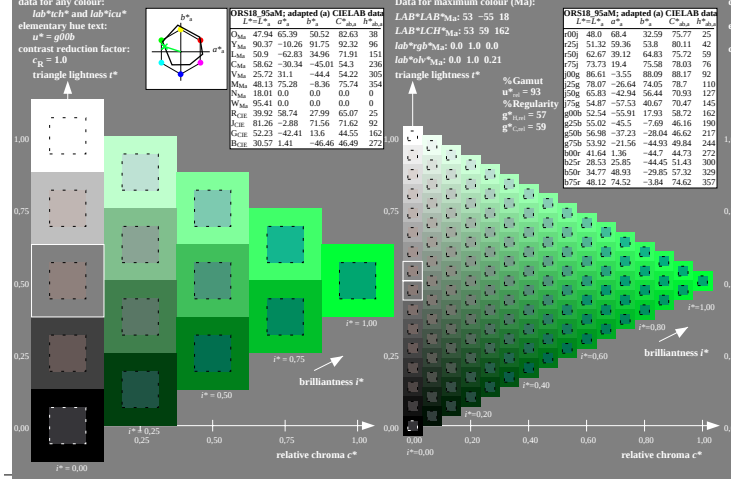
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ $u^* = g00b$

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

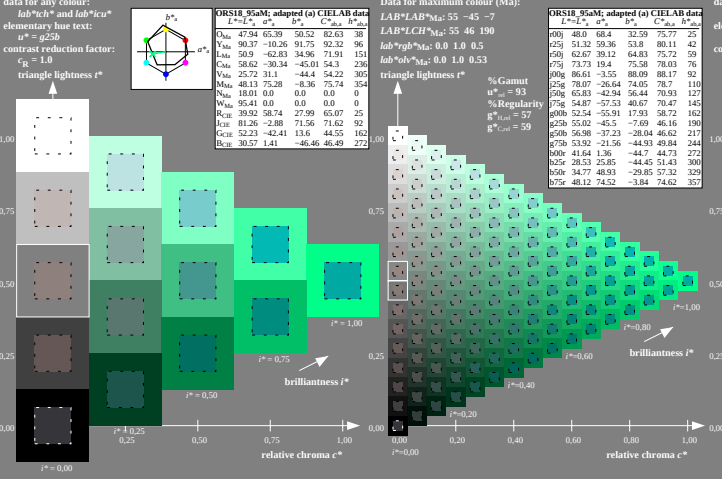
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ $u^* = g25b$

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

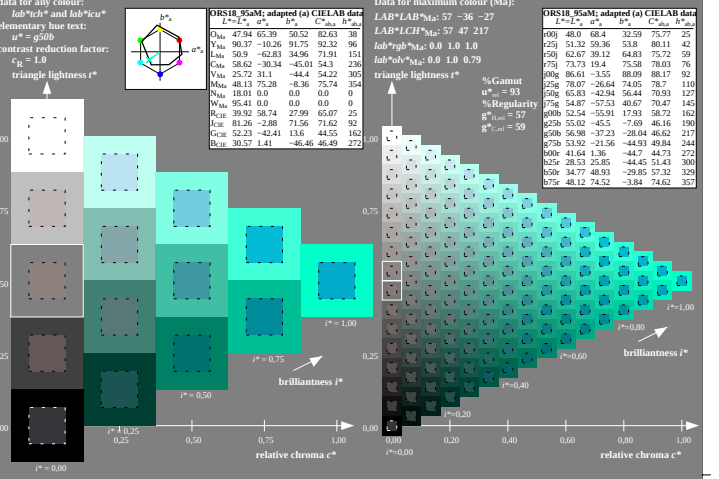
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ $u^* = g50b$

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

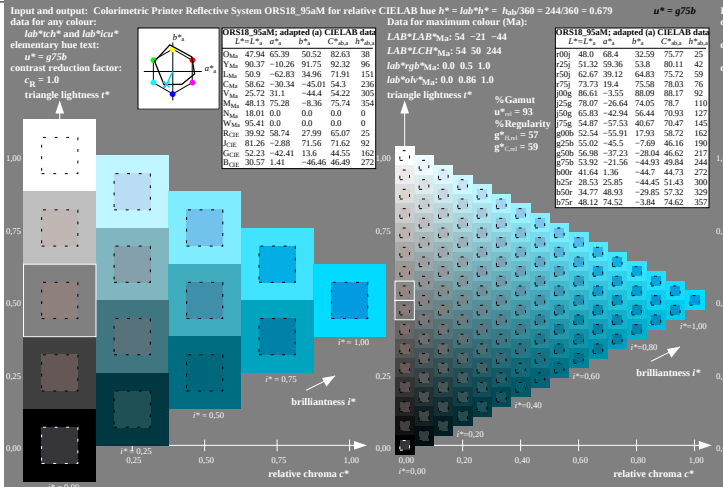
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ $u^* = g75b$

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

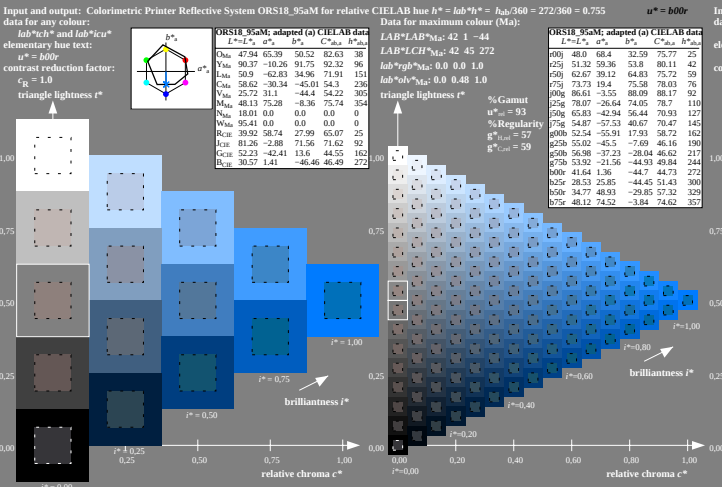
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ $u^* = b00r$

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

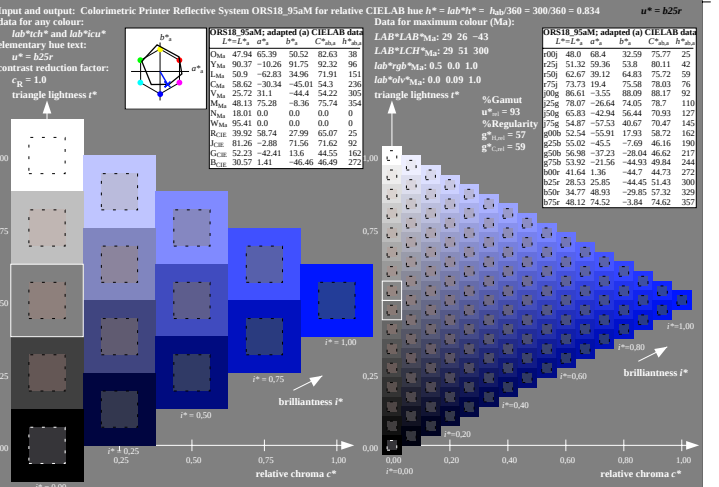
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ $u^* = b25r$

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

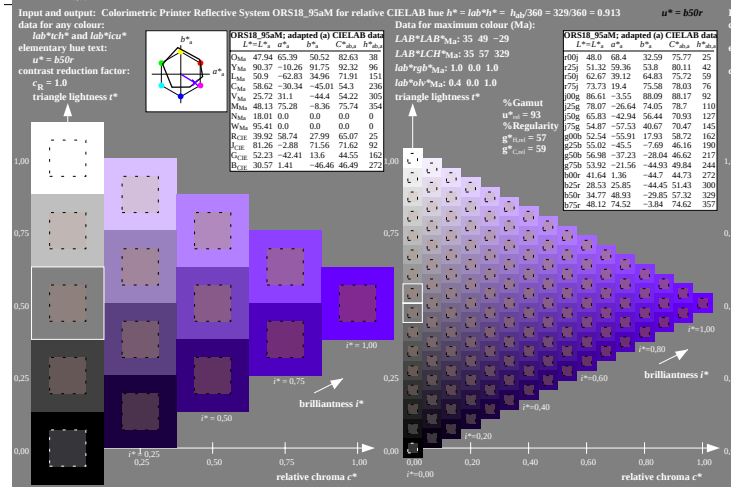
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ $u^* = b50r$

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

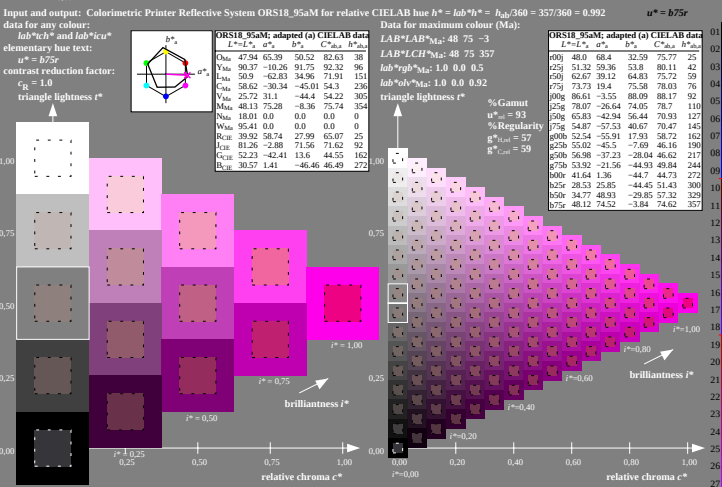
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ $u^* = b75r$

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

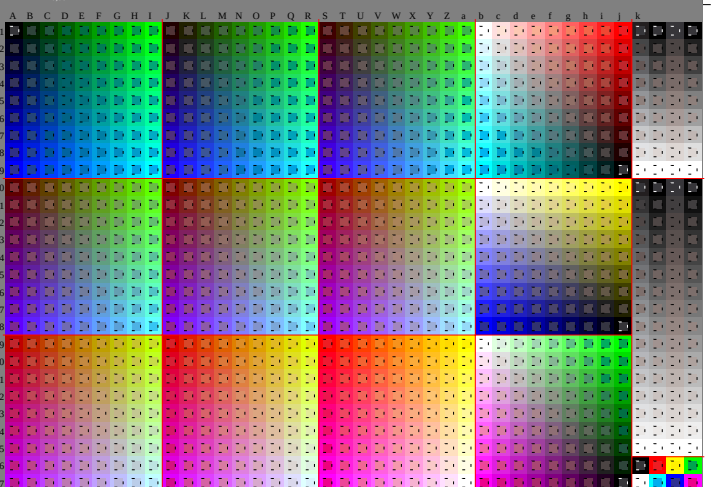
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 75 −3
$LAB^*LCH^*_{Ma}$: 48 75 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.92

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



ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ **u* = g00b**

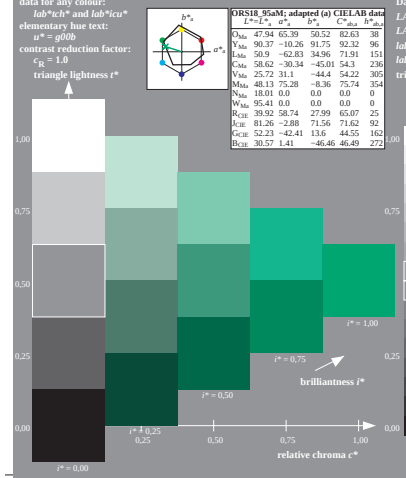
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g00b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

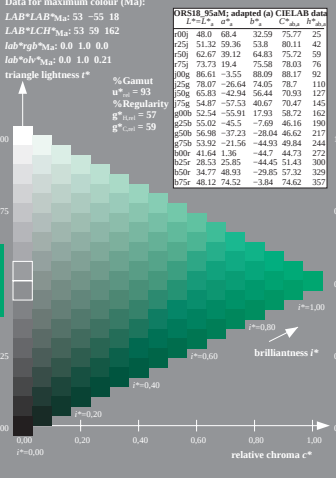
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −55 18
*LAB*LCH**$_{Ma}$: 53 59 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.21

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

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ **u* = g25b**

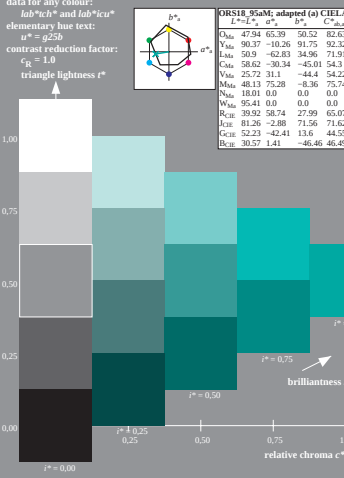
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g25b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

