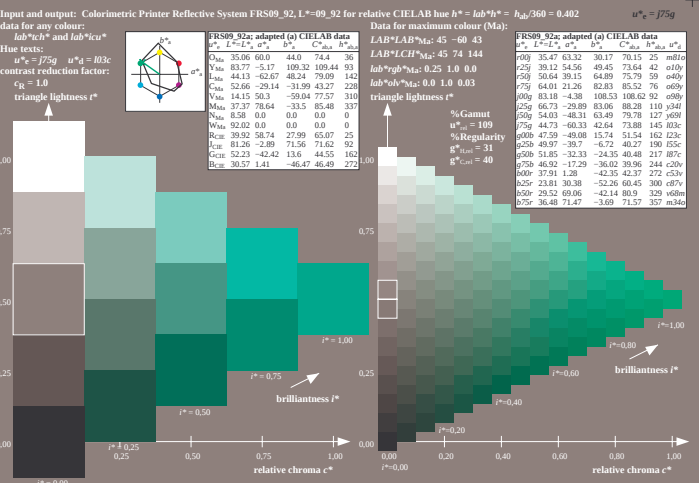
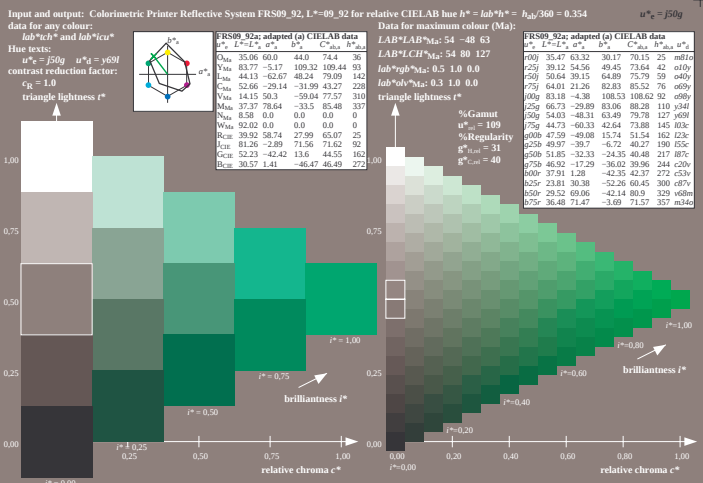
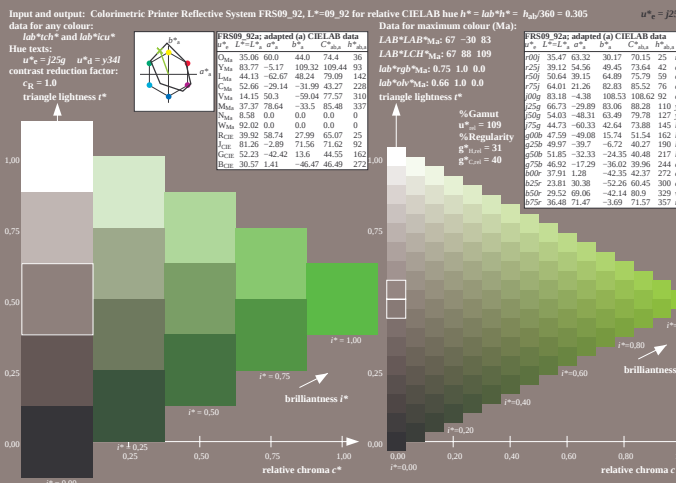
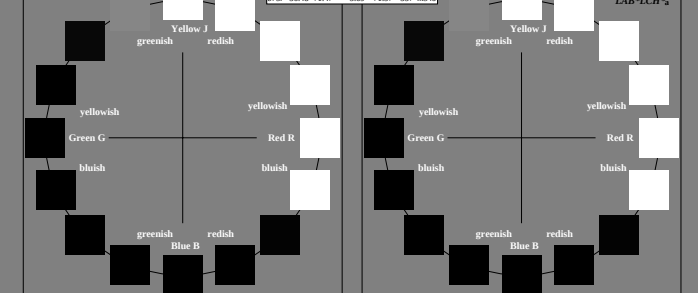




