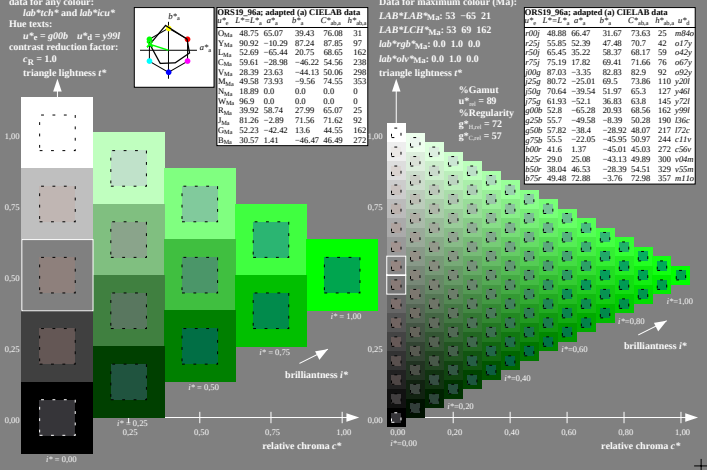
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.451$ $u^*_c = g00b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_c = g00b$ $u^*_d = y99l$
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

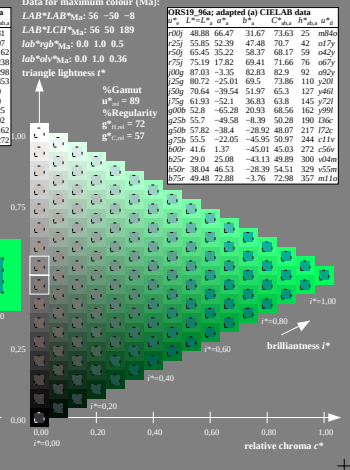
	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0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

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.527$ $u^*_c = g25b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_c = g25b$ $u^*_d = l36c$
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

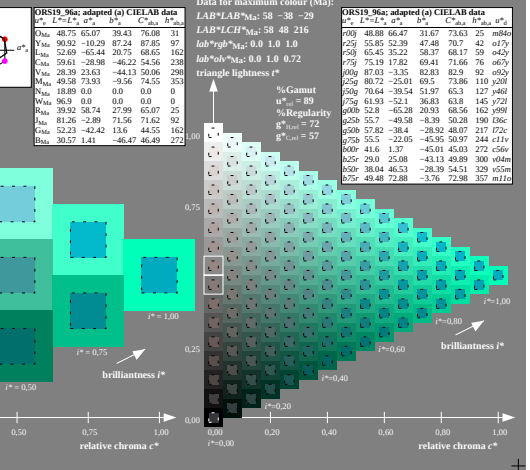
	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0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

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.603$ $u^*_c = g50b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_c = g50b$ $u^*_d = l72c$
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

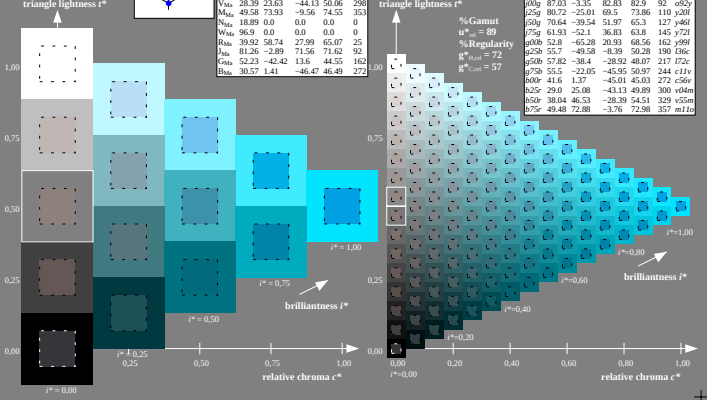
	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0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

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.679$ $u^*_c = g75b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_c = g75b$ $u^*_d = c11v$
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

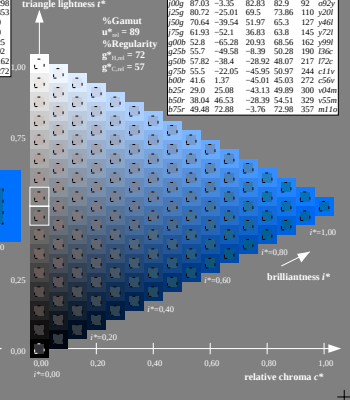
	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0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

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.755$ $u^*_c = b00r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_c = b00r$ $u^*_d = c56v$
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

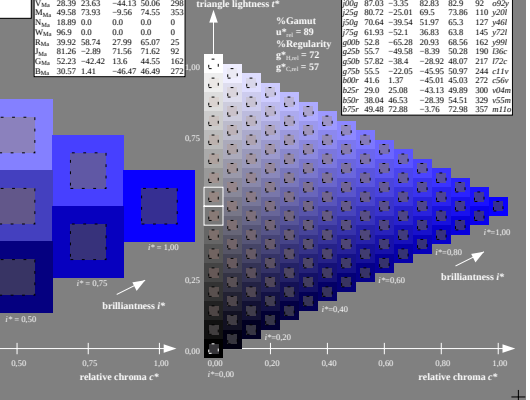
	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0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

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.834$ $u^*_c = b25r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_c = b25r$ $u^*_d = v04m$
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

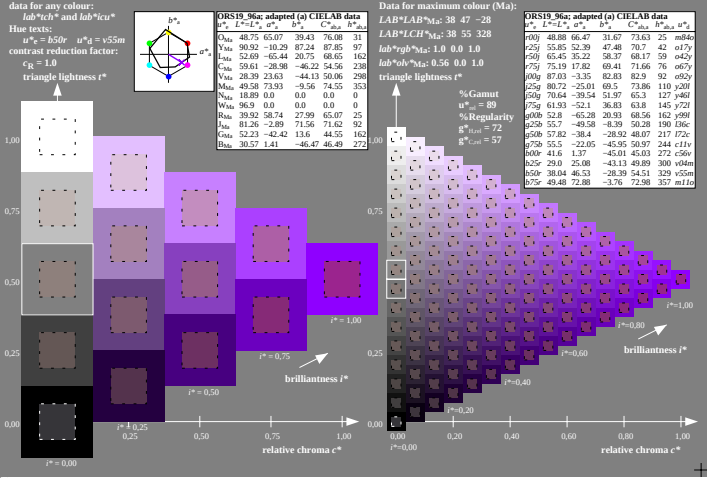
	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0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

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.913$ $u^*_c = b50r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_c = b50r$ $u^*_d = v55m$
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

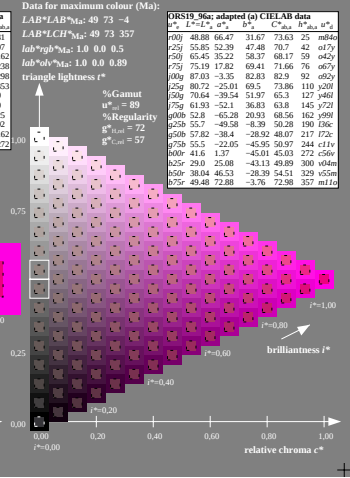
	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0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

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.992$ $u^*_c = b75r$

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

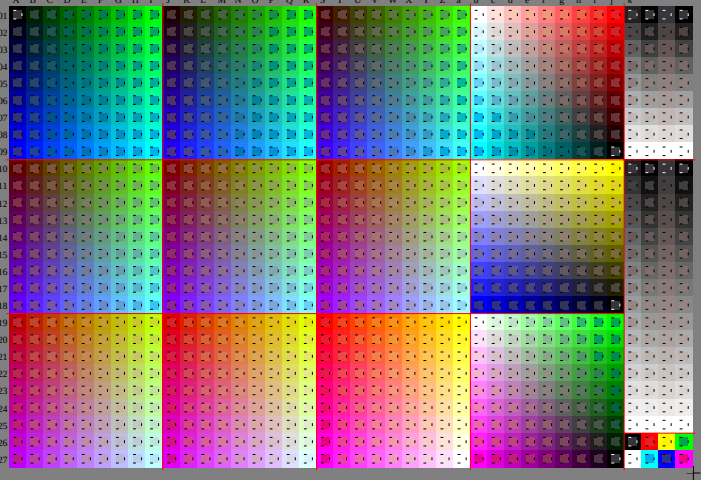
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −4
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	C^*	h^*	$C^*_{ab,n}$	$h^*_{ab,n}$	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

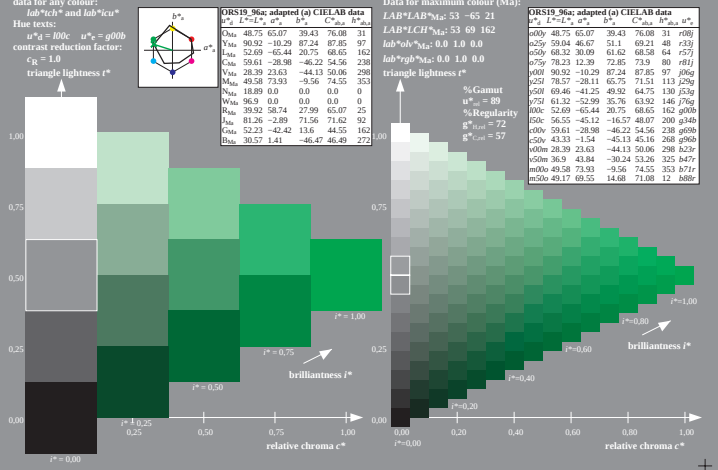


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.451$ $u^*_d = g00b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = g00b$
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
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

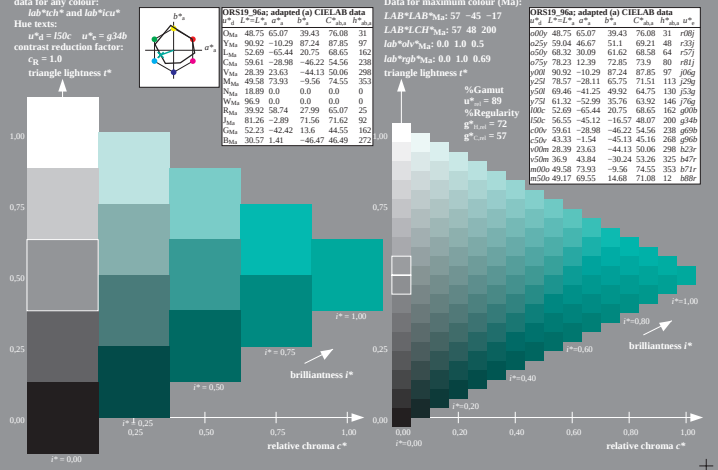
u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.556$ $u^*_d = g25b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = l50c$ $u^*_e = g34b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 57 −45 −17
$LAB^*LCH^*_{Ma}$: 57 48 200
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

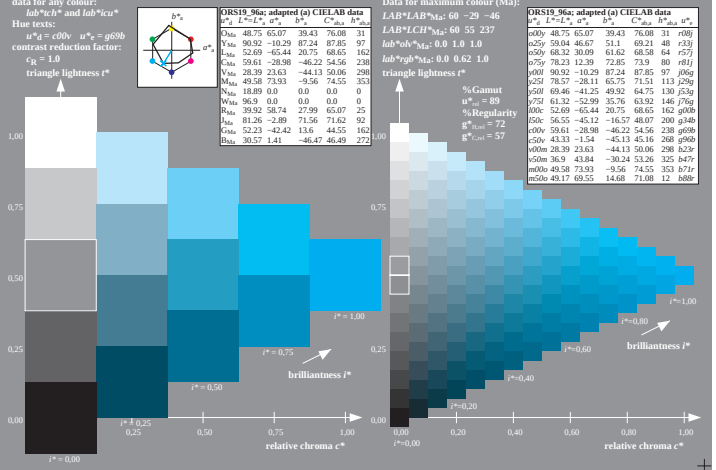
u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.661$ $u^*_d = g50b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = c00v$ $u^*_e = g69b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 60 −29 −46
$LAB^*LCH^*_{Ma}$: 60 55 237
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