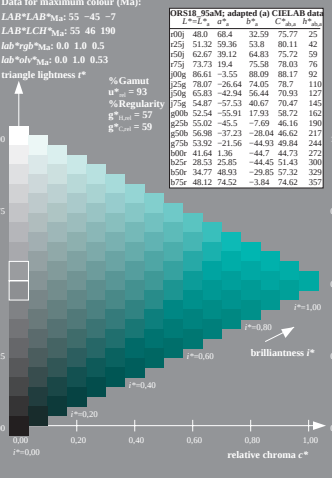
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −45 −7
*LAB*LCH**$_{Ma}$: 55 46 190
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.53

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

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ **u* = g50b**

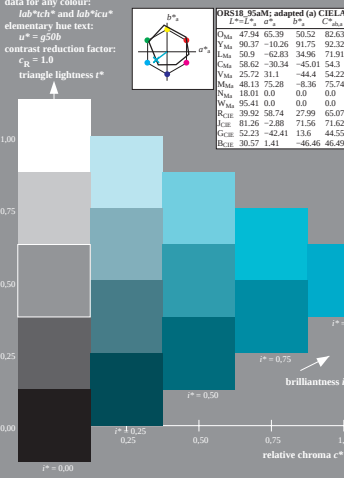
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g50b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

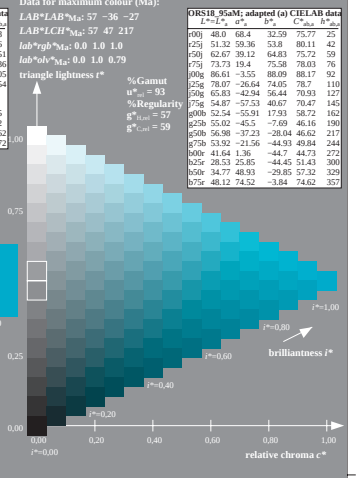
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −36 −27
*LAB*LCH**$_{Ma}$: 57 47 217
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.79

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

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ **u* = g75b**

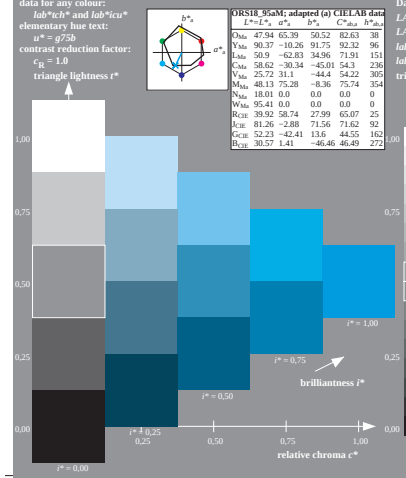
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g75b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

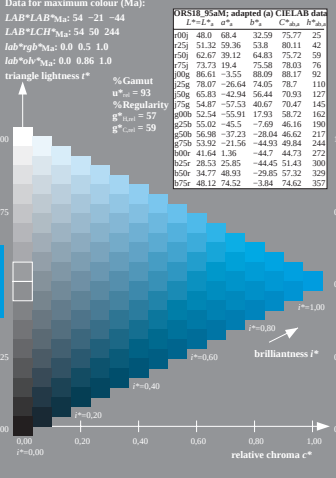
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −21 −44
*LAB*LCH**$_{Ma}$: 54 50 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.86 1.0

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

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ **u* = b00r**

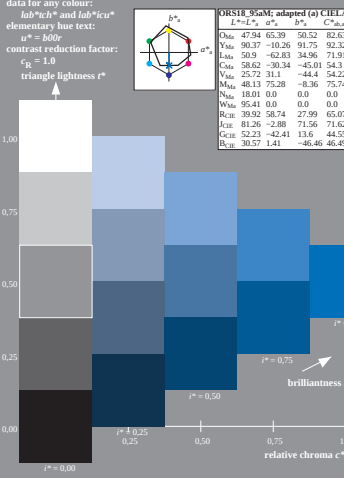
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b00r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

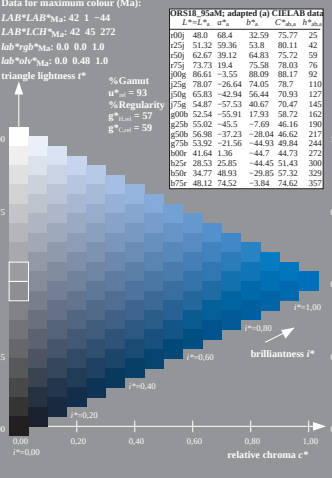
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −44
*LAB*LCH**$_{Ma}$: 42 45 272
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.48 1.0

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

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ **u* = b25r**

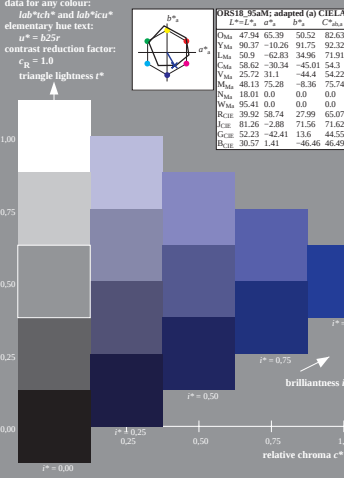
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b25r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

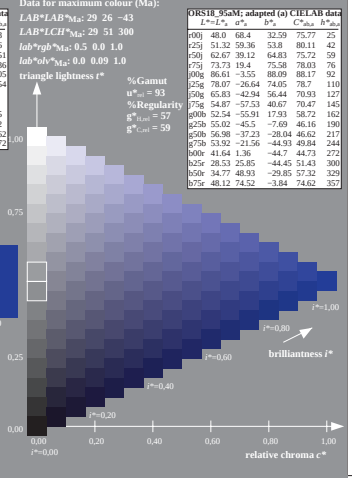
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 29 26 −43
*LAB*LCH**$_{Ma}$: 29 51 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.09 1.0

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

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ **u* = b50r**

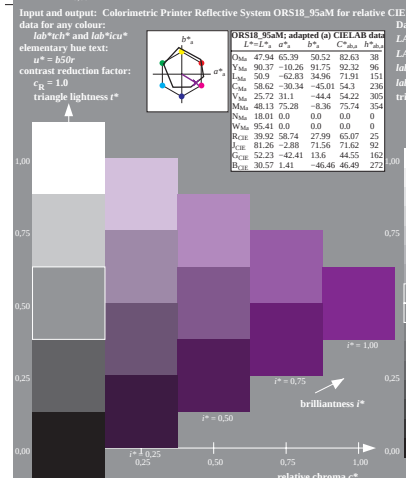
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b50r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

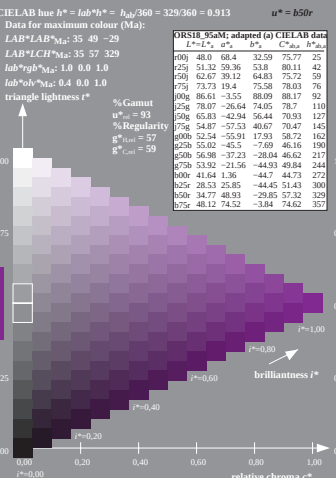
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 35 49 −29
*LAB*LCH**$_{Ma}$: 35 57 329
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.4 0.0 1.0

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

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ **u* = b75r**

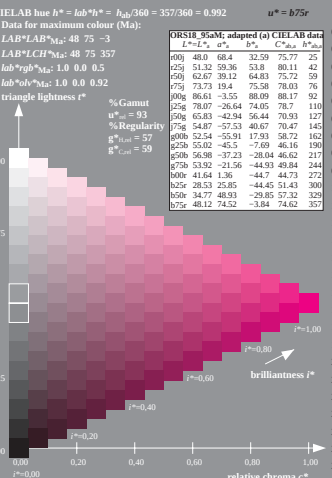
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b75r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

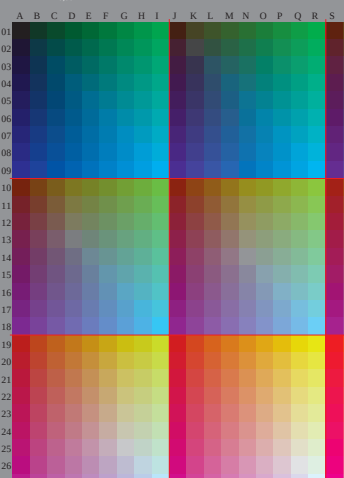
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 75 −3
*LAB*LCH**$_{Ma}$: 48 75 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.92

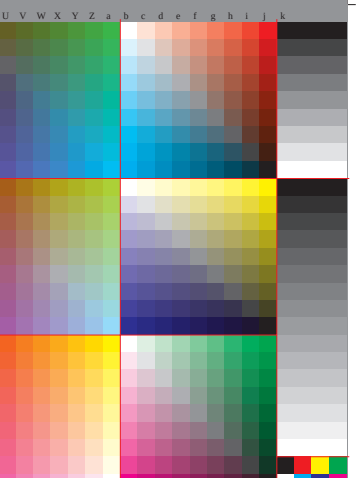
%Gamut u^*_{sol} = 93
%Regularity $g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a)	$L^*=L^*_a$	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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

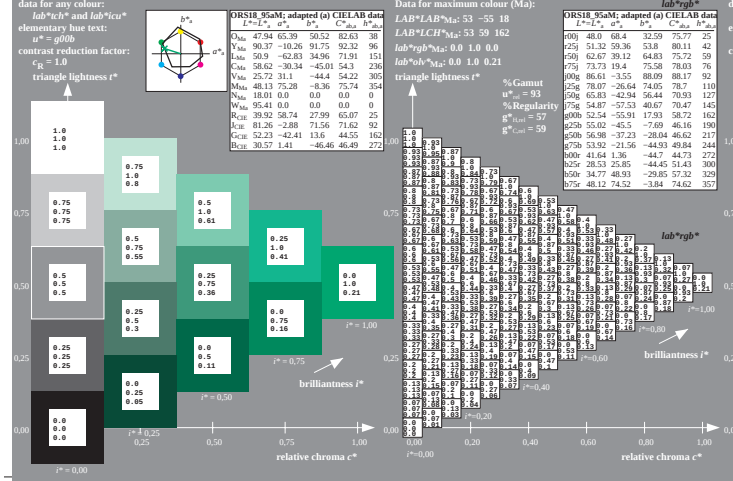
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = g00b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

u = g00b*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

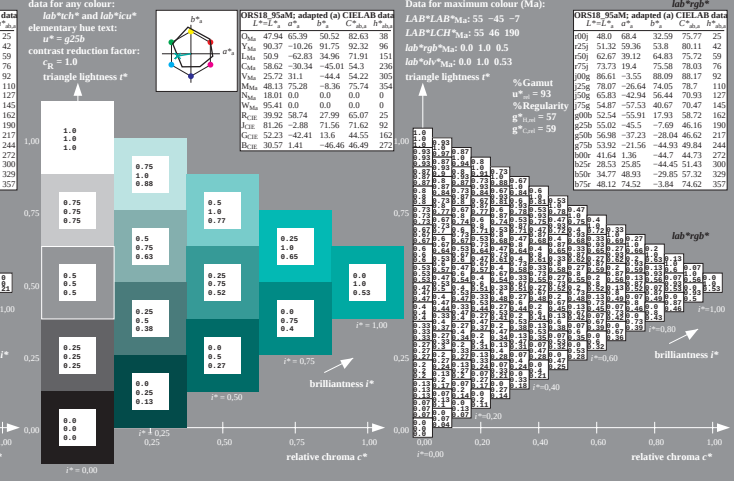
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = g25b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

u = g25b*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

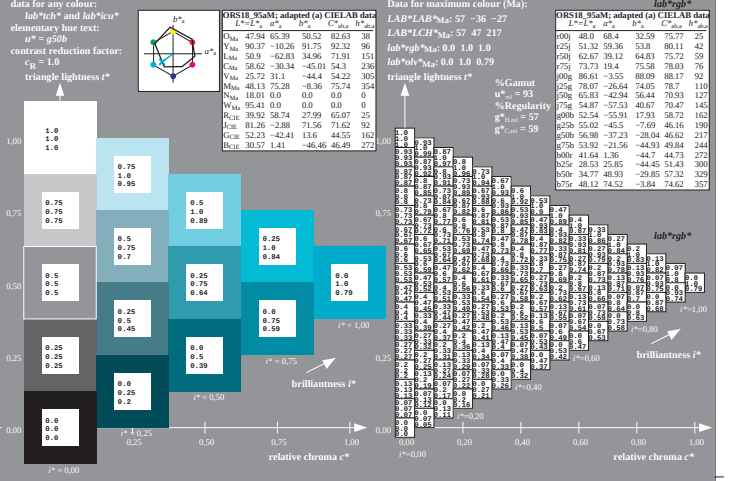
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = g50b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

