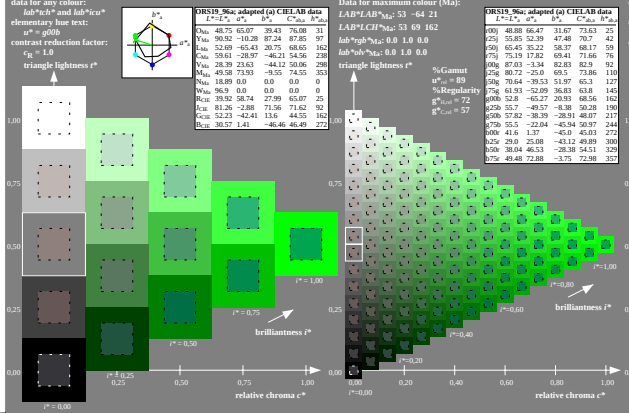
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ — $u^* = g00b$

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 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*oh^*_{Ma}$: 0.0 1.0 0.0

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

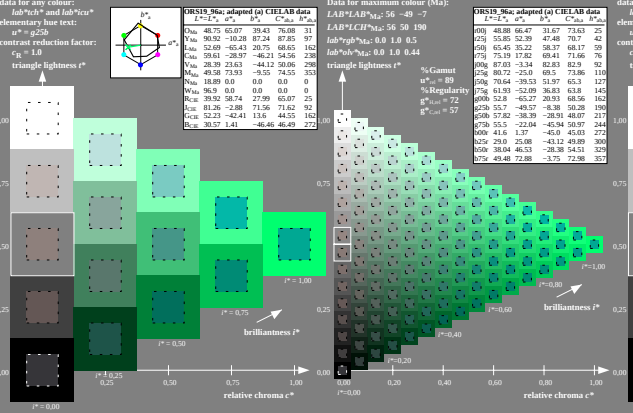


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ — $u^* = g25b$

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):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*oh^*_{Ma}$: 0.0 1.0 0.44

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

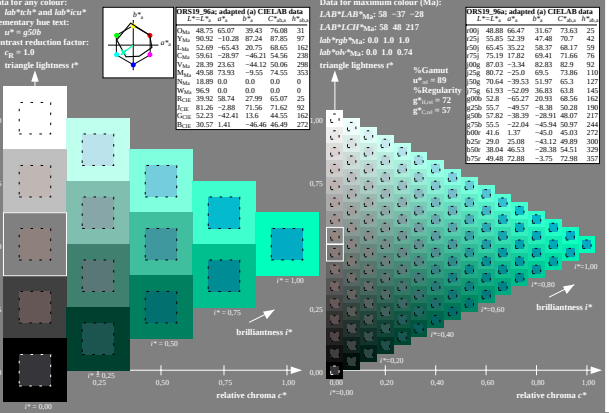


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ — $u^* = g50b$

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):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*oh^*_{Ma}$: 0.0 1.0 0.74

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

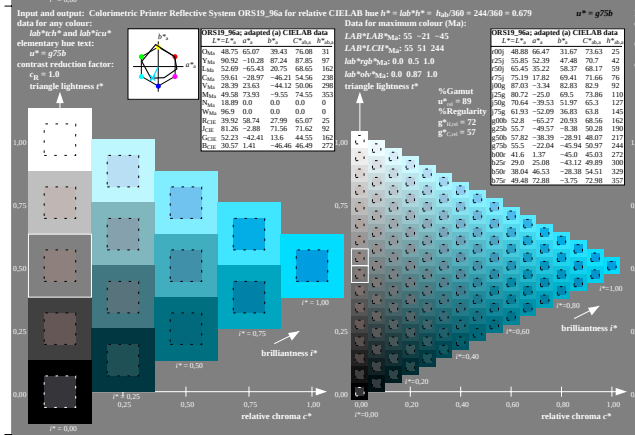


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ — $u^* = g75b$

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):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.87 1.0
$lab^*oh^*_{Ma}$: 0.0 0.87 1.0

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

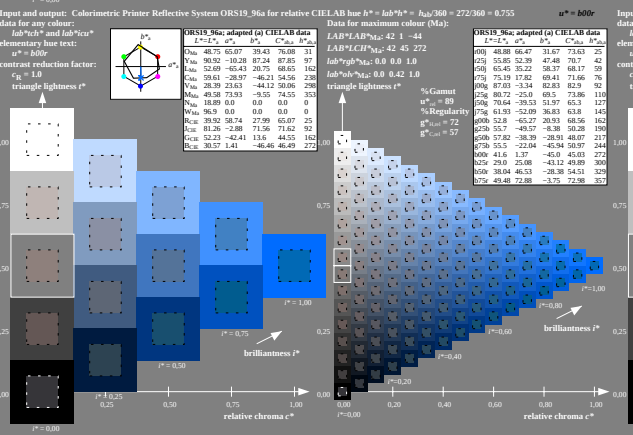


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ — $u^* = b00r$

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
$lab^*oh^*_{Ma}$: 0.0 0.42 1.0

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

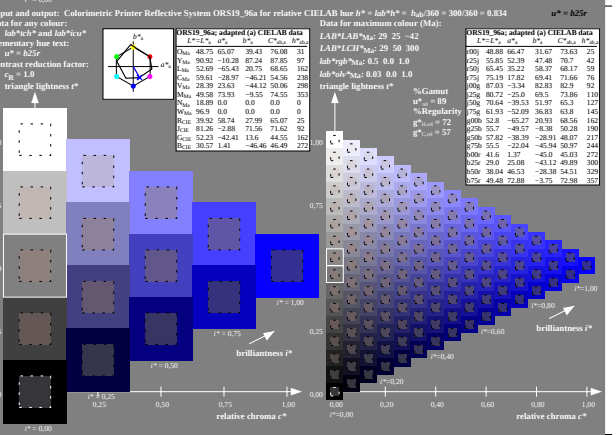


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ — $u^* = b25r$

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 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*oh^*_{Ma}$: 0.03 0.0 1.0

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

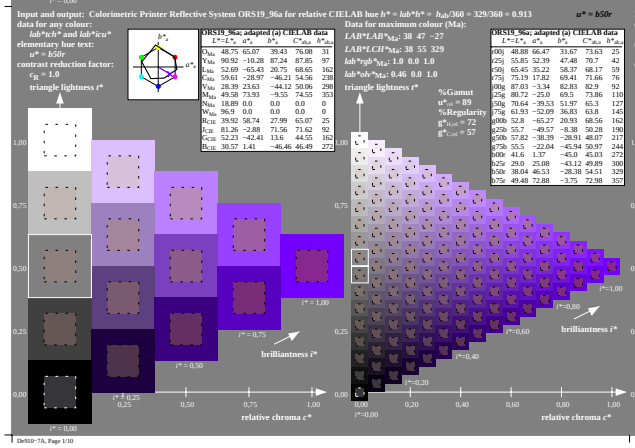


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ — $u^* = b50r$

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):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*oh^*_{Ma}$: 0.46 0.0 1.0

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

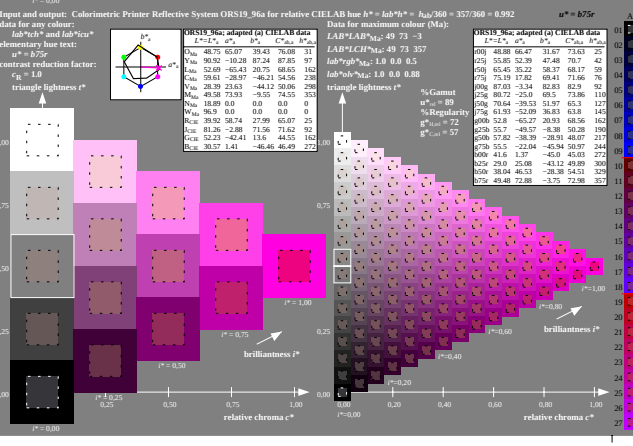


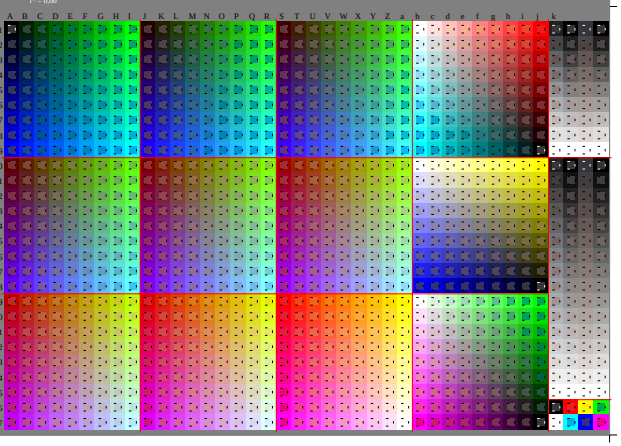
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ — $u^* = b75r$

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):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*oh^*_{Ma}$: 1.0 0.0 0.88

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





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 162/360 = 0.451$ $u^* = g00b$

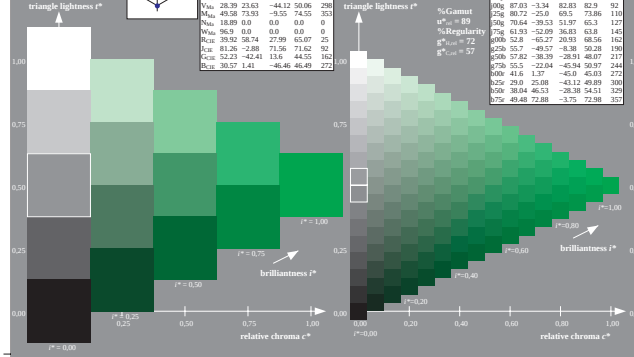
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g00b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*oh^*_{Ma}$: 0.0 1.0 0.0

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 190/360 = 0.527$ $u^* = g25b$

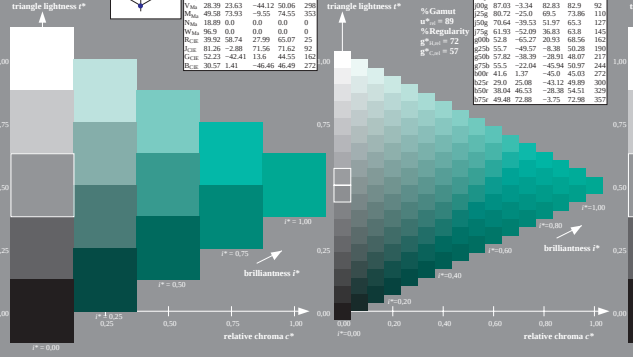
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*oh^*_{Ma}$: 0.0 1.0 0.44