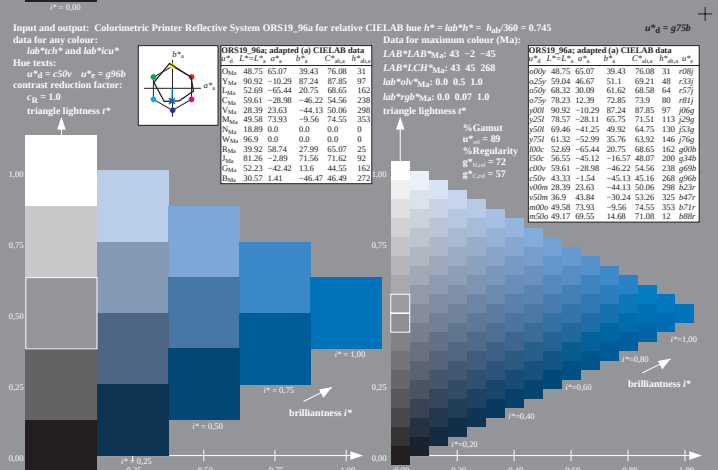
u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.745$ $u^*_d = g75b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = c50v$ $u^*_e = g96b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 43 −2 −45
$LAB^*LCH^*_{Ma}$: 43 45 268
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

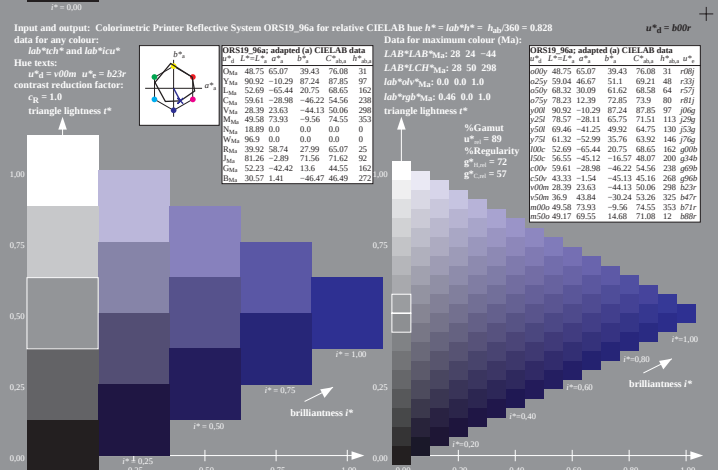
u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.828$ $u^*_d = b00r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b23r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 28 24 −44
$LAB^*LCH^*_{Ma}$: 28 50 298
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.46 0.0 1.0

%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

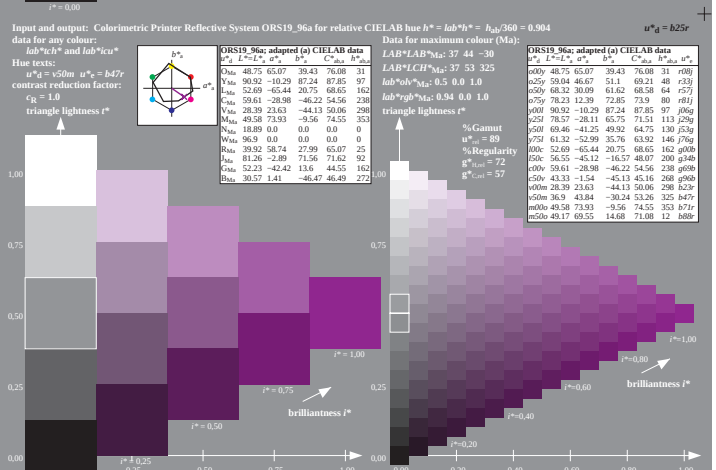
u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.904$ $u^*_d = b25r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 37 44 −30
$LAB^*LCH^*_{Ma}$: 37 53 325
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

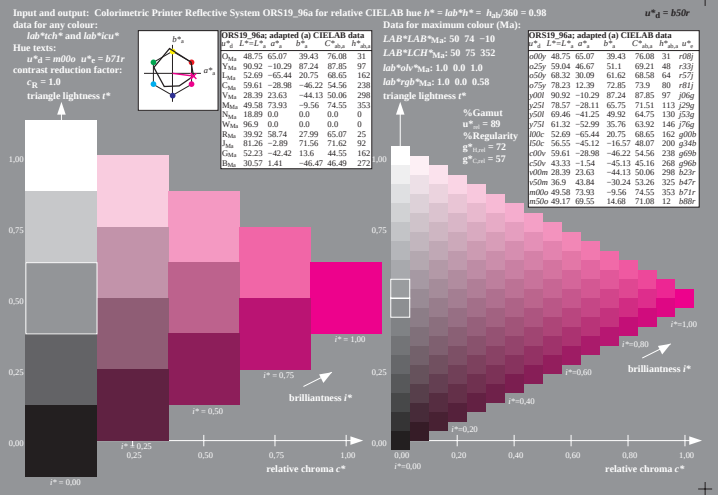
u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.98$ $u^*_d = b50r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 74 −10
$LAB^*LCH^*_{Ma}$: 50 75 352
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.58

%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

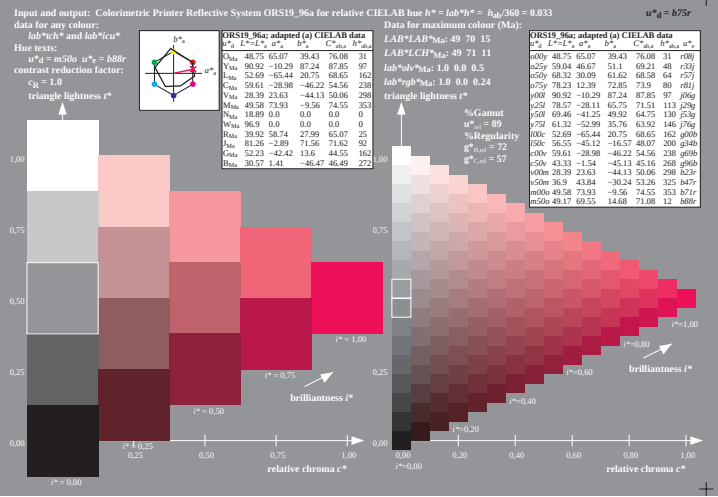
u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.033$ $u^*_d = b75r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b88r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 70 15
$LAB^*LCH^*_{Ma}$: 49 71 11
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

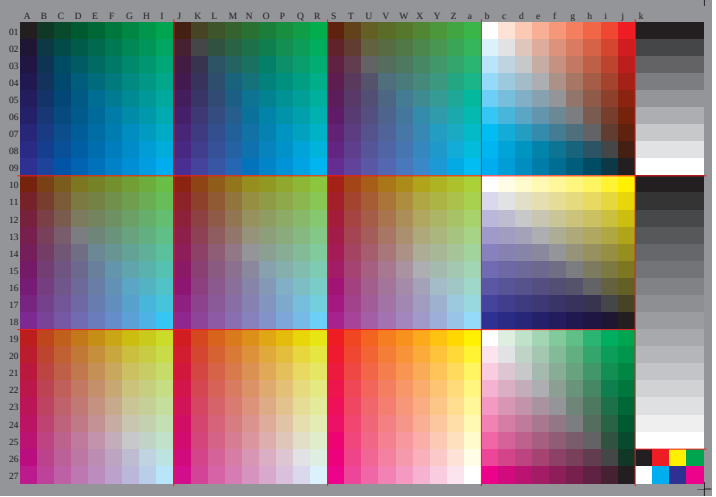
%Gamut $u^*_{eu} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

u^*_d	$L^*=L^*_e$	a^*_e	b^*_e	C^*_{dab}	h^*_{dab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
e25y	59.04	46.67	51.1	69.21	48	r33j
e50y	68.32	30.09	61.62	68.58	64	r57j
e75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g69b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23r
v50m	36.9	43.84	−30.24	53.26	325	b47r
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.451$

data for any colour: *lab*ch* and lab*icu**

Hue texts: $u^*_d = l00c \quad u^*_e = g00b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

$u^*_d = g00b$

*lab*olv**

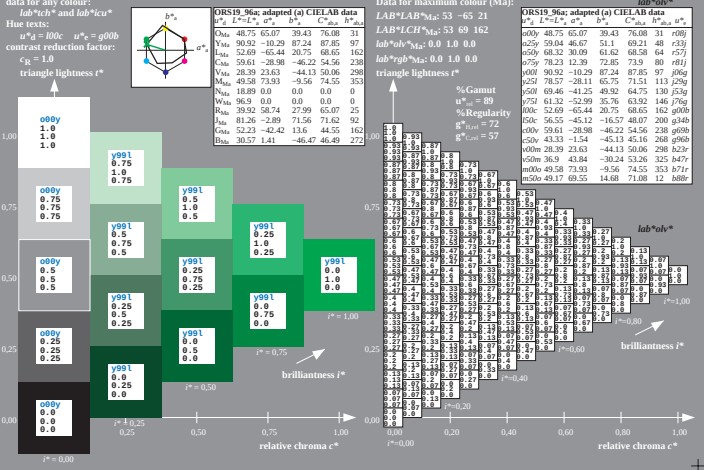
Data for maximum colour (Ma):

*LAB*LAB*Ma*: 53 −65 21

*LAB*LCH*Ma*: 53 69 162

*lab*olv*Ma*: 0.0 1.0 0.0

*lab*rgb*Ma*: 0.0 1.0 0.0


b*
a*
c00y
c00y
c00y
c00y
c00y
c00y
c00y
c00y
y99l
y99l
y99l

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_d = g00b$ lab*rgb*

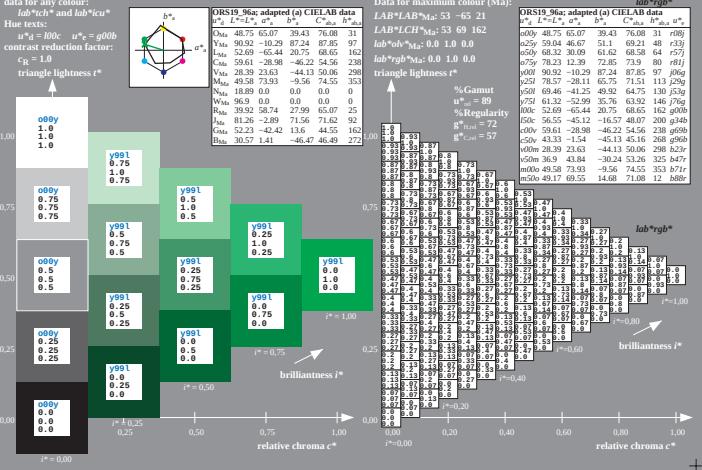
data for any colour: lab*ch* and lab*icu*

Hue texts: $u^*_d = l00c$ $u^*_e = g00b$

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 $lab^*ov^*_{Ma}$: 0.0 1.0 0.0 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$ $u^*_d = g25b$ lab*rgb*

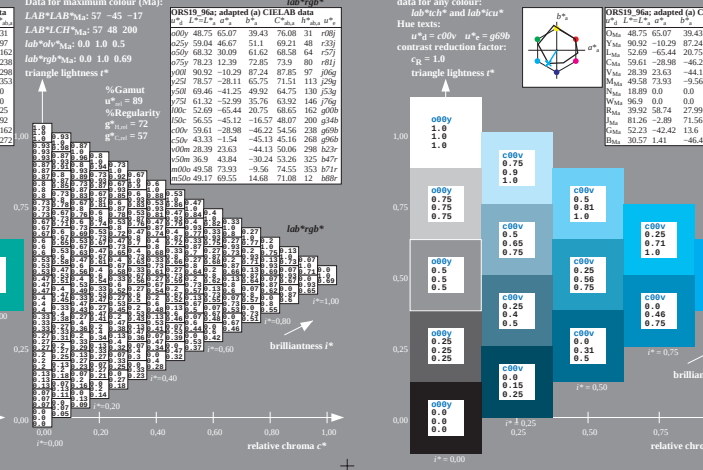
data for any colour: lab*ch* and lab*icu*

