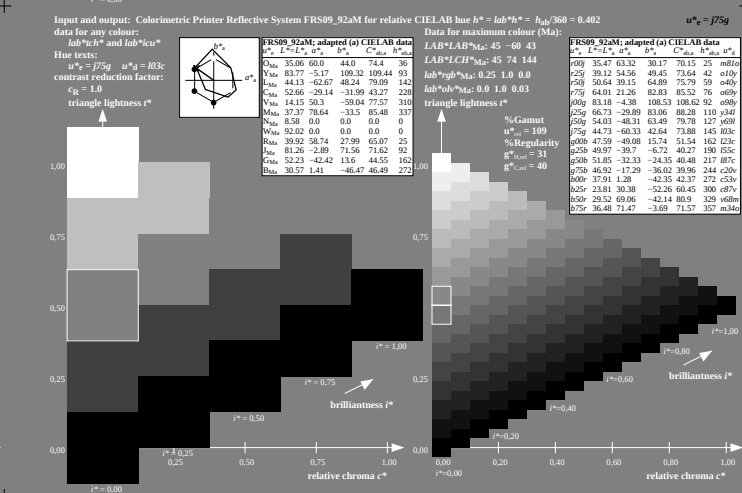
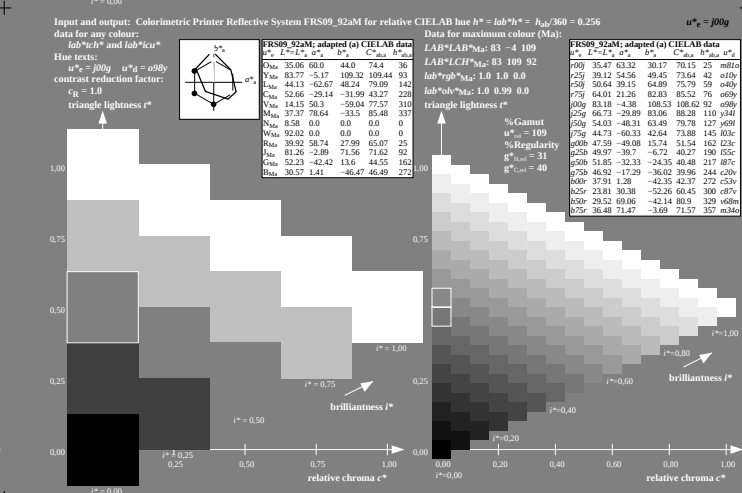
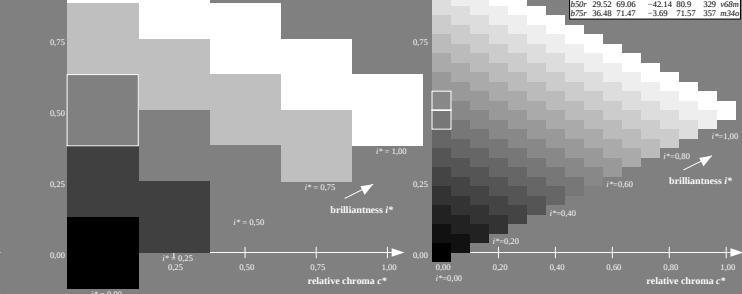
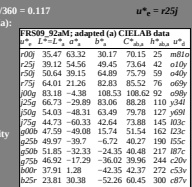




Input and output:
Colorimetric Printer Reflective System FR509_92aM
data for any colour:
 u^*_e and number no. = 00...15
elementary hue text:
 $u^*_e = 16$ hues $r(0)$, $r(25)$, ..., $b(75)$
contrast reduction factor:
 $c_R = 1.0$

FR509_92aM, adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_e

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.47	63.32	30.17	70.15	25	m810
025	39.12	54.56	49.45	73.64	42	o109
050	50.64	39.15	64.89	75.79	59	o409
075	64.01	21.26	82.83	85.52	76	o609
100	83.18	-4.38	108.53	108.62	92	o809
125	66.73	-29.89	83.06	88.28	110	y341
150	54.03	-48.31	63.49	79.78	127	y609
175	44.73	-60.33	42.64	73.88	145	o303
200	47.59	-49.08	15.74	51.54	162	i236
225	49.97	-39.7	-6.72	40.27	180	i505
250	51.85	-32.33	-24.35	40.48	217	h87c
275	46.92	-17.29	-36.02	39.96	244	c209
300	37.91	1.28	-42.35	42.37	272	c539
325	23.81	30.38	-52.26	60.45	300	e879
350	29.52	69.06	-42.14	80.9	329	v609
375	36.48	71.47	-3.69	71.57	357	m346