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 217/360 = 0.603$ $u^* = g50b$

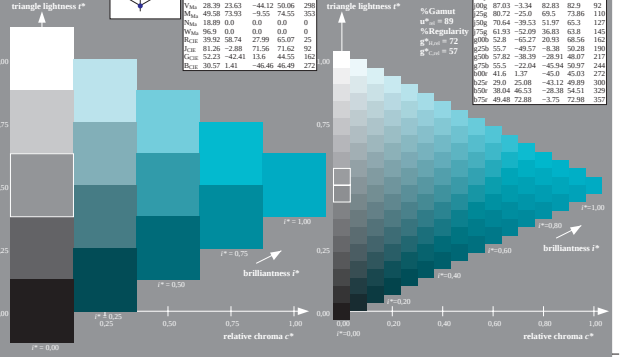
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*oh^*_{Ma}$: 0.0 1.0 0.74

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 244/360 = 0.679$ $u^* = g75b$

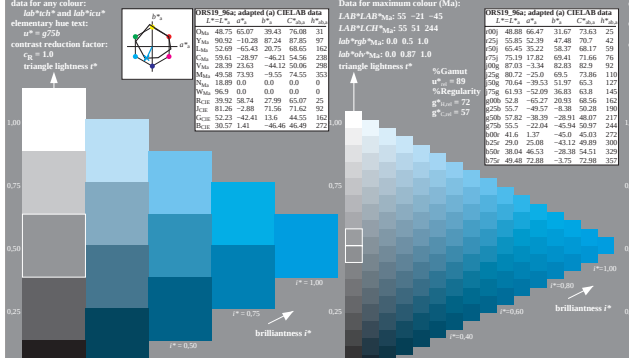
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*oh^*_{Ma}$: 0.0 0.87 1.0

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 272/360 = 0.755$ $u^* = b00r$

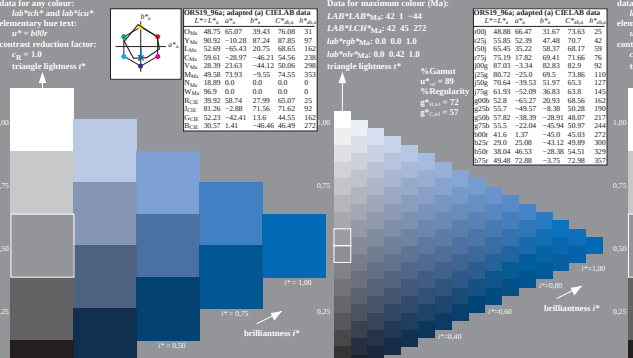
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −44
$LAB^*LCH^*_{Ma}$: 42 45 272
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*oh^*_{Ma}$: 0.0 0.42 1.0

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 300/360 = 0.834$ $u^* = b25r$

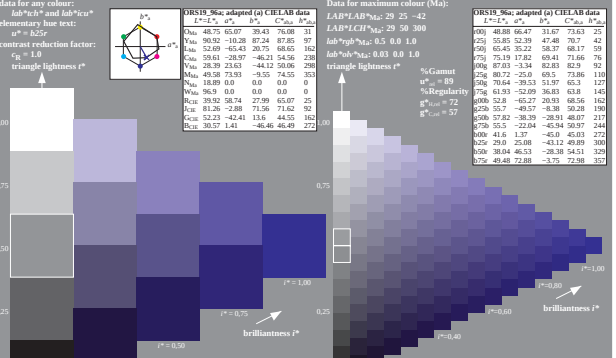
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b25r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*oh^*_{Ma}$: 0.03 0.0 1.0

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 329/360 = 0.913$ $u^* = b50r$

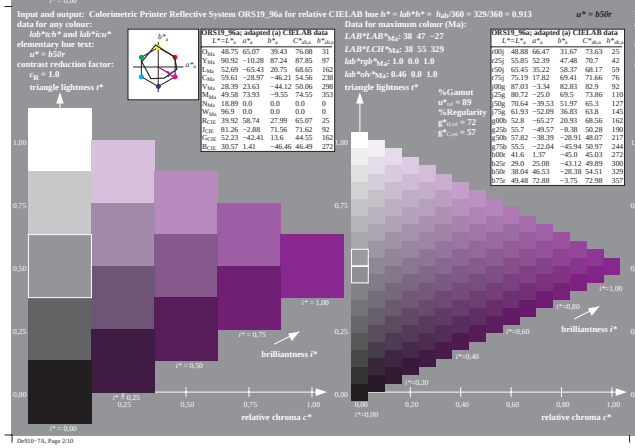
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b50r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*oh^*_{Ma}$: 0.46 0.0 1.0

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 357/360 = 0.992$ $u^* = b75r$

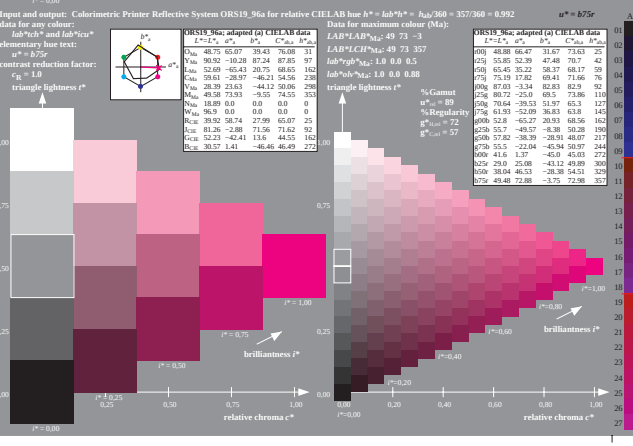
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

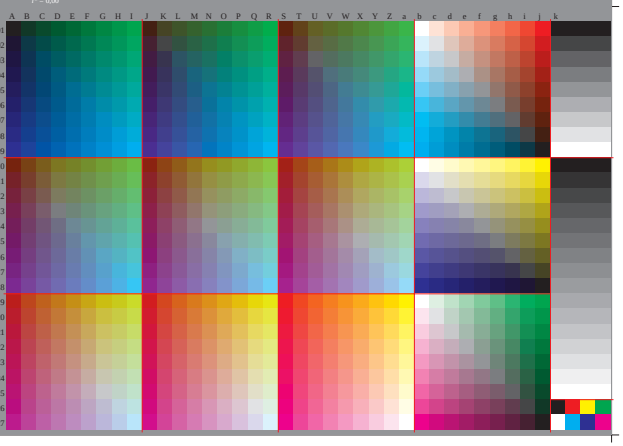
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*oh^*_{Ma}$: 1.0 0.0 0.88

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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.88	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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357





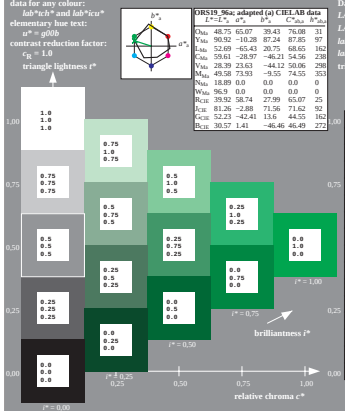
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 162/360 = 0.451$

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

elementary hue text: $u^* = g60b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*



Data for maximum colour (Ma):

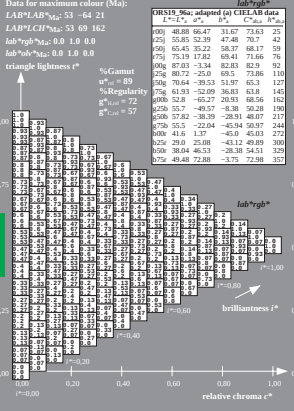
$LAB^*LAB^*_{Ma}$: 53 −64 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*



$u^* = g60b$

lab^*rgb^*

%Gamut $u^*_{Gut} = 72$

%Regularity $g^*_{Cut} = 57$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

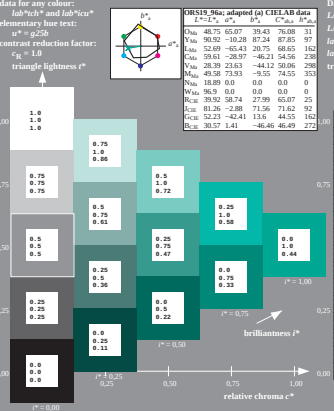
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 190/360 = 0.527$

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):

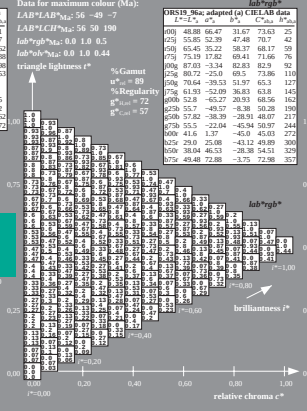
$LAB^*LAB^*_{Ma}$: 56 −49 −7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

$lab^*cb^*_{Ma}$: 0.0 1.0 0.44

triangle lightness t^*



$u^* = g25b$

lab^*rgb^*

%Gamut $u^*_{Gut} = 89$

%Regularity $g^*_{Cut} = 57$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

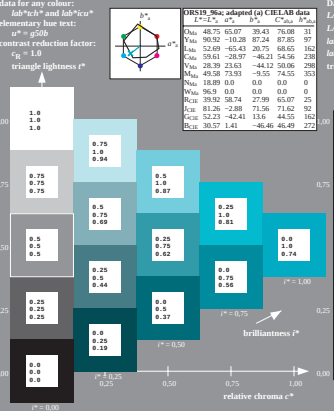
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 217/360 = 0.603$

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):

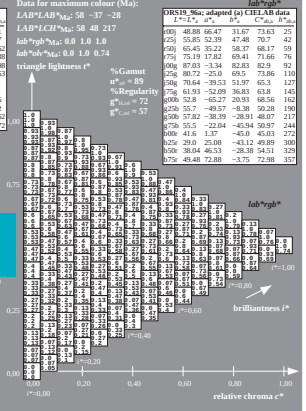
$LAB^*LAB^*_{Ma}$: 58 −37 −28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*cb^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*



$u^* = g50b$

lab^*rgb^*

%Gamut $u^*_{Gut} = 89$

%Regularity $g^*_{Cut} = 57$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