Hue texts: $u^*_d = l50c$ $u^*_e = g34b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 57 −45 −17 $LAB^*LCH^*_{Ma}$: 57 48 200 $lab^*ov^*_{Ma}$: 0.0 1.0 0.5 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.69



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$ $u^*_d = g50b$ lab*rgb*

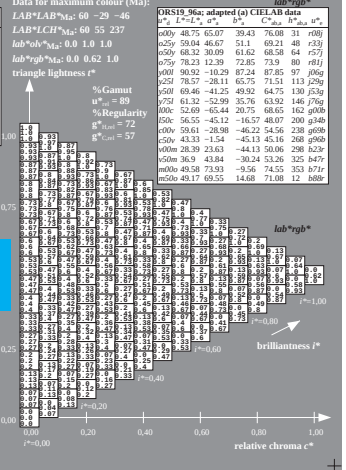
data for any colour: lab*ch* and lab*icu*

Hue texts: $u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 60 −29 −46 $LAB^*LCH^*_{Ma}$: 60 55 237 $lab^*ov^*_{Ma}$: 0.0 1.0 1.0 $lab^*rgb^*_{Ma}$: 0.0 0.62 1.0



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$ $u^*_d = g75b$ lab*rgb*

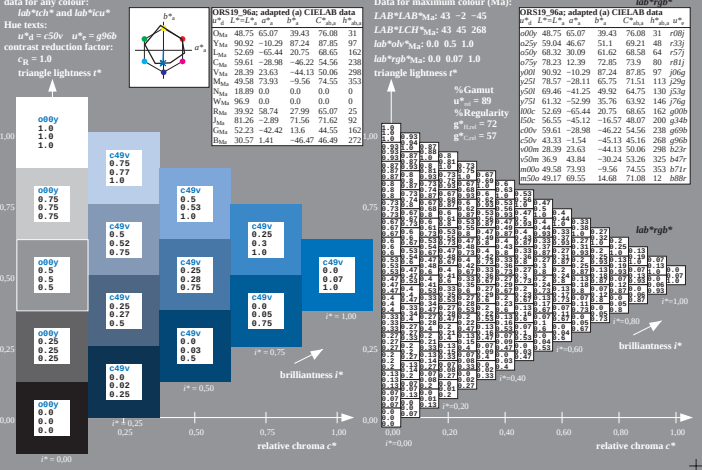
data for any colour: lab*ch* and lab*icu*

Hue texts: $u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 43 −2 −45 $LAB^*LCH^*_{Ma}$: 43 45 268 $lab^*ov^*_{Ma}$: 0.0 0.5 1.0 $lab^*rgb^*_{Ma}$: 0.0 0.07 1.0



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$ $u^*_d = b00r$ lab*rgb*

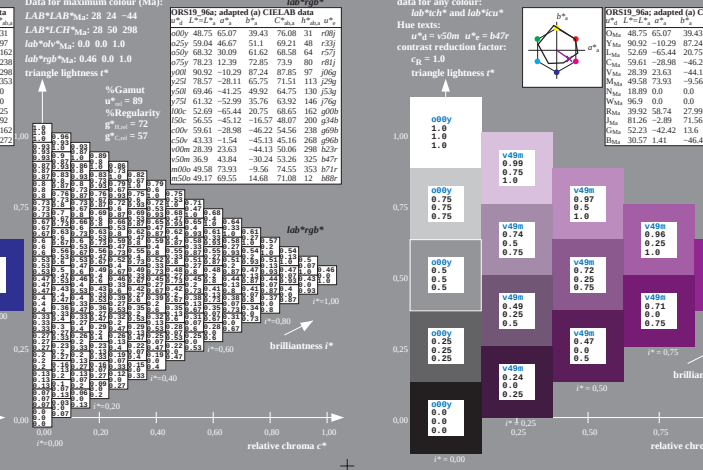
data for any colour: lab*ch* and lab*icu*

Hue texts: $u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 28 24 −44 $LAB^*LCH^*_{Ma}$: 28 50 298 $lab^*ov^*_{Ma}$: 0.0 0.0 1.0 $lab^*rgb^*_{Ma}$: 0.46 0.0 1.0



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$ $u^*_d = b25r$ lab*rgb*

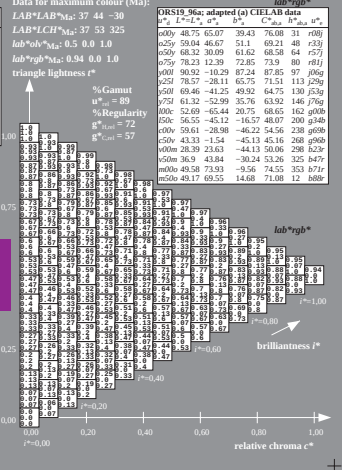
data for any colour: lab*ch* and lab*icu*

Hue texts: $u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 37 44 −30 $LAB^*LCH^*_{Ma}$: 37 53 325 $lab^*ov^*_{Ma}$: 0.5 0.0 1.0 $lab^*rgb^*_{Ma}$: 0.94 0.0 1.0



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$ $u^*_d = b50r$ lab*rgb*

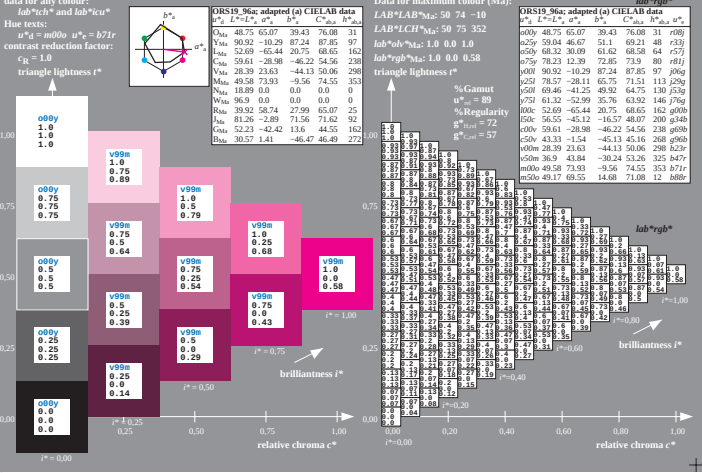
data for any colour: lab*ch* and lab*icu*

Hue texts: $u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 50 74 −10 $LAB^*LCH^*_{Ma}$: 50 75 352 $lab^*ov^*_{Ma}$: 1.0 0.0 1.0 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.58



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$ $u^*_d = b75r$ lab*rgb*

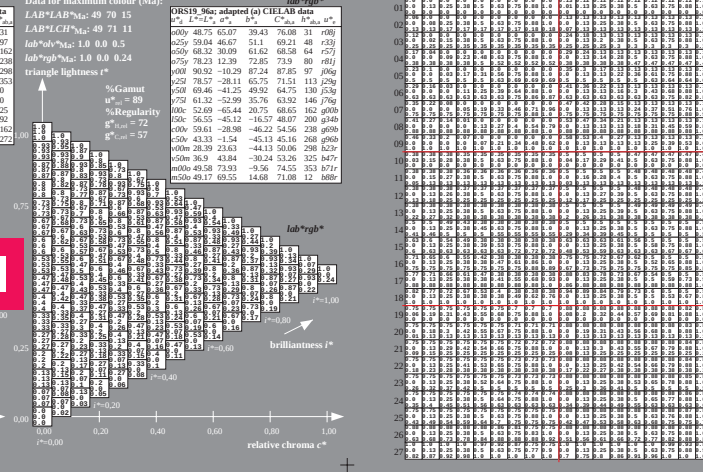
data for any colour: lab*ch* and lab*icu*

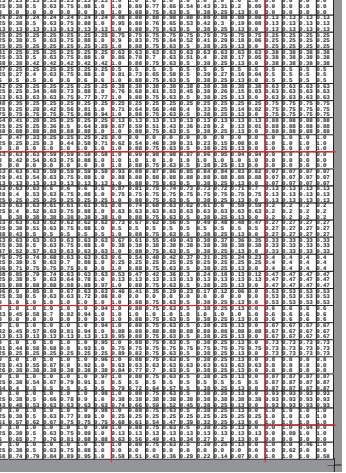
Hue texts: $u^*_d = m50o$ $u^*_e = b88r$

