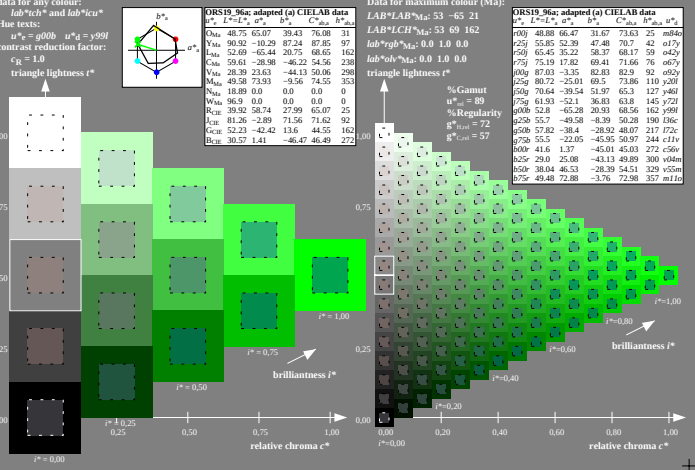
Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_\varepsilon = g00b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g00b$ $u^*_d = y99l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −65 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
triangle lightness t^*



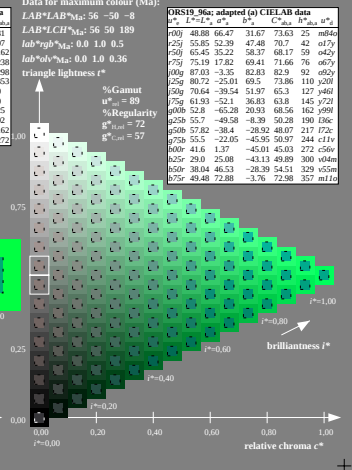
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_\varepsilon = g25b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g25b$ $u^*_d = l36c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −50 −8
$LAB^*LCH^*_{Ma}$: 56 50 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.36
triangle lightness t^*



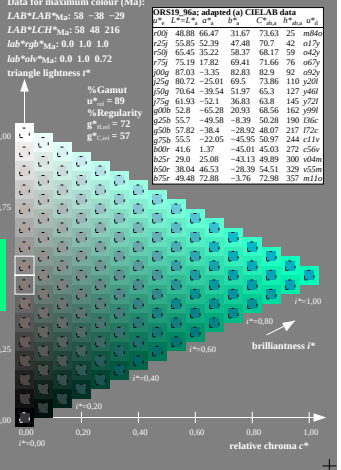
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_\varepsilon = g50b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g50b$ $u^*_d = l72c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −38 −29
$LAB^*LCH^*_{Ma}$: 58 48 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.72
triangle lightness t^*



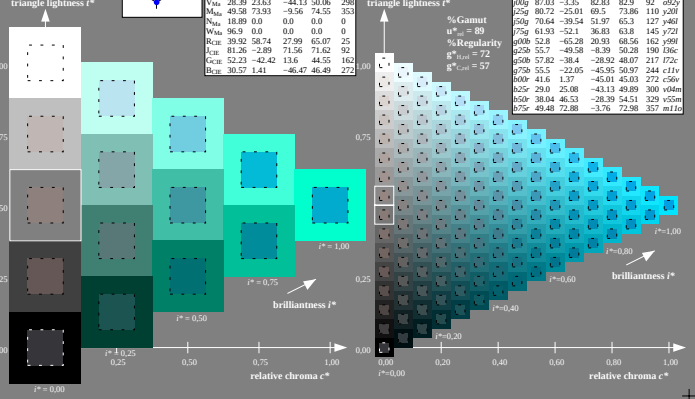
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_\varepsilon = g75b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −22 −46
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.89 1.0
triangle lightness t^*



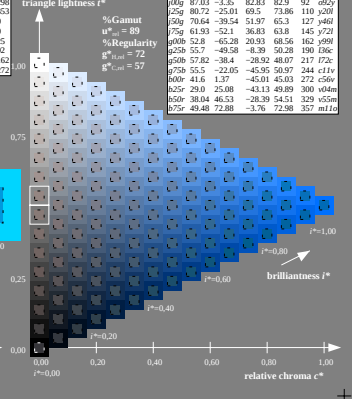
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_\varepsilon = b00r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b00r$ $u^*_d = c56v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −45
$LAB^*LCH^*_{Ma}$: 42 45 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.44 1.0
triangle lightness t^*



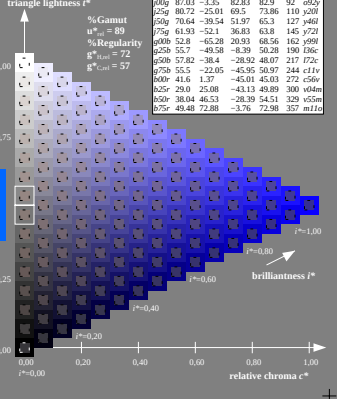
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_\varepsilon = b25r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b25r$ $u^*_d = v04m$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −43
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.04 0.0 1.0
triangle lightness t^*



