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

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

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

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{lab}/360 = 0.527$ $u^*_e = g25b$

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

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

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{lab}/360 = 0.603$ $u^*_e = g50b$

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

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

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{lab}/360 = 0.679$ $u^*_e = g75b$

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

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

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{lab}/360 = 0.755$ $u^*_e = b00r$

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

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

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{lab}/360 = 0.834$ $u^*_e = b25r$

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

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

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{lab}/360 = 0.913$ $u^*_e = b50r$

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

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

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{lab}/360 = 0.992$ $u^*_e = b75r$

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

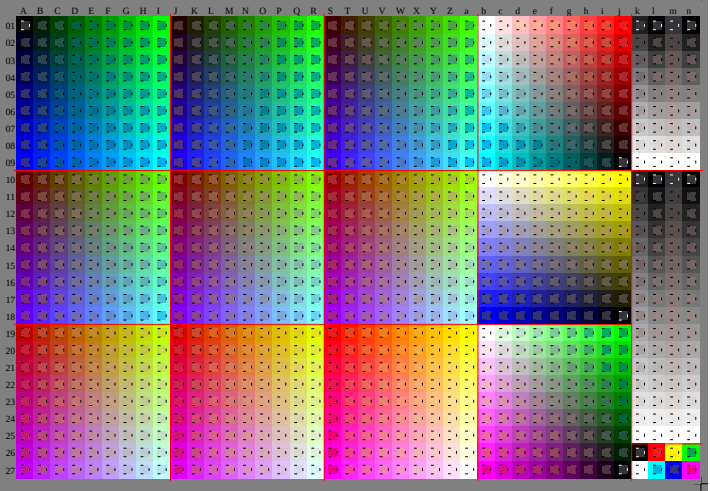
%Gamut
$u^*_{ci} = 89$
%Regularity
$g^*_{H,ref} = 72$
$g^*_{C,ref} = 57$

brilliantness i^*

relative chroma c^*

ORS19_96a; adapted (a) CIELAB data	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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		
J_{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	b^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
y00y	87.03	−3.35	82.83	82.9	92	o92y	
y25g	80.72	−25.01	69.5	73.86	110	y20f	
y50g	70.64	−39.54	51.97	65.3	127	y46f	
y75g	61.93	−52.1	36.83	63.8	145	y72f	
g00b	52.8	−65.28	20.93	68.56	162	y99f	
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.451$ $u^*_e = g00b$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor: $\gamma_R = 1.0$

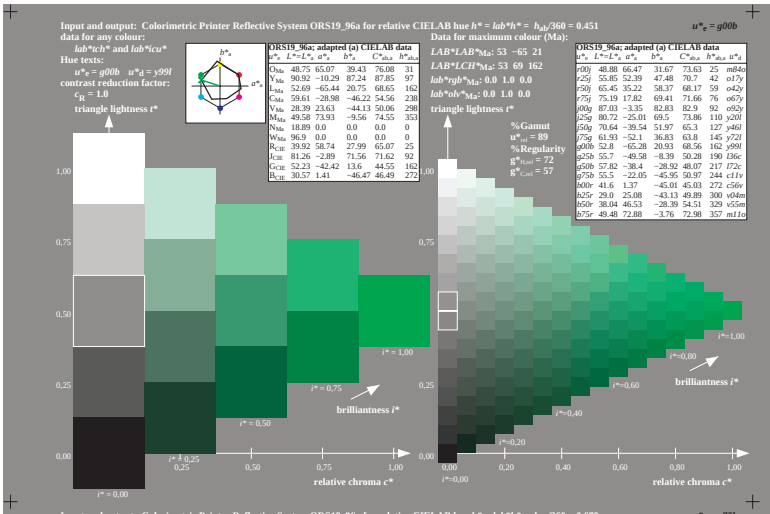
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.527$ $u^*_e = g25b$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = g25b$ $u^*_d = l36c$