u = g50b*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

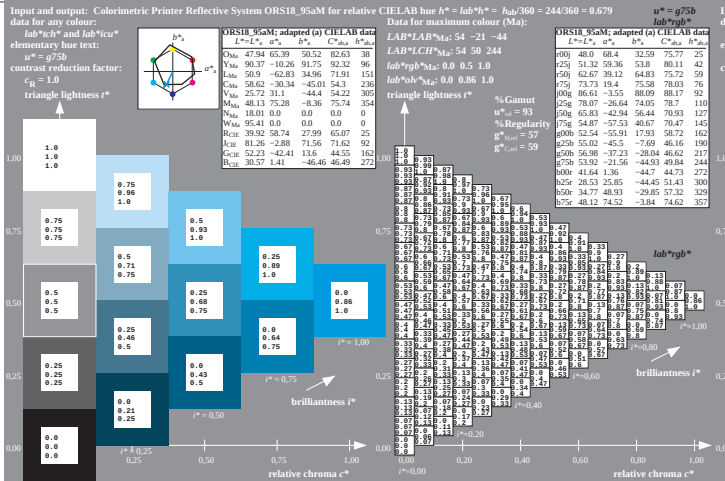
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = g75b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

u = g75b*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

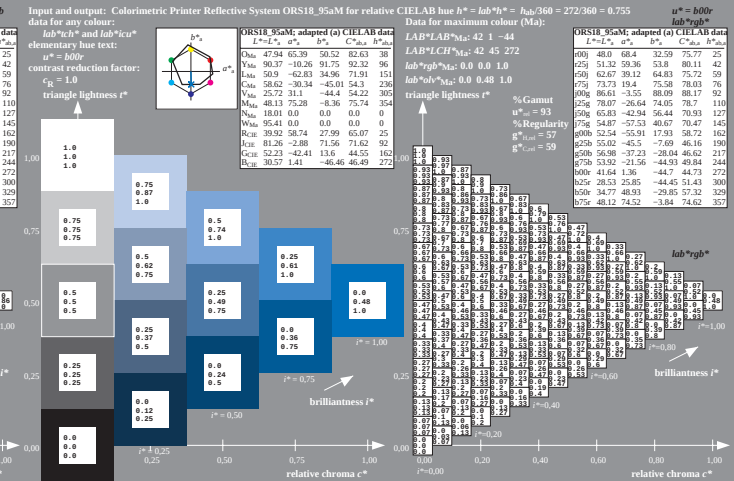
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = b00r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

u = b00r*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

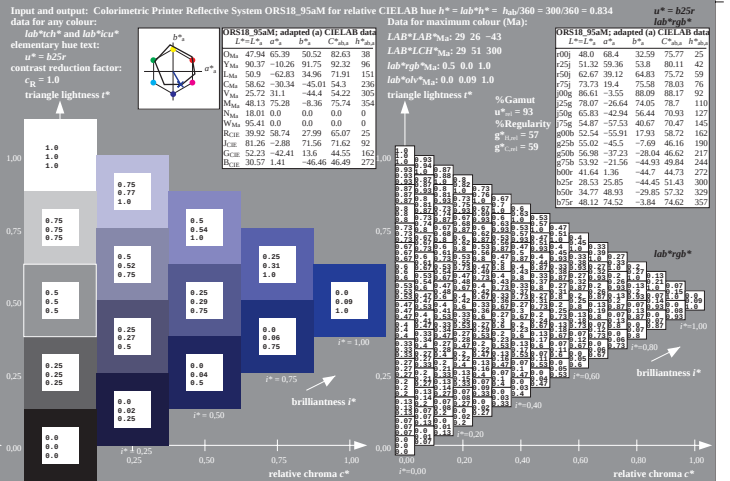
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = b25r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

u = b25r*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

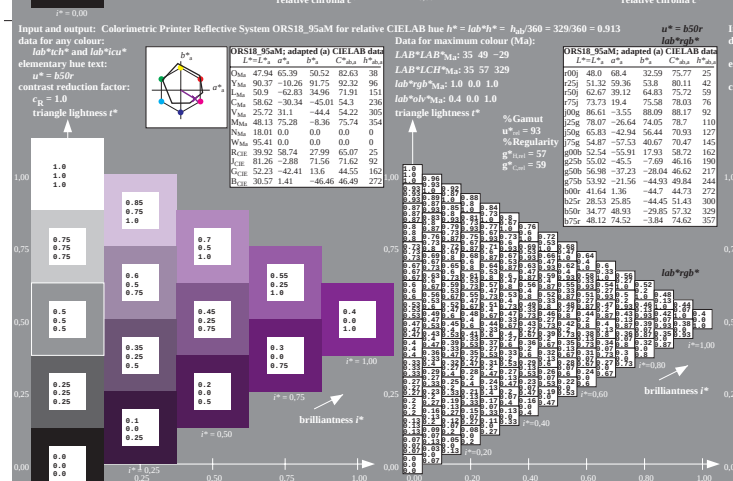
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = b50r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

u = b50r*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

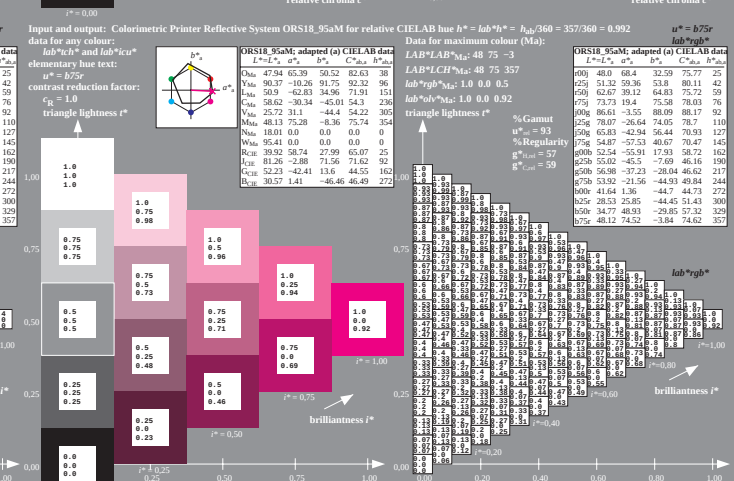
data for any colour: *lab*tch* and lab*icu**
elementary hue text: *u* = b75r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

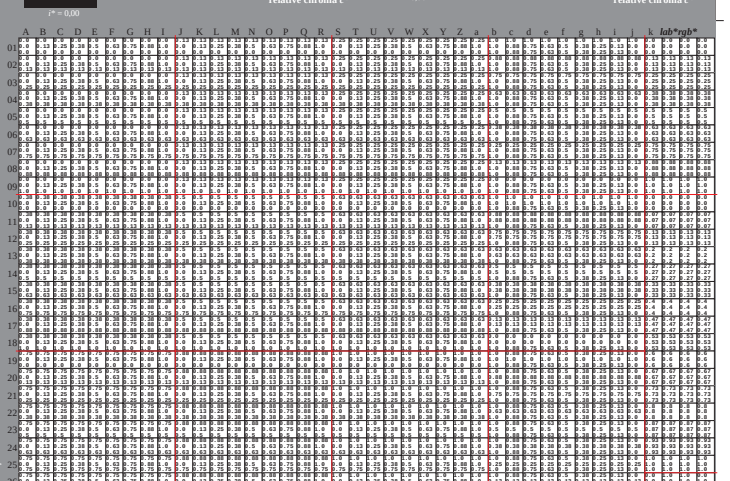
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 75 −3
*LAB*LCH**$_{Ma}$: 48 75 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.92

u = b75r*
*lab*rgb**

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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



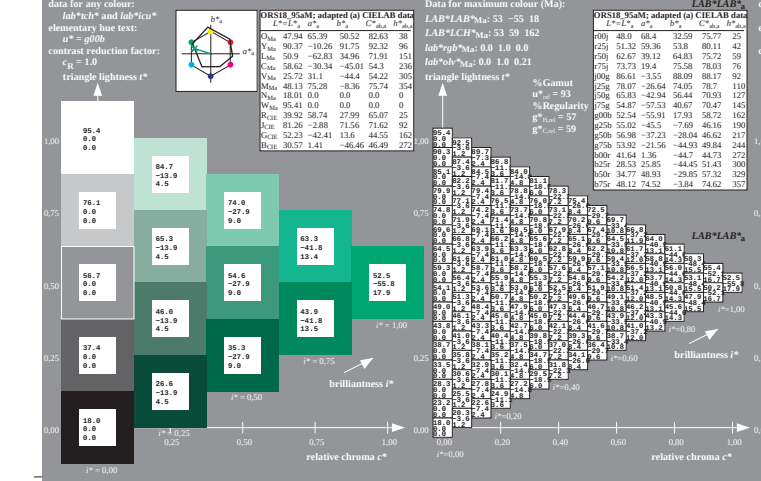


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 162/360 = 0.451$

data for any colour: lab^*ich^* 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

$u^* = g00b$
$LAB^*LAB^*_a$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 190/360 = 0.527$

data for any colour: lab^*ich^* 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

$u^* = g25b$
$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 217/360 = 0.603$

data for any colour: lab^*ich^* 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

$u^* = g50b$
$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 244/360 = 0.679$

data for any colour: lab^*ich^* 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

$u^* = g75b$
$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 272/360 = 0.755$

data for any colour: lab^*ich^* 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

$u^* = b00r$
$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 300/360 = 0.834$

data for any colour: lab^*ich^* 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

$u^* = b25r$
$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 329/360 = 0.913$

data for any colour: lab^*ich^* 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

$u^* = b50r$
$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

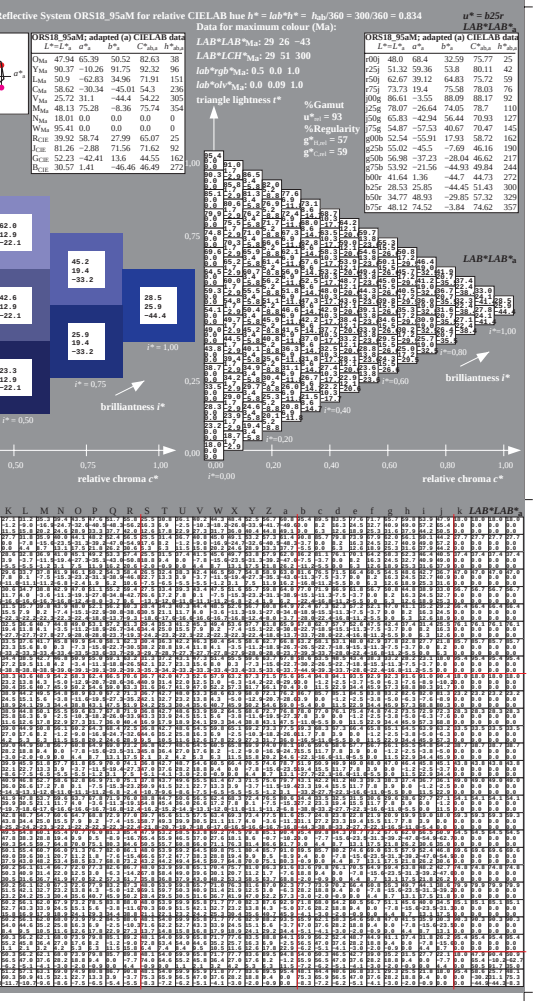
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 357/360 = 0.992$

data for any colour: lab^*ich^* 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

$u^* = b75r$
$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 162/360 = 0.451$ $u^* = g00b$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

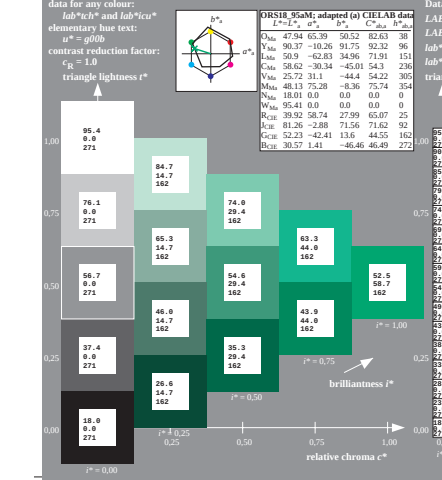
$LAB^*LCH^*_{Ma}$: 53 59 162

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.21

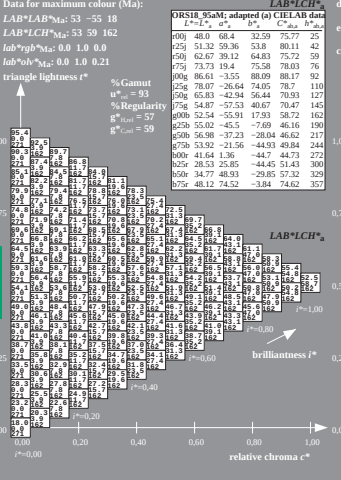
%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 190/360 = 0.527$ $u^* = g25b$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