FR509_92aM, adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_e

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.06	60.0	44.0	74.4	36	
025	33.77	-5.17	109.32	109.44	93	
050	44.13	-62.67	48.24	79.09	142	
075	52.66	-29.14	-31.99	43.27	228	
100	14.15	50.3	-59.04	77.57	310	
125	37.37	78.64	-33.5	85.48	337	
150	8.58	0.0	0.0	0.0	0	
175	92.02	0.0	0.0	0.0	0	
200	39.92	58.74	27.99	65.07	25	
225	81.26	-2.89	71.56	71.62	92	
250	52.23	-42.42	13.6	44.55	162	
275	30.57	1.41	-46.47	46.49	272	

FR509_92aM, adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_e

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.47	63.32	30.17	70.15	25	m810
025	39.12	54.56	49.45	73.64	42	o109
050	50.64	39.15	64.89	75.79	59	o409
075	64.01	21.26	82.83	85.52	76	o609
100	83.18	-4.38	108.53	108.62	92	o809
125	66.73	-29.89	83.06	88.28	110	y341
150	54.03	-48.31	63.49	79.78	127	y609
175	44.73	-60.33	42.64	73.88	145	o303
200	47.59	-49.08	15.74	51.54	162	i236
225	49.97	-39.7	-6.72	40.27	180	i505
250	51.85	-32.33	-24.35	40.48	217	h87c
275	46.92	-17.29	-36.02	39.96	244	c209
300	37.91	1.28	-42.35	42.37	272	c539
325	23.81	30.38	-52.26	60.45	300	e879
350	29.52	69.06	-42.14	80.9	329	v609
375	36.48	71.47	-3.69	71.57	357	m346

Input and output:
Colorimetric Printer Reflective System FR509_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*h^* and lab^*h^*
Hue texts:
 $u^*_e = r(0)$ $u^*_d = m810$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness l^*



FR509_92aM, adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_e

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.06	60.0	44.0	74.4	36	
025	33.77	-5.17	109.32	109.44	93	
050	44.13	-62.67	48.24	79.09	142	
075	52.66	-29.14	-31.99	43.27	228	
100	14.15	50.3	-59.04	77.57	310	
125	37.37	78.64	-33.5	85.48	337	
150	8.58	0.0	0.0	0.0	0	
175	92.02	0.0	0.0	0.0	0	
200	39.92	58.74	27.99	65.07	25	
225	81.26	-2.89	71.56	71.62	92	
250	52.23	-42.42	13.6	44.55	162	
275	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):
 LAB^*LAB^*Ma : 35 63 30
 $LAB^*L^*CH^*Ma$: 35 70 25
 lab^*h^*Ma : 1.0 0.0 0.0
 lab^*h^*Ma : 1.0 0.0 0.18
triangle lightness l^*

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.47	63.32	30.17	70.15	25	m810
025	39.12	54.56	49.45	73.64	42	o109
050	50.64	39.15	64.89	75.79	59	o409
075	64.01	21.26	82.83	85.52	76	o609
100	83.18	-4.38	108.53	108.62	92	o809
125	66.73	-29.89	83.06	88.28	110	y341
150	54.03	-48.31	63.49	79.78	127	y609
175	44.73	-60.33	42.64	73.88	145	o303
200	47.59	-49.08	15.74	51.54	162	i236
225	49.97	-39.7	-6.72	40.27	180	i505
250	51.85	-32.33	-24.35	40.48	217	h87c
275	46.92	-17.29	-36.02	39.96	244	c209
300	37.91	1.28	-42.35	42.37	272	c539
325	23.81	30.38	-52.26	60.45	300	e879
350	29.52	69.06	-42.14	80.9	329	v609
375	36.48	71.47	-3.69	71.57	357	m346

FR509_92aM, adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_e

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.47	63.32	30.17	70.15	25	m810
025	39.12	54.56	49.45	73.64	42	o109
050	50.64	39.15	64.89	75.79	59	o409
075	64.01	21.26	82.83	85.52	76	o609
100	83.18	-4.38	108.53	108.62	92	o809
125	66.73	-29.89	83.06	88.28	110	y341
150	54.03	-48.31	63.49	79.78	127	y609
175	44.73	-60.33	42.64	73.88	145	o303
200	47.59	-49.08	15.74	51.54	162	i236
225	49.97	-39.7	-6.72	40.27	180	i505
250	51.85	-32.33	-24.35	40.48	217	h87c
275	46.92	-17.29	-36.02	39.96	244	c209
300	37.91	1.28	-42.35	42.37	272	c539
325	23.81	30.38	-52.26	60.45	300	e879
350	29.52	69.06	-42.14	80.9	329	v609
375	36.48	71.47	-3.69	71.57	357	m346

Data for maximum colour (Ma):
 LAB^*LAB^*Ma : 35 63 30
 $LAB^*L^*CH^*Ma$: 35 70 25
 lab^*h^*Ma : 1.0 0.0 0.0
 lab^*h^*Ma : 1.0 0.0 0.18
triangle lightness l^*