contrast reduction factor: $\gamma_R = 1.0$

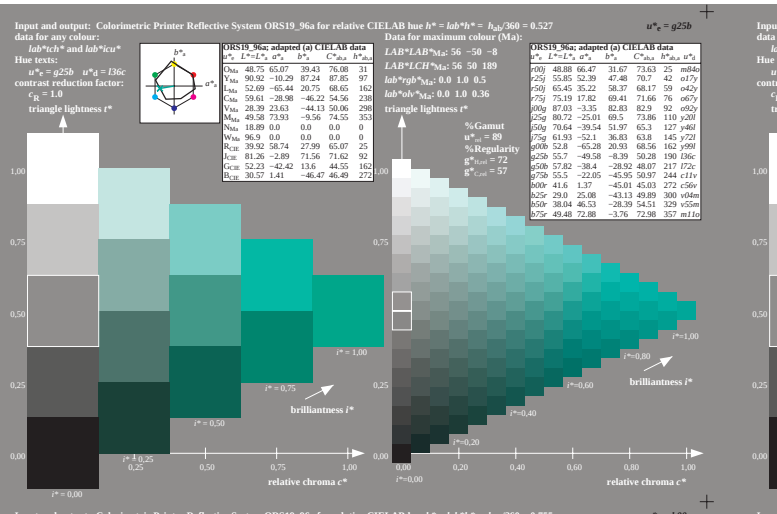
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.603$ $u^*_e = g50b$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor: $\gamma_R = 1.0$

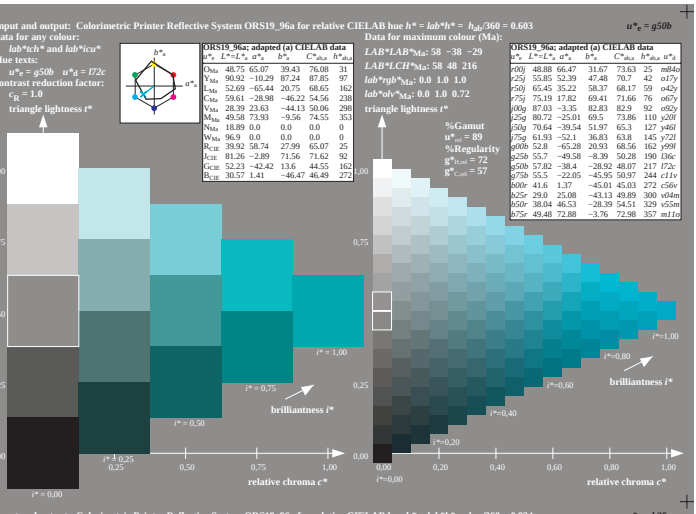
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.679$ $u^*_e = g75b$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = g75b$ $u^*_d = c11v$

contrast reduction factor: $\gamma_R = 1.0$

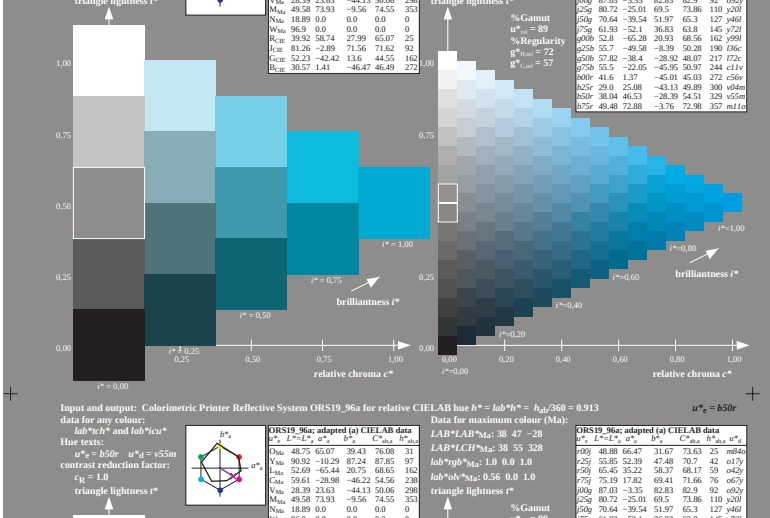
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.755$ $u^*_e = b00r$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = b00r$ $u^*_d = c56v$