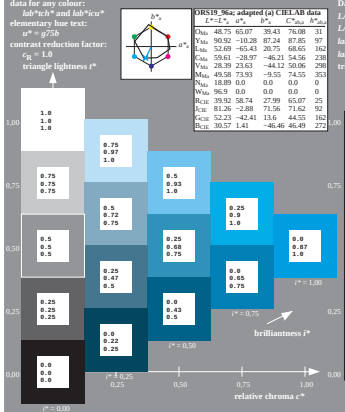
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 244/360 = 0.679$

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):

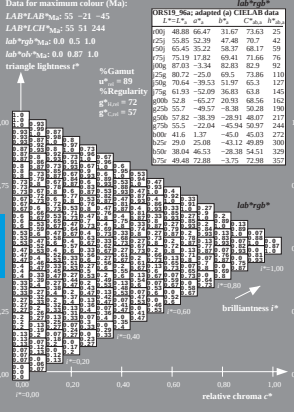
$LAB^*LAB^*_{Ma}$: 55 −21 −45

$LAB^*LCH^*_{Ma}$: 55 51 244

$lab^*rgb^*_{Ma}$: 0.0 0.87 1.0

$lab^*cb^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*



$u^* = g75b$

lab^*rgb^*

%Gamut $u^*_{Gut} = 72$

%Regularity $g^*_{Cut} = 57$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

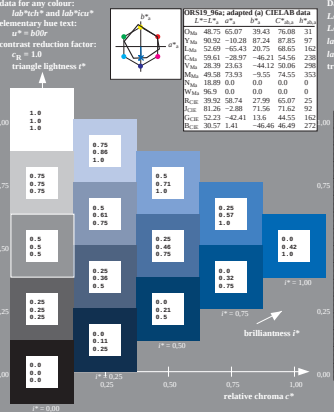
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 272/360 = 0.755$

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):

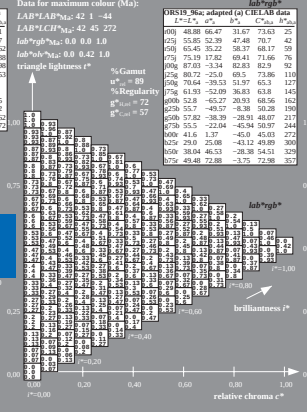
$LAB^*LAB^*_{Ma}$: 42 1 −44

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

$lab^*rgb^*_{Ma}$: 0.0 0.42 1.0

$lab^*cb^*_{Ma}$: 0.0 0.42 1.0

triangle lightness t^*



$u^* = b00r$

lab^*rgb^*

%Gamut $u^*_{Gut} = 72$

%Regularity $g^*_{Cut} = 57$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

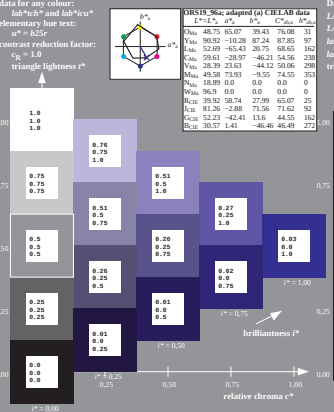
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 300/360 = 0.834$

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):

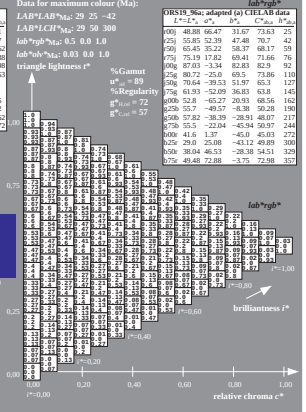
$LAB^*LAB^*_{Ma}$: 29 25 −42

$LAB^*LCH^*_{Ma}$: 29 50 300

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

$lab^*cb^*_{Ma}$: 0.01 0.0 1.0

triangle lightness t^*



$u^* = b25r$

lab^*rgb^*

%Gamut $u^*_{Gut} = 89$

%Regularity $g^*_{Cut} = 72$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

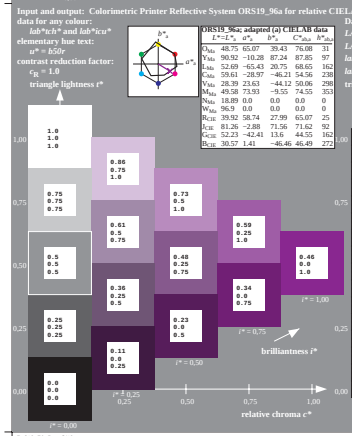
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 329/360 = 0.913$

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):

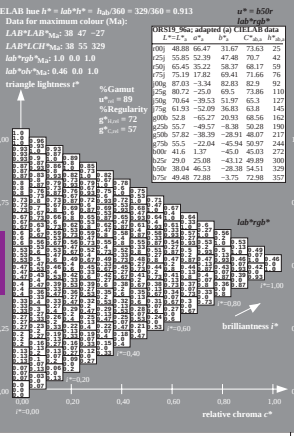
$LAB^*LAB^*_{Ma}$: 38 47 −27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

$lab^*cb^*_{Ma}$: 0.46 0.0 1.0

triangle lightness t^*



$u^* = b50r$

lab^*rgb^*

%Gamut $u^*_{Gut} = 89$

%Regularity $g^*_{Cut} = 72$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

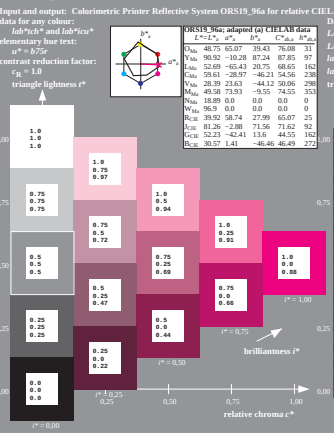
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 357/360 = 0.992$

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):

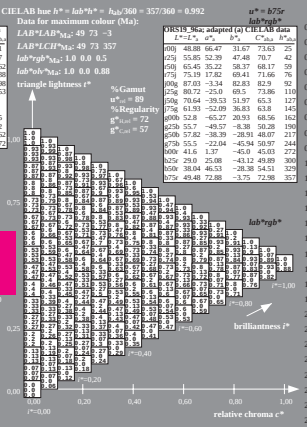
$LAB^*LAB^*_{Ma}$: 49 73 −3

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

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

$lab^*cb^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*



$u^* = b75r$

lab^*rgb^*

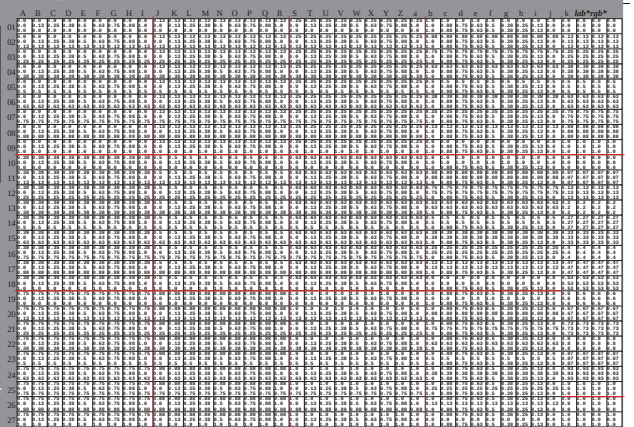
%Gamut $u^*_{Gut} = 89$

%Regularity $g^*_{Cut} = 57$

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
g00	87.03	−3.34	82.83	82.9	92
g25	80.72	−25.0	69.5	73.86	110
g50	70.64	−39.53	51.97	65.3	127
g75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

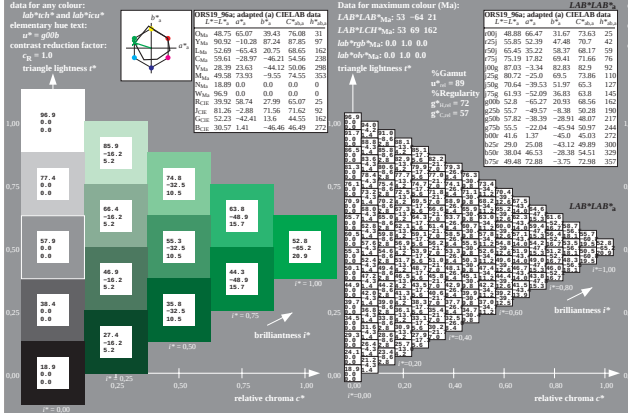


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 162/360 = 0.451$ — $u^* = g50b$

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):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*cb^*_{Ma}$: 0.0 1.0 0.0
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$

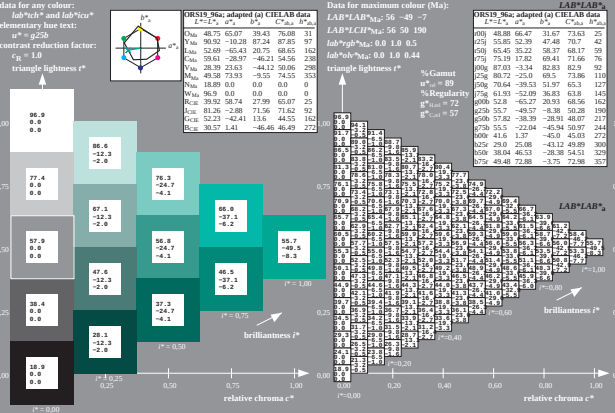


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 190/360 = 0.527$ — $u^* = g25b$

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):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*cb^*_{Ma}$: 0.0 1.0 0.44
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$

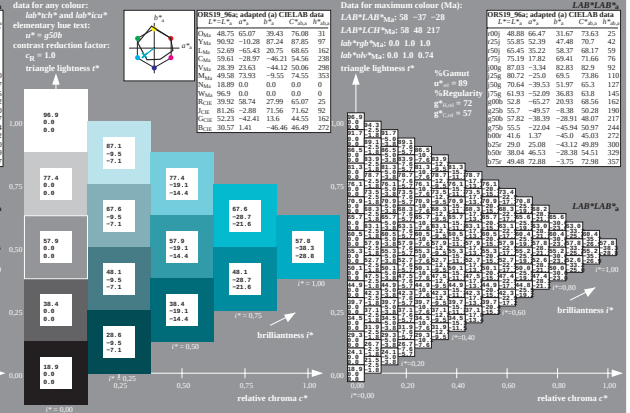


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 217/360 = 0.603$ — $u^* = g50b$

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):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*cb^*_{Ma}$: 0.0 1.0 0.74
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$

