Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 162/360 = 0.451$ $u^* = g00b$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = g00b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

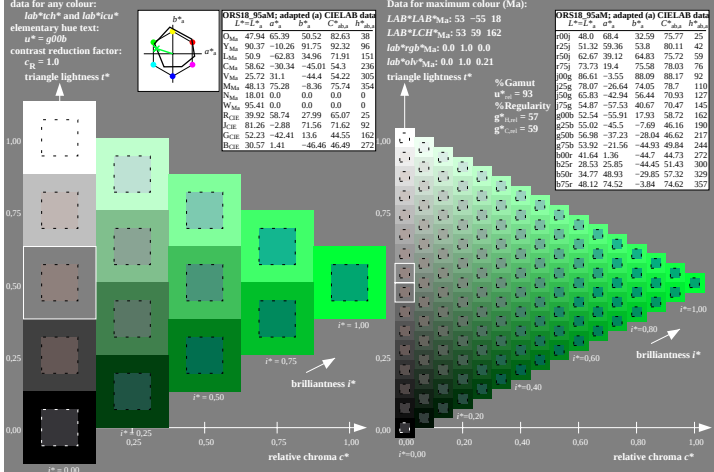
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 53 −55 18
*LAB*LCH*Ma*: 53 59 162
*lab*rgb*Ma*: 0.0 1.0 0.0
*lab*olv*Ma*: 0.0 1.0 0.21

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 190/360 = 0.527$ $u^* = g25b$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

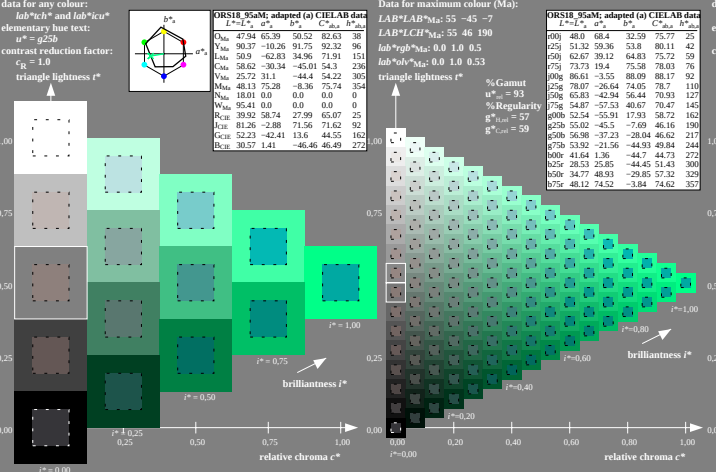
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 55 −45 −7
*LAB*LCH*Ma*: 55 46 190
*lab*rgb*Ma*: 0.0 1.0 0.5
*lab*olv*Ma*: 0.0 1.0 0.53

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 217/360 = 0.603$ $u^* = g50b$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

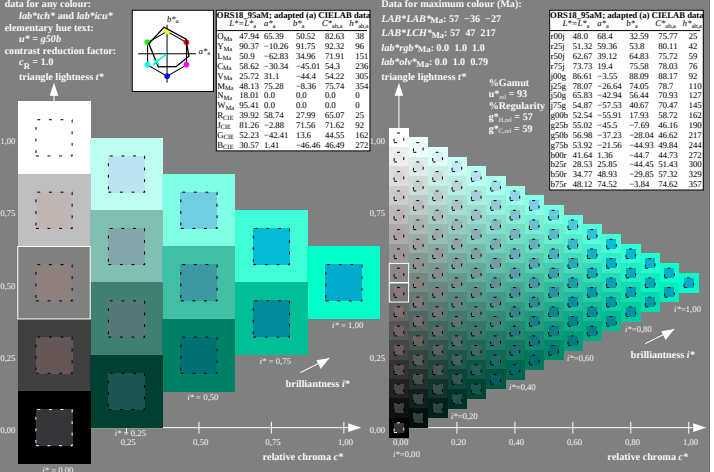
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 57 −36 −27
*LAB*LCH*Ma*: 57 47 217
*lab*rgb*Ma*: 0.0 1.0 1.0
*lab*olv*Ma*: 0.0 1.0 0.79

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 244/360 = 0.679$ $u^* = g75b$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