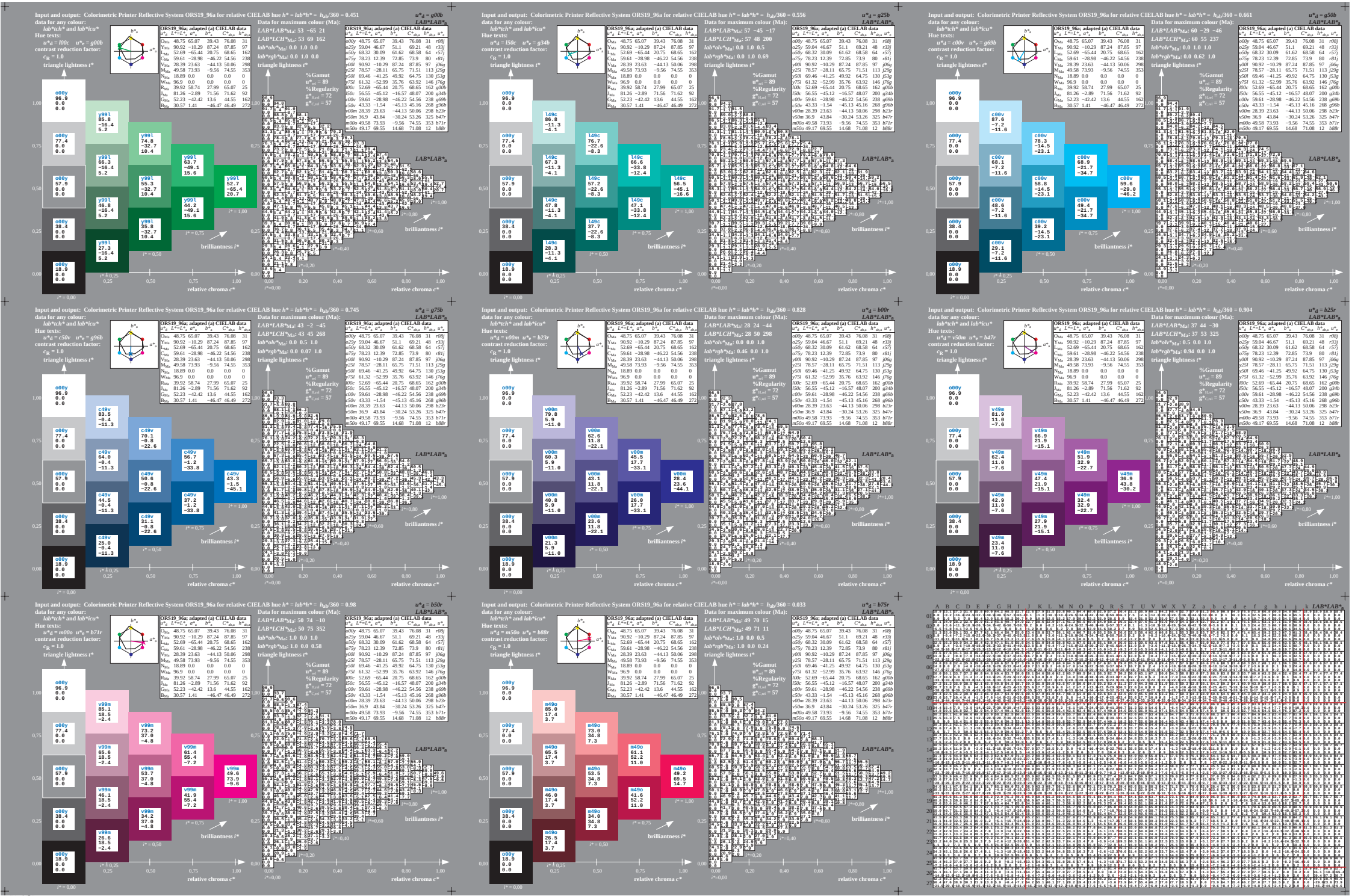
contrast reduction factor: $c_R = 1.0$

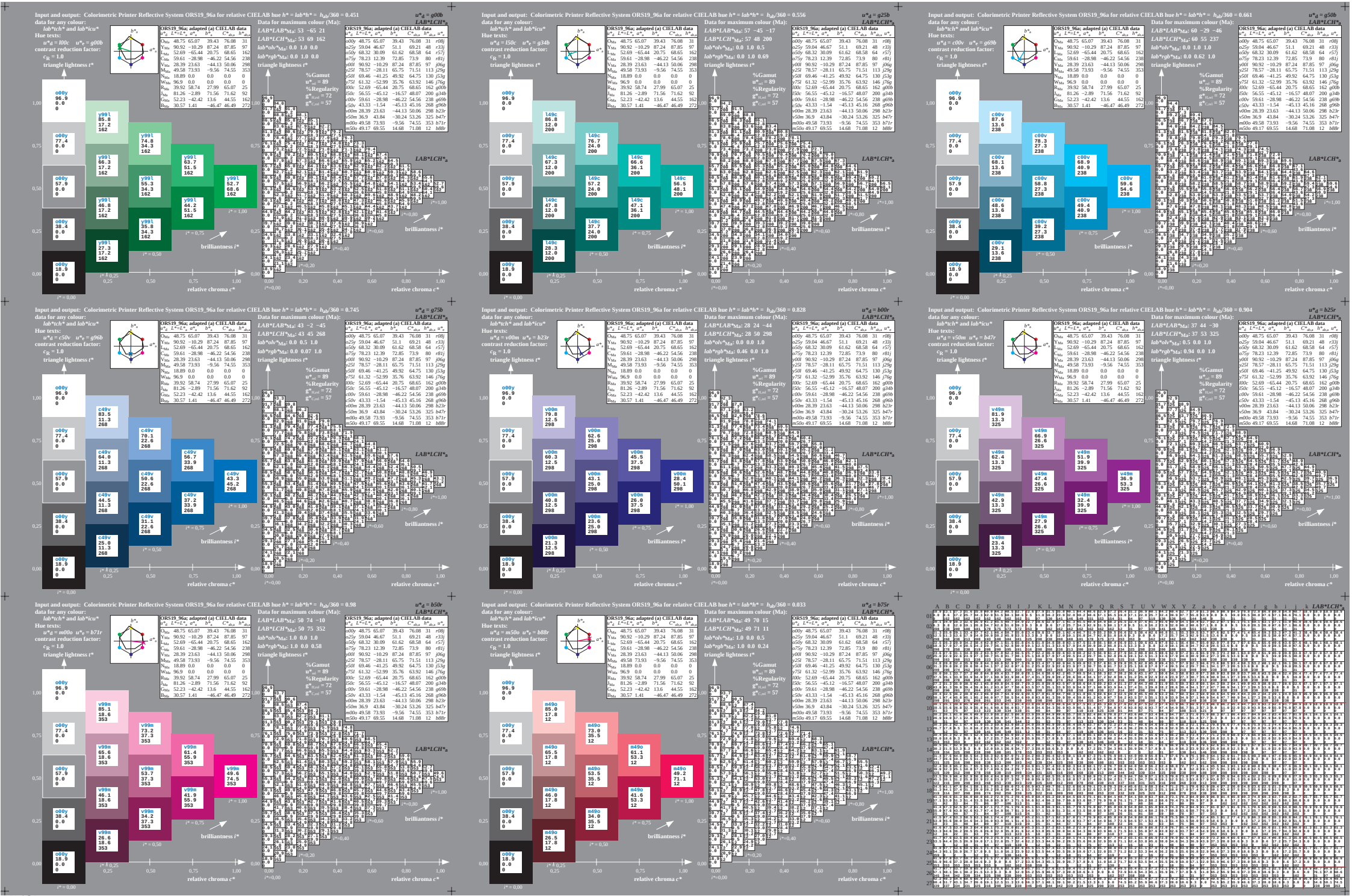
triangle lightness t^*

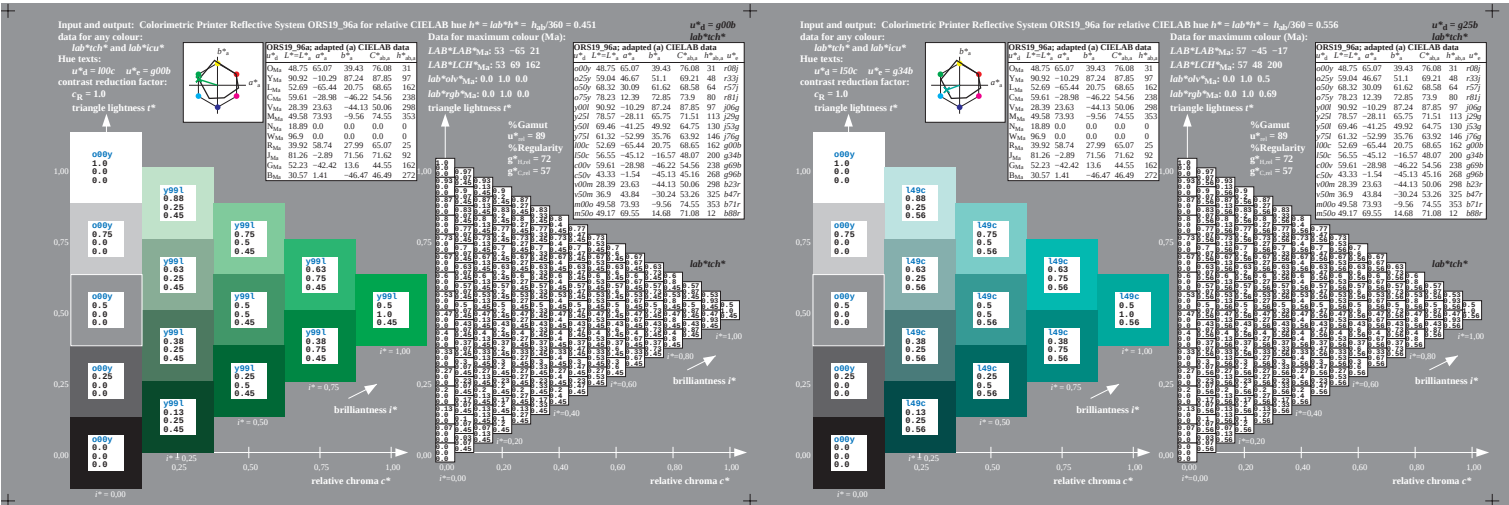
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 49 70 15 $LAB^*LCH^*_{Ma}$: 49 71 11 $lab^*ov^*_{Ma}$: 1.0 0.0 0.5 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.24



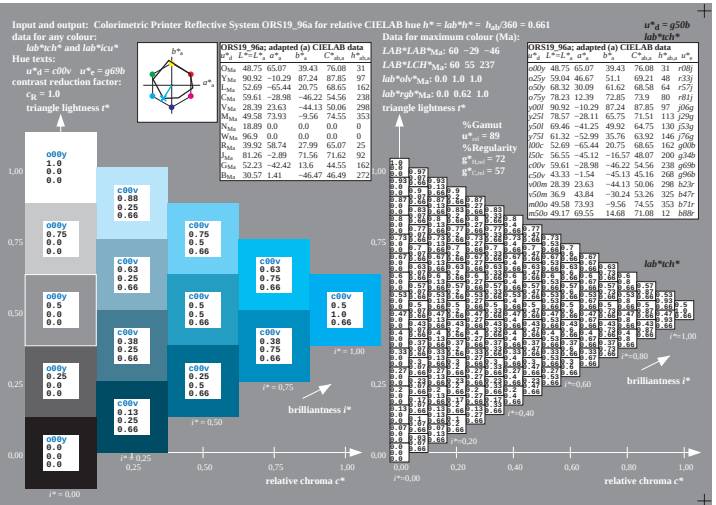


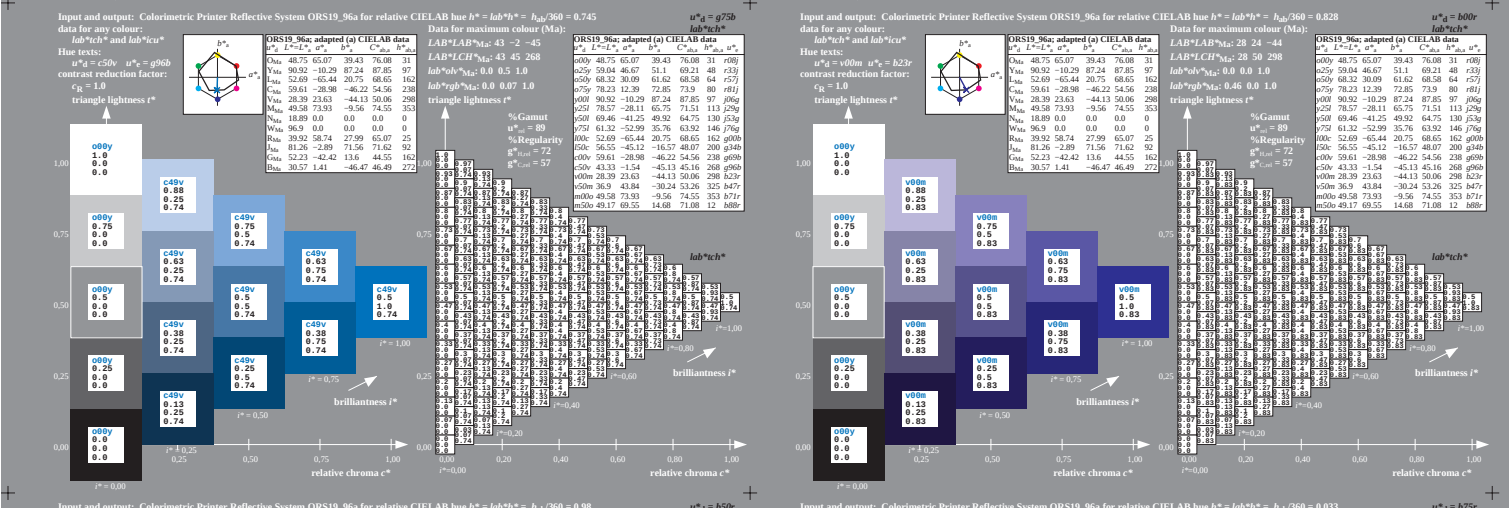

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.451
u*d = g00b
LAB*LAB*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l00c u*e = g00b
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 53 −65 21
LAB*LCH*Ma: 53 69 162
lab*olv*Ma: 0.0 1.0 0.0
lab*rgb*Ma: 0.0 1.0 0.0
%Gamut
u*a = 89
%Regularity
g*H,rel = 72
g*C,rel = 57
ORS19_96a; adapted (a) CIELAB data
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.556
u*d = g25b
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 −45 −17
LAB*LCH*Ma: 57 48 200
lab*olv*Ma: 0.0 1.0 0.5
lab*rgb*Ma: 0.0 1.0 0.69
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.661
u*d = g50b
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 60 −29 −46
LAB*LCH*Ma: 60 55 237
lab*olv*Ma: 0.0 1.0 1.0
lab*rgb*Ma: 0.0 0.62 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.745
u*d = g75b
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 43 −2 −45
LAB*LCH*Ma: 43 45 268
lab*olv*Ma: 0.0 0.5 1.0
lab*rgb*Ma: 0.0 0.07 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.828
u*d = b00r
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 28 24 −44
LAB*LCH*Ma: 28 50 298
lab*olv*Ma: 0.0 0.0 1.0
lab*rgb*Ma: 0.46 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.904
u*d = b25r
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 37 44 −30
LAB*LCH*Ma: 37 53 325
lab*olv*Ma: 0.5 0.0 1.0
lab*rgb*Ma: 0.94 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.98
u*d = b50r
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 50 74 −10
LAB*LCH*Ma: 50 75 352
lab*olv*Ma: 1.0 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.58
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.033
u*d = b75r
LAB*LAB*a
Data for maximum colour (Ma):
LAB*LAB*Ma: 49 70 15
LAB*LCH*Ma: 49 71 11
lab*olv*Ma: 1.0 0.0 0.5
lab*rgb*Ma: 1.0 0.0 0.24