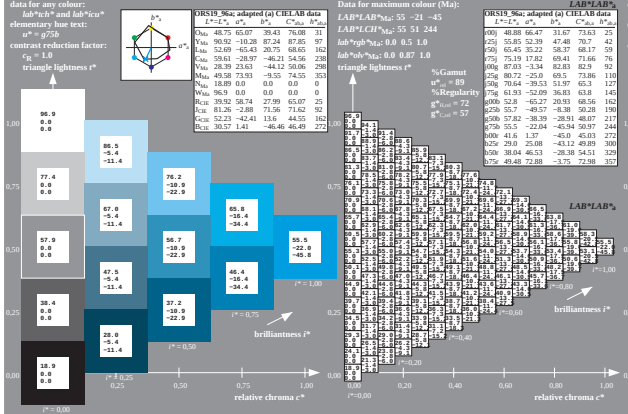


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 244/360 = 0.679$ — $u^* = g75b$

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):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.87 1.0
$lab^*cb^*_{Ma}$: 0.0 0.87 1.0
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$

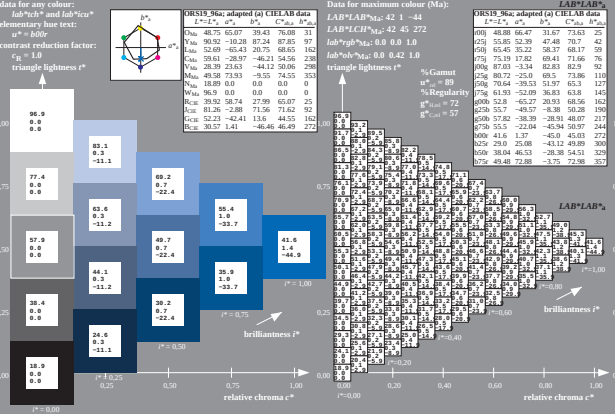


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 272/360 = 0.755$ — $u^* = b00r$

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
$lab^*cb^*_{Ma}$: 0.0 0.42 1.0
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$

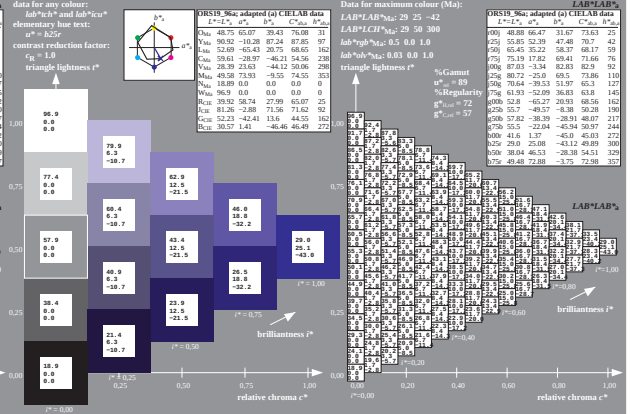


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 300/360 = 0.834$ — $u^* = b25r$

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 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*cb^*_{Ma}$: 0.01 0.0 1.0
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$

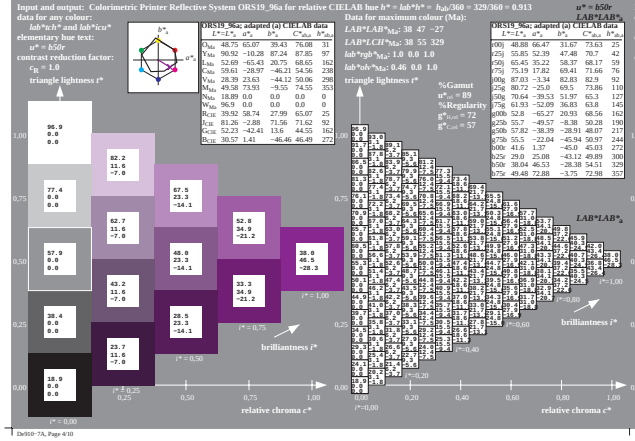


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 329/360 = 0.913$ — $u^* = b50r$

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):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*cb^*_{Ma}$: 0.46 0.0 1.0
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$

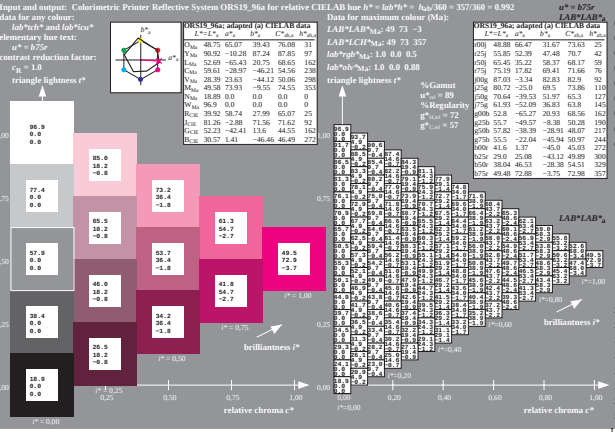


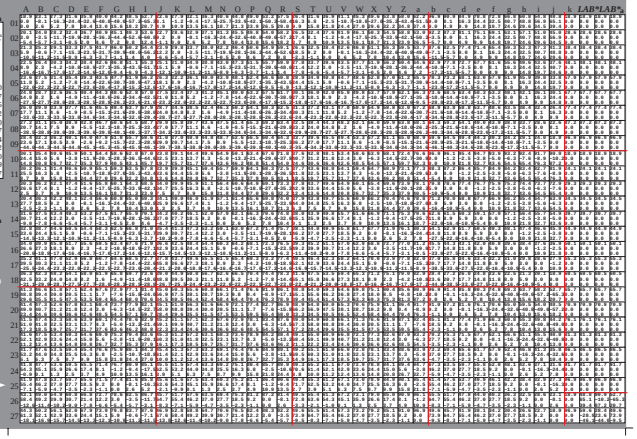
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 357/360 = 0.992$ — $u^* = b75r$

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):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*cb^*_{Ma}$: 1.0 0.0 0.88
triangle lightness t^*

%Gamut $u^*_{Gut} = 89$
%Regularity $g^*_{Reg} = 72$
$g^*_{Cut} = 57$





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 162/360 = 0.451$ — $u^* = g50b$

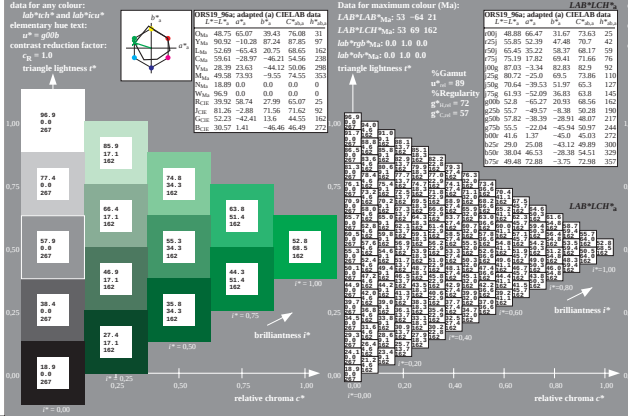
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*ob^*_{Ma}$: 0.0 1.0 0.0

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 190/360 = 0.527$ — $u^* = g25b$

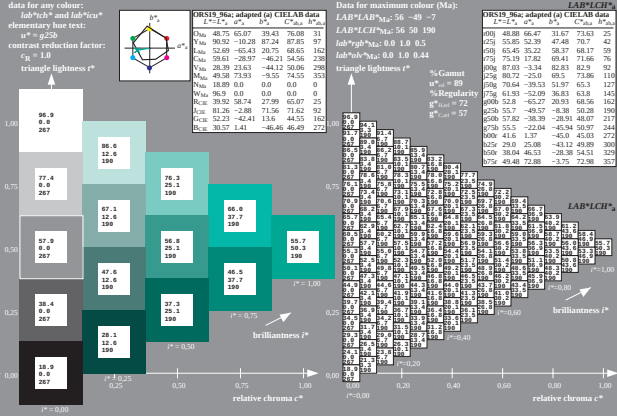
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*ob^*_{Ma}$: 0.0 1.0 0.44

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 217/360 = 0.603$ — $u^* = g50b$

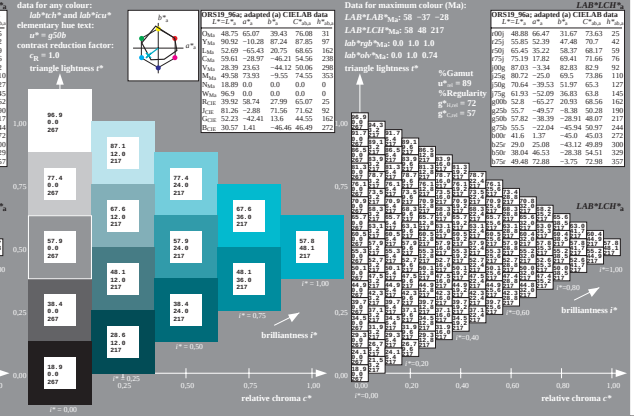
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*ob^*_{Ma}$: 0.0 1.0 0.74

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 244/360 = 0.679$ — $u^* = g75b$

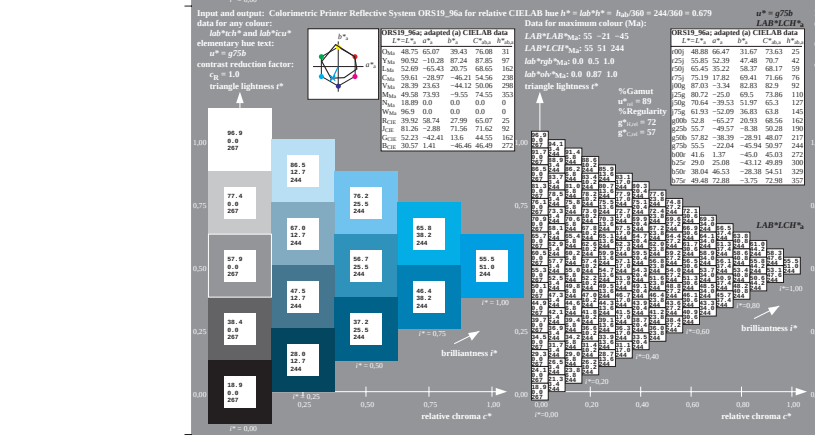
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.87 1.0
$lab^*ob^*_{Ma}$: 0.0 0.87 1.0

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 272/360 = 0.755$ — $u^* = b00r$