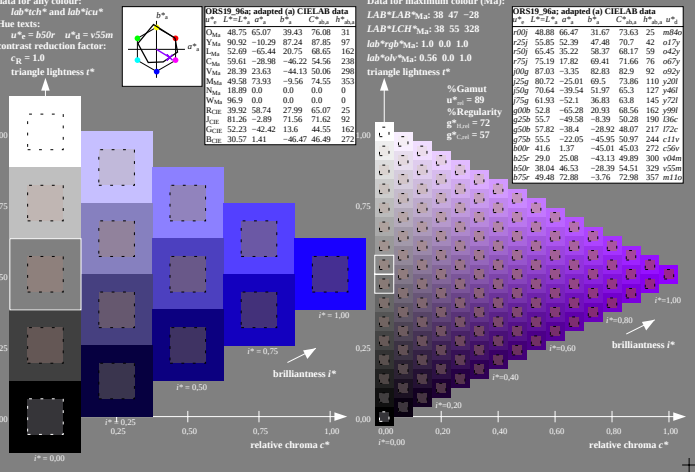
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_\varepsilon = b50r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b50r$ $u^*_d = v55m$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 −28
$LAB^*LCH^*_{Ma}$: 38 55 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.56 0.0 1.0
triangle lightness t^*



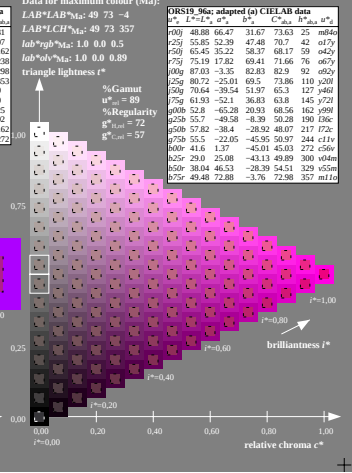
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_\varepsilon = b75r$

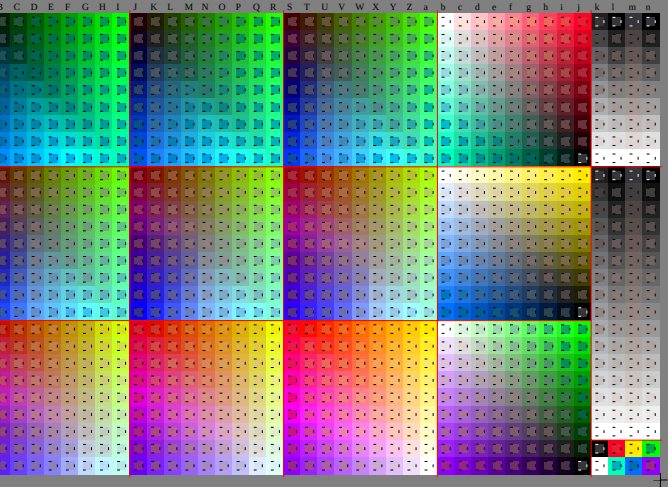
data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b75r$ $u^*_d = m11o$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −4
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

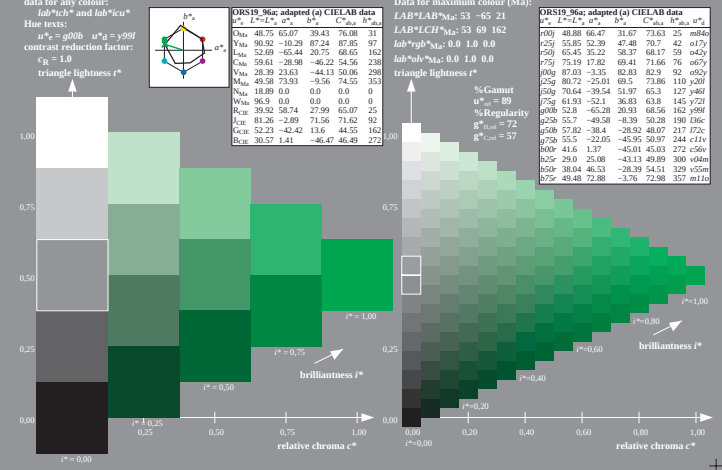
ORS19_96a; adapted (a) CIELAB data	L^*	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_d
r00/	48.88	66.47	31.67	73.63	25		m84e
r25/	55.85	52.39	47.48	70.7	42		o17y
r50/	65.45	35.22	58.37	68.17	59		o42y
r75/	75.19	17.82	69.41	71.66	76		o67y
y00/	87.03	−3.35	82.83	82.9	92		o92y
y25/	80.72	−25.01	69.5	73.86	110		y20l
y50/	70.64	−39.54	51.97	65.3	127		y46l
y75/	61.93	−52.1	36.83	63.8	145		y72l
g00b	52.8	−65.28	20.93	68.56	162		y99l
g25b	55.7	−49.58	−8.39	50.28	190		l36c
g50b	57.82	−38.4	−28.92	48.07	217		l72c
g75b	55.5	−22.05	−45.95	50.97	244		c11v
b00r	41.6	1.37	−45.01	45.03	272		c56v
b25r	29.0	25.08	−43.13	49.89	300		v04m
b50r	38.04	46.53	−28.39	54.51	329		v55m
b75r	49.48	72.88	−3.76	72.98	357		m11o



Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_\epsilon = g00b$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = g00b$ $u^*_d = y99l$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −65 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0



ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

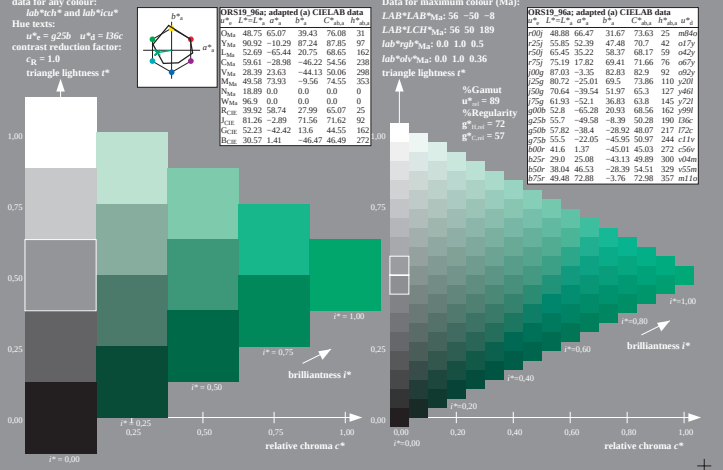
ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_\epsilon = g25b$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = g25b$ $u^*_d = l36c$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −50 −8
$LAB^*LCH^*_{Ma}$: 56 50 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.36



ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

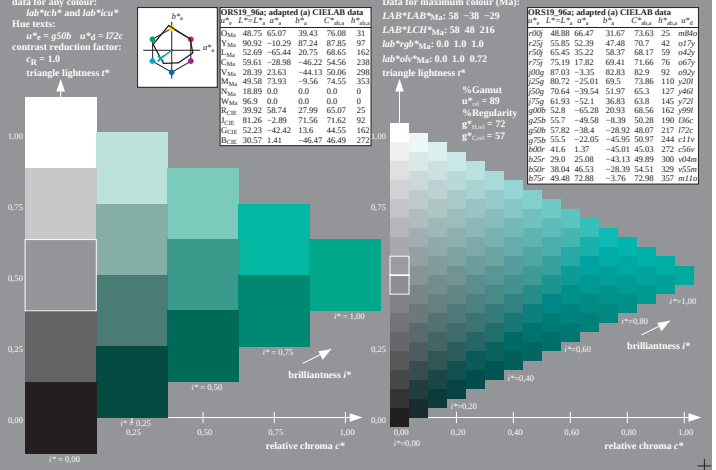
ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_\epsilon = g50b$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = g50b$ $u^*_d = l72c$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −38 −29
$LAB^*LCH^*_{Ma}$: 58 48 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.72



ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

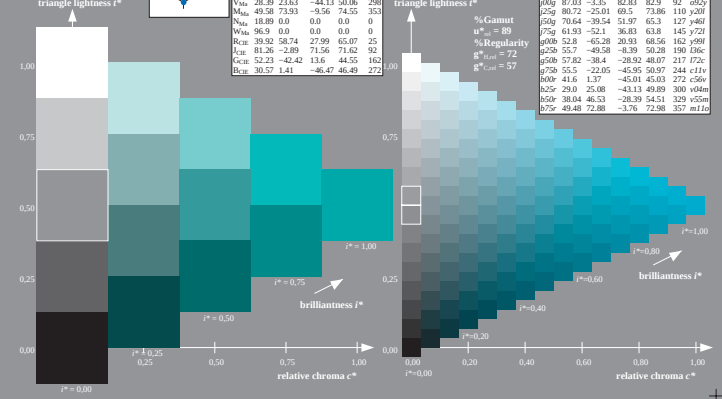
ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_\epsilon = g75b$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = g75b$ $u^*_d = c11v$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −22 −46
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.89 1.0



ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

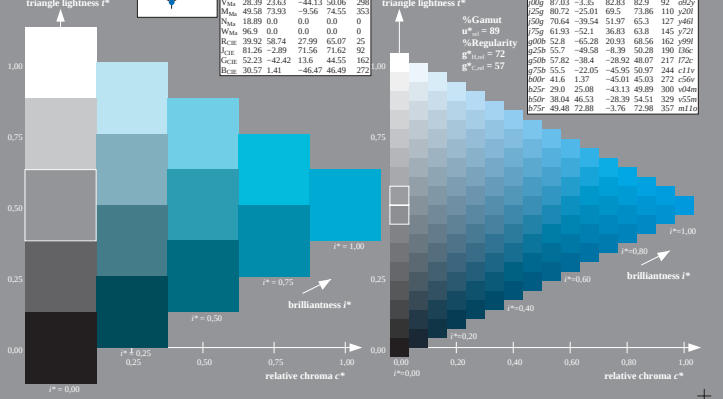
ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_\epsilon = b00r$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = b00r$ $u^*_d = c56v$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −45
$LAB^*LCH^*_{Ma}$: 42 45 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.44 1.0



ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

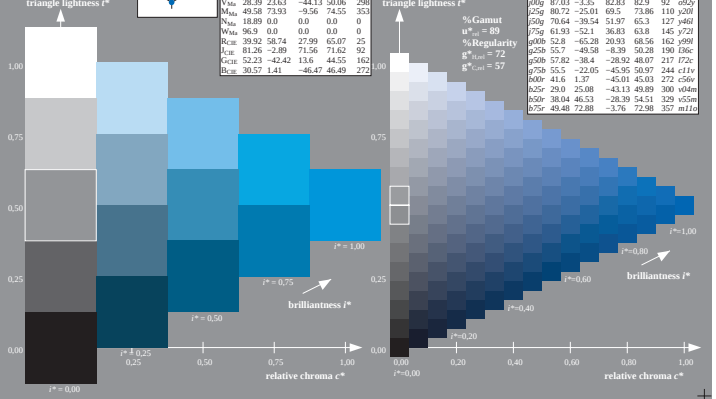
ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_\epsilon = b25r$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = b25r$ $u^*_d = v04m$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −43
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.04 0.0 1.0



ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

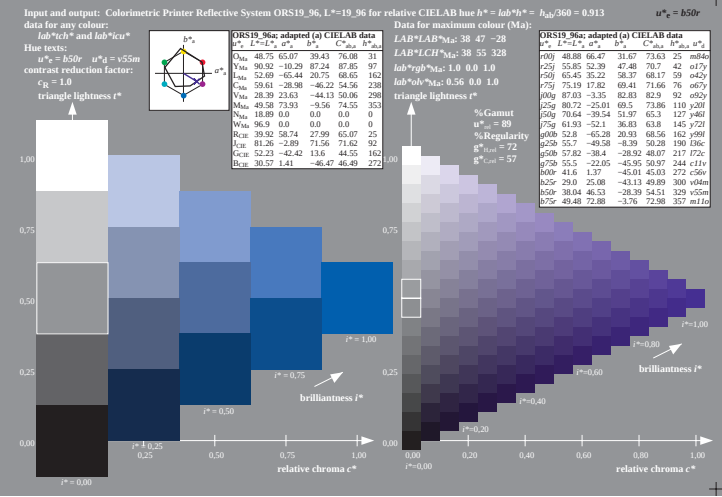
ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_\epsilon = b50r$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = b50r$ $u^*_d = v55m$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 −28
$LAB^*LCH^*_{Ma}$: 38 55 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.56 0.0 1.0



ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

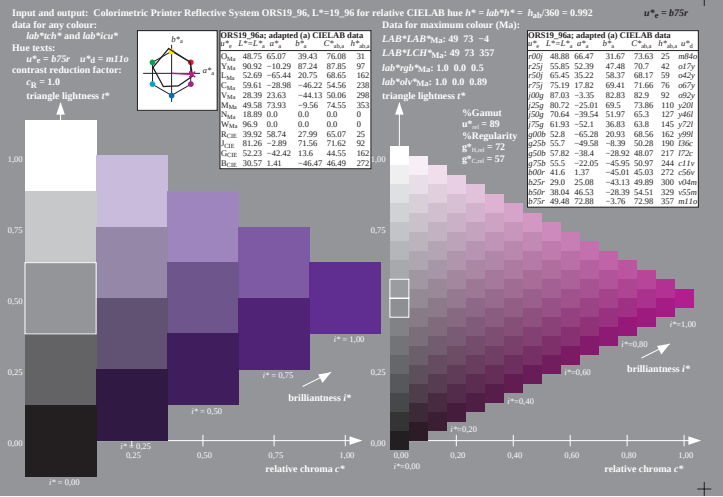
ORS19_96a; adapted (a) CIELAB data

	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_\epsilon = b75r$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_\epsilon = b75r$ $u^*_d = m11o$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −4
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89