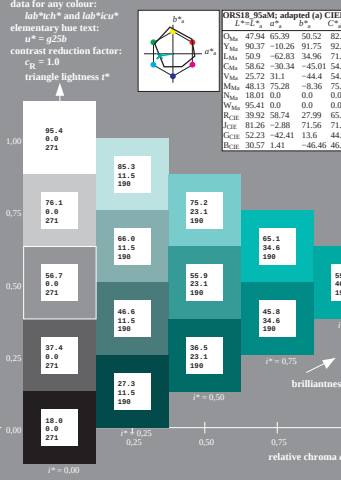
$LAB^*LCH^*_{Ma}$: 55 46 190

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.53

%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 217/360 = 0.603$ $u^* = g50b$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

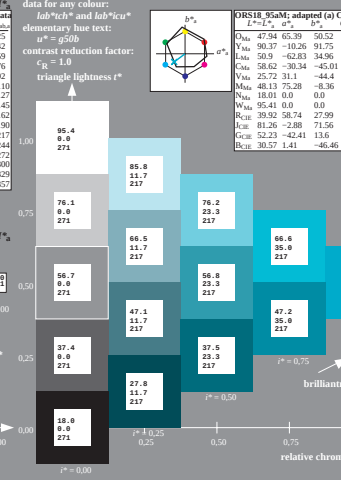
$LAB^*LCH^*_{Ma}$: 57 47 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.79

%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 244/360 = 0.679$ $u^* = g75b$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

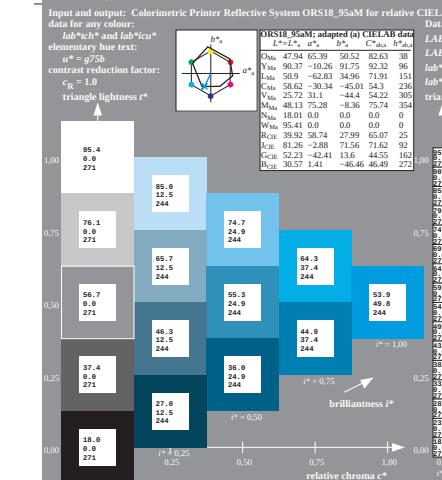
$LAB^*LCH^*_{Ma}$: 54 50 244

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

$lab^*olv^*_{Ma}$: 0.0 0.86 1.0

%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 272/360 = 0.755$ $u^* = b00r$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

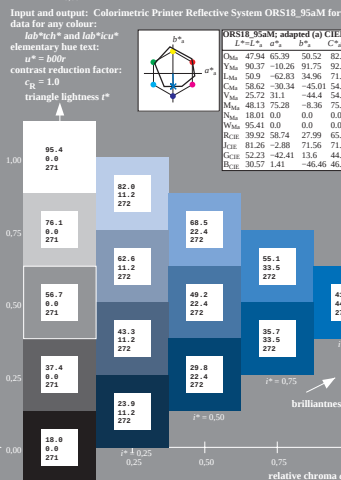
$LAB^*LCH^*_{Ma}$: 42 45 272

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

$lab^*olv^*_{Ma}$: 0.0 0.48 1.0

%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 300/360 = 0.834$ $u^* = b25r$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

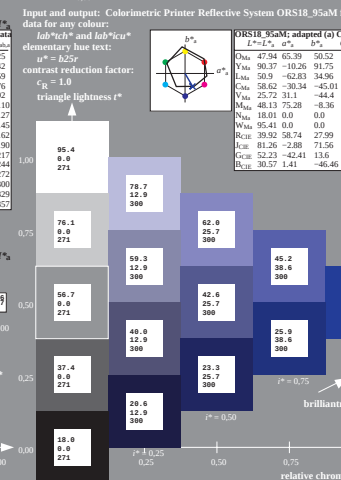
$LAB^*LCH^*_{Ma}$: 29 51 300

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

$lab^*olv^*_{Ma}$: 0.0 0.09 1.0

%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 329/360 = 0.913$ $u^* = b50r$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

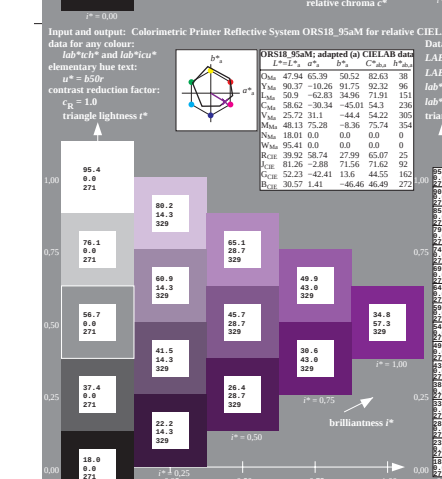
$LAB^*LCH^*_{Ma}$: 35 57 329

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

$lab^*olv^*_{Ma}$: 0.4 0.0 1.0

%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*b^* = h_{lab}/360 = 357/360 = 0.992$ $u^* = b75r$ $LAB^*LCH^*_a$

data for any colour: lab^*ch^* 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

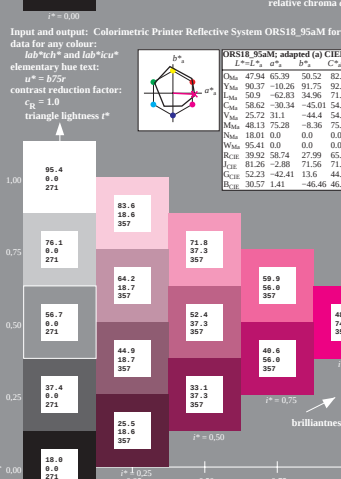
$LAB^*LCH^*_{Ma}$: 48 75 357

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.92

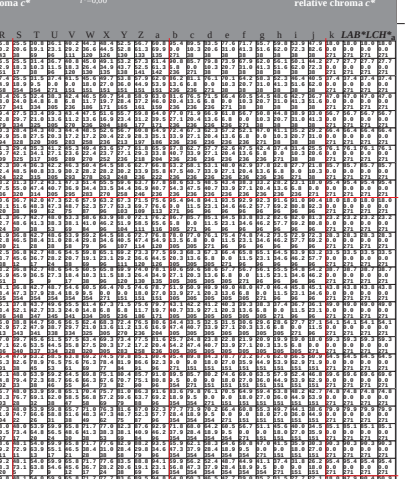
%Gamut $u^*_{out} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

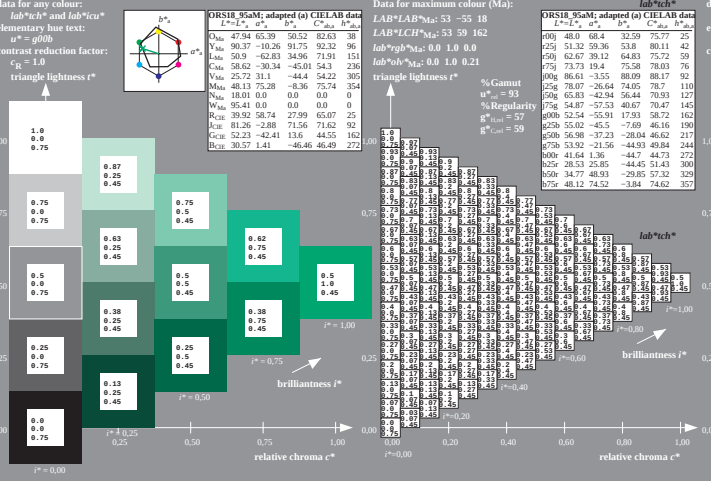


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

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

$u^* = g00b$
lab^*tch^*



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

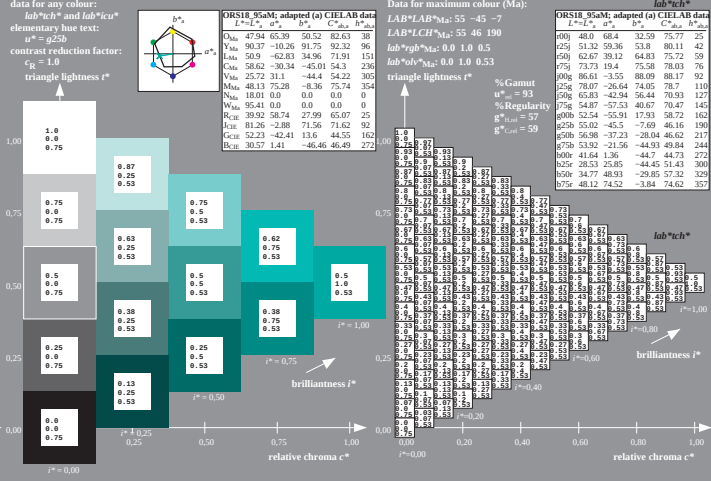
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

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

$u^* = g25b$
lab^*tch^*



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

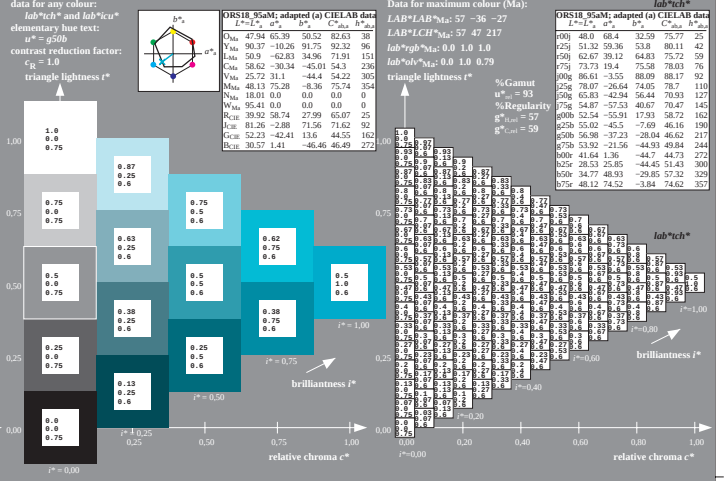
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

$u^* = g50b$
lab^*tch^*



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

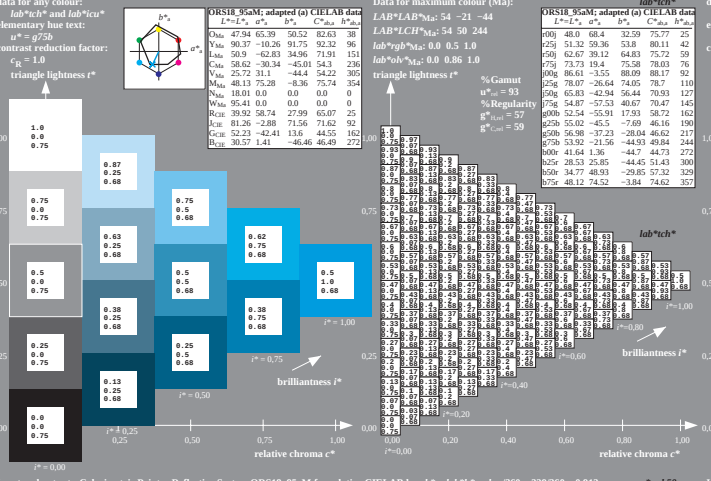
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

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

$u^* = g75b$
lab^*tch^*



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

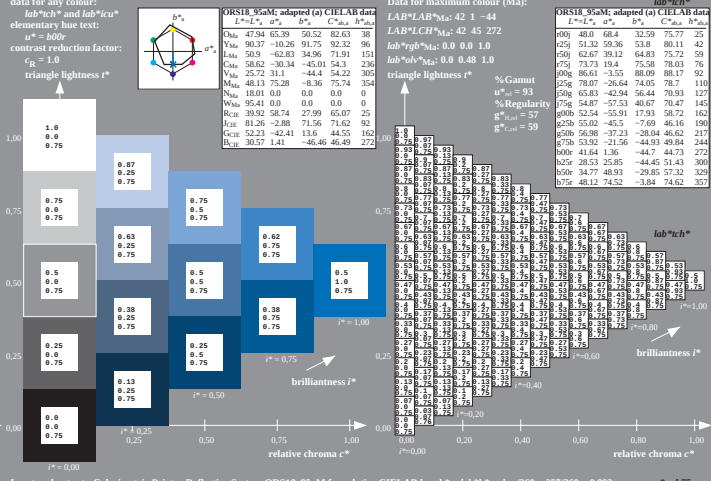
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

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

$u^* = b00r$
lab^*tch^*



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

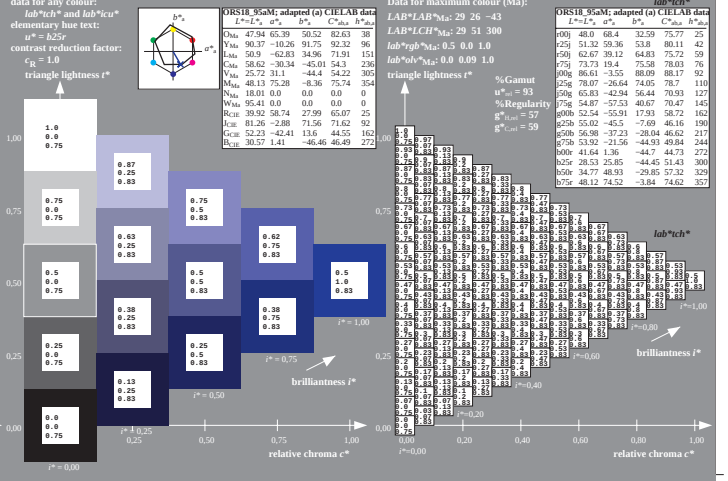
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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