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.47	63.32	30.17	70.15	25	m810
025	39.12	54.56	49.45	73.64	42	o109
050	50.64	39.15	64.89	75.79	59	o409
075	64.01	21.26	82.83	85.52	76	o609
100	83.18	-4.38	108.53	108.62	92	o809
125	66.73	-29.89	83.06	88.28	110	y341
150	54.03	-48.31	63.49	79.78	127	y609
175	44.73	-60.33	42.64	73.88	145	o303
200	47.59	-49.08	15.74	51.54	162	i236
225	49.97	-39.7	-6.72	40.27	180	i505
250	51.85	-32.33	-24.35	40.48	217	h87c
275	46.92	-17.29	-36.02	39.96	244	c209
300	37.91	1.28	-42.35	42.37	272	c539
325	23.81	30.38	-52.26	60.45	300	e879
350	29.52	69.06	-42.14	80.9	329	v609
375	36.48	71.47	-3.69	71.57	357	m346

Input and output:
Colorimetric Printer Reflective System FR509_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*h^* and lab^*h^*
Hue texts:
 $u^*_e = r(25)$ $u^*_d = o109$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness l^*



FR509_92aM, adapted (a) CIELAB data
 u^*_e , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u^*_e

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.06	60.0	44.0	74.4	36	
025	33.77	-5.17	109.32	109.44	93	
050	44.13	-62.67	48.24	79.09	142	
075	52.66	-29.14	-31.99	43.27	228	
100	14.15	50.3	-59.04	77.57	310	
125	37.37	78.64	-33.5	85.48	337	
150	8.58	0.0	0.0	0.0	0	
175	92.02	0.0	0.0	0.0	0	
200	39.92	58.74	27.99	65.07	25	
225	81.26	-2.89	71.56	71.62	92	
250	52.23	-42.42	13.6	44.55	162	
275	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):
 LAB^*LAB^*Ma : 39 55 49
 $LAB^*L^*CH^*Ma$: 39 74 42
 lab^*h^*Ma : 1.0 0.25 0.0
 lab^*h^*Ma : 1.0 0.41 0.0
triangle lightness l^*

u^*_e	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u^*_e
000	35.47	63.32	30.17	70.15	25	m810
025	39.12	54.56	49.45	73.64	42	o109
050	50.64	39.15	64.89	75.79	59	o409
075	64.01	21.26	82.83	85.52	76	o609
100	83.18	-4.38	108.53	108.62	92	o809
125	66.73	-29.89	83.06	88.28	110	y341
150	54.03	-48.31	63.49	79.78	127	y609
175	44.73	-60.33	42.64	73.88	145	o303
200	47.59	-49.08	15.74	51.54	162	i236
225	49.97	-39.7	-6.72	40.27	180	i505
250	51.85	-32.33	-24.35	40.48	217	h87c
275	46.92	-17.29	-36.02	39.96	244	c209
300	37.91	1.28	-42.35	42.37	272	c539
325	23.81	30.38	-52.26	60.45	300	e879
350	29.52	69.06	-42.14	80.9	329	v609
375	36.48	71.47	-3.69	71.57	357	m346

$\lambda_{360} = 0.117$
(Ma):

FRS09_92aM; adapted (a) CIELAB data
 u_e^* , L^* , a^* , b^* , C_{ab}^* , h_{ab}^* , u_e^*

u_e^*	L^*	a^*	b^*	C_{ab}^*	h_{ab}^*	u_e^*
000	35.47	63.32	30.17	70.15	25	m810
025	39.12	54.56	49.45	73.64	42	o109
050	50.64	39.15	64.89	75.79	59	o409
075	64.01	21.26	82.83	85.52	76	o609
100	83.18	-4.38	108.53	108.62	92	o809
125	66.73	-29.89	83.06	88.28	110	y341
150	54.03	-48.31	63.49	79.78	127	y609
175	44.73	-60.33	42.64	73.88	145	o303
200	47.59	-49.08	15.74	51.54	162	i236
225	49.97	-39.7	-6.72	40.27	180	i505
250	51.85	-32.33	-24.35	40.48	217	h87c
275	46.92	-1				