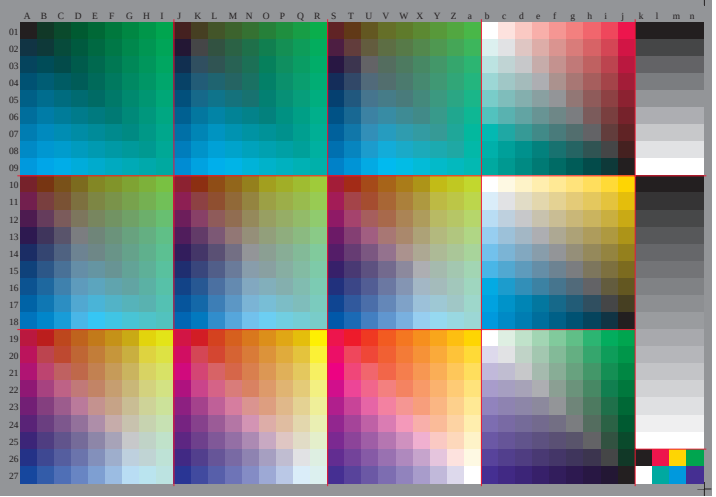


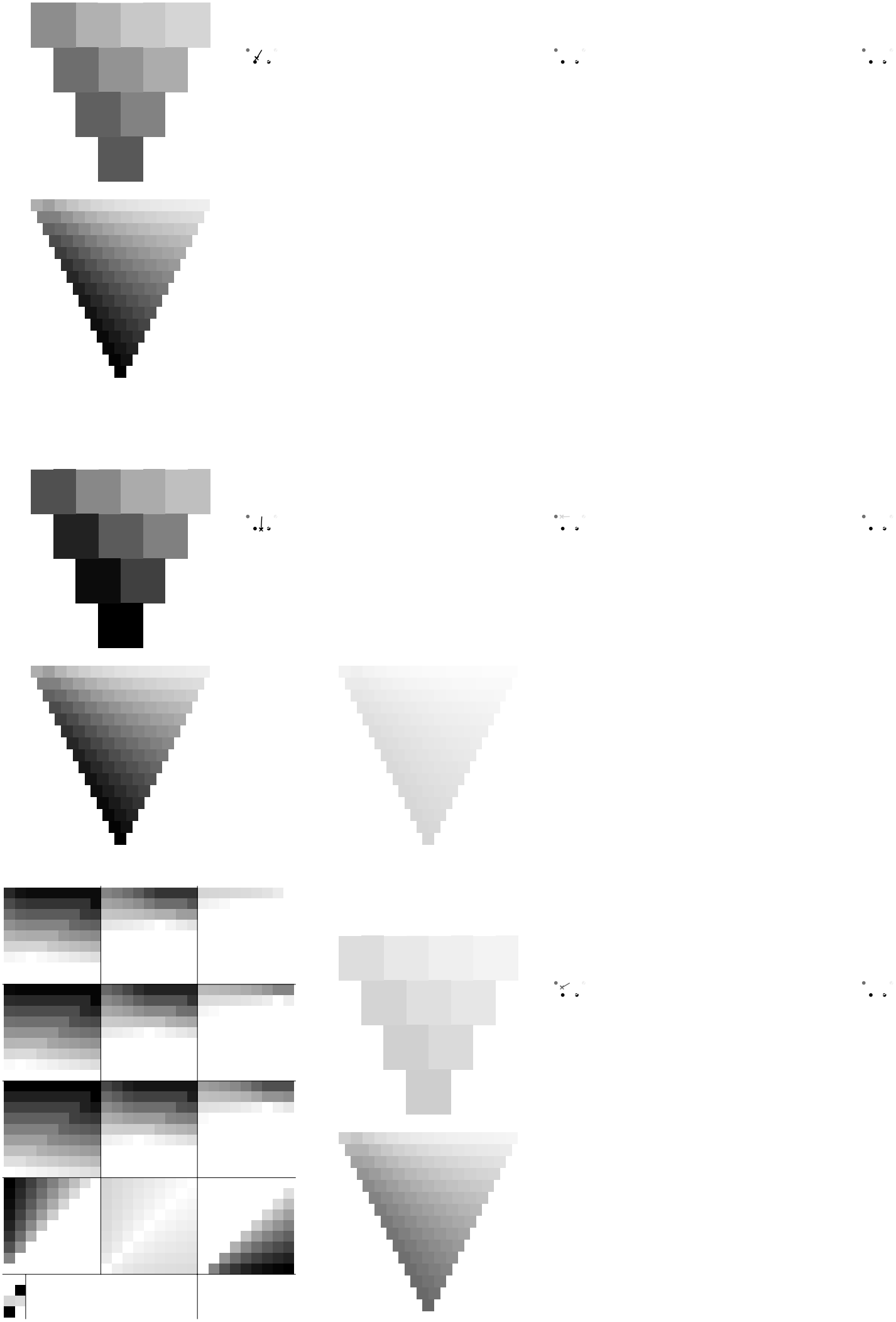
ORS19_96a; adapted (a) CIELAB data

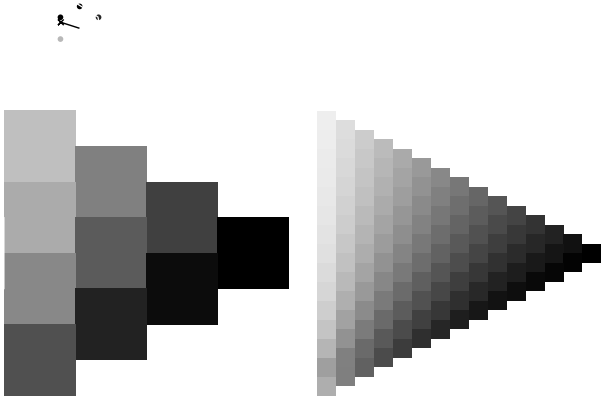
	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
O_{Ma}	48.75	65.07	39.43	76.08	31	m84e
Y_{Ma}	90.92	−10.29	87.24	87.85	97	a17y
L_{Ma}	52.69	−65.44	20.75	68.65	162	o42y
C_{Ma}	59.61	−28.98	−46.22	54.56	238	e67y
V_{Ma}	28.39	23.63	−44.13	50.06	298	d02y
M_{Ma}	49.58	73.93	−9.56	74.55	353	y20l
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