$u^* = b25r$
lab^*tch^*



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

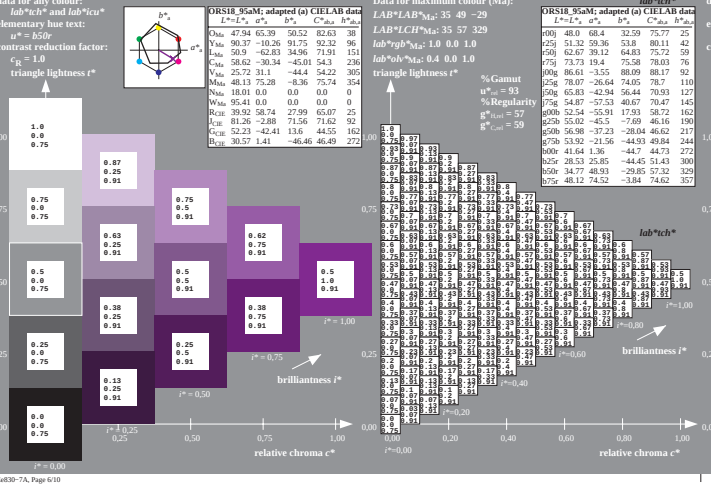
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

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

$u^* = b50r$
lab^*tch^*



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

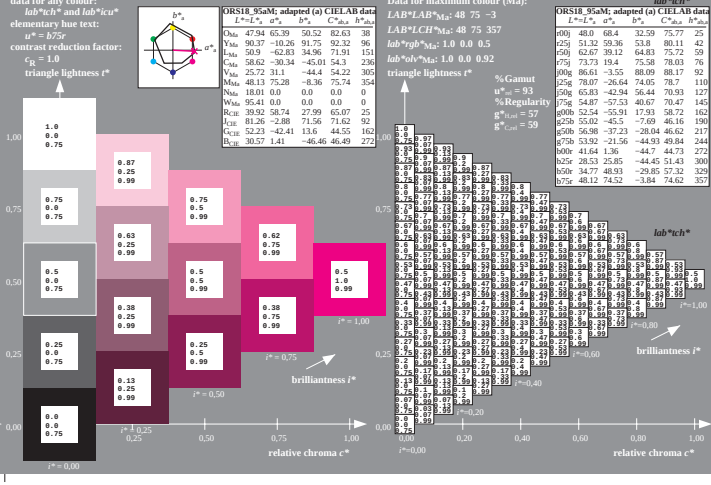
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

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

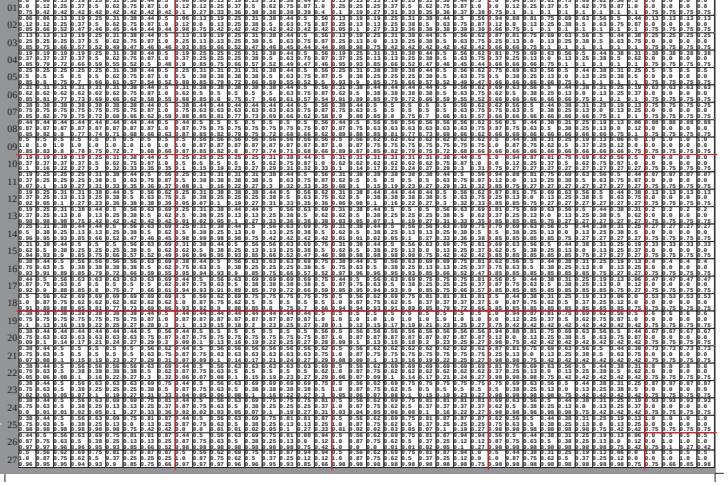
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 75 −3
$LAB^*LCH^*_{Ma}$: 48 75 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.92

$u^* = b75r$
lab^*tch^*



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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 162/360 = 0.451$

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):

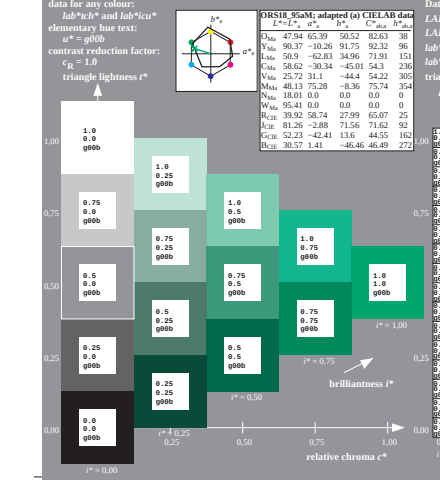
***LAB*LAB*Ma*: 53 −55 18**

***LAB*LCH*Ma*: 53 59 162**

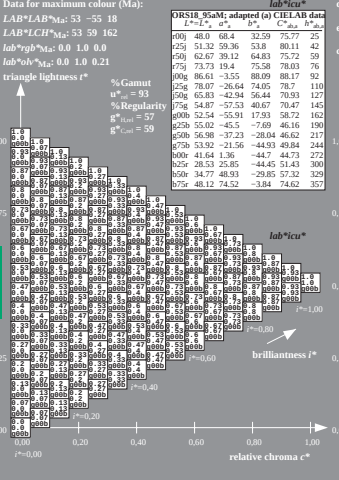
***lab*rgb*Ma*: 0.0 1.0 0.0**

***lab*olv*Ma*: 0.0 1.0 0.21**

u* = g00b
lab*icu*



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



ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 190/360 = 0.527$

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):

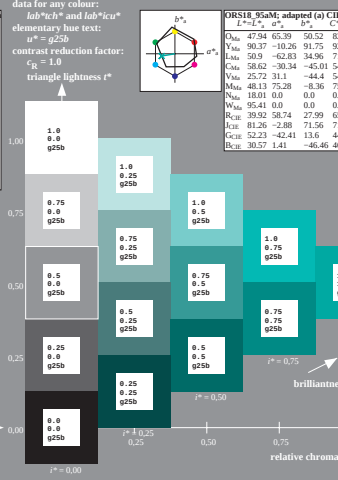
***LAB*LAB*Ma*: 55 −45 −7**

***LAB*LCH*Ma*: 55 46 190**

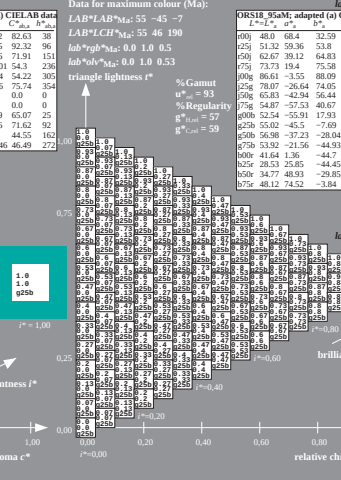
***lab*rgb*Ma*: 0.0 1.0 0.5**

***lab*olv*Ma*: 0.0 1.0 0.53**

u* = g25b
lab*icu*



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



ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 217/360 = 0.603$

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**

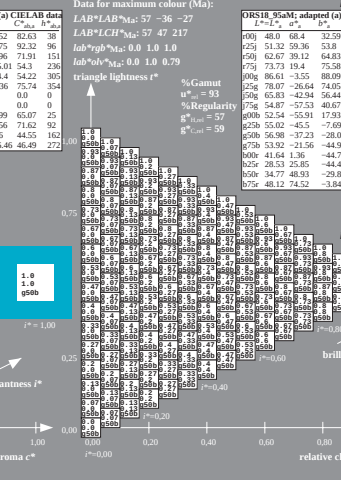
***LAB*LCH*Ma*: 57 47 217**

***lab*rgb*Ma*: 0.0 1.0 1.0**

***lab*olv*Ma*: 0.0 1.0 0.79**

u* = g50b
lab*icu*

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



ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 244/360 = 0.679$

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):

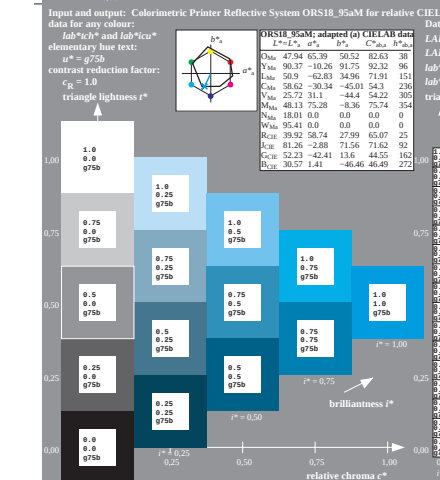
***LAB*LAB*Ma*: 54 −21 −44**

***LAB*LCH*Ma*: 54 50 244**

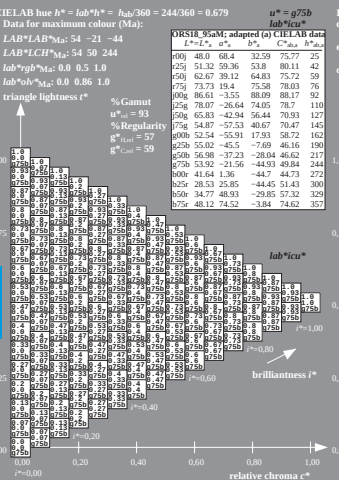
***lab*rgb*Ma*: 0.0 0.5 1.0**

***lab*olv*Ma*: 0.0 0.86 1.0**

u* = g75b
lab*icu*



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



ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 272/360 = 0.755$

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):

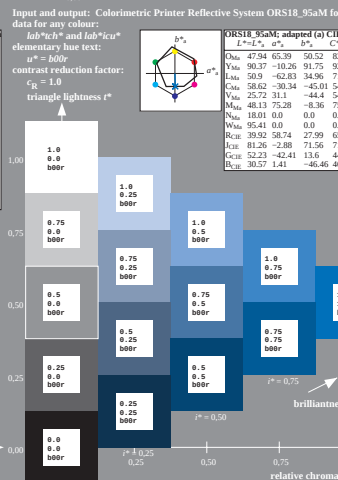
***LAB*LAB*Ma*: 42 1 −44**

***LAB*LCH*Ma*: 42 45 272**

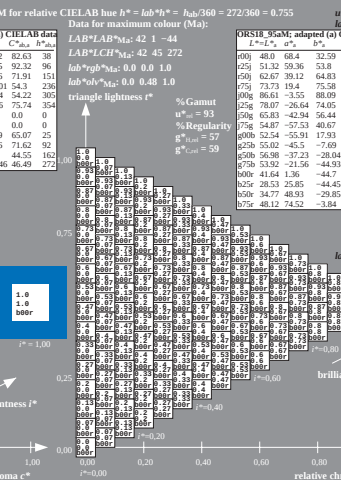
***lab*rgb*Ma*: 0.0 0.0 1.0**

***lab*olv*Ma*: 0.0 0.48 1.0**

u* = b00r
lab*icu*



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



ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 300/360 = 0.834$

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):

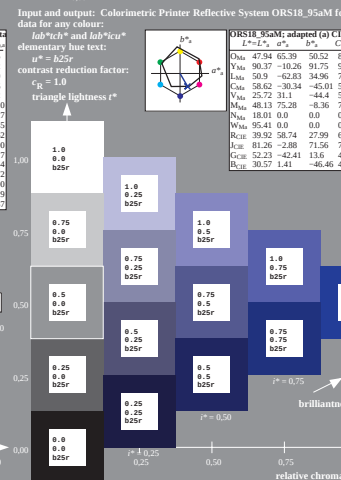
***LAB*LAB*Ma*: 29 26 −43**

***LAB*LCH*Ma*: 29 51 300**

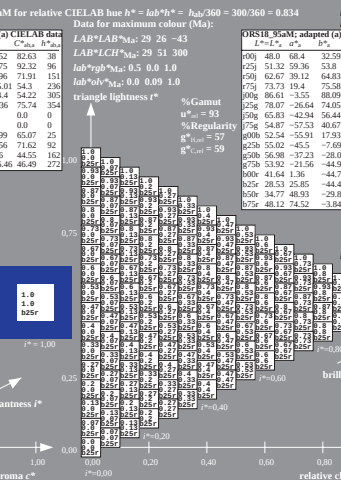
***lab*rgb*Ma*: 0.5 0.0 1.0**

***lab*olv*Ma*: 0.0 0.09 1.0**

u* = b25r
lab*icu*



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



ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 329/360 = 0.913$

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):