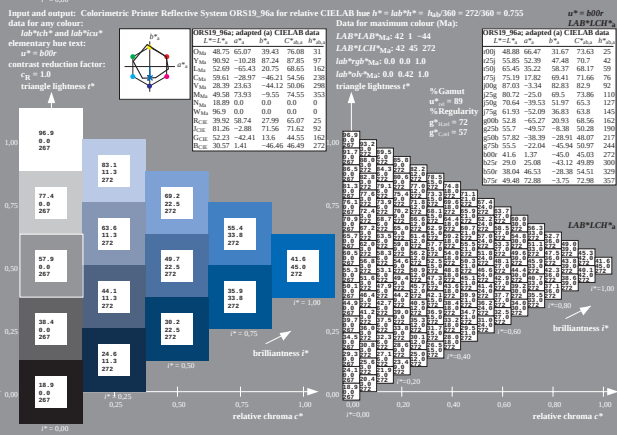
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −44
$LAB^*LCH^*_{Ma}$: 42 45 272
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*ob^*_{Ma}$: 0.0 0.42 1.0

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 300/360 = 0.834$ — $u^* = b25r$

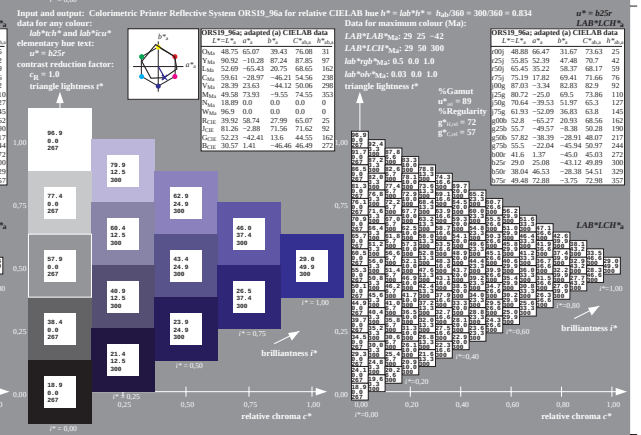
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b25r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*ob^*_{Ma}$: 0.0 0.0 1.0

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 329/360 = 0.913$ — $u^* = b50r$

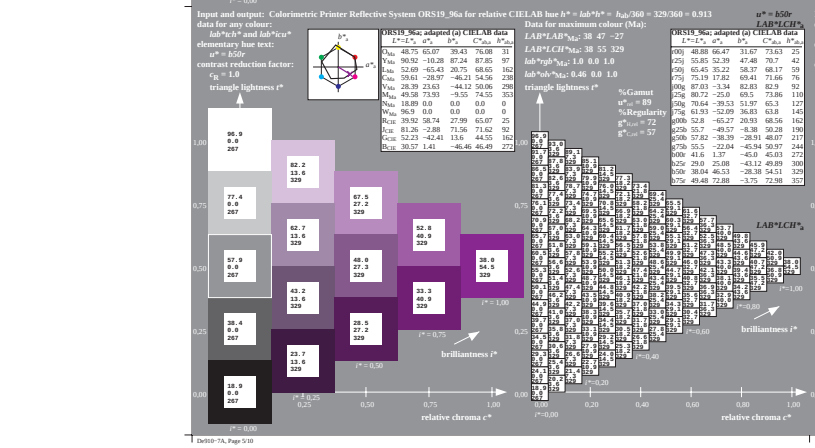
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b50r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*ob^*_{Ma}$: 0.46 0.0 1.0

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 357/360 = 0.992$ — $u^* = b75r$

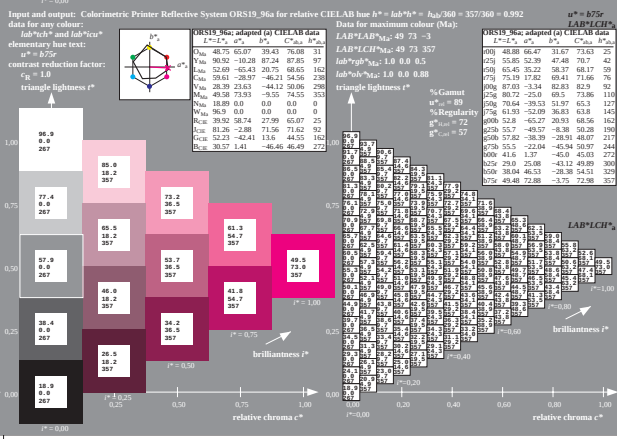
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

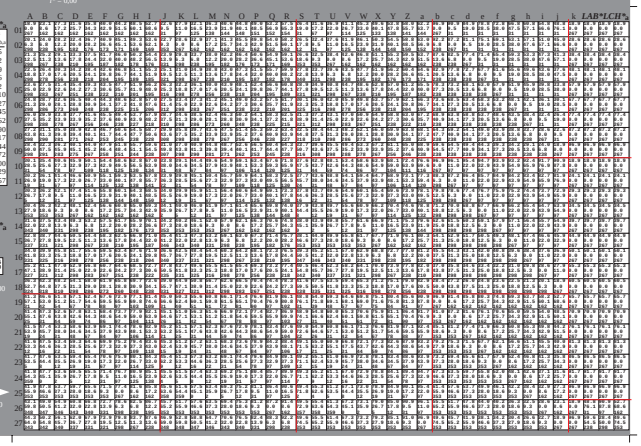
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*ob^*_{Ma}$: 1.0 0.0 0.88

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
y00	87.03	−3.34	82.83	82.9	92
y25	80.72	−25.0	69.5	73.86	110
y50	70.64	−39.53	51.97	65.3	127
y75	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 162/360 = 0.451$

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

elementary hue text: $u^* = g50b$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 −64 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

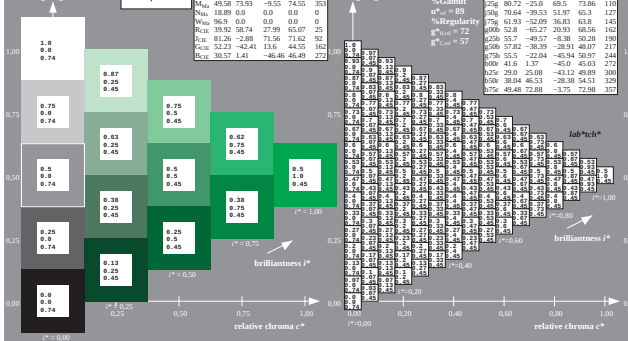
%Gamut $u^*_{a,c}$ = 89

%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 190/360 = 0.527$

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

elementary hue text: $u^* = g25b$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 −49 −7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

$lab^*cb^*_{Ma}$: 0.0 1.0 0.44

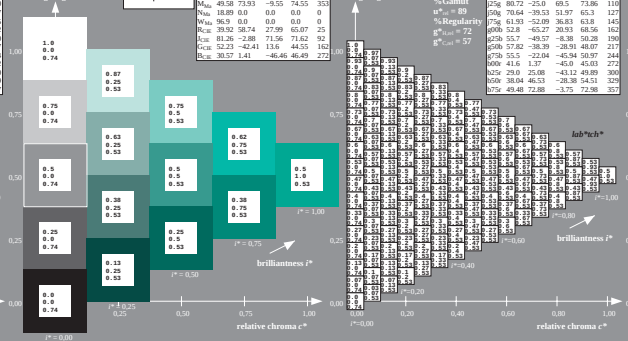
%Gamut $u^*_{a,c}$ = 89

%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 217/360 = 0.603$

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

elementary hue text: $u^* = g50b$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 −37 −28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*cb^*_{Ma}$: 0.0 1.0 0.74

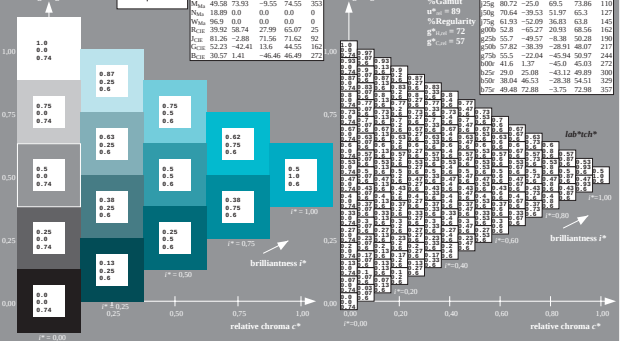
%Gamut $u^*_{a,c}$ = 89

%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 244/360 = 0.679$

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

elementary hue text: $u^* = g75b$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 −21 −45

$LAB^*LCH^*_{Ma}$: 55 51 244

$lab^*rgb^*_{Ma}$: 0.0 0.7 1.0

$lab^*cb^*_{Ma}$: 0.0 0.87 1.0

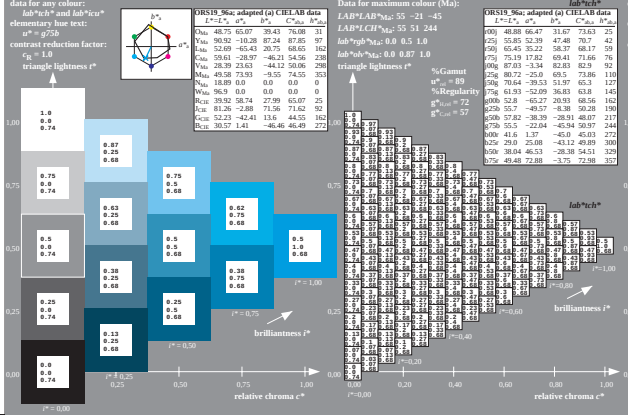
%Gamut $u^*_{a,c}$ = 89

%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 272/360 = 0.755$

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

elementary hue text: $u^* = b00r$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

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

$lab^*cb^*_{Ma}$: 0.0 0.42 1.0

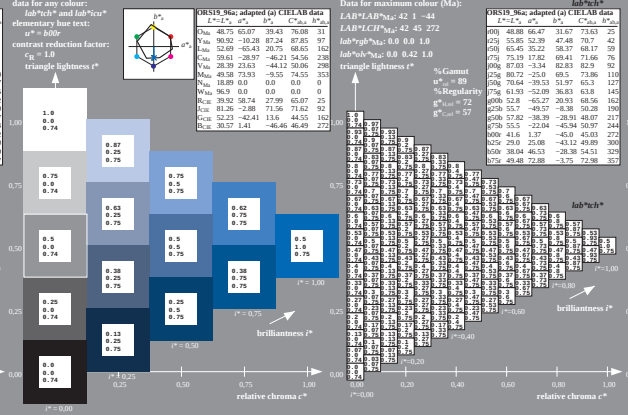
%Gamut $u^*_{a,c}$ = 89

%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 300/360 = 0.834$

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

elementary hue text: $u^* = b25r$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 −42