Input and output:
Colorimetric Printer Reflective System FR509_92a
data for any colour:
 u^*_e and number no. = 00...15
elementary hue text:
 $u^*_e = 16$ hues $r00$, $r25$, ..., $b75$
contrast reduction factor:
 $c_R = 1.0$

FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.47	63.32	30.17	70.15	25	m80e			
010	39.12	54.56	49.45	73.64	42	o10y			
020	50.64	39.15	64.89	75.79	59	o40y			
030	64.01	21.26	82.83	85.52	76	o69y			
040	83.18	-4.38	108.53	108.62	92	o98y			
050	66.73	-29.89	83.06	88.28	110	y34l			
060	54.03	-48.31	63.49	79.78	127	y68l			
070	44.73	-60.33	42.64	73.88	145	l03c			
080	47.59	-49.08	15.74	51.54	162	l23c			
090	48.97	-39.7	-6.72	40.27	180	l50c			
100	51.85	-32.33	-24.35	40.48	217	l87c			
110	49.83	-17.29	-36.02	39.96	244	c20v			
120	37.91	1.28	-42.35	42.37	272	c53v			
130	23.81	30.38	-52.26	60.45	300	e67v			
140	29.52	69.06	-42.14	80.9	329	v68v			
150	36.48	71.47	-3.69	71.57	357	m34e			

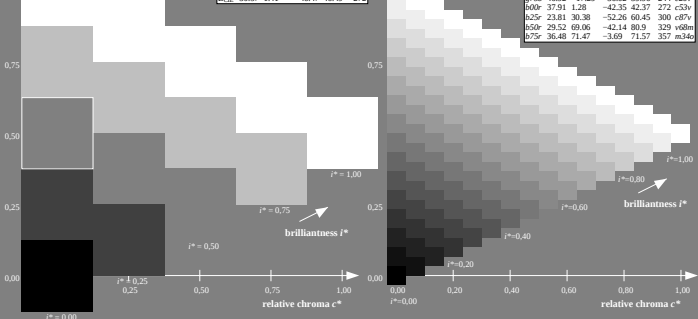
FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.06	60.0	44.0	74.4	36				
010	83.77	-5.17	109.32	109.44	93				
020	44.13	-62.67	48.24	79.09	142				
030	52.66	-29.14	-31.99	43.27	228				
040	14.15	50.3	-59.04	77.57	310				
050	37.37	78.64	-33.5	85.48	337				
060	8.58	0.0	0.0	0.0	0				
070	54.03	-48.31	63.49	79.78	127				
080	47.59	-49.08	15.74	51.54	162				
090	48.97	-39.7	-6.72	40.27	180				
100	51.85	-32.33	-24.35	40.48	217				
110	49.83	-17.29	-36.02	39.96	244				
120	37.91	1.28	-42.35	42.37	272				
130	23.81	30.38	-52.26	60.45	300				
140	29.52	69.06	-42.14	80.9	329				
150	36.48	71.47	-3.69	71.57	357				



Input and output: Colorimetric Printer Reflective System FR509_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.06	60.0	44.0	74.4	36				
010	83.77	-5.17	109.32	109.44	93				
020	44.13	-62.67	48.24	79.09	142				
030	52.66	-29.14	-31.99	43.27	228				
040	14.15	50.3	-59.04	77.57	310				
050	37.37	78.64	-33.5	85.48	337				
060	8.58	0.0	0.0	0.0	0				
070	54.03	-48.31	63.49	79.78	127				
080	47.59	-49.08	15.74	51.54	162				
090	48.97	-39.7	-6.72	40.27	180				
100	51.85	-32.33	-24.35	40.48	217				
110	49.83	-17.29	-36.02	39.96	244				
120	37.91	1.28	-42.35	42.37	272				
130	23.81	30.38	-52.26	60.45	300				
140	29.52	69.06	-42.14	80.9	329				
150	36.48	71.47	-3.69	71.57	357				