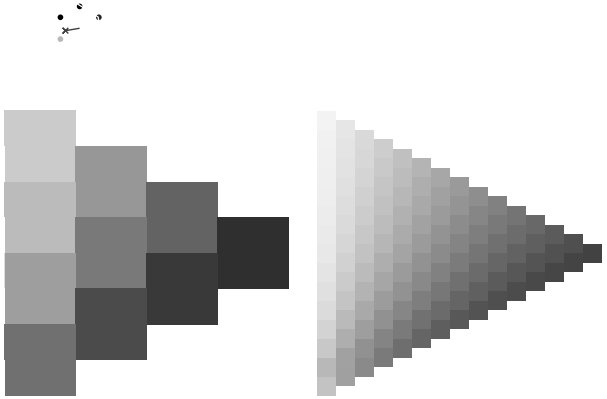
ORS19_96a; adapted (a) CIELAB data

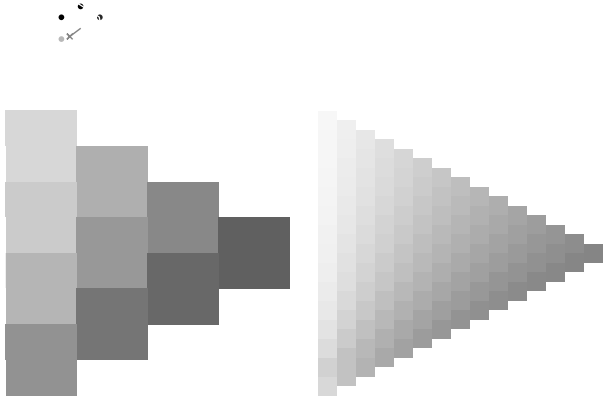
	L^*_{ell}	a^*_{ell}	b^*_{ell}	$C^*_{ab,n}$	$h^*_{ab,n}$	u^*_{ell}
r00	48.88	66.47	31.67	73.63	25	m84e
r25	55.85	52.39	47.48	70.7	42	a17y
r50	65.45	35.22	58.37	68.17	59	o42y
r75	75.19	17.82	69.41	71.66	76	e67y
y00	87.03	−3.35	82.83	82.9	92	e02y
y25	80.72	−25.01	69.5	73.86	110	y20l
y50	70.64	−39.54	51.97	65.3	127	y46l
y75	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

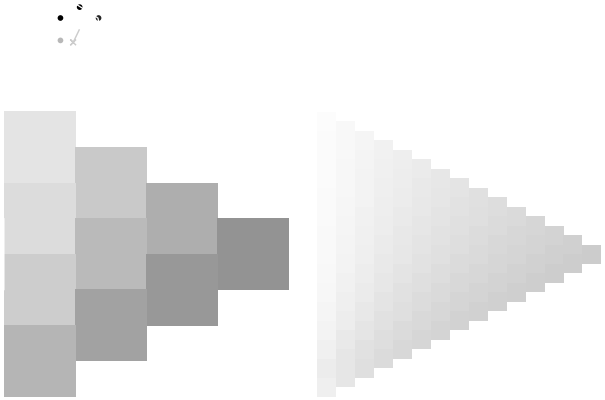


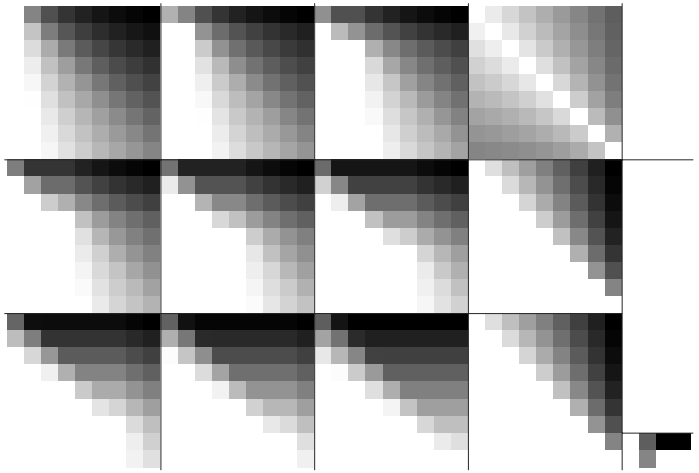








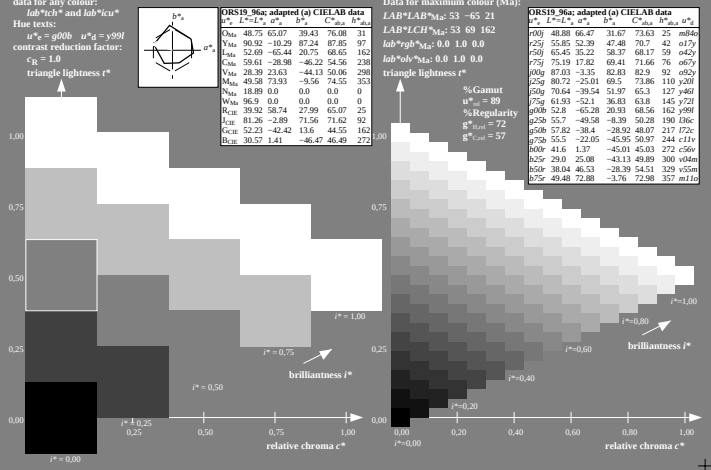




Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_e = g00b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g00b$ $u^*d = y99l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −65 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

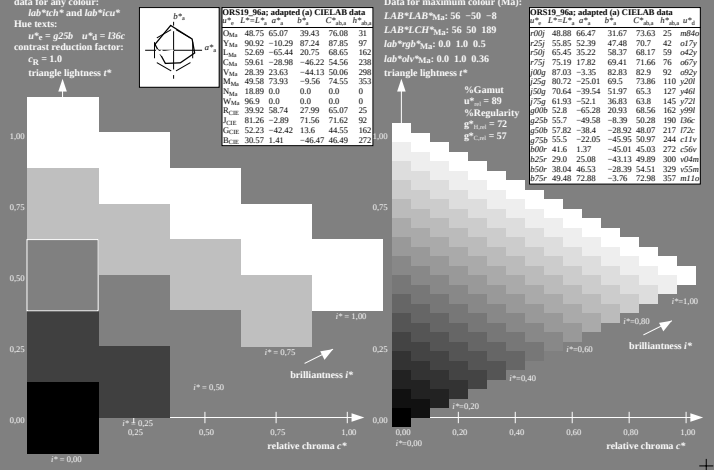
ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o	