contrast reduction factor: $\gamma_R = 1.0$

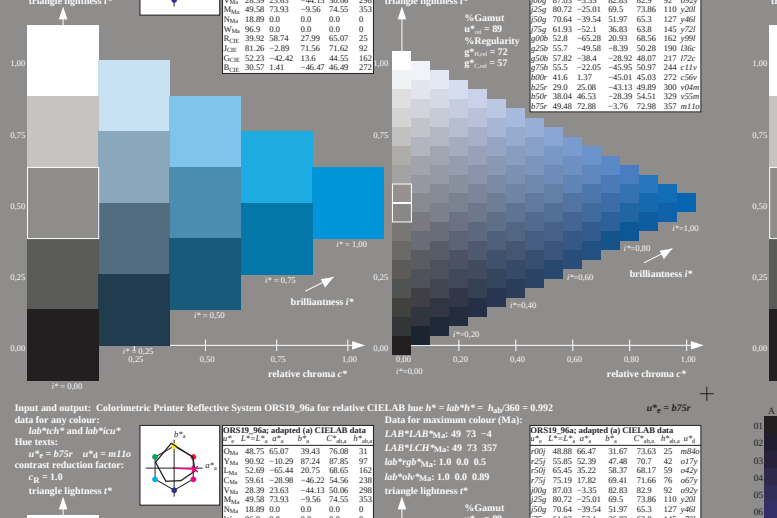
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.834$ $u^*_e = b25r$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = b25r$ $u^*_d = v04m$

contrast reduction factor: $\gamma_R = 1.0$

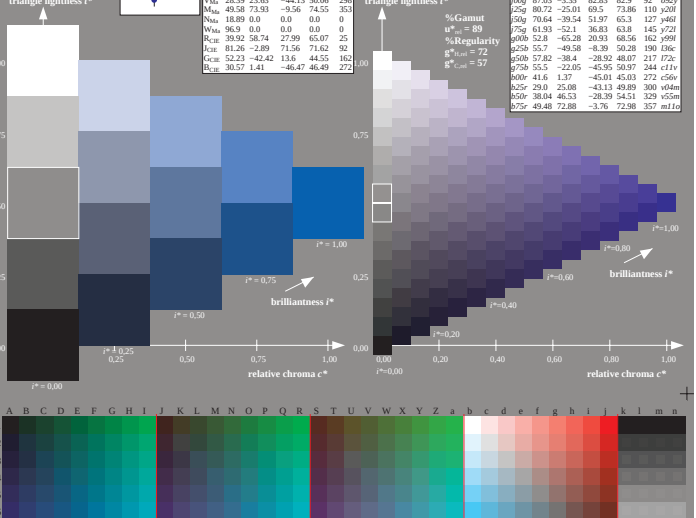
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.913$ $u^*_e = b50r$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor: $\gamma_R = 1.0$

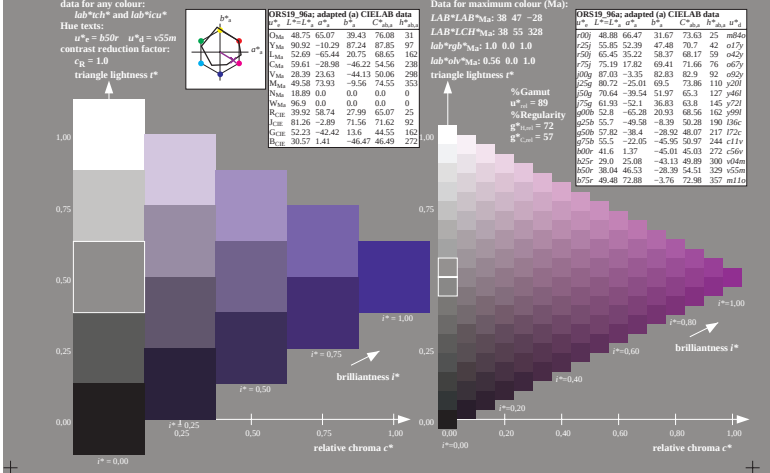
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{Lab}/360 = 0.992$ $u^*_e = b75r$

data for any colour: lab^*tch^* and lab^*icu^*

Hue texts: $u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor: $\gamma_R = 1.0$