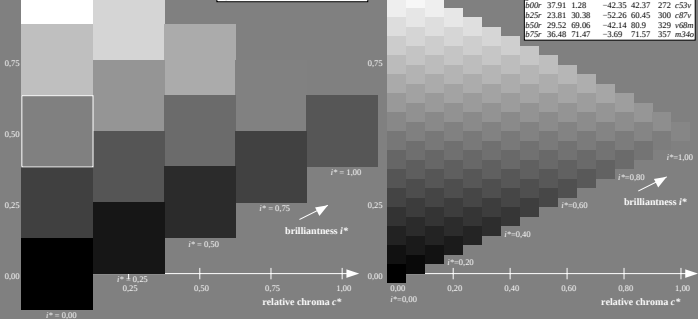
FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.47	63.32	30.17	70.15	25	m80e			
010	39.12	54.56	49.45	73.64	42	o10y			
020	50.64	39.15	64.89	75.79	59	o40y			
030	64.01	21.26	82.83	85.52	76	o69y			
040	83.18	-4.38	108.53	108.62	92	o98y			
050	66.73	-29.89	83.06	88.28	110	y34l			
060	54.03	-48.31	63.49	79.78	127	y68l			
070	44.73	-60.33	42.64	73.88	145	l03c			
080	47.59	-49.08	15.74	51.54	162	l23c			
090	48.97	-39.7	-6.72	40.27	180	l50c			
100	51.85	-32.33	-24.35	40.48	217	l87c			
110	49.83	-17.29	-36.02	39.96	244	c20v			
120	37.91	1.28	-42.35	42.37	272	c53v			
130	23.81	30.38	-52.26	60.45	300	e67v			
140	29.52	69.06	-42.14	80.9	329	v68v			
150	36.48	71.47	-3.69	71.57	357	m34e			



Input and output: Colorimetric Printer Reflective System FR509_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.06	60.0	44.0	74.4	36				
010	83.77	-5.17	109.32	109.44	93				
020	44.13	-62.67	48.24	79.09	142				
030	52.66	-29.14	-31.99	43.27	228				
040	14.15	50.3	-59.04	77.57	310				
050	37.37	78.64	-33.5	85.48	337				
060	8.58	0.0	0.0	0.0	0				
070	54.03	-48.31	63.49	79.78	127				
080	47.59	-49.08	15.74	51.54	162				
090	48.97	-39.7	-6.72	40.27	180				
100	51.85	-32.33	-24.35	40.48	217				
110	49.83	-17.29	-36.02	39.96	244				
120	37.91	1.28	-42.35	42.37	272				
130	23.81	30.38	-52.26	60.45	300				
140	29.52	69.06	-42.14	80.9	329				
150	36.48	71.47	-3.69	71.57	357				

FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.47	63.32	30.17	70.15	25	m80e			
010	39.12	54.56	49.45	73.64	42	o10y			
020	50.64	39.15	64.89	75.79	59	o40y			
030	64.01	21.26	82.83	85.52	76	o69y			
040	83.18	-4.38	108.53	108.62	92	o98y			
050	66.73	-29.89	83.06	88.28	110	y34l			
060	54.03	-48.31	63.49	79.78	127	y68l			
070	44.73	-60.33	42.64	73.88	145	l03c			
080	47.59	-49.08	15.74	51.54	162	l23c			
090	48.97	-39.7	-6.72	40.27	180	l50c			
100	51.85	-32.33	-24.35	40.48	217	l87c			
110	49.83	-17.29	-36.02	39.96	244	c20v			
120	37.91	1.28	-42.35	42.37	272	c53v			
130	23.81	30.38	-52.26	60.45	300	e67v			
140	29.52	69.06	-42.14	80.9	329	v68v			
150	36.48	71.47	-3.69	71.57	357	m34e			



Input and output: Colorimetric Printer Reflective System FR509_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:
 lab^*h^* and lab^*h^*
Hue texts:
 $u^*_e = r00$ $u^*_a = m80e$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness l^*

FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.06	60.0	44.0	74.4	36				
010	83.77	-5.17	109.32	109.44	93				
020	44.13	-62.67	48.24	79.09	142				
030	52.66	-29.14	-31.99	43.27	228				
040	14.15	50.3	-59.04	77.57	310				
050	37.37	78.64	-33.5	85.48	337				
060	8.58	0.0	0.0	0.0	0				
070	54.03	-48.31	63.49	79.78	127				
080	47.59	-49.08	15.74	51.54	162				
090	48.97	-39.7	-6.72	40.27	180				
100	51.85	-32.33	-24.35	40.48	217				
110	49.83	-17.29	-36.02	39.96	244				
120	37.91	1.28	-42.35	42.37	272				
130	23.81	30.38	-52.26	60.45	300				
140	29.52	69.06	-42.14	80.9	329				
150	36.48	71.47	-3.69	71.57	357				

Data for maximum colour (Ma):									
FR509_92a adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e	u^*_a	u^*_b	u^*_c	u^*_d
000	35.47	63.32	30.17	70.15	25	m80e			
010	39.12	54.56	49.45	73.64	42	o10y			
020	50.64	39.15	64.89	75.79	59	o40y			
030	64.01	21.26	82.83	85.52	76	o69y			
040	83.18	-4.38	108.53	108.62	92	o98y			
050	66.73	-29.89	83.06	88.28	110	y34l			
060	54.03	-48.31	63.49	79.78	127	y68l			
070	44.73	-60.33	42.64	73.88	145	l03c			
080	47.59	-49.08	15.74	51.54	162	l23c			
090	48.97	-39.7	-6.72	40.	180	l50c			
100	51.08	-51.83	-23.43	40.48	218	m77c			
110	47.58	-48.92	-17.29	-36.02	246	o00y			
120	49.91	-42.18	-42.35	-42.37	272	o29y			
130	52.18	-30.38	-52.26	-60.45	300	o49y			

Input and output:
Colorimetric Printer Reflective System FR509_92a
data for any colour:
 u^*_e and number no. = 00...15
elementary hue text:
 $u^*_e = 16$ hues $r00$, $r25$, ..., $b75$
contrast reduction factor:
 $c_R = 1.0$

FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

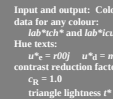
u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.47	63.32	30.17	70.15	25	m00
005	39.12	54.56	49.45	73.64	42	o09
010	50.64	39.15	64.89	75.79	59	o40
015	64.01	21.26	82.83	85.52	76	o69
020	83.18	-4.38	108.53	108.62	92	o98
025	66.73	-29.89	83.06	88.28	110	y34f
030	54.03	-48.31	63.49	79.78	127	y68f
035	44.73	-60.33	42.64	73.88	145	g03c
040	47.59	-49.08	15.74	51.54	162	g23c
045	48.97	-39.7	-6.72	40.27	180	g56c
050	51.85	-32.33	-24.35	40.48	217	h7c
055	49.83	-17.29	-36.02	39.96	244	c30v
060	37.91	1.28	-42.35	42.37	272	c53v
065	23.81	30.38	-52.26	60.45	300	e67v
070	29.52	69.06	-42.14	80.9	329	v68m
075	36.48	71.47	-3.69	71.57	357	m34e



FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.06	60.0	44.0	74.4	36	
005	83.77	-5.17	109.32	109.44	93	
010	44.13	-62.67	48.24	79.09	142	
015	52.66	-29.14	-31.99	43.27	228	
020	14.15	50.3	-59.04	77.57	310	
025	66.73	-29.89	83.06	88.28	110	
030	54.03	-48.31	63.49	79.78	127	
035	44.73	-60.33	42.64	73.88	145	
040	47.59	-49.08	15.74	51.54	162	
045	48.97	-39.7	-6.72	40.27	180	
050	51.85	-32.33	-24.35	40.48	217	
055	49.83	-17.29	-36.02	39.96	244	
060	37.91	1.28	-42.35	42.37	272	
065	23.81	30.38	-52.26	60.45	300	
070	29.52	69.06	-42.14	80.9	329	
075	36.48	71.47	-3.69	71.57	357	