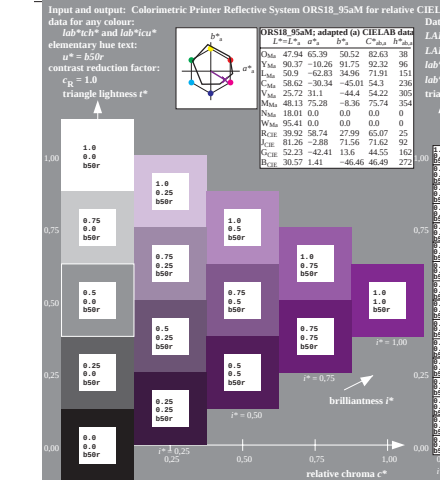
***LAB*LAB*Ma*: 35 49 −29**

***LAB*LCH*Ma*: 35 57 329**

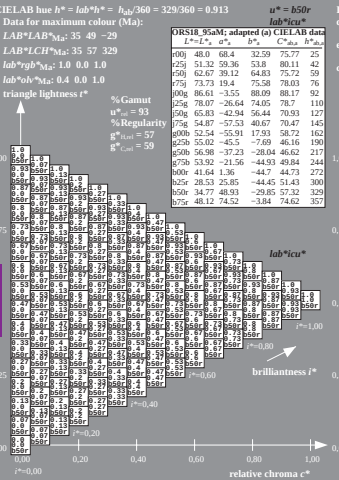
***lab*rgb*Ma*: 1.0 0.0 1.0**

***lab*olv*Ma*: 0.4 0.0 1.0**

u* = b50r
lab*icu*



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



ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{lab}/360 = 357/360 = 0.992$

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):

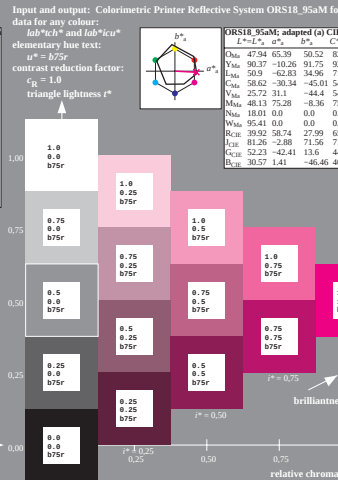
***LAB*LAB*Ma*: 48 75 −3**

***LAB*LCH*Ma*: 48 75 357**

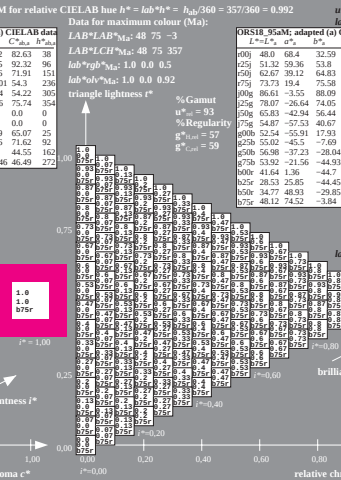
***lab*rgb*Ma*: 1.0 0.0 0.5**

***lab*olv*Ma*: 1.0 0.0 0.92**

u* = b75r
lab*icu*



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



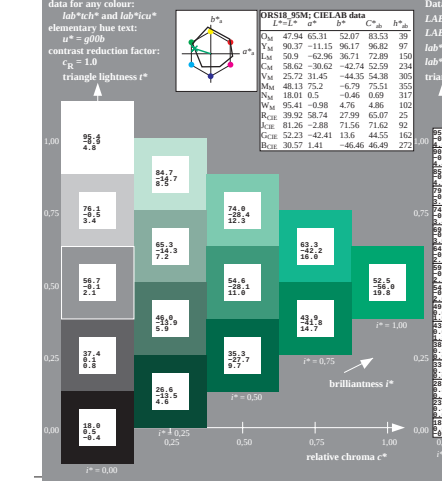
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.0	68.4	32.59	75.77	25
r25g	51.32	59.36	53.8	80.11	42
r50g	62.67	39.12	64.83	75.72	59
r75g	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

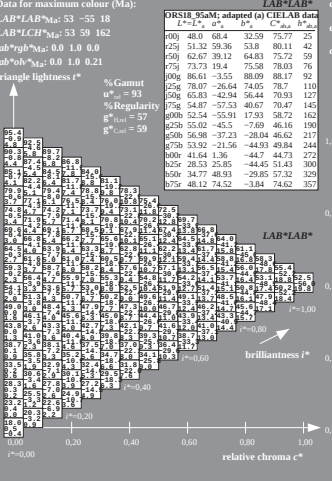
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

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 0.231

u = g00b*
*LAB*LAB**





ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

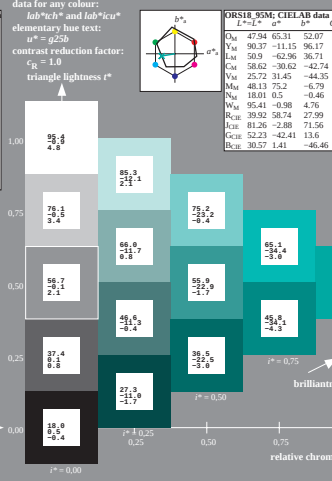
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

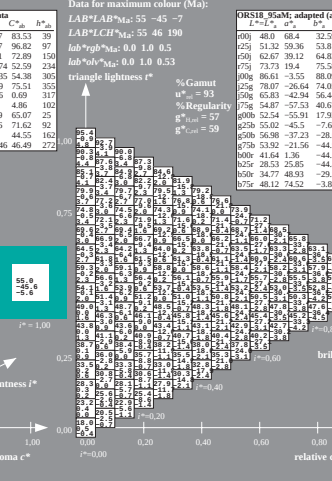
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

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

u = g25b*
*LAB*LAB**





ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

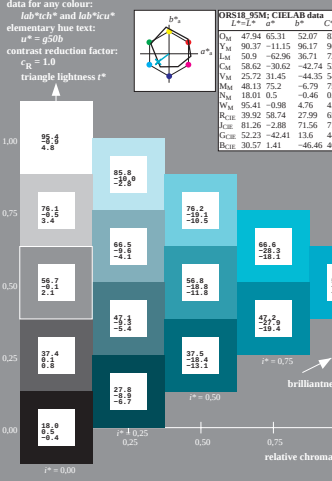
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

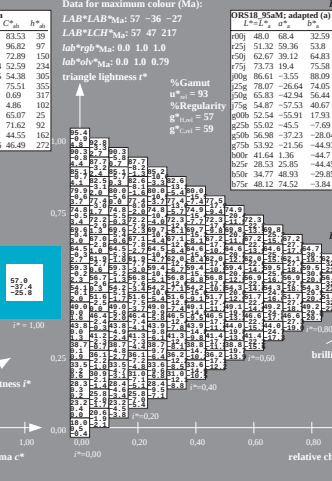
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

u = g50b*
*LAB*LAB**





ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

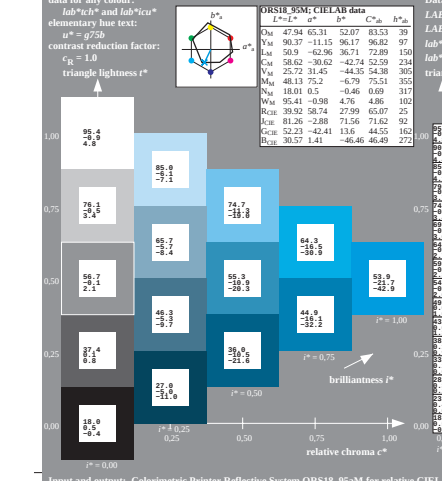
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

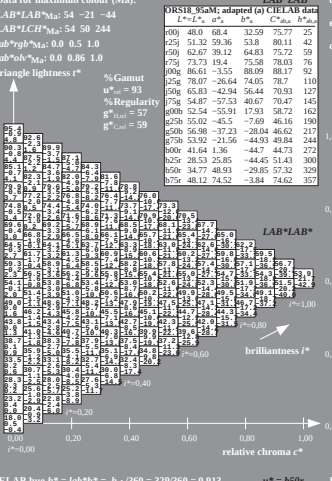
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

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

u = g75b*
*LAB*LAB**





ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

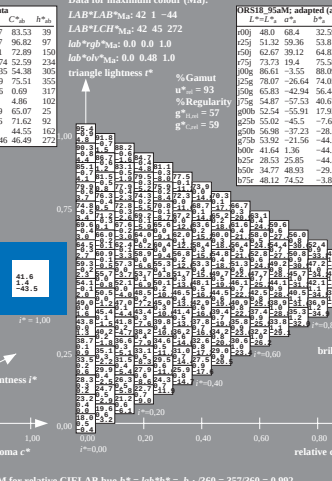
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

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

u = b00r*
*LAB*LAB**



ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

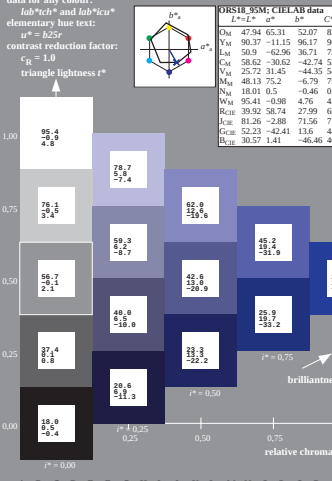
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

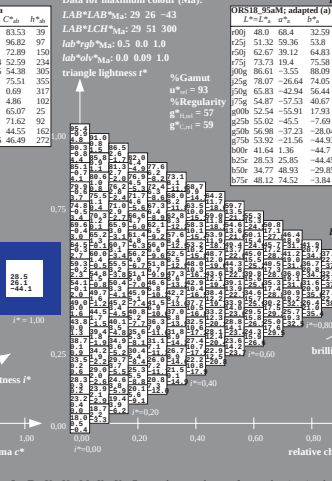
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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

u = b25r*
*LAB*LAB**





ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

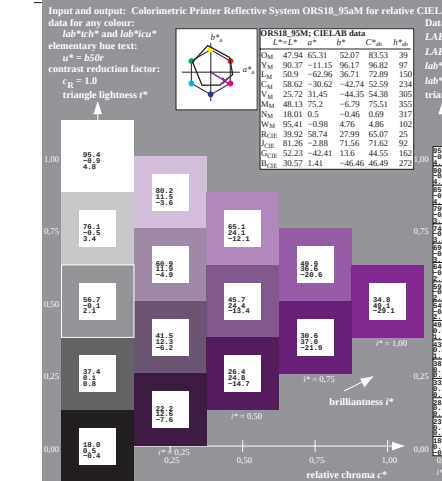
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

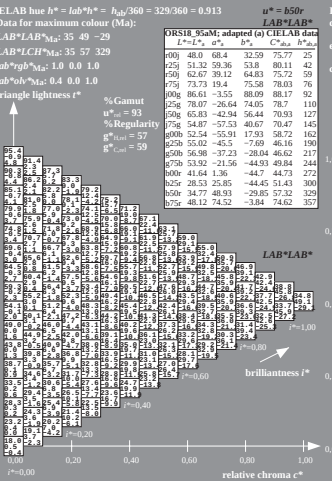
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

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

u = b50r*
*LAB*LAB**





ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

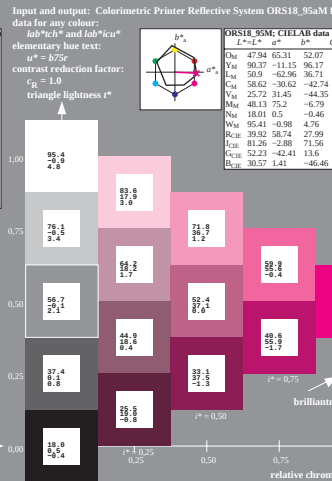
ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

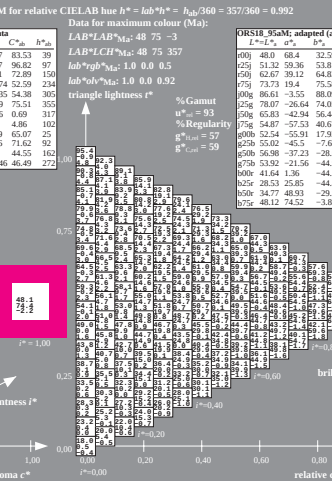
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