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_e = g25b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*d = l36c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −50 −8
$LAB^*LCH^*_{Ma}$: 56 50 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.36
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

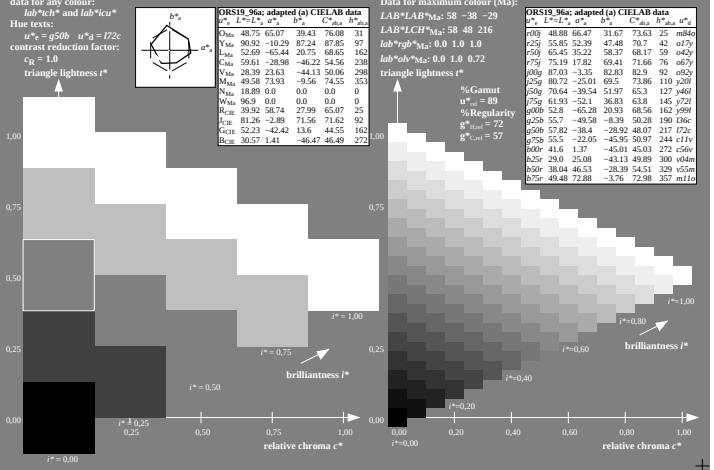
ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o	

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_e = g50b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*d = l72c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −38 −29
$LAB^*LCH^*_{Ma}$: 58 48 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.72
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

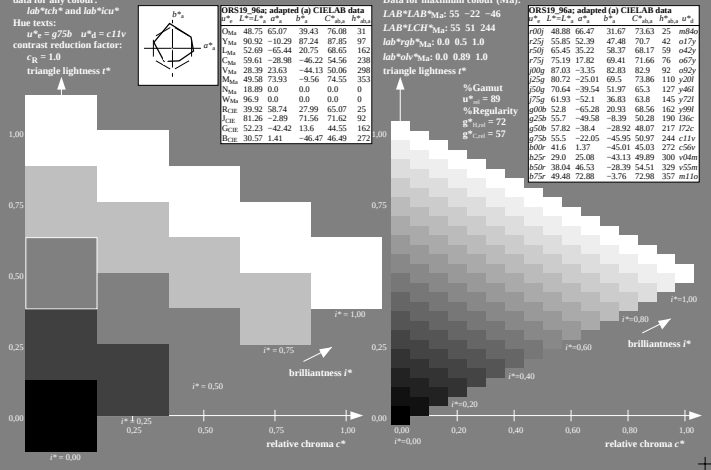
ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o	

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_e = g75b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*d = c11v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −22 −46
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.89 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

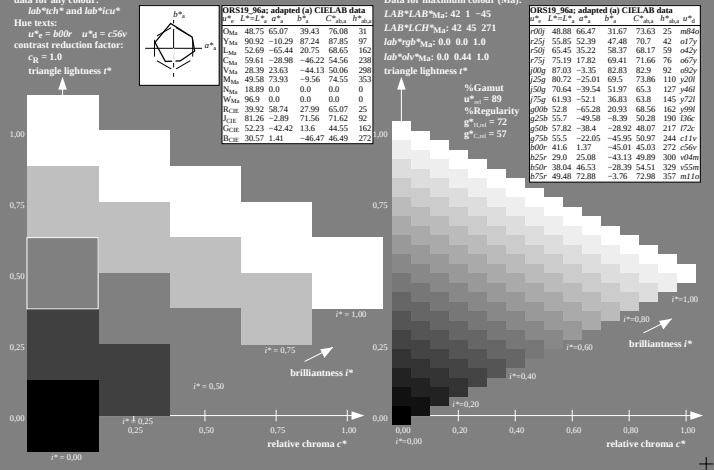
ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o	

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_e = b00r$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b00r$ $u^*d = c56v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −45
$LAB^*LCH^*_{Ma}$: 42 45 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.44 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

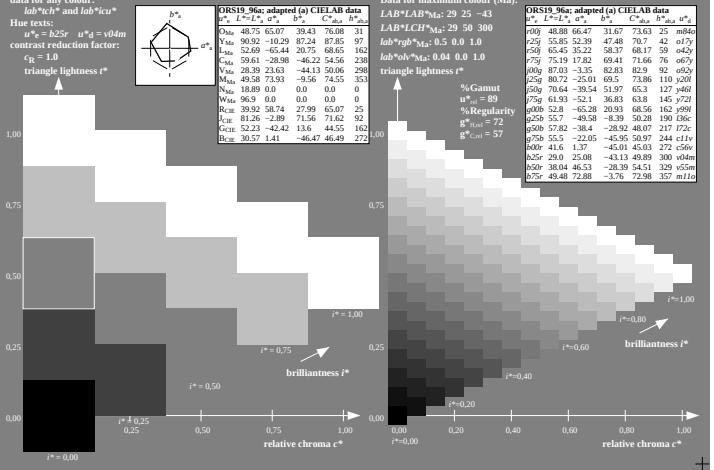
ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o	

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_e = b25r$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b25r$ $u^*d = v04m$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −43
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.04 0.0 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