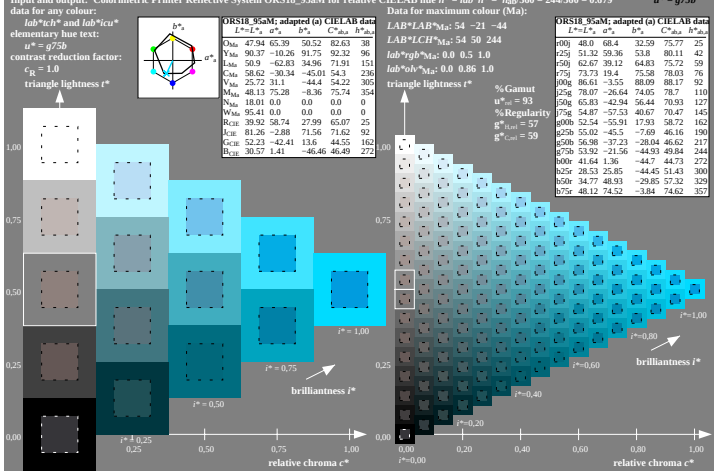
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 54 −21 −44
*LAB*LCH*Ma*: 54 50 244
*lab*rgb*Ma*: 0.0 0.5 1.0
*lab*olv*Ma*: 0.0 0.86 1.0

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 272/360 = 0.755$ $u^* = b00r$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

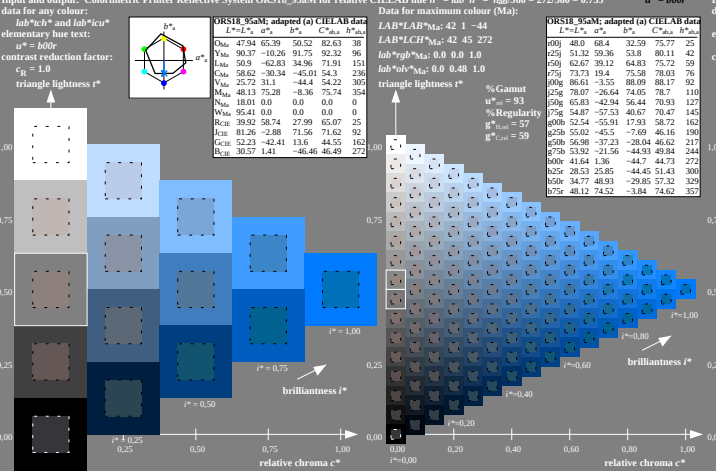
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 42 1 −44
*LAB*LCH*Ma*: 42 45 272
*lab*rgb*Ma*: 0.0 0.0 1.0
*lab*olv*Ma*: 0.0 0.48 1.0

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 300/360 = 0.834$ $u^* = b25r$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = b25r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

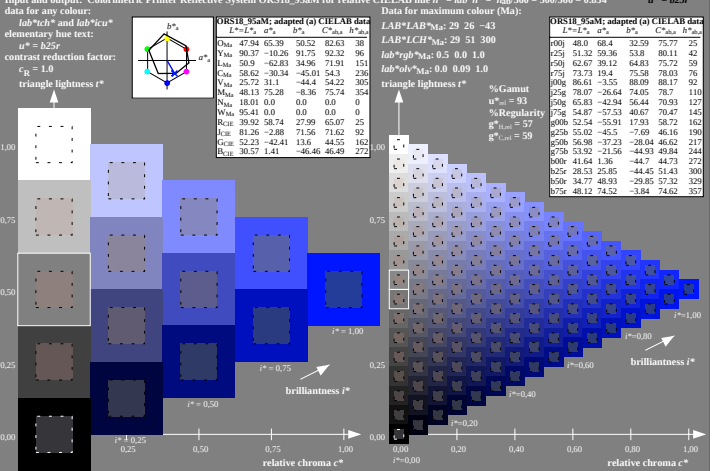
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 29 26 −43
*LAB*LCH*Ma*: 29 51 300
*lab*rgb*Ma*: 0.5 0.0 1.0
*lab*olv*Ma*: 0.0 0.09 1.0

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 329/360 = 0.913$ $u^* = b50r$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = b50r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