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.451
u*_d = g00b
LAB*LCH*_d
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = l00c u*_c = g00b
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*olv*_Ma: 0.0 1.0 0.0
lab*rgb*_Ma: 0.0 1.0 0.0
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.556
u*_d = g25b
LAB*LCH*_d
Data for maximum colour (Ma):
LAB*LAB*_Ma: 57 −45 −17
LAB*LCH*_Ma: 57 48 200
lab*olv*_Ma: 0.0 1.0 0.5
lab*rgb*_Ma: 0.0 1.0 0.69
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.661
u*_d = g50b
LAB*LCH*_d
Data for maximum colour (Ma):
LAB*LAB*_Ma: 60 −29 −46
LAB*LCH*_Ma: 60 55 237
lab*olv*_Ma: 0.0 1.0 1.0
lab*rgb*_Ma: 0.0 0.62 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.745
u*_d = g75b
LAB*LCH*_d
Data for maximum colour (Ma):
LAB*LAB*_Ma: 43 −2 −45
LAB*LCH*_Ma: 43 45 268
lab*olv*_Ma: 0.0 0.5 1.0
lab*rgb*_Ma: 0.0 0.07 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.828
u*_d = b00r
LAB*LCH*_d
Data for maximum colour (Ma):
LAB*LAB*_Ma: 28 24 −44
LAB*LCH*_Ma: 28 50 298
lab*olv*_Ma: 0.0 0.0 1.0
lab*rgb*_Ma: 0.46 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.904
u*_d = b25r
LAB*LCH*_d
Data for maximum colour (Ma):
LAB*LAB*_Ma: 37 44 −30
LAB*LCH*_Ma: 37 53 325
lab*olv*_Ma: 0.5 0.0 1.0
lab*rgb*_Ma: 0.94 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.98
u*_d = b50r
LAB*LCH*_d
Data for maximum colour (Ma):
LAB*LAB*_Ma: 50 74 −10
LAB*LCH*_Ma: 50 75 352
lab*olv*_Ma: 1.0 0.0 1.0
lab*rgb*_Ma: 1.0 0.0 0.58
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.033
u*_d = b75r
LAB*LCH*_d
Data for maximum colour (Ma):
LAB*LAB*_Ma: 49 70 15
LAB*LCH*_Ma: 49 71 11
lab*olv*_Ma: 1.0 0.0 0.5
lab*rgb*_Ma: 1.0 0.0 0.24

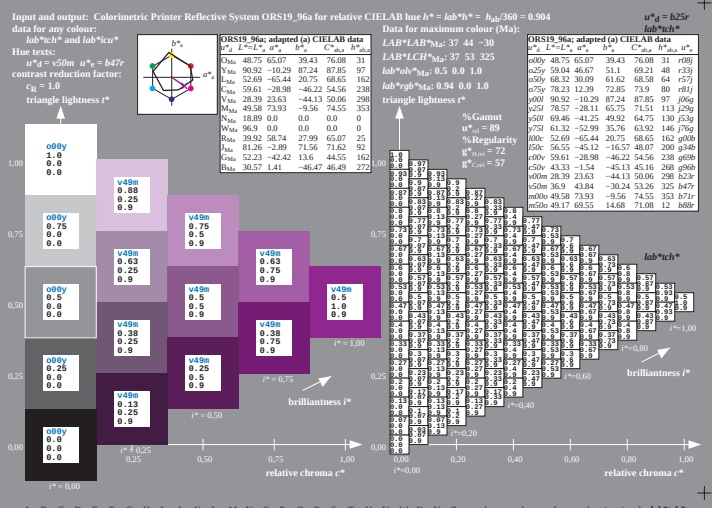

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.451
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = l00c u*_e = g00b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = g00b
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 53 −65 21
LAB*LCH*_Ma: 53 69 162
lab*olv*_Ma: 0.0 1.0 0.0
lab*rgb*_Ma: 0.0 1.0 0.0
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*

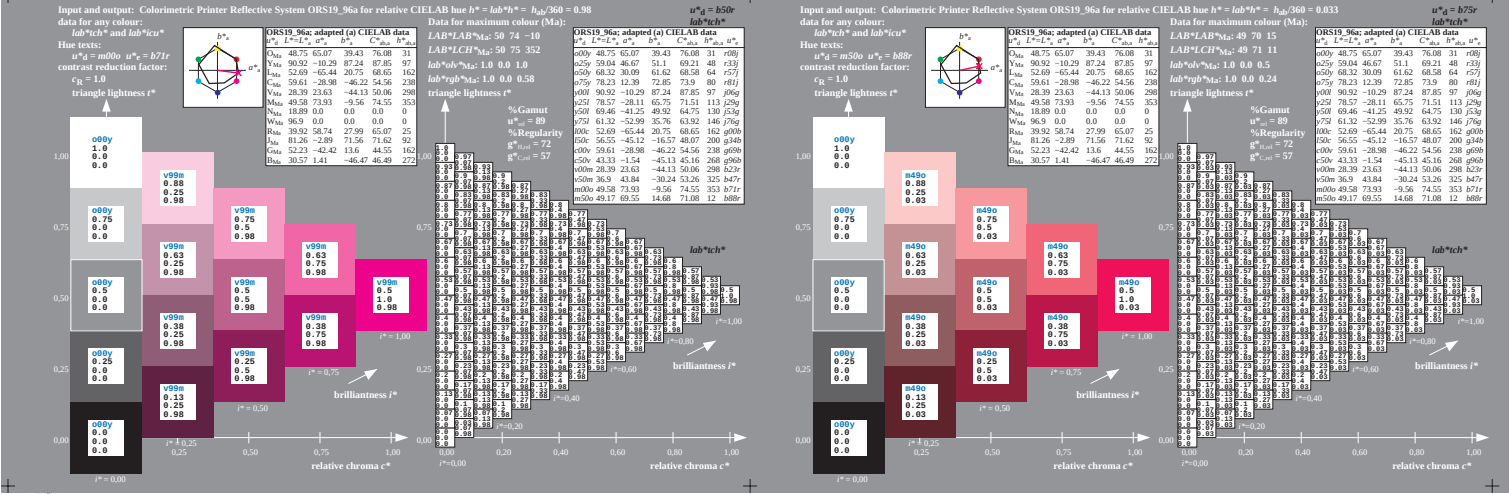
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.556
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = l50c u*_e = g34b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = g25b
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 57 −45 −17
LAB*LCH*_Ma: 57 48 200
lab*olv*_Ma: 0.0 1.0 0.5
lab*rgb*_Ma: 0.0 1.0 0.69
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.661
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = c00v u*_e = g69b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = g50b
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 60 −29 −46
LAB*LCH*_Ma: 60 55 237
lab*olv*_Ma: 0.0 1.0 1.0
lab*rgb*_Ma: 0.0 0.62 1.0
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*

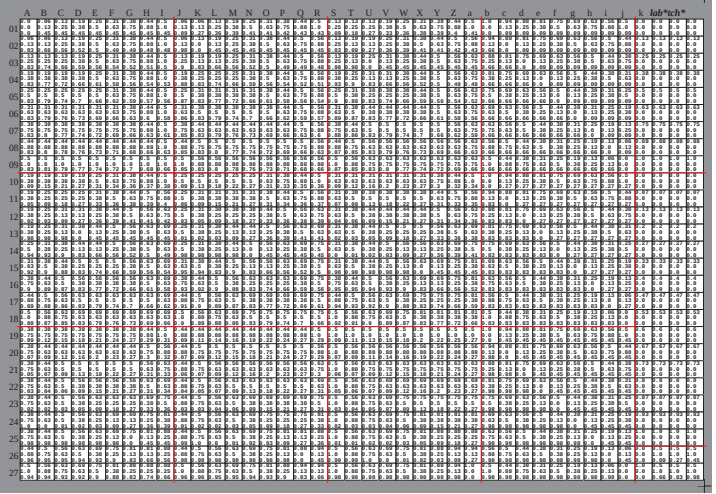

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.745
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = c50v u*_e = g96b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = g75b
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 43 −2 −45
LAB*LCH*_Ma: 43 45 268
lab*olv*_Ma: 0.0 0.5 1.0
lab*rgb*_Ma: 0.0 0.07 1.0
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*

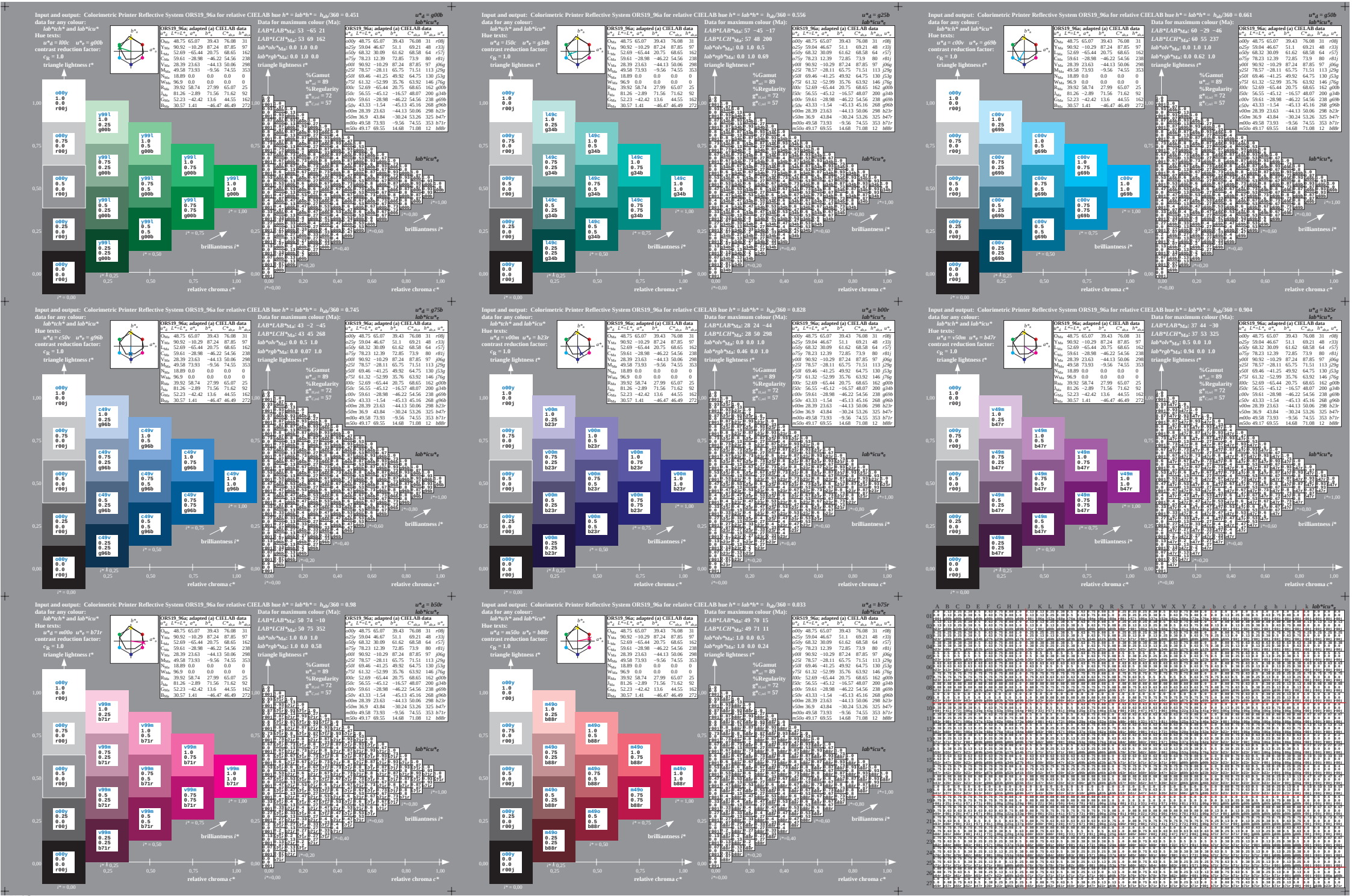
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.828
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = v00m u*_e = b23r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = b00r
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 28 24 −44
LAB*LCH*_Ma: 28 50 298
lab*olv*_Ma: 0.0 0.0 1.0
lab*rgb*_Ma: 0.46 0.0 1.0
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*