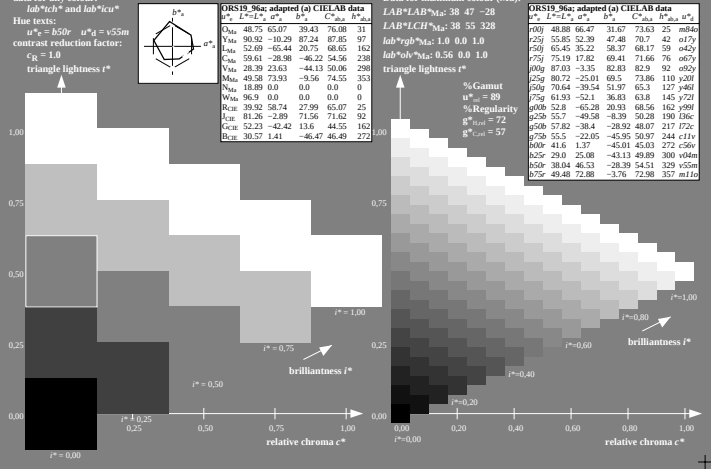
ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o	

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_e = b50r$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b50r$ $u^*d = v55m$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 −28
$LAB^*LCH^*_{Ma}$: 38 55 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.56 0.0 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

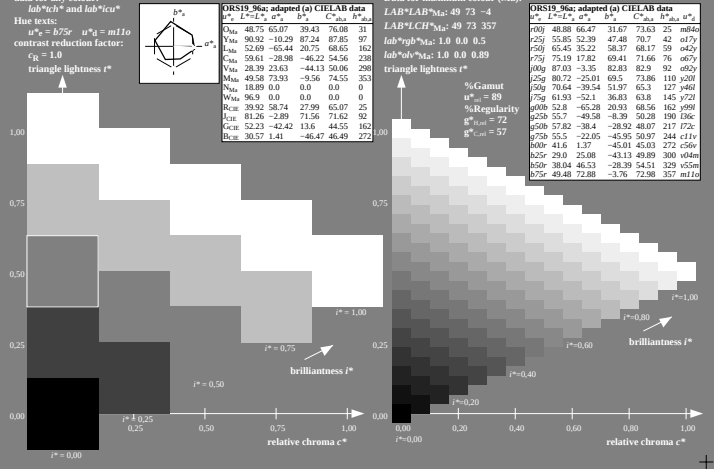
ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o	

Input and output: Colorimetric Printer Reflective System ORS19_96, L*=19_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_e = b75r$

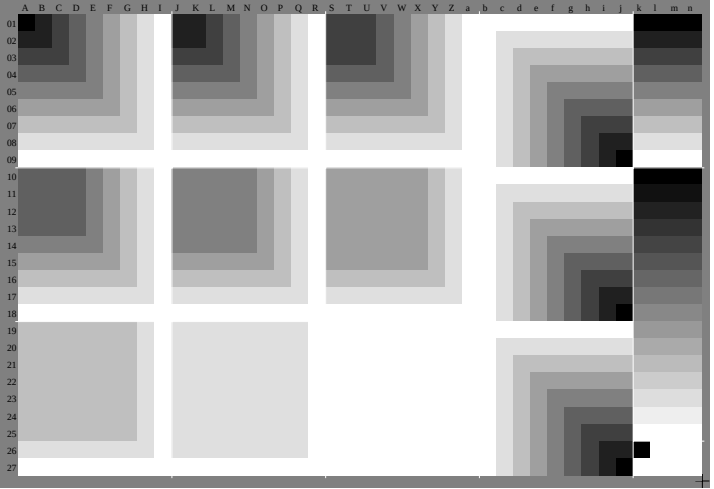
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b75r$ $u^*d = m11o$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −4
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31	
Y_{Ma}	90.92	−10.29	87.24	87.85	97	
L_{Ma}	52.69	−65.44	20.75	68.65	162	
C_{Ma}	59.61	−28.98	−46.22	54.56	238	
V_{Ma}	28.39	23.63	−44.13	50.06	298	
M_{Ma}	49.58	73.93	−9.56	74.55	353	
N_{Ma}	18.89	0.0	0.0	0.0	0	
W_{Ma}	96.9	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

ORS19_96a; adapted (a) CIELAB data

	L^*	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{gt}
r00	48.88	66.47	31.67	73.63	25	m84e	
r25	55.85	52.39	47.48	70.7	42	o17y	
r50	65.45	35.22	58.37	68.17	59	o42y	
r75	75.19	17.82	69.41	71.66	76	o67y	
y00	87.03	−3.35	82.83	82.9	92	o92y	
y25	80.72	−25.01	69.5	73.86	110	y20l	
y50	70.64	−39.54	51.97	65.3	127	y46l	
y75	61.93	−52.1	36.83	63.8	145	y72l	
g00b	52.8	−65.28	20.93	68.56	162	y99l	
g25b	55.7	−49.58	−8.39	50.28	190	l36c	
g50b	57.82	−38.4	−28.92	48.07	217	l72c	
g75b	55.5	−22.05	−45.95	50.97	244	c11v	
b00r	41.6	1.37	−45.01	45.03	272	c56v	
b25r	29.0	25.08	−43.13	49.89	300	v04m	
b50r	38.04	46.53	−28.39	54.51	329	v55m	
b75r	49.48	72.88	−3.76	72.98	357	m11o