$LAB^*LCH^*_{Ma}$: 29 50 300

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

$lab^*cb^*_{Ma}$: 0.83 0.0 1.0

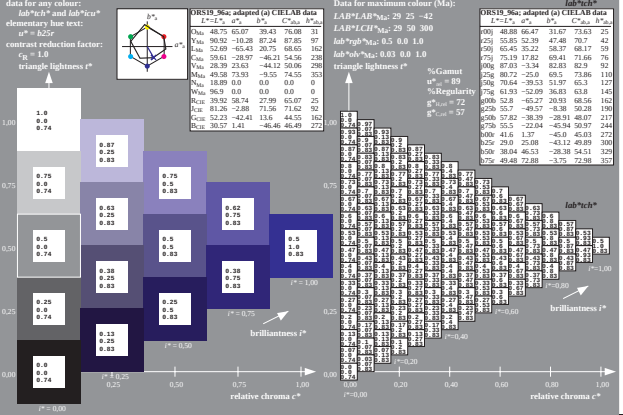
%Gamut $u^*_{a,c}$ = 89

%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 329/360 = 0.913$

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

elementary hue text: $u^* = b50r$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 −27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

$lab^*cb^*_{Ma}$: 0.46 0.0 1.0

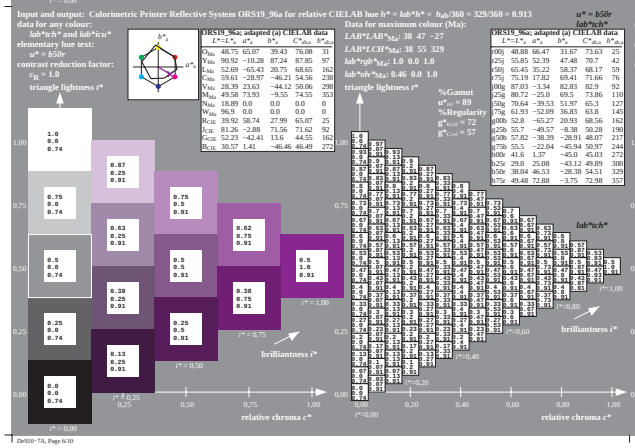
%Gamut $u^*_{a,c}$ = 89

%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 357/360 = 0.992$

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

elementary hue text: $u^* = b75r$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 −3

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

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

$lab^*cb^*_{Ma}$: 1.0 0.0 0.88

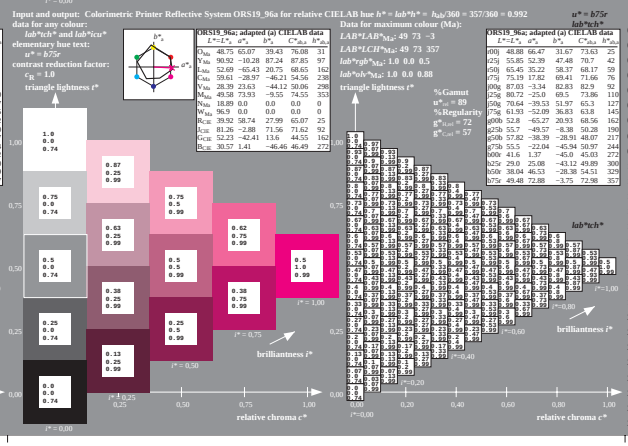
%Gamut $u^*_{a,c}$ = 89

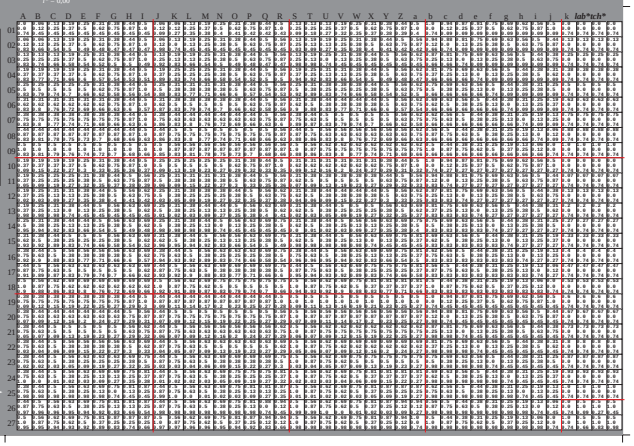
%Regularity $g^*_{h,c1}$ = 72

$g^*_{c,c1}$ = 57

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	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





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 162/360 = 0.451$ $u^* = g00b$ lab^*icu^*

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 −64 21

$LAB^*LCH^*_{Ma}$: 53 69 162

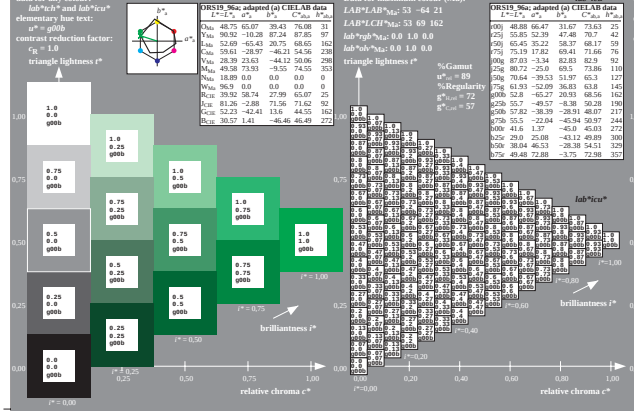
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

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

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 190/360 = 0.527$ $u^* = g25b$ lab^*icu^*

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):

$LAB^*LAB^*_{Ma}$: 56 −49 −7

$LAB^*LCH^*_{Ma}$: 56 50 190

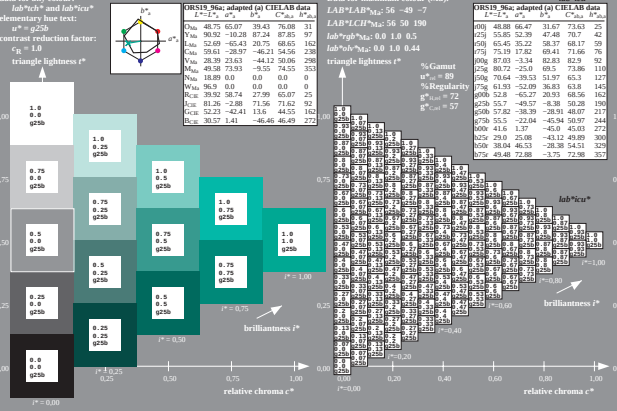
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5

$lab^*cbv^*_{Ma}$: 0.0 1.0 0.44

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 217/360 = 0.603$ $u^* = g50b$ lab^*icu^*

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):

$LAB^*LAB^*_{Ma}$: 58 −37 −28

$LAB^*LCH^*_{Ma}$: 58 48 217

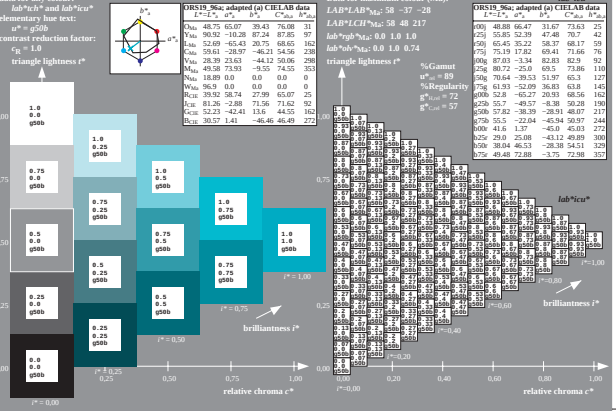
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0

$lab^*cbv^*_{Ma}$: 0.0 1.0 0.74

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 244/360 = 0.679$ $u^* = g75b$ lab^*icu^*

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):

$LAB^*LAB^*_{Ma}$: 55 −21 −45

$LAB^*LCH^*_{Ma}$: 55 51 244

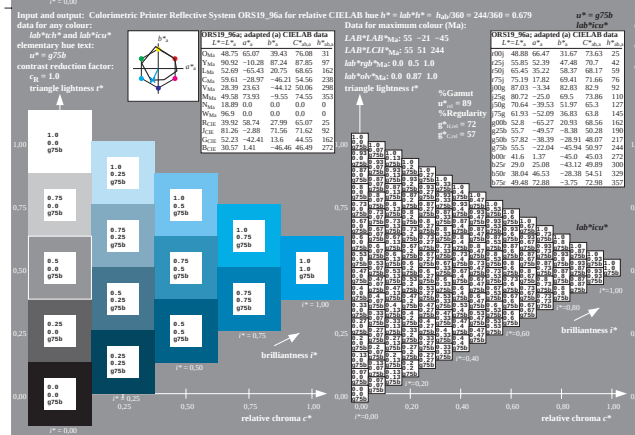
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0

$lab^*cbv^*_{Ma}$: 0.0 0.87 1.0

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 272/360 = 0.755$ $u^* = b00r$ lab^*icu^*

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

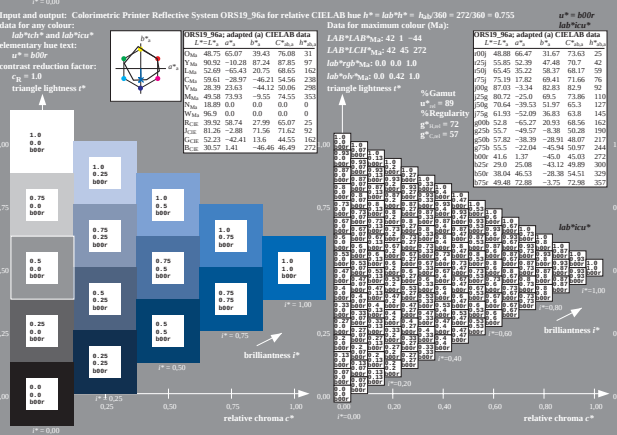
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0

$lab^*cbv^*_{Ma}$: 0.0 0.42 1.0

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 300/360 = 0.834$ $u^* = b25r$ lab^*icu^*