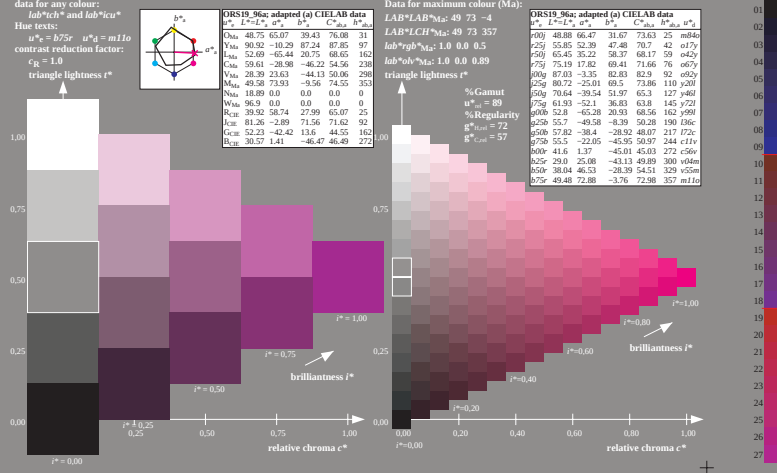
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 −4

$LAB^*LCH^*_{Ma}$: 49 73 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

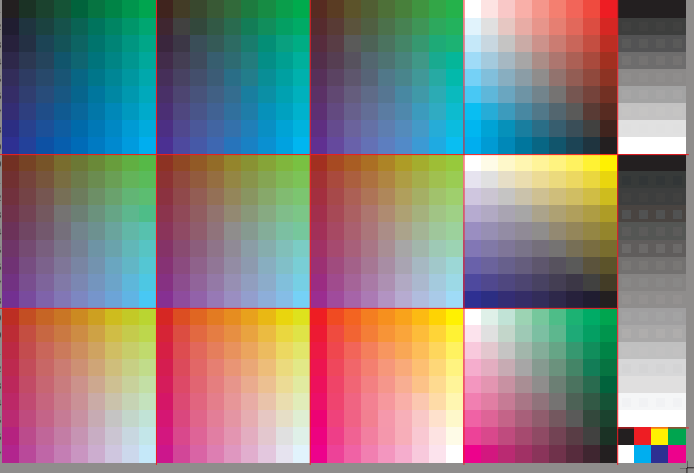
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89

