
***lab*rgb*$_{Ma}$*: 1.0 0.25 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.08 0.0**



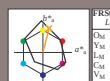


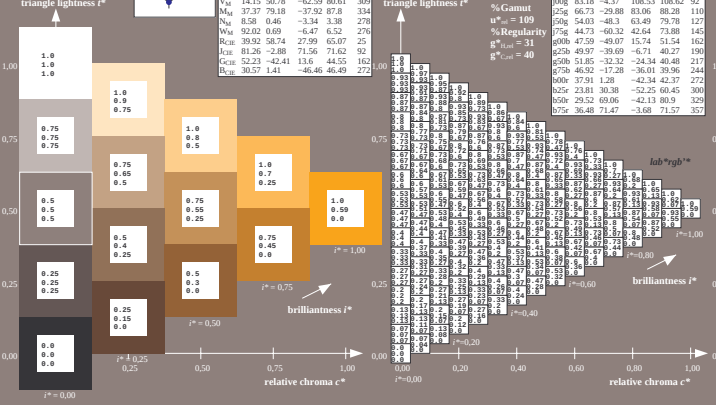
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ — *u* = r50j, lab*rgb'**
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 51 39 65**
***LAB*LCH*$_{Ma}$*: 51 76 59**
***lab*rgb*$_{Ma}$*: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.32 0.0**



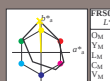


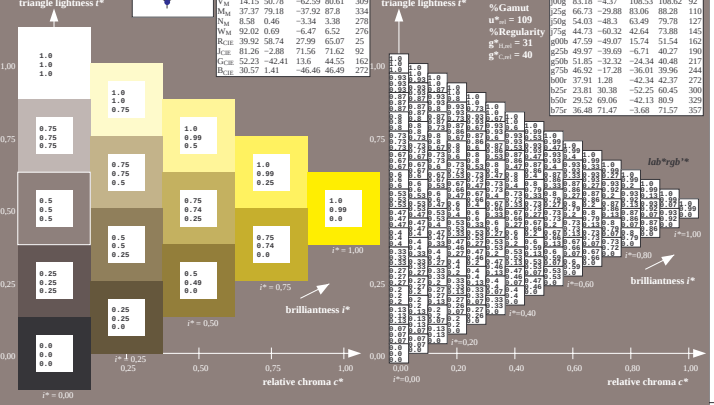
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ — *u* = r75j, lab*rgb'**
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 64 21 83**
***LAB*LCH*$_{Ma}$*: 64 86 76**
***lab*rgb*$_{Ma}$*: 1.0 0.75 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.59 0.0**



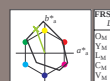


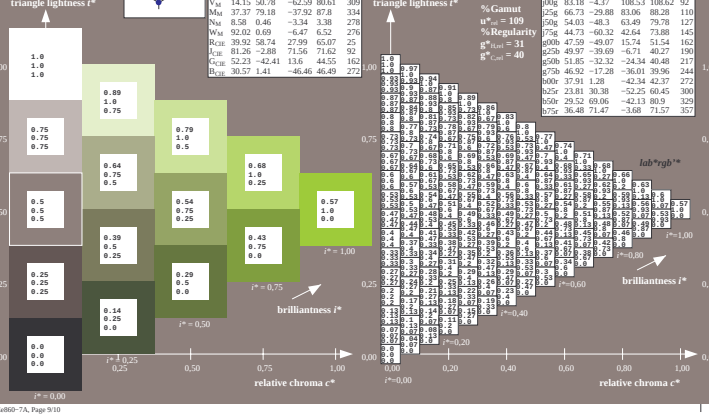
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ — *u* = j00g, lab*rgb'**
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 83 −3 109**
***LAB*LCH*$_{Ma}$*: 83 109 92**
***lab*rgb*$_{Ma}$*: 1.0 1.0 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.99 0.0**



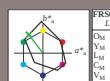


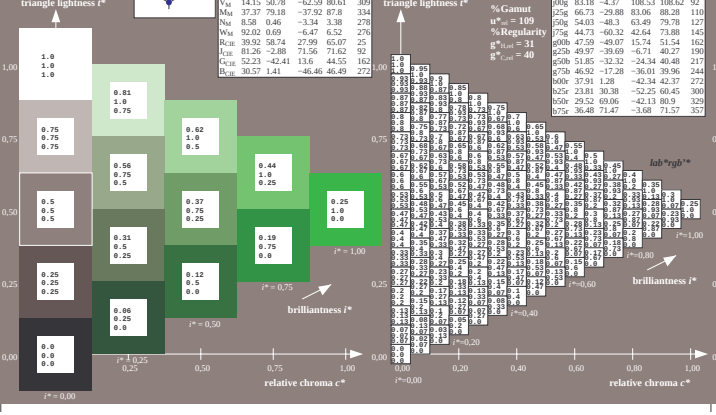
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ — *u* = j25g, lab*rgb'**
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 67 −29 83**
***LAB*LCH*$_{Ma}$*: 67 88 110**
***lab*rgb*$_{Ma}$*: 0.75 1.0 0.0**
***lab*olv*$_{Ma}$*: 0.57 1.0 0.0**