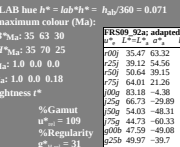
LAB*LAB*Ma: 51 39 95
LAB*LCH*Ma: 51 76 58
lab*rgb*Ma: 1.0 0.5 0.0
lab*oh*Ma: 1.0 0.4 0.0
triangle lightness u^*
%Gamut $u^*_e = 109$
%Regularity $u^*_e = 31$
 $h^*_{min} = 40$



FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.06	60.0	44.0	74.4	36	
005	83.77	-5.17	109.32	109.44	93	
010	44.13	-62.67	48.24	79.09	142	
015	52.66	-29.14	-31.99	43.27	228	
020	14.15	50.3	-59.04	77.57	310	
025	66.73	-29.89	83.06	88.28	110	
030	54.03	-48.31	63.49	79.78	127	
035	44.73	-60.33	42.64	73.88	145	
040	47.59	-49.08	15.74	51.54	162	
045	48.97	-39.7	-6.72	40.27	180	
050	51.85	-32.33	-24.35	40.48	217	
055	49.83	-17.29	-36.02	39.96	244	
060	37.91	1.28	-42.35	42.37	272	
065	23.81	30.38	-52.26	60.45	300	
070	29.52	69.06	-42.14	80.9	329	
075	36.48	71.47	-3.69	71.57	357	

LAB*LAB*Ma: 35 63 30
LAB*LCH*Ma: 35 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*oh*Ma: 1.0 0.0 0.18
triangle lightness u^*
%Gamut $u^*_e = 109$
%Regularity $u^*_e = 31$
 $h^*_{min} = 40$



FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

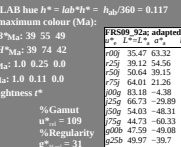
u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.47	63.32	30.17	70.15	25	m00
005	39.12	54.56	49.45	73.64	42	o09
010	50.64	39.15	64.89	75.79	59	o40
015	64.01	21.26	82.83	85.52	76	o69
020	83.18	-4.38	108.53	108.62	92	o98
025	66.73	-29.89	83.06	88.28	110	y34f
030	54.03	-48.31	63.49	79.78	127	y68f
035	44.73	-60.33	42.64	73.88	145	g03c
040	47.59	-49.08	15.74	51.54	162	g23c
045	48.97	-39.7	-6.72	40.27	180	g56c
050	51.85	-32.33	-24.35	40.48	217	h7c
055	49.83	-17.29	-36.02	39.96	244	c30v
060	37.91	1.28	-42.35	42.37	272	c53v
065	23.81	30.38	-52.26	60.45	300	e67v
070	29.52	69.06	-42.14	80.9	329	v68m
075	36.48	71.47	-3.69	71.57	357	m34e



FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.06	60.0	44.0	74.4	36	
005	83.77	-5.17	109.32	109.44	93	
010	44.13	-62.67	48.24	79.09	142	
015	52.66	-29.14	-31.99	43.27	228	
020	14.15	50.3	-59.04	77.57	310	
025	66.73	-29.89	83.06	88.28	110	
030	54.03	-48.31	63.49	79.78	127	
035	44.73	-60.33	42.64	73.88	145	
040	47.59	-49.08	15.74	51.54	162	
045	48.97	-39.7	-6.72	40.27	180	
050	51.85	-32.33	-24.35	40.48	217	
055	49.83	-17.29	-36.02	39.96	244	
060	37.91	1.28	-42.35	42.37	272	
065	23.81	30.38	-52.26	60.45	300	
070	29.52	69.06	-42.14	80.9	329	
075	36.48	71.47	-3.69	71.57	357	

LAB*LAB*Ma: 39 55 49
LAB*LCH*Ma: 39 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*oh*Ma: 1.0 0.11 0.0
triangle lightness u^*
%Gamut $u^*_e = 109$
%Regularity $u^*_e = 31$
 $h^*_{min} = 40$