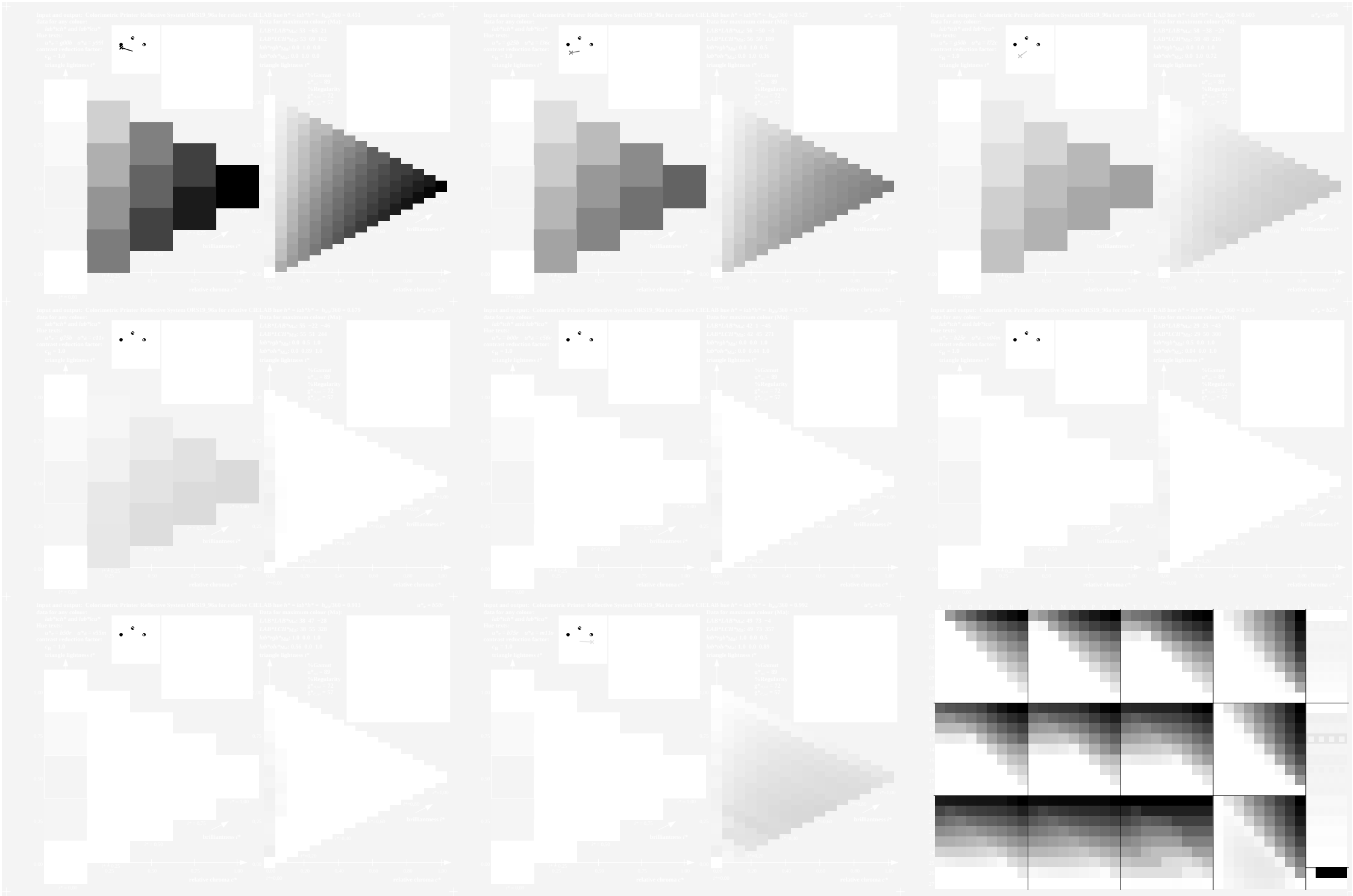


ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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	

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
r00g	87.03	−3.35	82.83	82.9	92	o92y
r25g	80.72	−25.01	69.5	73.86	110	y20f
r50g	70.64	−39.54	51.97	65.3	127	y46f
r75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = g60b$ $u^*_h = c60r$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 -65 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 0.0
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 0.0
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = g60b$
Input and output: Colorimetric Printer Reflective System OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = g50b$ $u^*_h = \text{Dbr}$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 -50 -8
$LAB^*LCH^*_{Ma}$: 56 50 189
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 0.5
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 0.36
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = g50b$
Input and output: Colorimetric Printer Reflective System OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.613$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = g50b$ $u^*_h = \text{Gr}$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 -38 -29
$LAB^*LCH^*_{Ma}$: 50 48 216
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 1.0
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 0.72
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = g50b$
Input and output: Colorimetric Printer Reflective System OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = g50b$ $u^*_h = c\text{Hr}$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 -22 -46
$LAB^*LCH^*_{Ma}$: 55 51 244
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 0.5 1.0
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 0.09 1.0
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = g50b$
Input and output: Colorimetric Printer Reflective System OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.735$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = b00r$ $u^*_h = c\text{Mr}$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 -45
$LAB^*LCH^*_{Ma}$: 42 45 271
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 0.0 1.0
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 0.44 1.0
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = b00r$
Input and output: Colorimetric Printer Reflective System OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = b20r$ $u^*_h = \text{vcolor}$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 -43
$LAB^*LCH^*_{Ma}$: 29 50 300
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.3 0.0 1.0
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.04 0.0 1.0
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = b20r$
Input and output: Colorimetric Printer Reflective System OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = b00r$ $u^*_h = c\text{Gbr}$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 -28
$LAB^*LCH^*_{Ma}$: 38 55 328
$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.0 1.0
$\text{lab}^*\text{rgb}^*_{Ma}$: 0.56 0.0 1.0
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = b20r$
Input and output: Colorimetric Printer Reflective System OR510_96a for relative CIE1 AB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$
data for any colour:
lab*h* and lab%u*
Hue tests:
$u^*_h = b20r$ $u^*_h = \text{vmHr}$
cmxtions extrusions factor:
$c_h = 1.0$
triangle lightness l^*
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 -1
$LAB^*LCH^*_{Ma}$: 49 73 357
$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.0 0.5
$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.0 0.00
%Gamut
$\omega^*_{ab} = 89$
%Regularity
$\Phi^*_{abs} = 92$
$\Phi^*_{rel} = 92$
brilliantness s^*
relative chroma c^*
$u^*_h = b20r$

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

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

Hue texts: $u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor: $c^*_R = 1.0$