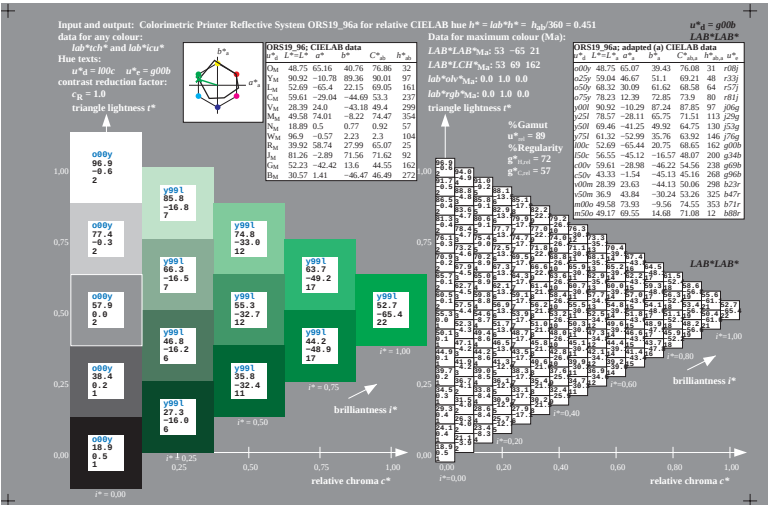

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.904
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = v50m u*_e = b47r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = b25r
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 37 44 −30
LAB*LCH*_Ma: 37 53 325
lab*olv*_Ma: 0.5 0.0 1.0
lab*rgb*_Ma: 0.94 0.0 1.0
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*

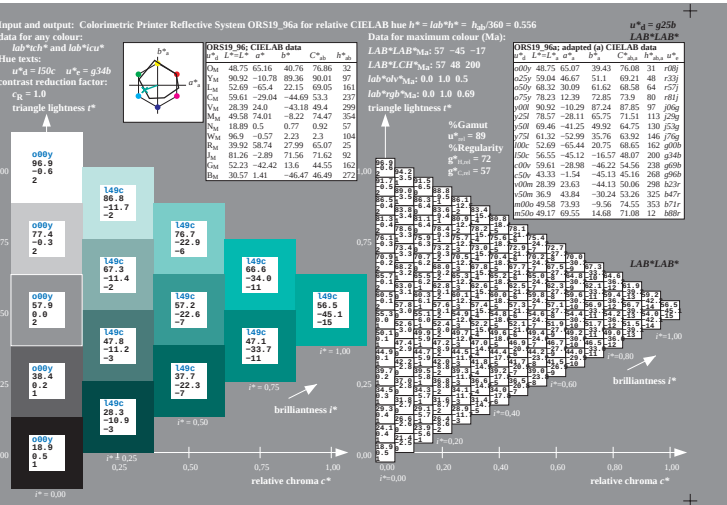

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.98
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = m00o u*_e = b71r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = b50r
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 50 74 −10
LAB*LCH*_Ma: 50 75 352
lab*olv*_Ma: 1.0 0.0 1.0
lab*rgb*_Ma: 1.0 0.0 0.58
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*

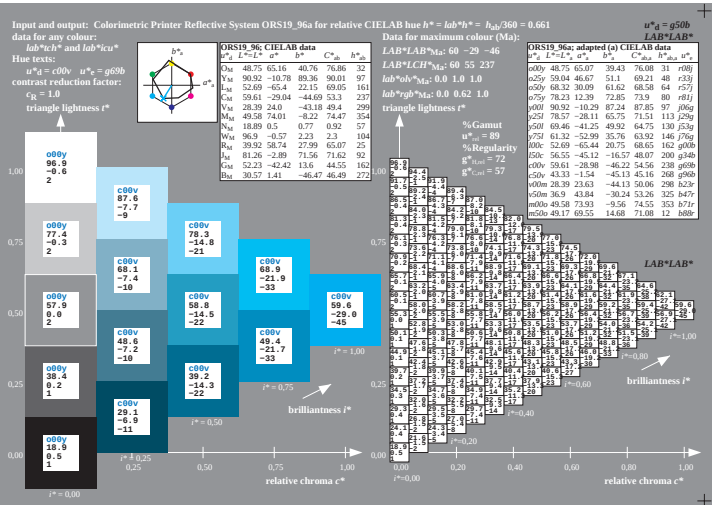
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.033
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = m50o u*_e = b88r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
u*_d = b75r
lab*ch*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 49 70 15
LAB*LCH*_Ma: 49 71 11
lab*olv*_Ma: 1.0 0.0 0.5
lab*rgb*_Ma: 1.0 0.0 0.24
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_e = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
lab*tch*
brilliantness i*
relative chroma c*

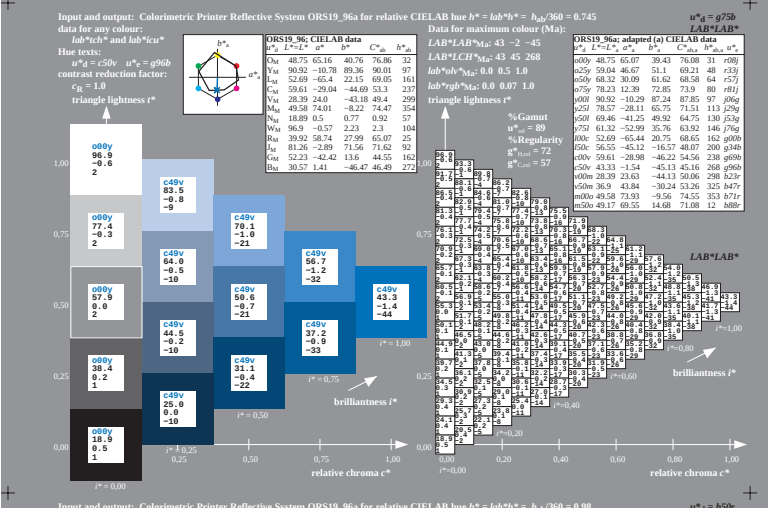


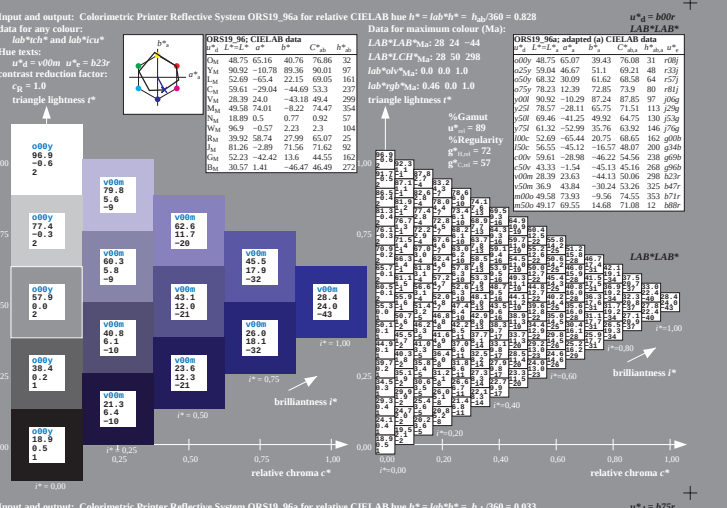

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.451
u*_d = g00b
lab*icu*_c
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = l00c u*_c = g00b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 53 −65 21
LAB*LCH*_Ma: 53 69 162
lab*ob/v*_Ma: 0.0 1.0 0.0
lab*rgb*_Ma: 0.0 1.0 0.0
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.556
u*_d = g25b
lab*icu*_c
Data for maximum colour (Ma):
LAB*LAB*_Ma: 57 −45 −17
LAB*LCH*_Ma: 57 48 200
lab*ob/v*_Ma: 0.0 1.0 0.5
lab*rgb*_Ma: 0.0 1.0 0.69
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.661
u*_d = g50b
lab*icu*_c
Data for maximum colour (Ma):
LAB*LAB*_Ma: 60 −29 −46
LAB*LCH*_Ma: 60 55 237
lab*ob/v*_Ma: 0.0 1.0 1.0
lab*rgb*_Ma: 0.0 0.62 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.745
u*_d = g75b
lab*icu*_c
Data for maximum colour (Ma):
LAB*LAB*_Ma: 43 −2 −45
LAB*LCH*_Ma: 43 45 268
lab*ob/v*_Ma: 0.0 0.5 1.0
lab*rgb*_Ma: 0.0 0.07 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.828
u*_d = b00r
lab*icu*_c
Data for maximum colour (Ma):
LAB*LAB*_Ma: 28 24 −44
LAB*LCH*_Ma: 28 50 298
lab*ob/v*_Ma: 0.0 0.0 1.0
lab*rgb*_Ma: 0.46 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.904
u*_d = b25r
lab*icu*_c
Data for maximum colour (Ma):
LAB*LAB*_Ma: 37 44 −30
LAB*LCH*_Ma: 37 53 325
lab*ob/v*_Ma: 0.5 0.0 1.0
lab*rgb*_Ma: 0.94 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.98
u*_d = b50r
lab*icu*_c
Data for maximum colour (Ma):
LAB*LAB*_Ma: 50 74 −10
LAB*LCH*_Ma: 50 75 352
lab*ob/v*_Ma: 1.0 0.0 1.0
lab*rgb*_Ma: 1.0 0.0 0.58
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_Lab/360 = 0.033
u*_d = b75r
lab*icu*_c
Data for maximum colour (Ma):
LAB*LAB*_Ma: 49 70 15
LAB*LCH*_Ma: 49 71 11
lab*ob/v*_Ma: 1.0 0.0 0.5
lab*rgb*_Ma: 1.0 0.0 0.24

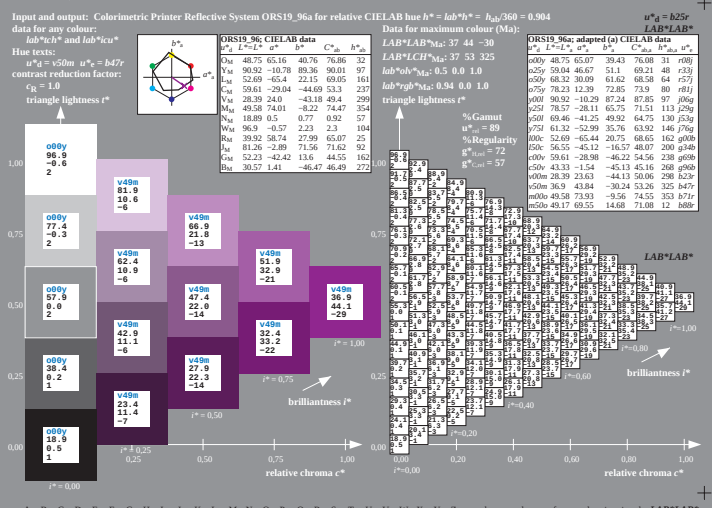

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.451
u*d = g00b
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l00c u*c = g00b
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 53 −65 21
LAB*LCH*Ma: 53 69 162
lab*ob*Ma: 0.0 1.0 0.0
lab*rgb*Ma: 0.0 1.0 0.0
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*