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

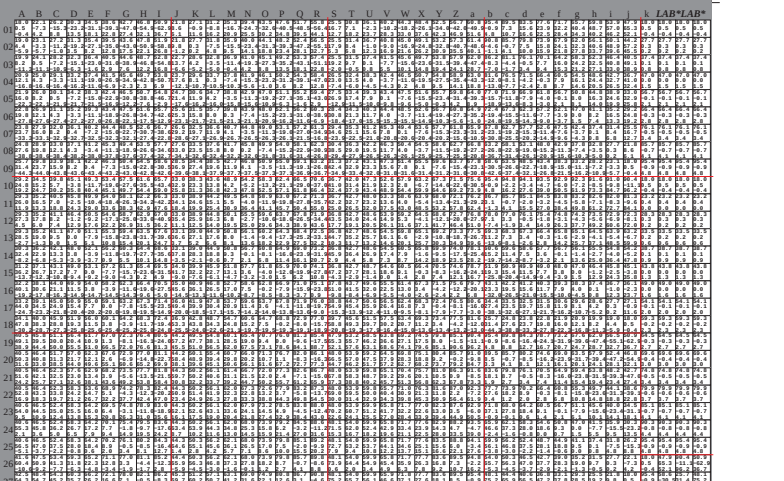
u = b75r*
*LAB*LAB**





ORS18_95M; CIELAB data	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

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**

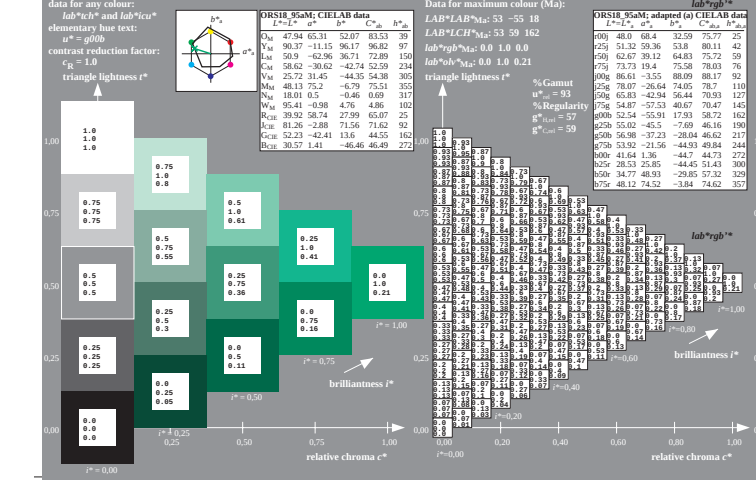
***LAB*LCH*Ma*: 53 59 162**

***lab*rgb*Ma*: 0.0 1.0 0.0**

***lab*olv*Ma*: 0.0 1.0 0.21**

u* = g00b

lab*rgb'*



ORS18_95aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

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**

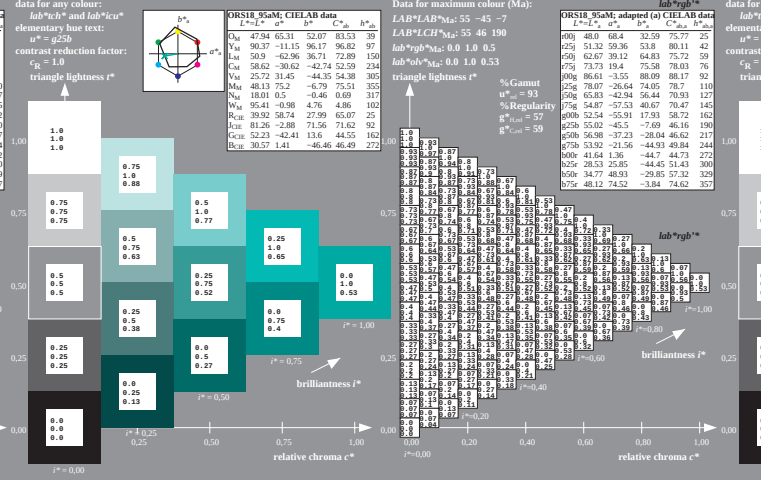
***LAB*LCH*Ma*: 55 46 190**

***lab*rgb*Ma*: 0.0 1.0 0.5**

***lab*olv*Ma*: 0.0 1.0 0.53**

u* = g25b

lab*rgb'*



ORS18_95aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

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**

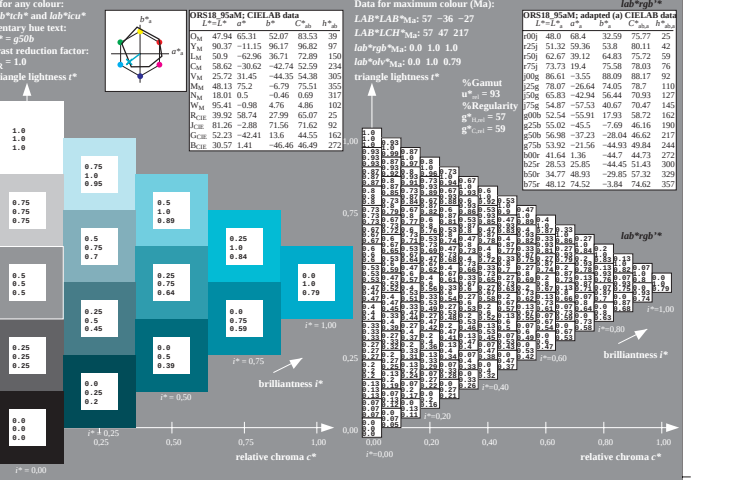
***LAB*LCH*Ma*: 57 47 217**

***lab*rgb*Ma*: 0.0 1.0 1.0**

***lab*olv*Ma*: 0.0 1.0 0.79**

u* = g50b

lab*rgb'*



ORS18_95aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

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**

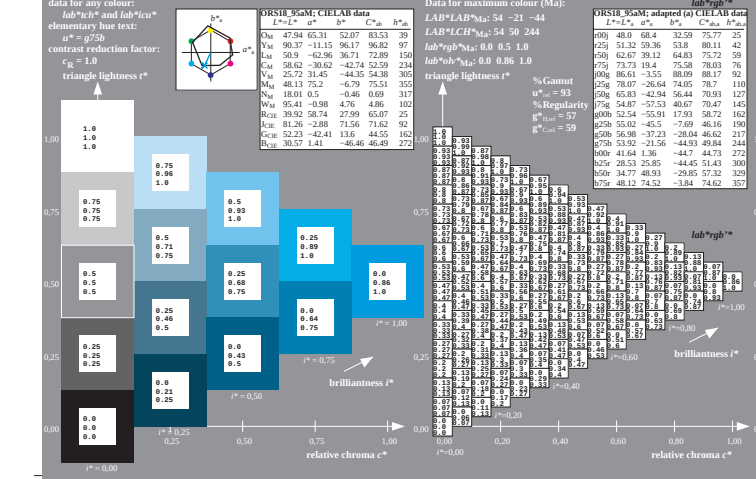
***LAB*LCH*Ma*: 54 50 244**

***lab*rgb*Ma*: 0.0 0.5 1.0**

***lab*olv*Ma*: 0.0 0.86 1.0**

u* = g75b

lab*rgb'*



ORS18_95aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

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**

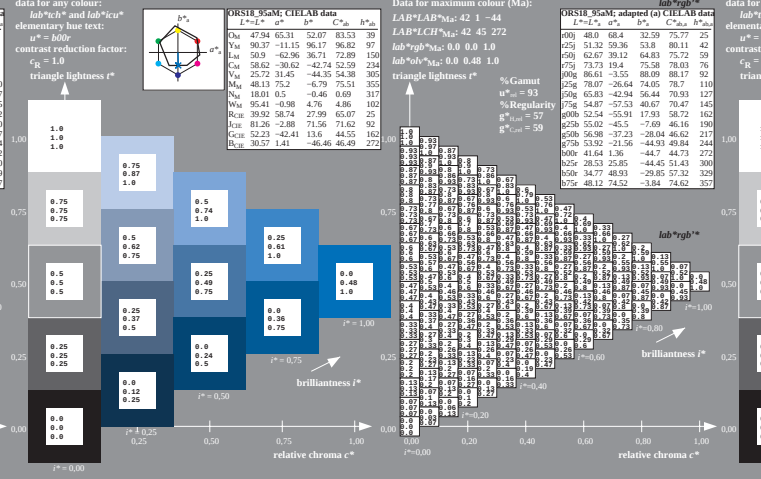
***LAB*LCH*Ma*: 42 45 272**

***lab*rgb*Ma*: 0.0 0.0 1.0**

***lab*olv*Ma*: 0.0 0.48 1.0**

u* = b00r

lab*rgb'*



ORS18_95aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

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**

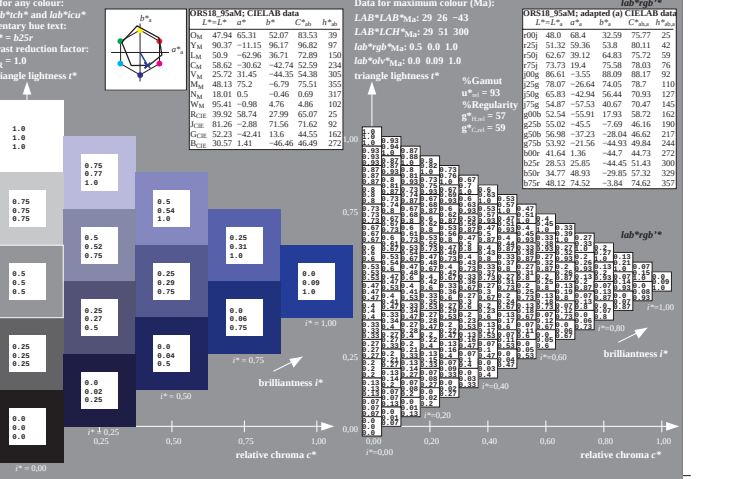
***LAB*LCH*Ma*: 29 51 300**

***lab*rgb*Ma*: 0.5 0.0 1.0**

***lab*olv*Ma*: 0.0 0.09 1.0**

u* = b25r

lab*rgb'*



ORS18_95aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

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**

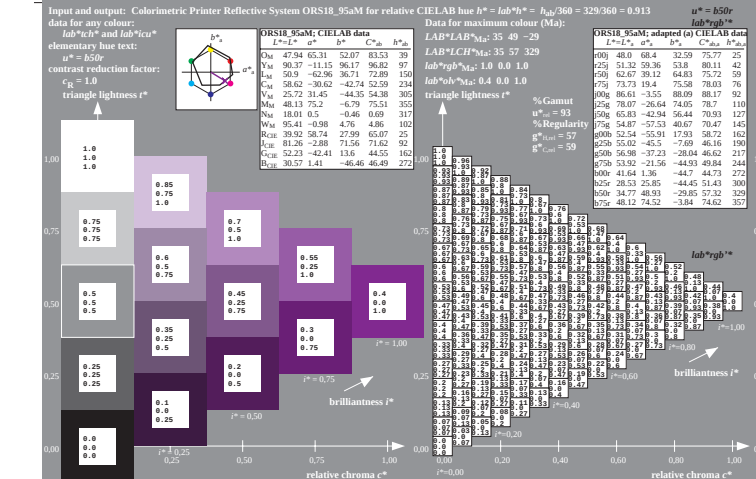
***LAB*LCH*Ma*: 35 57 329**

***lab*rgb*Ma*: 1.0 0.0 1.0**

***lab*olv*Ma*: 0.4 0.0 1.0**

u* = b50r

lab*rgb'*



ORS18_95aM; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

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**

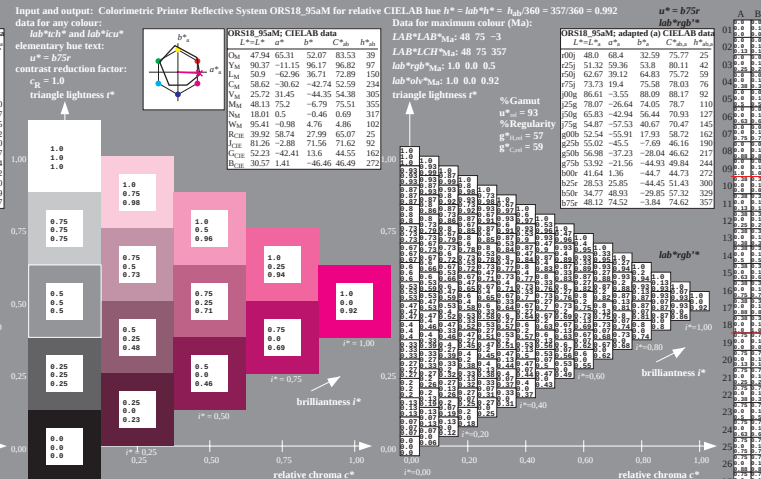
***LAB*LCH*Ma*: 48 75 357**

***lab*rgb*Ma*: 1.0 0.0 0.5**

***lab*olv*Ma*: 1.0 0.0 0.92**

u* = b75r

lab*rgb'*



ORS18_95aM; CIELAB data

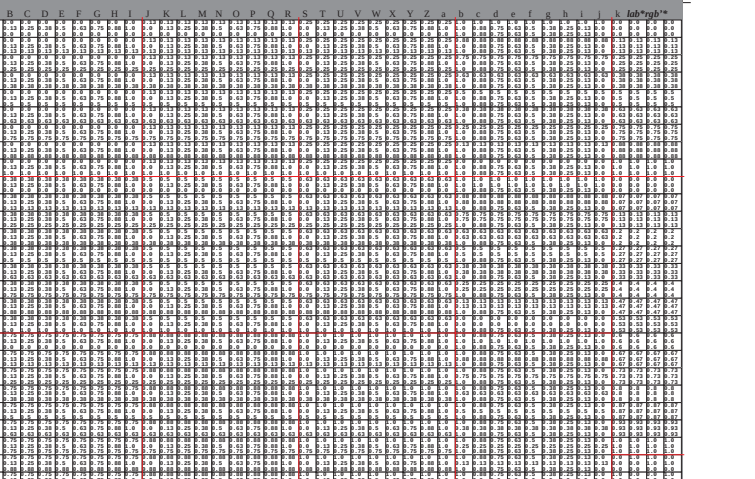
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	47.94	65.31	52.07	83.53	39
Y_M	90.37	−11.15	96.17	96.82	97
L_M	50.9	−62.96	36.71	72.89	150
C_M	58.62	−30.62	−42.74	52.59	234
V_M	25.72	31.45	−44.35	54.38	305
M_M	48.13	75.2	−6.79	75.51	355
N_M	18.01	0.5	−0.46	0.69	317
W_M	95.41	−0.98	4.76	4.86	102
R_{CIE}	39.92	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