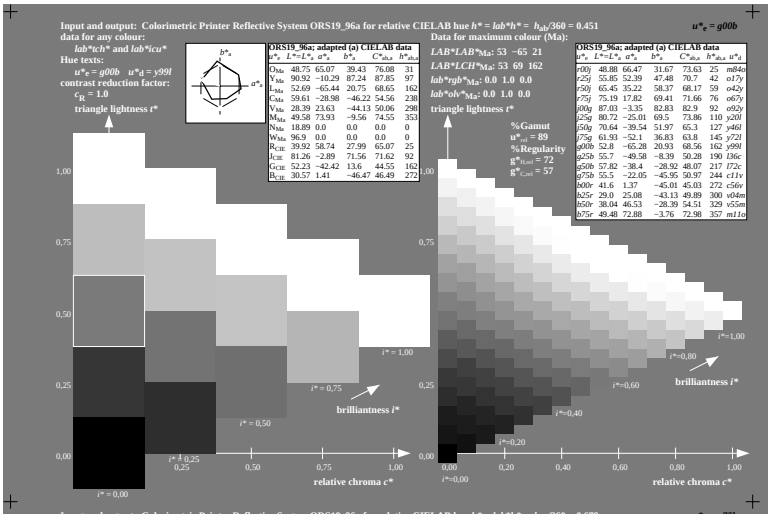
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{lab}/360 = 0.527$ $u^*_e = g25b$

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

Hue texts: $u^*_e = g25b$ $u^*_d = l36c$

contrast reduction factor: $c^*_R = 1.0$

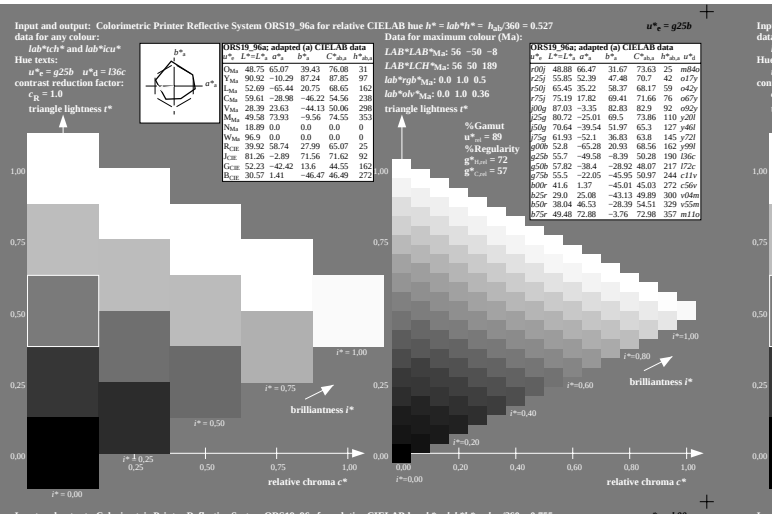
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{lab}/360 = 0.603$ $u^*_e = g50b$

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

Hue texts: $u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor: $c^*_R = 1.0$

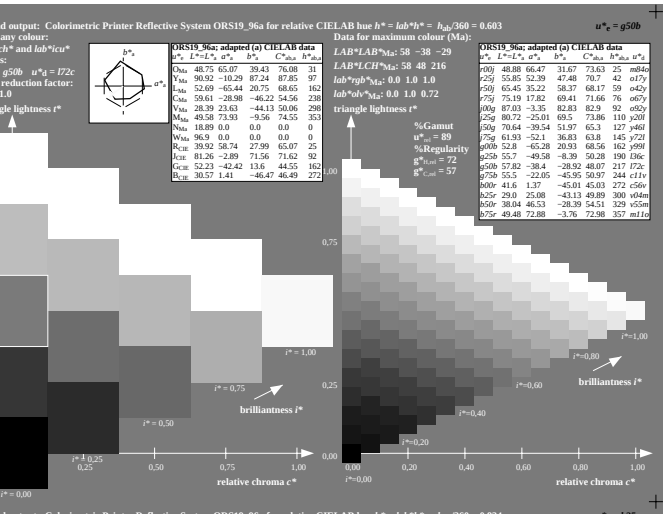
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{lab}/360 = 0.679$ $u^*_e = g75b$