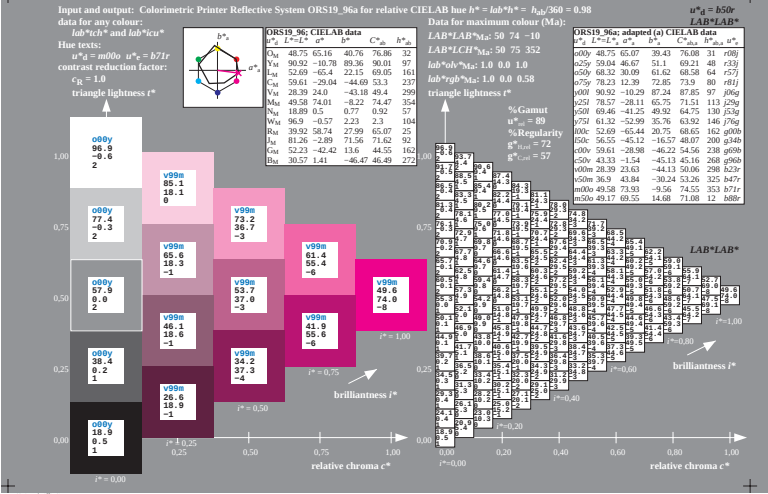

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.556
u*d = g25b
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l50c u*c = g34b
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 −45 −17
LAB*LCH*Ma: 57 48 200
lab*ob*Ma: 0.0 1.0 0.5
lab*rgb*Ma: 0.0 1.0 0.69
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*

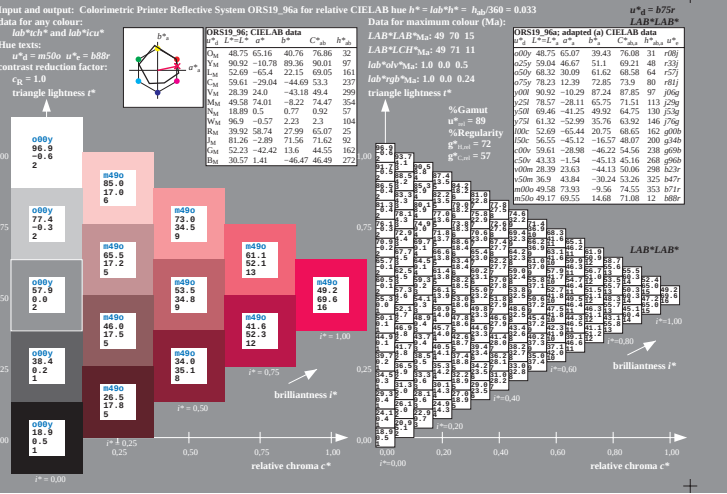

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.661
u*d = g50b
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = c00v u*c = g69b
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 60 −29 −46
LAB*LCH*Ma: 60 55 237
lab*ob*Ma: 0.0 1.0 1.0
lab*rgb*Ma: 0.0 0.62 1.0
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*

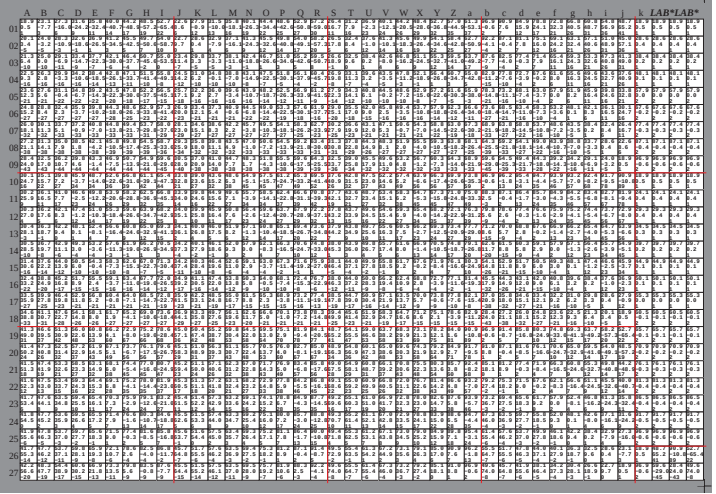

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.745
u*d = g75b
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = c50v u*c = g96b
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 43 −2 −45
LAB*LCH*Ma: 43 45 268
lab*ob*Ma: 0.0 0.5 1.0
lab*rgb*Ma: 0.0 0.07 1.0
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*

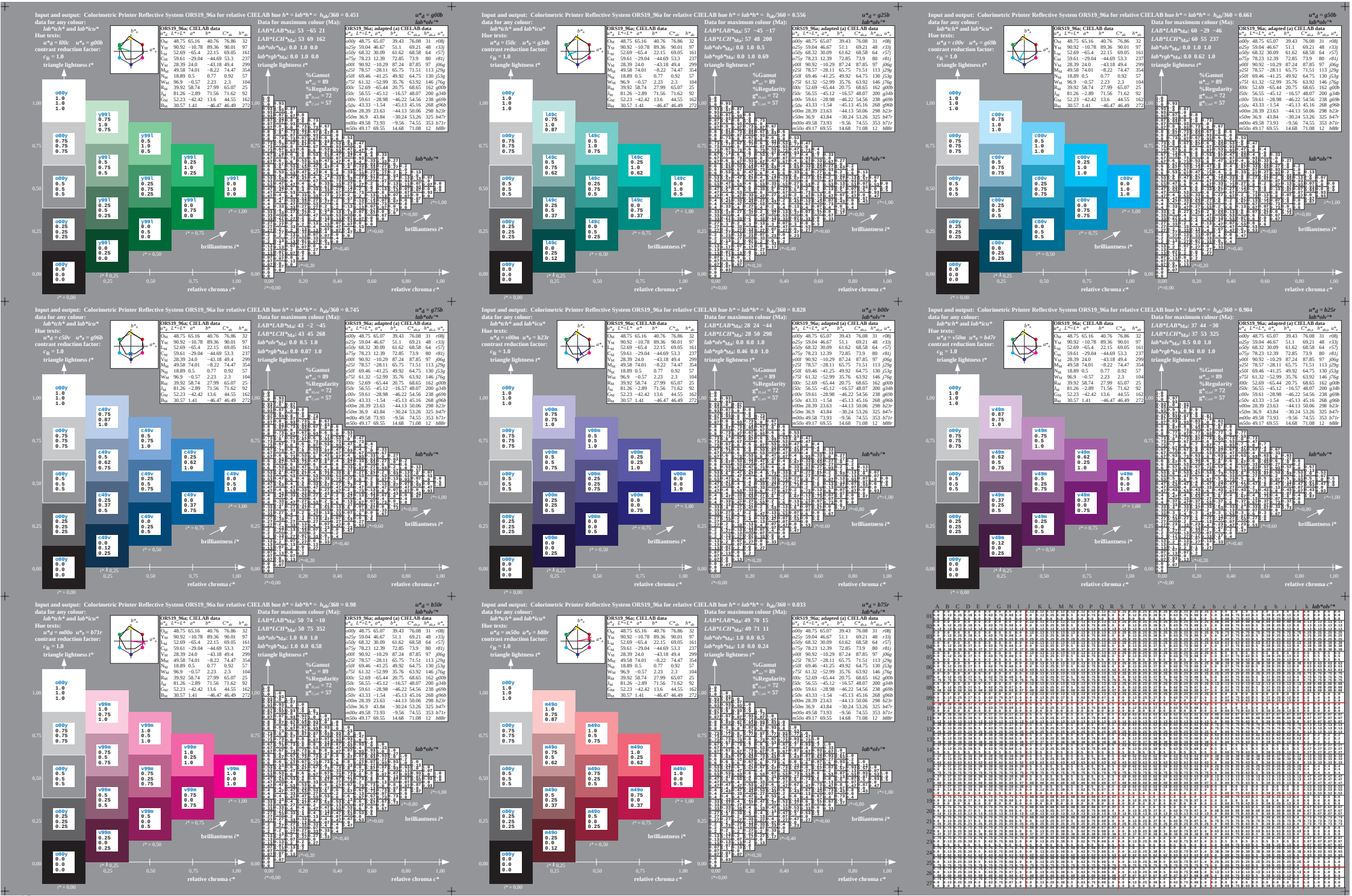

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.828
u*d = b00r
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = v00m u*c = b23r
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 28 24 −44
LAB*LCH*Ma: 28 50 298
lab*ob*Ma: 0.0 0.0 1.0
lab*rgb*Ma: 0.46 0.0 1.0
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.904
u*d = b25r
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = v50m u*c = b47r
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 37 44 −30
LAB*LCH*Ma: 37 53 325
lab*ob*Ma: 0.5 0.0 1.0
lab*rgb*Ma: 0.94 0.0 1.0
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.98
u*d = b50r
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = m00o u*c = b71r
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 50 74 −10
LAB*LCH*Ma: 50 75 352
lab*ob*Ma: 1.0 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.58
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.033
u*d = b75r
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = m50o u*c = b88r
contrast reduction factor:
c_G = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 49 70 15
LAB*LCH*Ma: 49 71 11
lab*ob*Ma: 1.0 0.0 0.5
lab*rgb*Ma: 1.0 0.0 0.24
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_a = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness j*
relative chroma c*

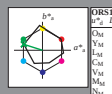


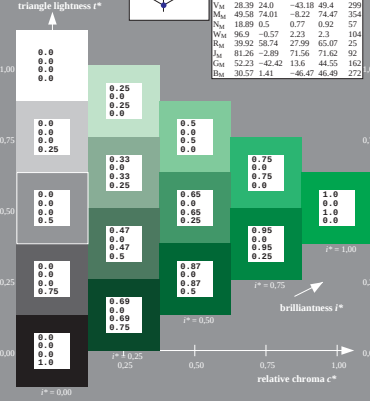

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.451
u*_d = g00b
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = l00c u*_c = g00b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 53 −65 21
LAB*LCH*_Ma: 53 69 162
lab*olv'*_Ma: 0.0 1.0 0.0
lab*rgb*_Ma: 0.0 1.0 0.0
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.556
u*_d = g25b
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = l50c u*_c = g34b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 57 −45 −17
LAB*LCH*_Ma: 57 48 200
lab*olv'*_Ma: 0.0 1.0 0.5
lab*rgb*_Ma: 0.0 1.0 0.69
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.661
u*_d = g50b
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = c00v u*_c = g69b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 60 −29 −46
LAB*LCH*_Ma: 60 55 237
lab*olv'*_Ma: 0.0 1.0 1.0
lab*rgb*_Ma: 0.0 0.62 1.0
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.745
u*_d = g75b
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = c50v u*_c = g96b
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 43 −2 −45
LAB*LCH*_Ma: 43 45 268
lab*olv'*_Ma: 0.0 0.5 1.0
lab*rgb*_Ma: 0.0 0.07 1.0
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.828
u*_d = b00r
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = v00m u*_c = b23r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 28 24 −44
LAB*LCH*_Ma: 28 50 298
lab*olv'*_Ma: 0.0 0.0 1.0
lab*rgb*_Ma: 0.46 0.0 1.0
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.904
u*_d = b25r
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = v50m u*_c = b47r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 37 44 −30
LAB*LCH*_Ma: 37 53 325
lab*olv'*_Ma: 0.5 0.0 1.0
lab*rgb*_Ma: 0.94 0.0 1.0
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.98
u*_d = b50r
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = m00o u*_c = b71r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 50 74 −10
LAB*LCH*_Ma: 50 75 352
lab*olv'*_Ma: 1.0 0.0 1.0
lab*rgb*_Ma: 1.0 0.0 0.58
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = h_lab/360 = 0.033
u*_d = b75r
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*_d = m50o u*_c = b88r
contrast reduction factor:
c_R = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*_Ma: 49 70 15
LAB*LCH*_Ma: 49 71 11
lab*olv'*_Ma: 1.0 0.0 0.5
lab*rgb*_Ma: 1.0 0.0 0.24
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*_c = 89
%Regularity
g*_H,rel = 72
g*_C,rel = 57
brilliantness i*
relative chroma c*