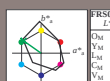


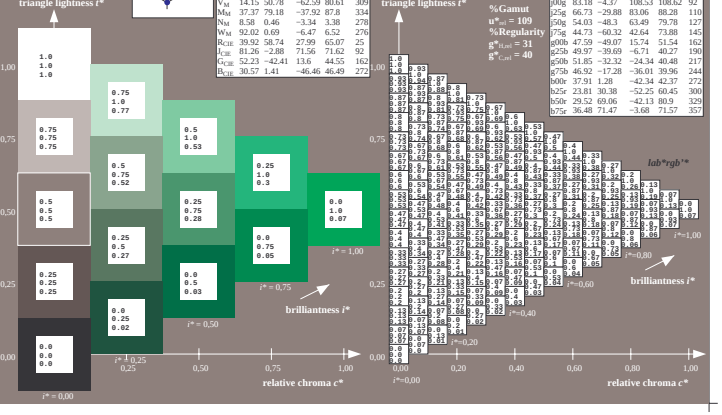
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ — *u* = j50g, lab*rgb'**
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 54 −47 63**
***LAB*LCH*$_{Ma}$*: 54 80 127**
***lab*rgb*$_{Ma}$*: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$*: 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, lab*rgb'**
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**

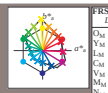




Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
lab**tch* and *lab**icu
elementary hue text:
u* = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
c_R **= 1.0**

FRS09_92a; adapted (a) CIELAB data

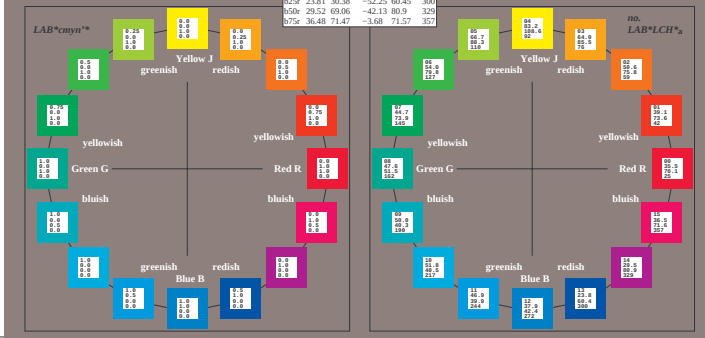
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
y00g	83.18	−4.37	108.53	108.62	92
y25g	66.73	−29.88	83.06	88.28	110
y50g	54.03	−48.3	63.49	79.78	127
y75g	44.73	−60.32	42.64	73.88	145
g00b	47.59	−49.07	15.74	51.54	162
g25b	49.97	−39.69	−6.71	40.27	190
g50b	51.85	−32.32	−24.34	40.48	217
g75b	46.92	−17.28	−36.01	39.96	244
b00r	37.91	1.28	−42.34	42.37	272
b25r	23.81	30.38	−52.25	60.45	300
b50r	29.52	69.06	−42.13	80.9	329
b75r	36.48	71.47	−3.68	71.57	357



FRS09_92a; CIELAB data

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

%Gamut
u^*_{gm} **= 109**
%Regularity
$g^*_{R,tot}$ **= 31**
$g^*_{C,tot}$ **= 40**