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

Hue texts: $u^*_e = g75b$ $u^*_d = c11v$

contrast reduction factor: $c^*_R = 1.0$

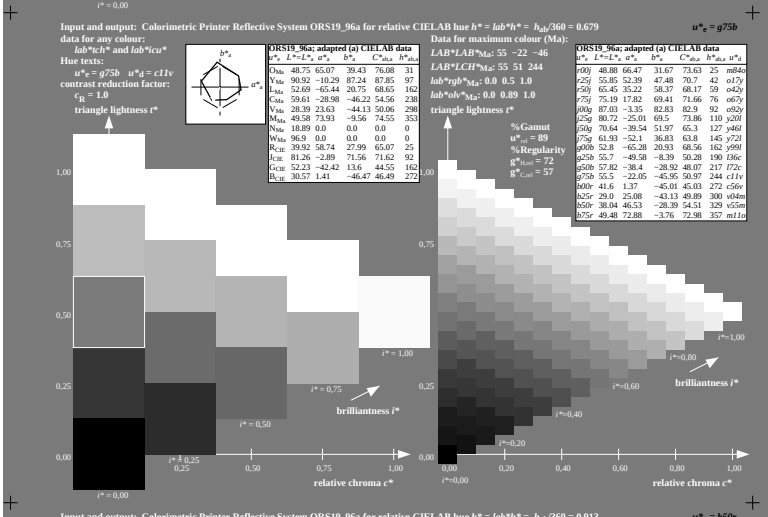
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{lab}/360 = 0.755$ $u^*_e = b00r$

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

Hue texts: $u^*_e = b00r$ $u^*_d = c56v$

contrast reduction factor: $c^*_R = 1.0$

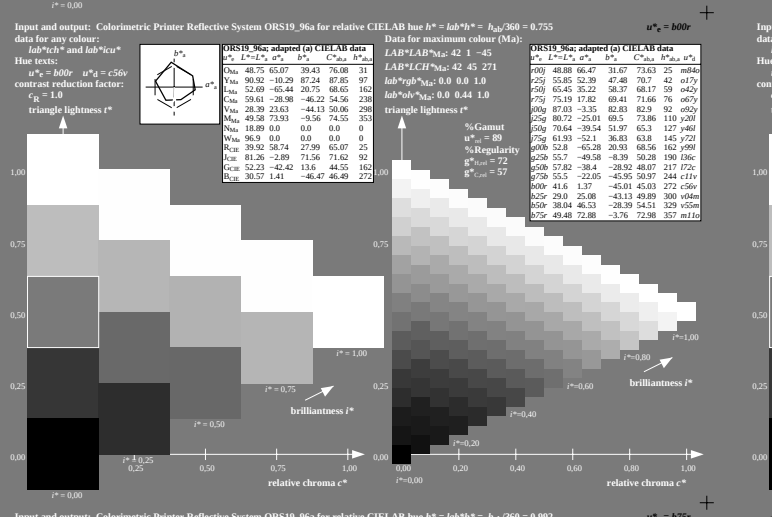
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{lab}/360 = 0.834$ $u^*_e = b25r$

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

Hue texts: $u^*_e = b25r$ $u^*_d = v04m$

contrast reduction factor: $c^*_R = 1.0$

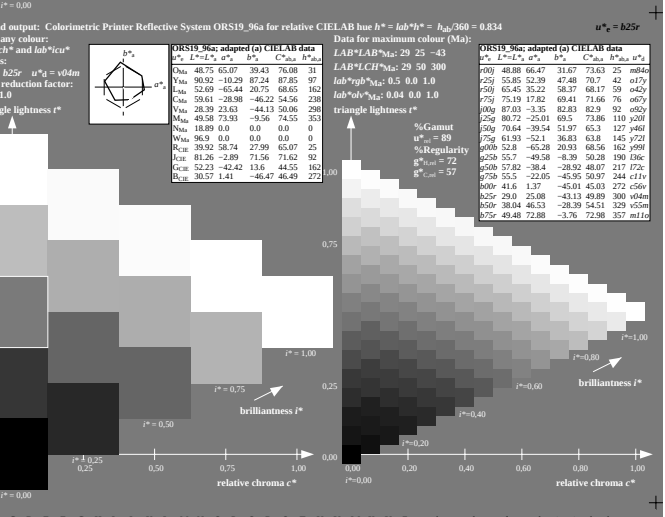
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{lab}/360 = 0.913$ $u^*_e = b50r$