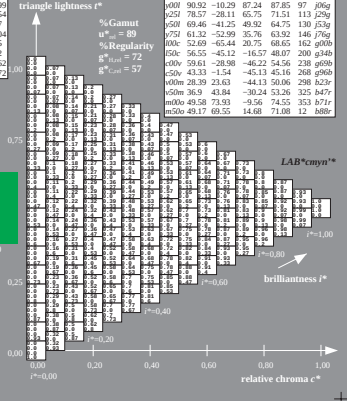
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_d = g00b$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = l00c$ $u^*_e = g00b$
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
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

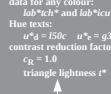
ORS19_96a; adapted (a) CIELAB data

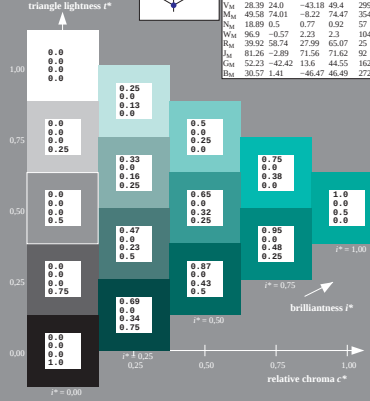
u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23v
v50m	36.9	43.84	−30.24	53.26	325	b47v
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

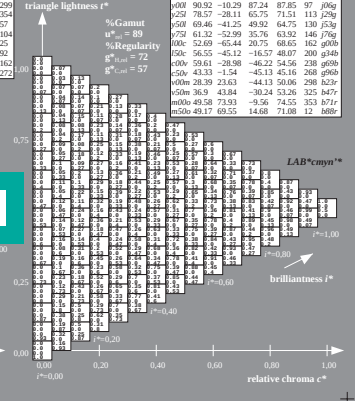
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$ $u^*_d = g25b$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = l50c$ $u^*_e = g34b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 57 −45 −17
$LAB^*LCH^*_{Ma}$: 57 48 200
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

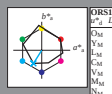
ORS19_96a; adapted (a) CIELAB data

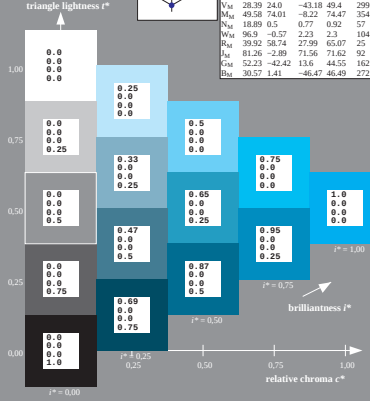
u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23v
v50m	36.9	43.84	−30.24	53.26	325	b47v
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

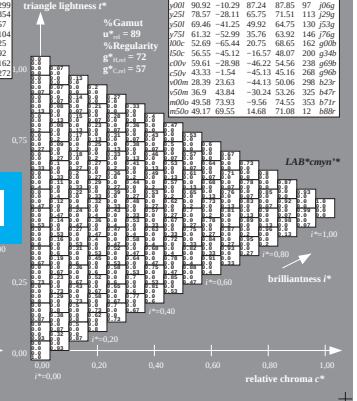
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$ $u^*_d = g50b$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = c00v$ $u^*_e = g69b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 60 −29 −46
$LAB^*LCH^*_{Ma}$: 60 55 237
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

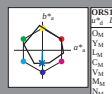
ORS19_96a; adapted (a) CIELAB data

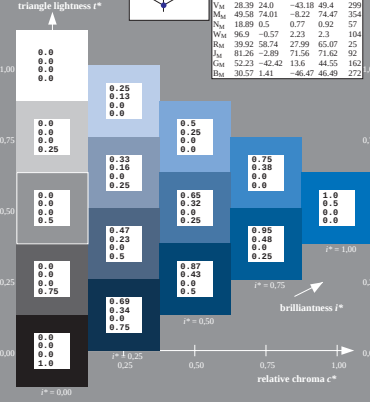
u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23v
v50m	36.9	43.84	−30.24	53.26	325	b47v
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

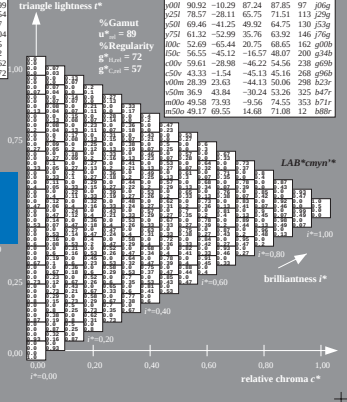
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$ $u^*_d = g75b$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = c50v$ $u^*_e = g96b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 43 −2 −45
$LAB^*LCH^*_{Ma}$: 43 45 268
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

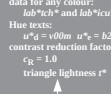
ORS19_96a; adapted (a) CIELAB data

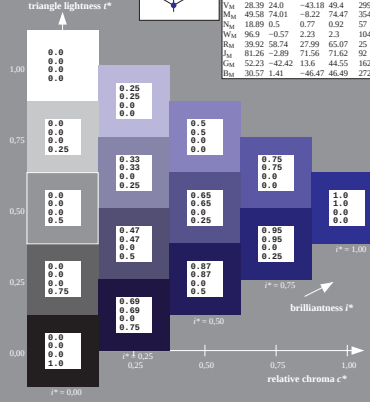
u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23v
v50m	36.9	43.84	−30.24	53.26	325	b47v
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

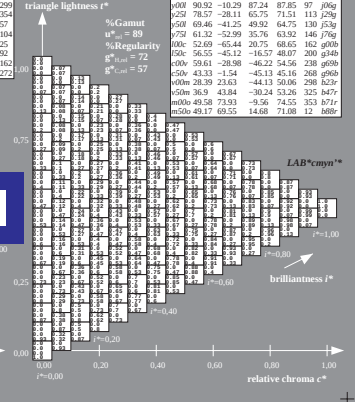
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$ $u^*_d = b00r$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = v00m$ $u^*_e = b23r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 28 24 −44
$LAB^*LCH^*_{Ma}$: 28 50 298
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.46 0.0 1.0
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

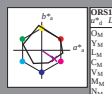
ORS19_96a; adapted (a) CIELAB data

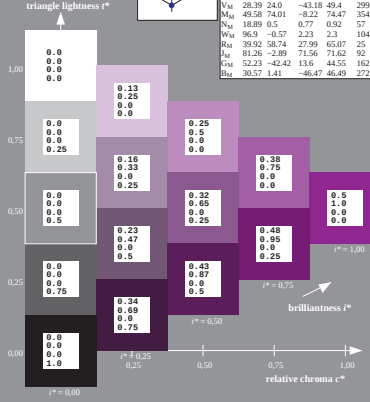
u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23v
v50m	36.9	43.84	−30.24	53.26	325	b47v
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

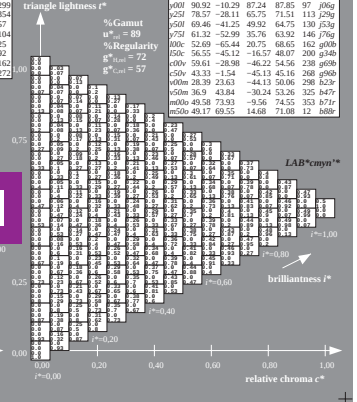
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$ $u^*_d = b25r$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 37 44 −30
$LAB^*LCH^*_{Ma}$: 37 53 325
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

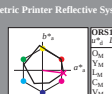
ORS19_96a; adapted (a) CIELAB data

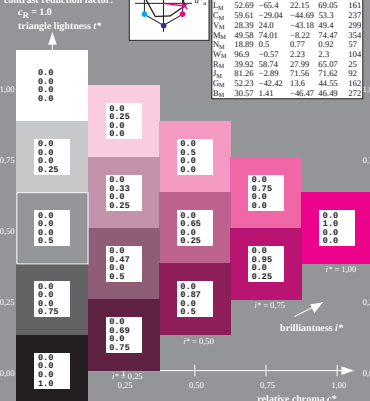
u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23v
v50m	36.9	43.84	−30.24	53.26	325	b47v
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

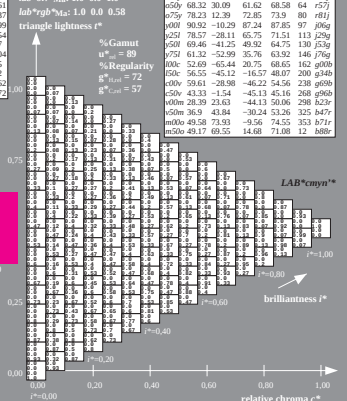
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$ $u^*_d = b50r$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 74 −10
$LAB^*LCH^*_{Ma}$: 50 75 352
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.58
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

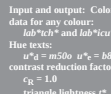
ORS19_96a; adapted (a) CIELAB data

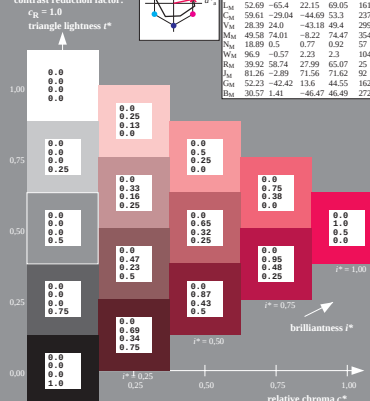
u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.06	298	b23v
v50m	36.9	43.84	−30.24	53.26	325	b47v
m00o	49.58	73.93	−9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

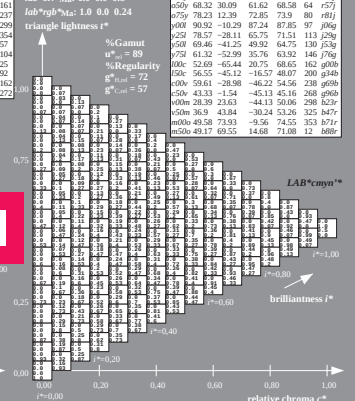
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$ $u^*_d = b75r$ LAB^*cmyn^*

data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = m50o$ $u^*_e = b88r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 70 15
$LAB^*LCH^*_{Ma}$: 49 71 11
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24
triangle lightness t^*







ORS19_96a; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.78	89.36	90.01	97
L_{Ma}	52.69	−65.44	22.15	69.05	161
C_{Ma}	59.61	−29.04	−44.69	53.3	237
V_{Ma}	28.39	24.0	−43.18	49.4	299
M_{Ma}	49.58	74.01	−8.22	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	96.9	−0.57	2.23	2.3	104
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

ORS19_96a; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_e
e00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00f	90.92	−10.29	87.24	87.85	97	j06g
y25f	78.57	−28.11	65.75	71.51	113	j29g
y50f	69.46	−41.25	49.92	64.75	130	j53g
y75f	61.32	−52.99	35.76	63.92	146	j76g
l00c	52.69	−65.44	20.75	68.65	162	g00b
l50c	56.55	−45.12	−16.57	48.07	200	g34b
c00v	59.61	−28.98	−46.22	54.56	238	g60b
c50v	43.33	−1.54	−45.13	45.16	268	g96b
v00m	28.39	23.63	−44.13	50.