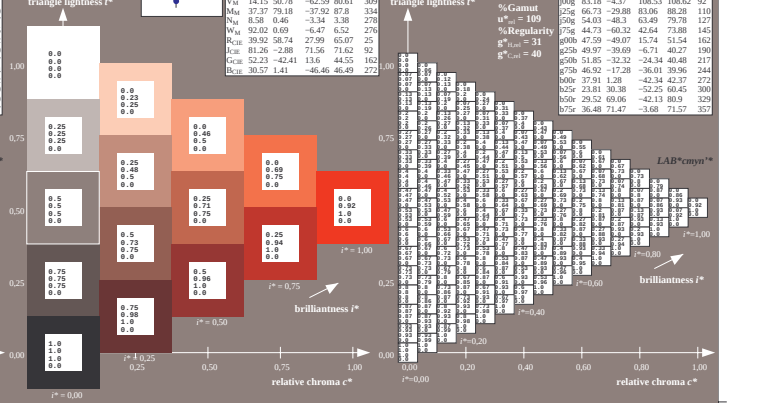


FRS09_92a; CIELAB data

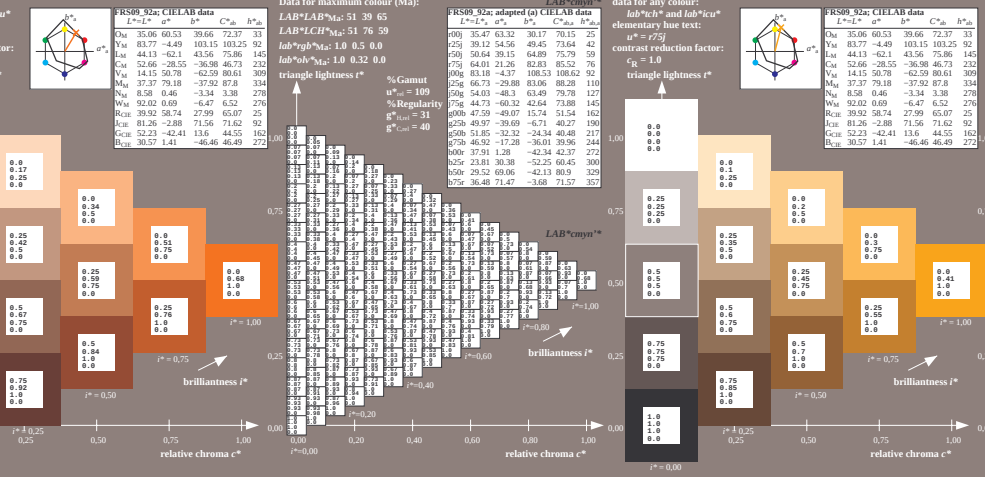
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{M}	35.06	60.53	39.66	72.37	33
Y_{M}	83.77	−4.49	103.15	103.25	92
L_{M}	44.13	−62.1	43.56	75.86	145
C_{M}	52.66	−28.55	−36.98	46.73	232
V_{M}	14.15	50.78	−62.59	80.61	309
M_{M}	37.37	79.18	−37.92	87.8	334
N_{M}	8.58	0.46	−3.34	3.38	278
W_{M}	92.02	0.69	−6.47	6.52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

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h* =* h_{ab}/360 = 25/360 = 0.071
u* = r00j
LAB*cmyn'*
data for any colour:
lab**tch* and *lab**icu
elementary hue text:
u* = r00j
contrast reduction factor:
c_R **= 1.0**
triangle lightness *t**
***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**
Data for maximum colour (Ma):

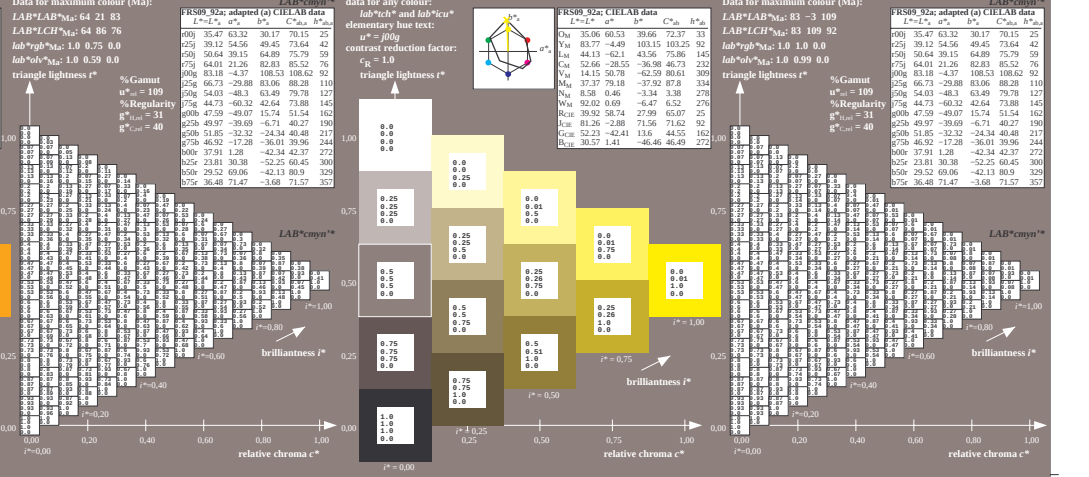
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h* =* h_{ab}/360 = 42/360 = 0.117
u* = r25j
LAB*cmyn'*
data for any colour:
lab**tch* and *lab**icu
elementary hue text:
u* = r25j
contrast reduction factor:
c_R **= 1.0**
triangle lightness *t**
Data 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**