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 25 −42

$LAB^*LCH^*_{Ma}$: 29 50 300

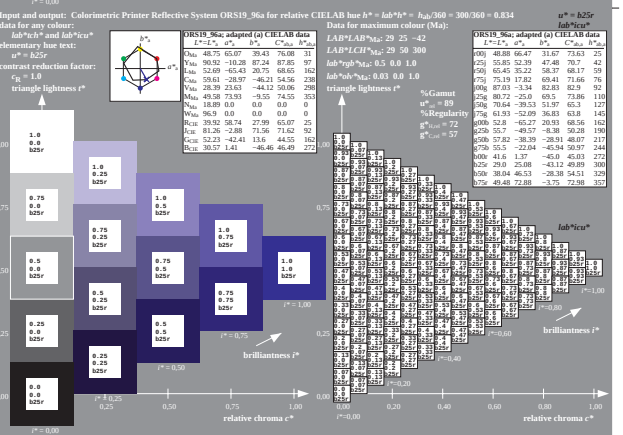
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*cbv^*_{Ma}$: 0.03 0.0 1.0

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 329/360 = 0.913$ $u^* = b50r$ lab^*icu^*

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):

$LAB^*LAB^*_{Ma}$: 38 47 −27

$LAB^*LCH^*_{Ma}$: 38 55 329

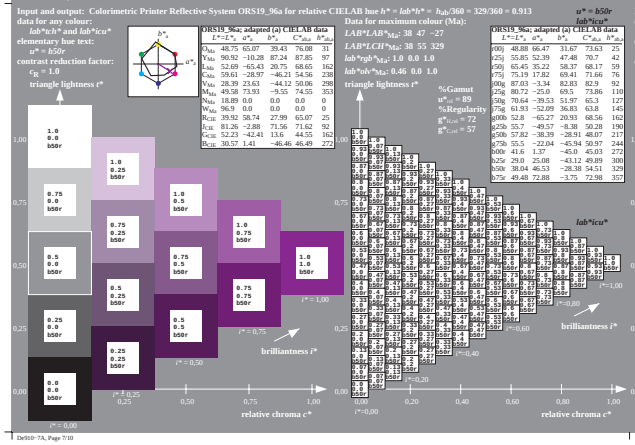
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0

$lab^*cbv^*_{Ma}$: 0.46 0.0 1.0

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{lab}/360 = 357/360 = 0.992$ $u^* = b75r$ lab^*icu^*

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):

$LAB^*LAB^*_{Ma}$: 49 73 −3

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

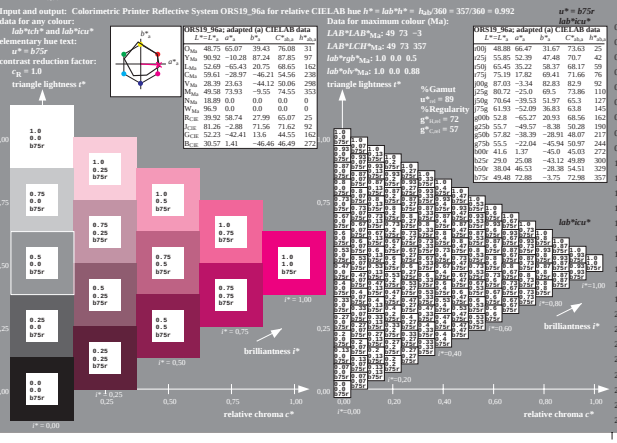
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

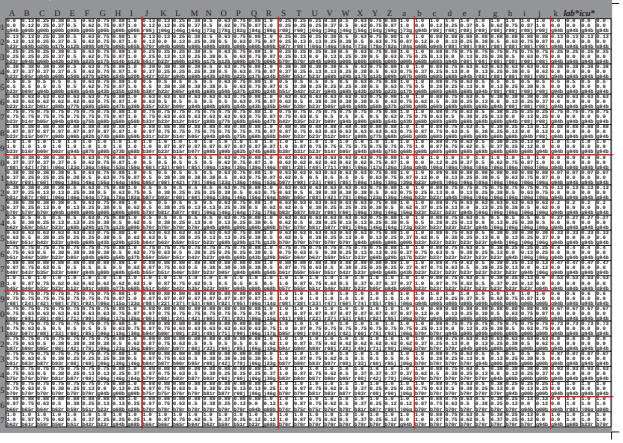
$lab^*cbv^*_{Ma}$: 1.0 0.0 0.88

%Gamut $u^*_{Gmt} = 89$

%Regularity $g^*_{Rel} = 72$

$g^*_{Cmt} = 57$



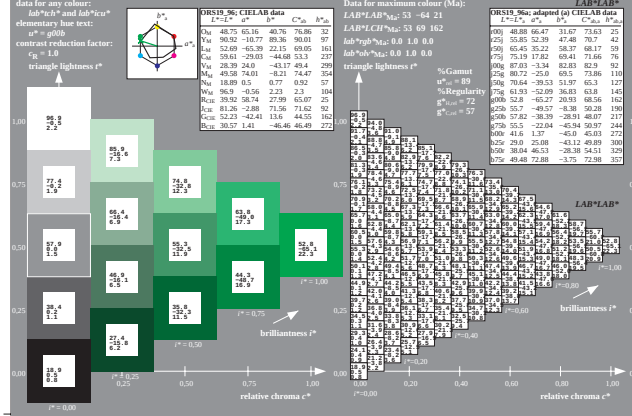


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 162/360 = 0.451$

data for any colour: *lab*tch* and lab*icu**
elementary hue text: $u^* = g60b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*oh^*_{Ma}$: 0.0 1.0 0.0

$u^* = g60b$
LAB^*LAB^*

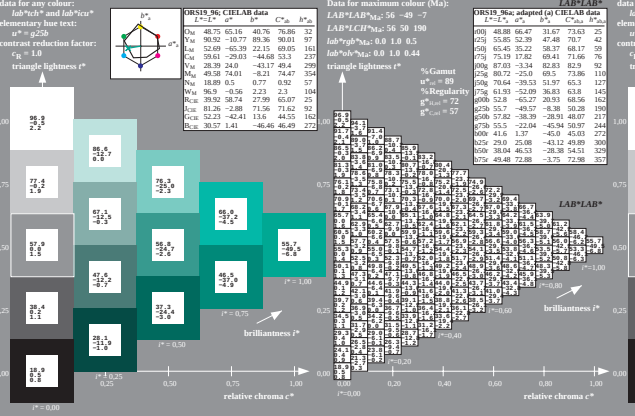


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 190/360 = 0.527$

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):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*oh^*_{Ma}$: 0.0 1.0 0.44

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

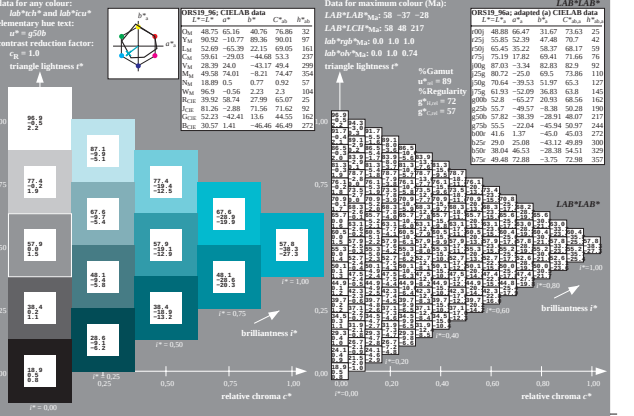


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 217/360 = 0.603$

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):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*oh^*_{Ma}$: 0.0 1.0 0.74

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

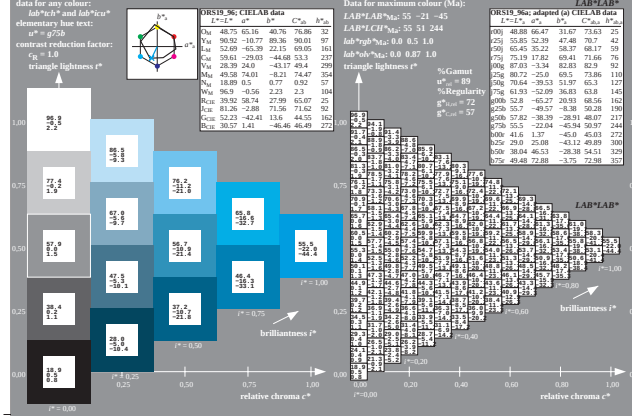


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 244/360 = 0.679$

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):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.7 1.0
$lab^*oh^*_{Ma}$: 0.0 0.87 1.0

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

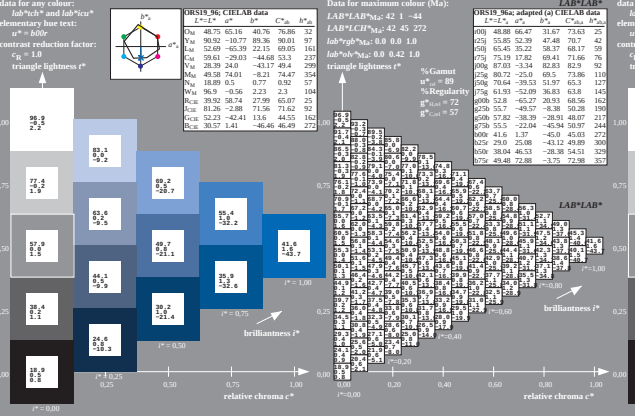


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 272/360 = 0.755$

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
$lab^*oh^*_{Ma}$: 0.0 0.42 1.0

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

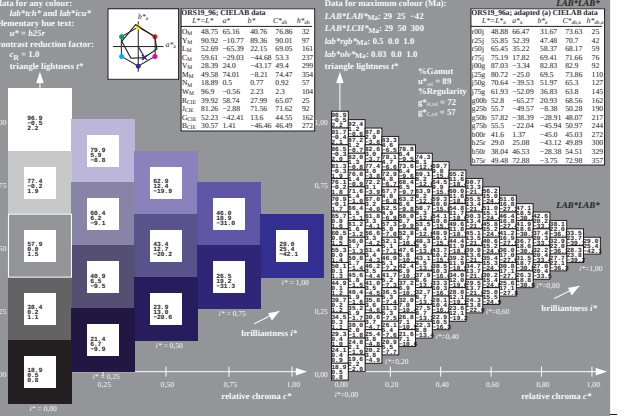


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 300/360 = 0.834$

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 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*oh^*_{Ma}$: 0.03 0.0 1.0