ORS18_95aM; adapted (a) CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
r00j	48.0	68.4	32.59	75.77	25
r25j	51.32	59.36	53.8	80.11	42
r50j	62.67	39.12	64.83	75.72	59
r75j	73.73	19.4	75.58	78.03	76
g00g	86.61	−3.55	88.09	88.17	92
g25g	78.07	−26.64	74.05	78.7	110
g50g	65.83	−42.94	56.44	70.93	127
g75g	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

%Gamut $u^*_{Lcl} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

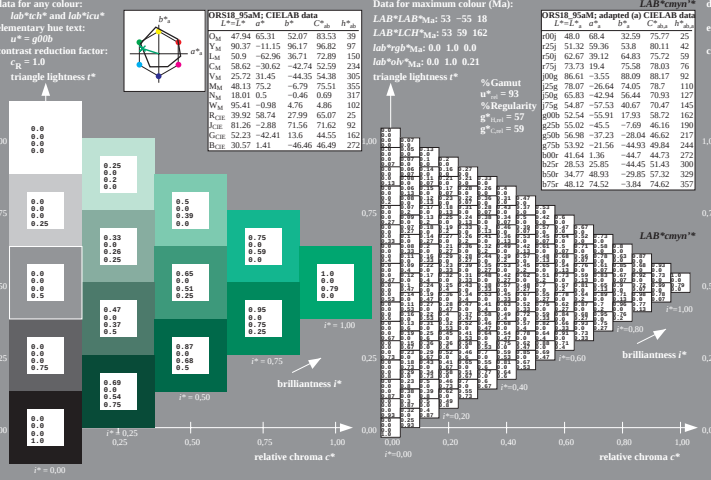


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g00b$
contrast reduction factor: $c_{R\ CIE} = 1.0$
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

$u^* = g00b$
LAB^*cmyn^*

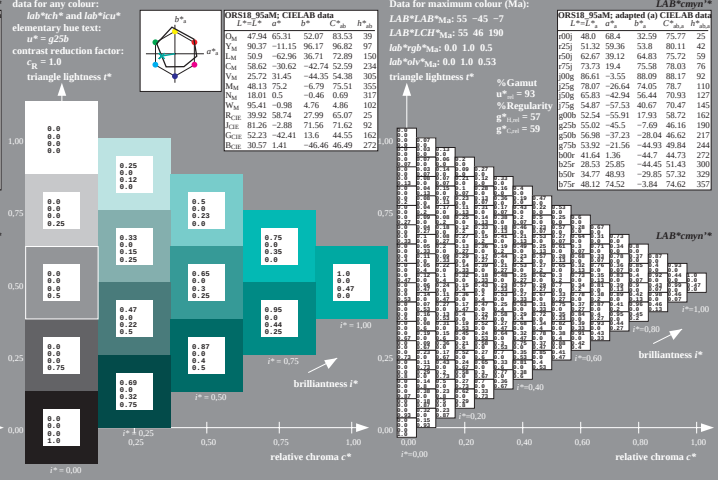


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_{R\ CIE} = 1.0$
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

$u^* = g25b$
LAB^*cmyn^*

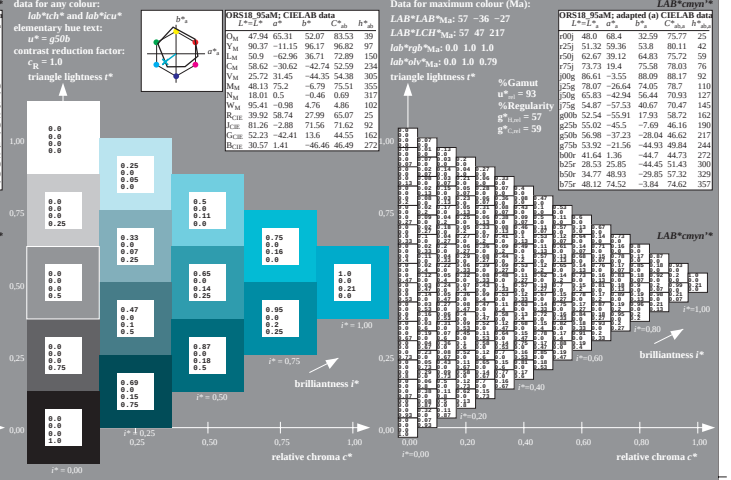


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_{R\ CIE} = 1.0$
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

$u^* = g50b$
LAB^*cmyn^*

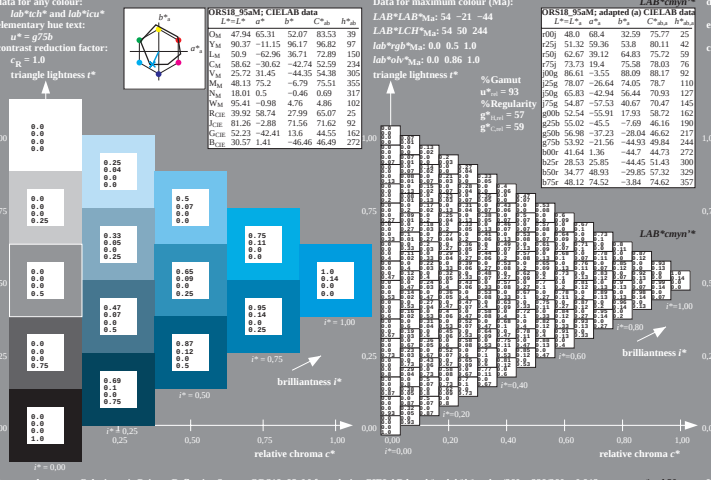


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_{R\ CIE} = 1.0$
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

$u^* = g75b$
LAB^*cmyn^*

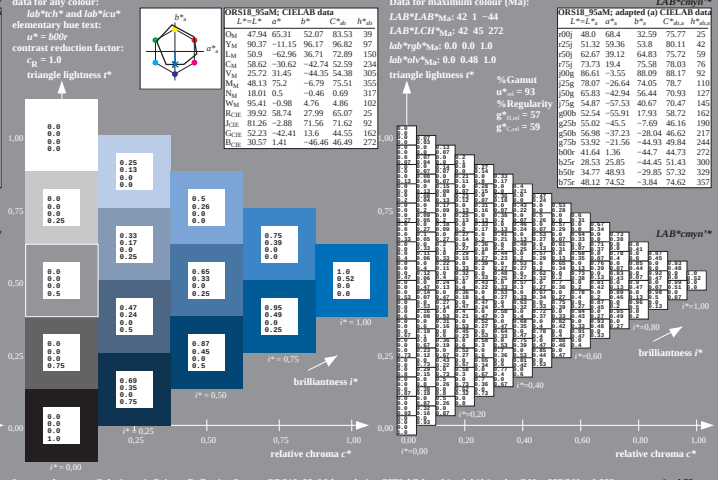


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_{R\ CIE} = 1.0$
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

$u^* = b00r$
LAB^*cmyn^*

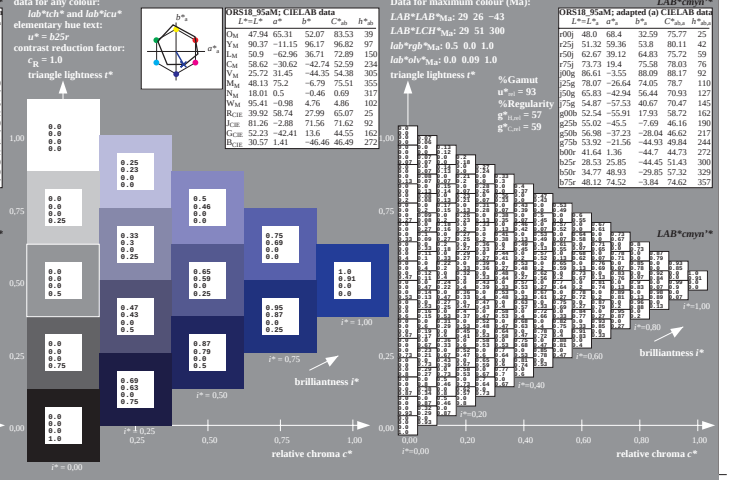


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b25r$
contrast reduction factor: $c_{R\ CIE} = 1.0$
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

$u^* = b25r$
LAB^*cmyn^*

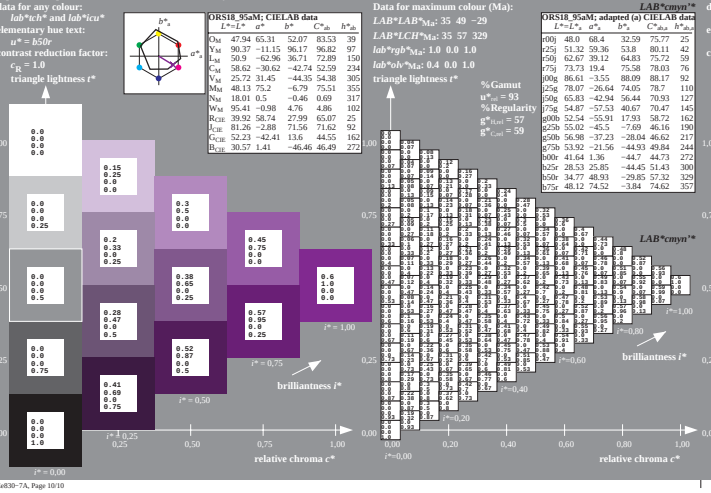


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b50r$
contrast reduction factor: $c_{R\ CIE} = 1.0$
triangle lightness t^*

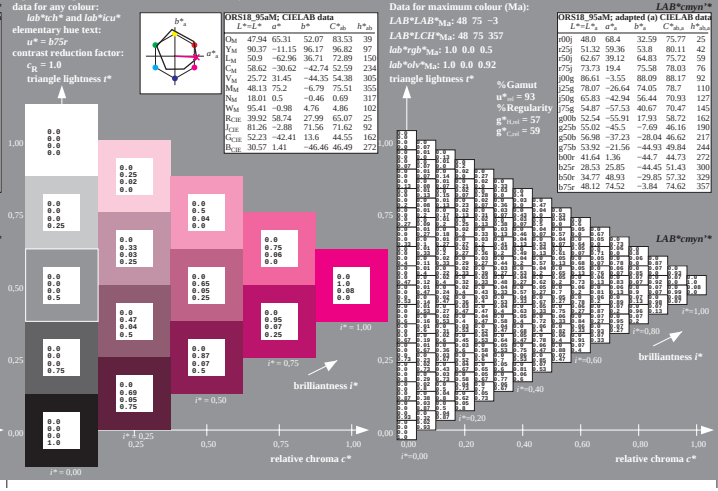
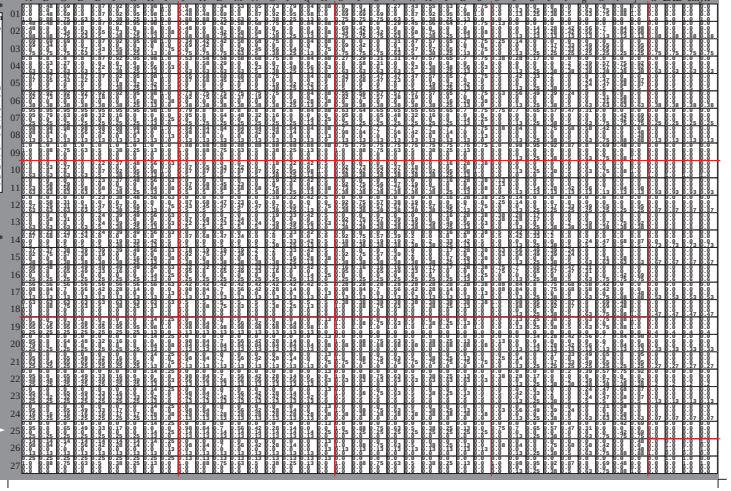
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 49 −29
$LAB^*LCH^*_{Ma}$: 35 57 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.4 0.0 1.0

$u^* = b50r$
LAB^*cmyn^*



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

data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_{R\ CIE} = 1.0$
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

$u^* = b75r$
LAB^*cmyn^*