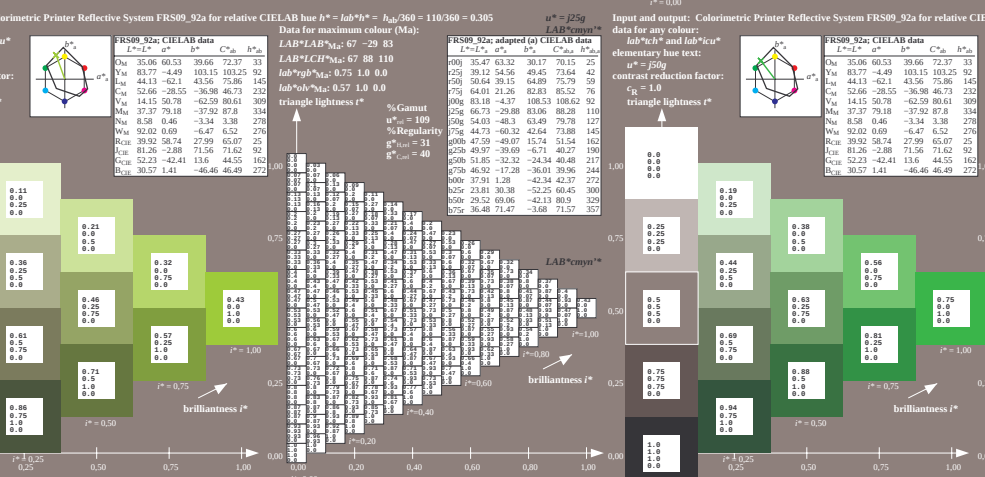
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h* =* h_{ab}/360 = 59/360 = 0.164
u* = r50j
LAB*cmyn'*
data for any colour:
lab**tch* and *lab**icu
elementary hue text:
u* = r50j
contrast reduction factor:
c_R **= 1.0**
triangle lightness *t**
Data 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*cmyn'*
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**

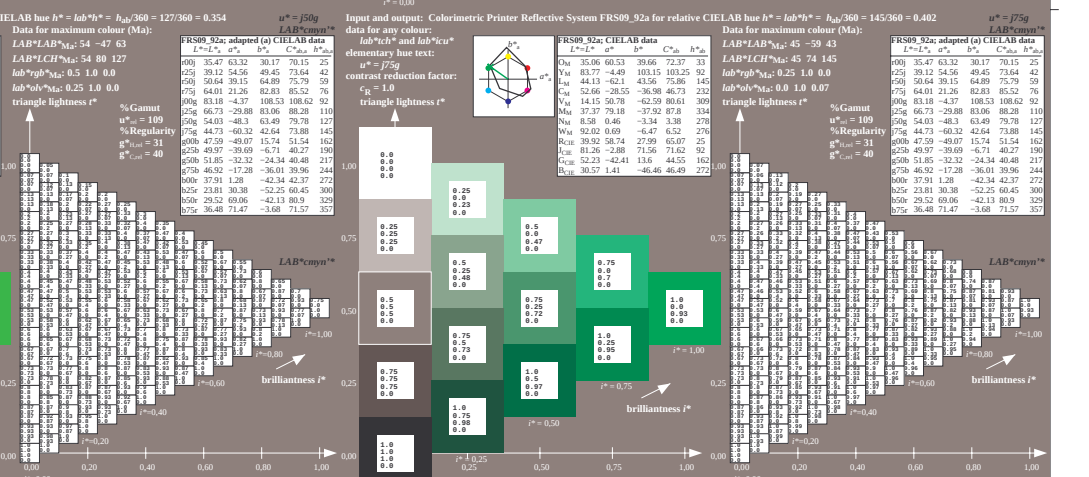


Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue *h* = lab*h* =* h_{ab}/360 = 92/360 = 0.256
u* = j00g
LAB*cmyn'*
data for any colour:
lab**tch* and *lab**icu
elementary hue text:
u* = j00g
contrast reduction factor:
c_R **= 1.0**
triangle lightness *t**
Data 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*cmyn'*
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*cmyn'*
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
LAB*cmyn'*
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**