Input and output:
Colorimetric Printer Reflective System FR509_92aM
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_92aM, adapted (a) CIELAB data									
	L^*	a^*	b^*	C_{ab}	h^*_{ab}	u^*_e		L^*	a^*
r00	35.47	63.32		30.17	70.15	25	m80		
o10y	39.12	54.56		49.45	73.64	42	o10y		
o40y	50.64	39.15		64.89	75.79	59	o40y		
o69y	64.01	21.26		82.83	85.52	76	o69y		
o98y	83.18	-4.38		108.53	108.62	92	o98y		
y34l	66.73	-29.89		83.06	88.28	110	y34l		
o69y	54.03	-48.33		63.49	79.78	127	o69y		
o30x	44.73	-60.33		42.64	73.88	145	o30x		
i23c	47.59	-49.08		15.74	51.54	162	i23c		
i55c	48.97	-39.7		-6.72	40.27	180	i55c		
h87c	51.85	-32.33		-24.35	40.48	217	h87c		
c20v	49.52	-17.29		-36.02	39.96	244	c20v		
c53v	37.91	1.28		-42.35	42.37	272	c53v		
o67v	23.81	30.38		-52.26	60.45	300	o67v		
o68v	25.52	69.06		-42.14	80.9	329	o68v		
m34b	36.48	71.47		-3.69	71.57	357	m34b		



FR509_92aM; adapted (a) CIE LAB data					
Wavelength	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
000	35.06	60.0	44.0	74.4	36
010	33.77	-5.17	109.32	109.44	93
020	44.13	-62.67	48.24	79.09	142
030	50.64	-39.15	64.89	75.79	228
040	54.15	50.3	-59.04	43.27	310
050	37.37	78.64	-33.5	85.48	337
060	8.58	0.0	0.0	0.0	0
070	92.02	0.0	0.0	0.0	0
080	39.92	58.74	27.99	65.07	25
090	81.26	-2.89	71.36	71.62	92
100	52.23	-42.42	13.6	44.55	162
110	30.57	14.1	-46.47	46.49	272

Input and output:
Colorimetric Printer Reflective System FR509_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*ch^* and lab^*cu^*
Hue texts:
 $u^*_e = r00$ $u^*_d = m80$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness l^*



FR509_92aM, adapted (a) CIELAB data					
L^*	a^*	b^*	C_{ab}	h^*_{ab}	u^*_e
000	35.06	60.0	44.0	74.4	36
010	33.77	-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	64.15	50.33	-59.04	77.57	310
050	73.37	78.64	-33.5	85.48	337
060	8.58	0.0	0.0	0.0	0
070	92.02	0.0	0.0	0.0	0
080	39.92	58.74	27.99	65.07	25
090	81.26	-2.89	71.56	71.62	92
100	51.23	-42.42	13.6	54.55	162

ELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0$									
Data for maximum colour (Ma):									
LAB^*LAB^*Ma : 35 63 30					FRG^*FRG^*Ma : 35 63 30				
LAB^*LCH^*Ma : 35 70 25					FRG^*LCH^*Ma : 35 70 25				
lab^*rgb^*Ma : 1.0 0.0 0.0					frg^*rgb^*Ma : 1.0 0.0 0.0				
lab^*olv^*Ma : 1.0 0.0 0.18					frg^*olv^*Ma : 1.0 0.0 0.18				
triangle lightness l^*									
									
%Gamut					%Gamut				
$u^*_{sl} = 109$					$u^*_{sl} = 109$				
%Regularity					%Regularity				
$g^*_{Hsl} = 31$					$g^*_{Hsl} = 31$				
$g^*_{Hsl} = 40$					$g^*_{Hsl} = 40$				

FR509_92aM; adapted (a) CIELAB data									
L^*	a^*	b^*	C_{ab}	h^*_{ab}	u^*_e	L^*	a^*	b^*	u^*_e
000	35.47	63.32	30.17	70.15	25	m810			
010	39.12	54.56	49.45	73.64	42	o10y			
020	50.64	39.15	64.89	75.79	59	o40y			
040	64.01	21.26	82.83	85.52	76	o69y			
050	83.18	-4.38	108.53	108.62	92	o89y			
060	66.73	-29.89	83.06	88.28	110	y34l			
070	54.03	-48.33	63.49	79.78	127	y69l			
080	47.59	-49.08	15.74	51.54	162	z32c			
090	48.97	-39.7	-6.72	40.27	180	z55c			
100	51.85	-32.33	-24.35	40.48	217	z87c			
110	49.52	-17.29	-36.02	39.96	244	z99c			
120	37.91	1.28	-42.35	42.37	272	z99c			
130	23.81	30.38	-52.26	60.45	300	z99c			
140	25.52	69.06	-42.14	80.9	329	z99c			
150	36.48	71.47	-3.69	71.57	357	z99c			

Input and output:
Colorimetric Printer Reflective System FR509_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*ch^* and lab^*cu^*
Hue texts:
 $u^*_e = r25$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness l^*



FR509_92aM, adapted (a) CIELAB data									
	L^*	a^*	b^*	C_{ab}	h^*_{ab}	u^*_e	L^*	a^*	b^*
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	37.64	-33.5	85.48	337				
060	8.58	0.0	0.0	0.0	0				
070	92.02	0.0	0.0	0.0	0				
080	39.29	58.74	27.99	65.07	25				
090	81.26	-2.89	71.56	71.62	92				
100	52.23	-42.42	13.6	44.55	162				