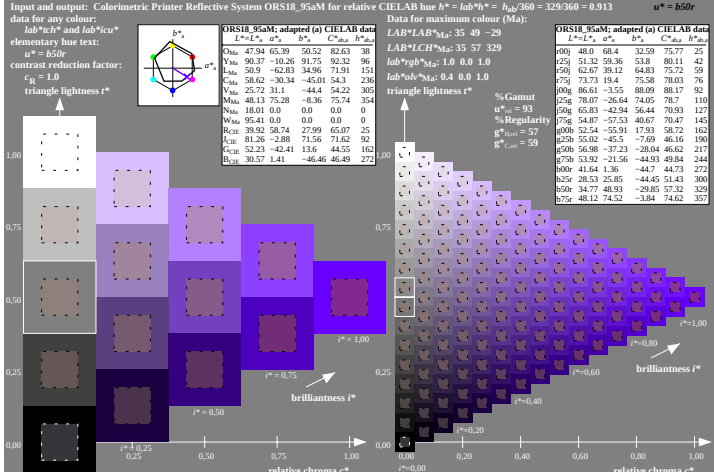
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 35 49 −29
*LAB*LCH*Ma*: 35 57 329
*lab*rgb*Ma*: 1.0 0.0 1.0
*lab*olv*Ma*: 0.4 0.0 1.0

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357



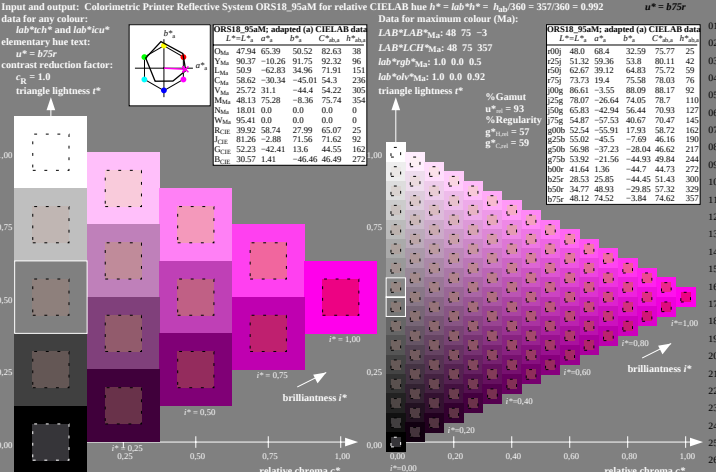
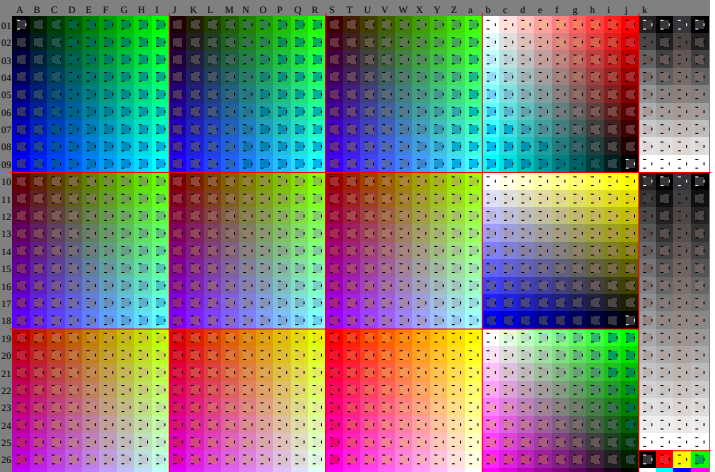
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 357/360 = 0.992$ $u^* = b75r$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB*Ma*: 48 75 −3
*LAB*LCH*Ma*: 48 75 357
*lab*rgb*Ma*: 1.0 0.0 0.5
*lab*olv*Ma*: 1.0 0.0 0.92

%Gamut $u^*_{col} = 93$
%Regularity $g^*_{H,col} = 57$ $g^*_{C,col} = 59$

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00|	48.0	68.4	32.59	75.77	25
r25|	51.32	59.36	53.8	80.11	42
r50|	62.67	39.12	64.83	75.72	59
r75|	73.73	19.4	75.58	78.03	76
g00a|	86.61	−3.55	88.09	88.17	92
g25a|	78.07	−26.64	74.05	78.7	110
g50a|	65.83	−42.94	56.44	70.93	127
g75a|	54.87	−57.53	40.67	70.47	145
g00b|	52.54	−55.91	17.93	58.72	162
g25b|	55.02	−45.5	−7.69	46.16	190
g50b|	56.98	−37.23	−28.04	46.62	217
g75b|	53.92	−21.56	−44.93	49.84	244
b00r|	41.64	1.36	−44.7	44.73	272
b25r|	28.53	25.85	−44.45	51.43	300
b50r|	34.77	48.93	−29.85	57.32	329
b75r|	48.12	74.52	−3.84	74.62	357