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

Hue texts: $u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor: $c^*_R = 1.0$

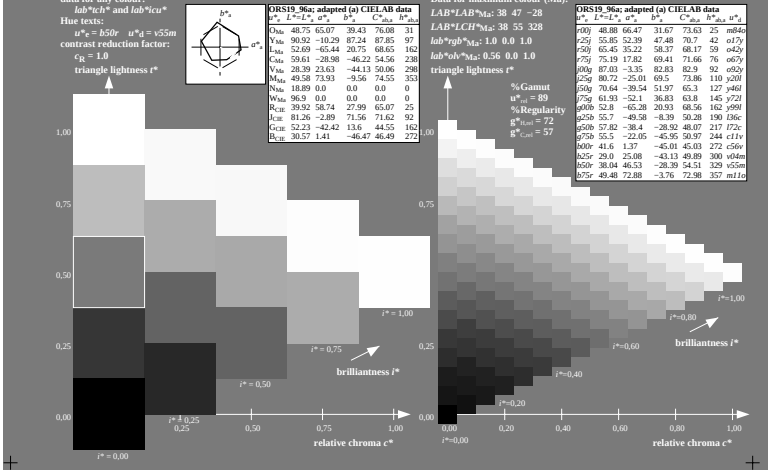
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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 $h^* = lab^*h^* = h_{lab}/360 = 0.992$ $u^*_e = b75r$

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

Hue texts: $u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor: $c^*_R = 1.0$

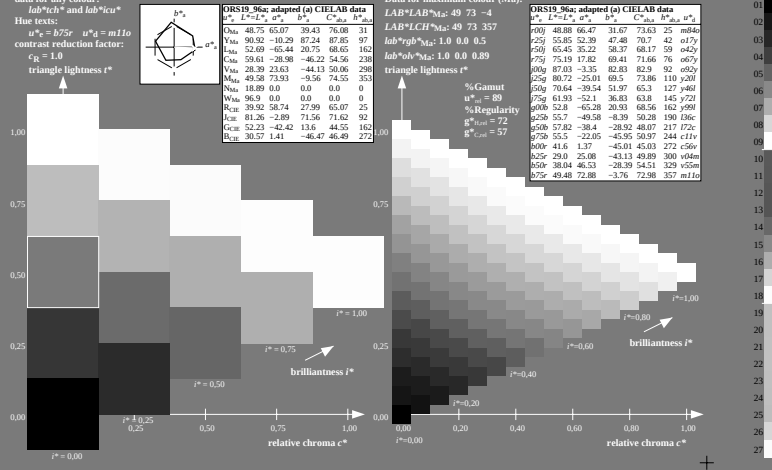
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 −4

$LAB^*LCH^*_{Ma}$: 49 73 357

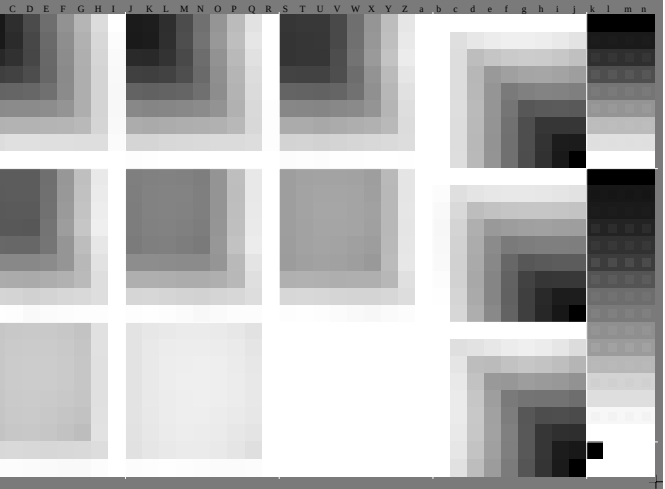
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.89



ORS19_96a; adapted (a) CIELAB data

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
J_{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

h^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	48.88	66.47	31.67	73.63	25	m84b
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
y00y	87.03	−3.35	82.83	82.9	92	o92y
y25g	80.72	−25.01	69.5	73.86	110	y20f
y50g	70.64	−39.54	51.97	65.3	127	y46f
y75g	61.93	−52.1	36.83	63.8	145	y72f
g00b	52.8	−65.28	20.93	68.56	162	y99f
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