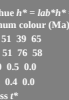
FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.47	63.32	30.17	70.15	25	m00
005	39.12	54.56	49.45	73.64	42	o09
010	50.64	39.15	64.89	75.79	59	o40
015	64.01	21.26	82.83	85.52	76	o69
020	83.18	-4.38	108.53	108.62	92	o98
025	66.73	-29.89	83.06	88.28	110	y34f
030	54.03	-48.31	63.49	79.78	127	y68f
035	44.73	-60.33	42.64	73.88	145	g03c
040	47.59	-49.08	15.74	51.54	162	g23c
045	48.97	-39.7	-6.72	40.27	180	g56c
050	51.85	-32.33	-24.35	40.48	217	h7c
055	49.83	-17.29	-36.02	39.96	244	c30v
060	37.91	1.28	-42.35	42.37	272	c53v
065	23.81	30.38	-52.26	60.45	300	e67v
070	29.52	69.06	-42.14	80.9	329	v68m
075	36.48	71.47	-3.69	71.57	357	m34e

Input and output:
Colorimetric Printer Reflective System FR509_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}^*/360 = 0.164$
data for any colour:
 lab^*h^* and lab^*h^*
Hue texts:
 $u^*_e = r50$ $u^*_a = o0y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness u^*

FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

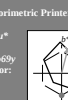
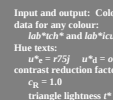
u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.47	63.32	30.17	70.15	25	m00
005	39.12	54.56	49.45	73.64	42	o09
010	50.64	39.15	64.89	75.79	59	o40
015	64.01	21.26	82.83	85.52	76	o69
020	83.18	-4.38	108.53	108.62	92	o98
025	66.73	-29.89	83.06	88.28	110	y34f
030	54.03	-48.31	63.49	79.78	127	y68f
035	44.73	-60.33	42.64	73.88	145	g03c
040	47.59	-49.08	15.74	51.54	162	g23c
045	48.97	-39.7	-6.72	40.27	180	g56c
050	51.85	-32.33	-24.35	40.48	217	h7c
055	49.83	-17.29	-36.02	39.96	244	c30v
060	37.91	1.28	-42.35	42.37	272	c53v
065	23.81	30.38	-52.26	60.45	300	e67v
070	29.52	69.06	-42.14	80.9	329	v68m
075	36.48	71.47	-3.69	71.57	357	m34e



FR509_92a adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_a

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.06	60.0	44.0	74.4	36	
005	83.77	-5.17	109.32	109.44	93	
010	44.13	-62.67	48.24	79.09	142	
015	52.66	-29.14	-31.99	43.27	228	
020	14.15	50.3	-59.04	77.57	310	
025	66.73	-29.89	83.06	88.28	110	
030	54.03	-48.31	63.49	79.78	127	
035	44.73	-60.33	42.64	73.88	145	
040	47.59	-49.08	15.74	51.54	162	
045	48.97	-39.7	-6.72	40.27	180	
050	51.85	-32.33	-24.35	40.48	217	
055	49.83	-17.29	-36.02	39.96	244	
060	37.91	1.28	-42.35	42.37	272	
065	23.81	30.38	-52.26	60.45	300	
070	29.52	69.06	-42.14	80.9	329	
075	36.48	71.47	-3.69	71.57	357	

LAB*LAB*Ma: 51 39 95
LAB*LCH*Ma: 51 76 58
lab*rgb*Ma: 1.0 0.5 0.0
lab*oh*Ma: 1.0 0.4 0.0
triangle lightness u^*
%Gamut $u^*_e = 109$
%Regularity $u^*_e = 31$
 $h^*_{min} = 40$



FR509_92a; adapted (a) CIELAB data

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_a
000	35.06	60.0	44.0	74.4		
005	83.77	-5.17	109.32	109.44		
010	44.13	-62.67	48.24	79.09		
015	52.66	-29.14	-31.99	43.27		
020	14.15	50.3	-59.04	77.57		
025	66.73	-29.89	83.06	88.28		
030	54.03	-48.31	63.49	79.78		
035	44.73	-60.33	42.64	73.88		
040	47.59	-49.08	15.74			