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

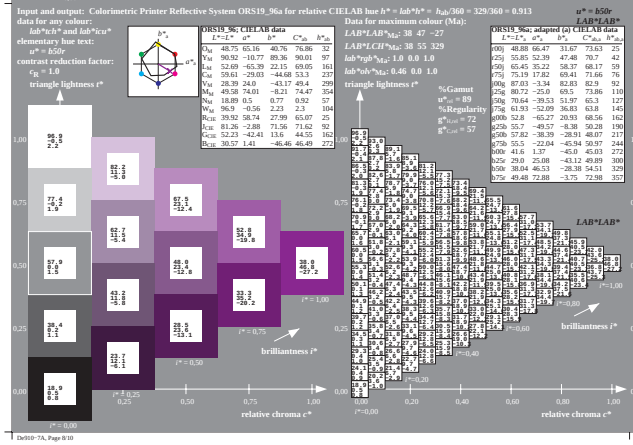


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 329/360 = 0.913$

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):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 0.46 0.0 1.0

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

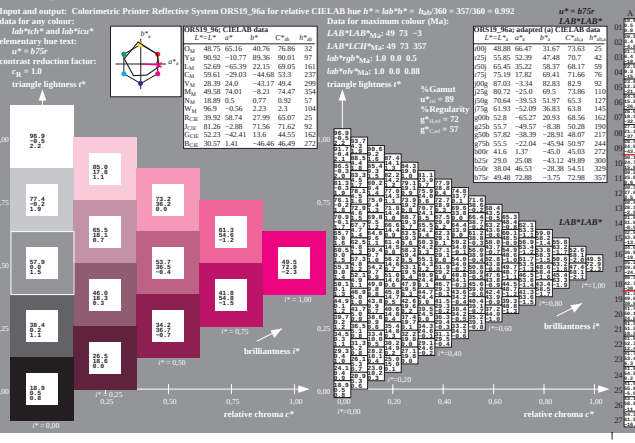


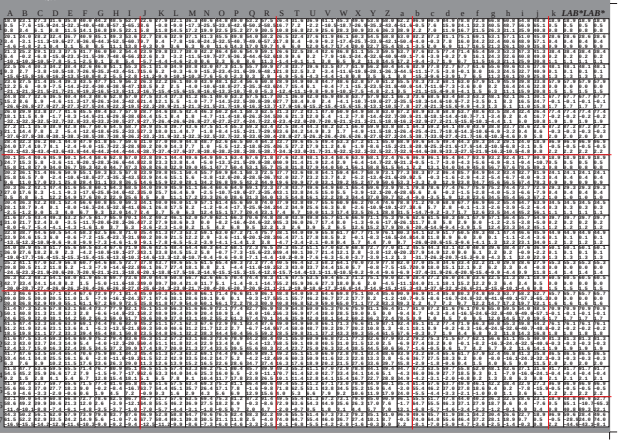
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 357/360 = 0.992$

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):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*oh^*_{Ma}$: 1.0 0.0 0.88

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



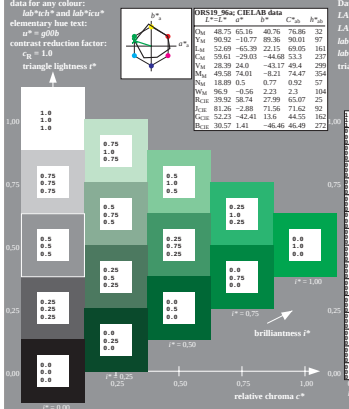


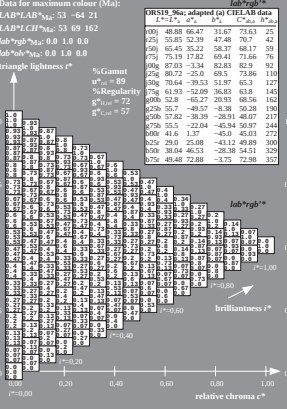
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 162/360 = 0.451$

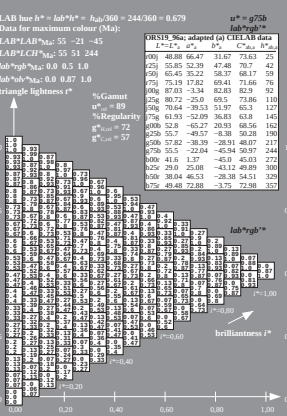
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*cb^*_{Ma}$: 0.0 1.0 0.0

$u^* = g50b$
$lab^*rgb'^*$





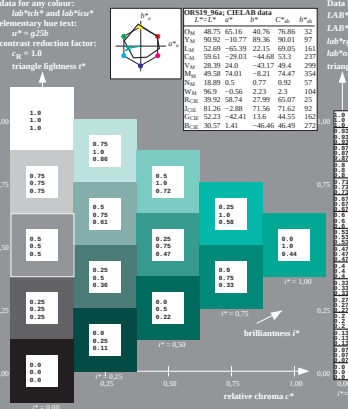


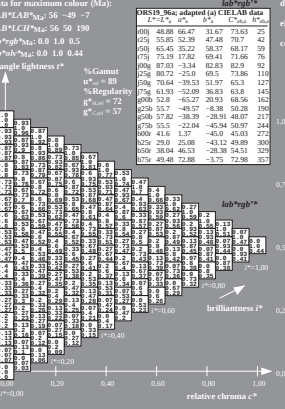
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 190/360 = 0.527$

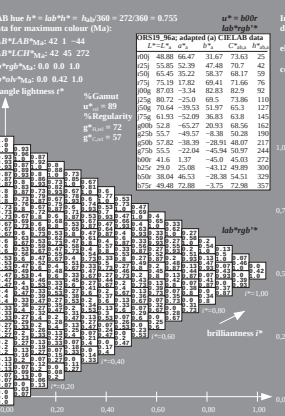
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*cb^*_{Ma}$: 0.0 1.0 0.44

$u^* = g25b$
$lab^*rgb'^*$





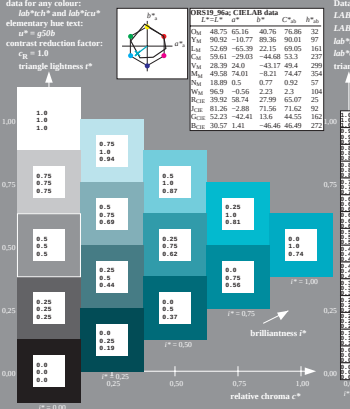


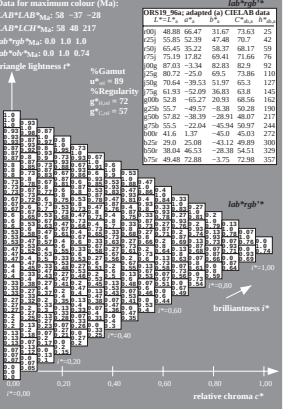
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 217/360 = 0.603$

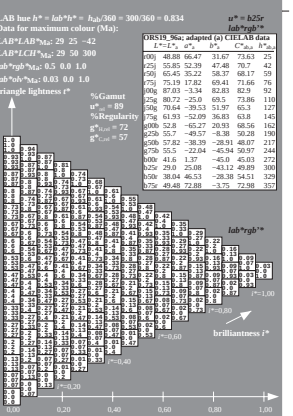
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*cb^*_{Ma}$: 0.0 1.0 0.74

$u^* = g50b$
$lab^*rgb'^*$





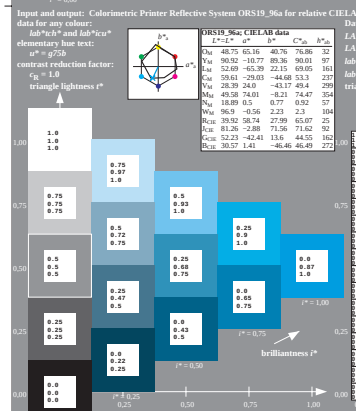


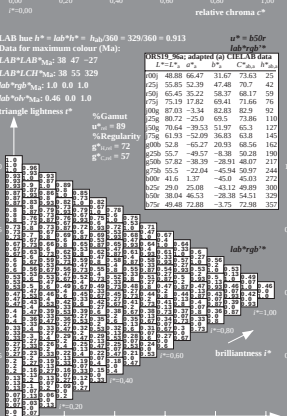
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 244/360 = 0.679$

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):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.87 1.0
$lab^*cb^*_{Ma}$: 0.0 0.87 1.0

$u^* = g75b$
$lab^*rgb'^*$



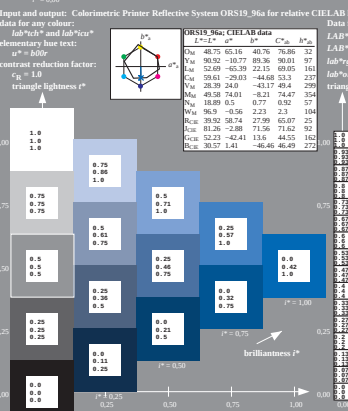


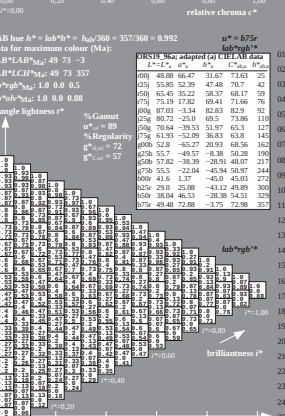
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 272/360 = 0.755$

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
$lab^*cb^*_{Ma}$: 0.0 0.42 1.0

$u^* = b00r$
$lab^*rgb'^*$



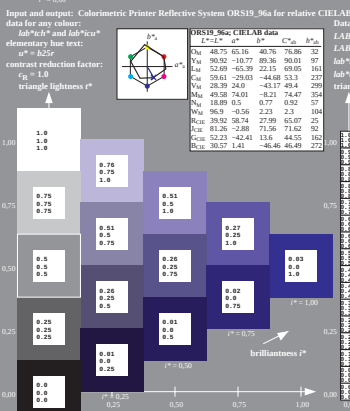


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 300/360 = 0.834$

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 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*cb^*_{Ma}$: 0.03 0.0 1.0

$u^* = b25r$
$lab^*rgb'^*$

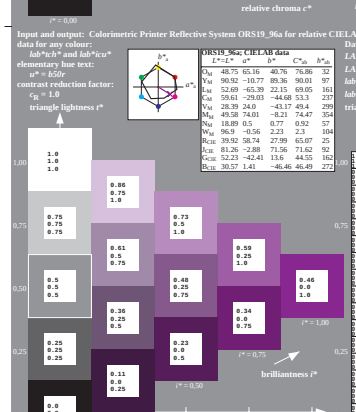


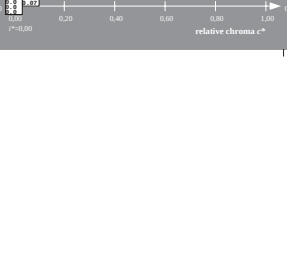
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 329/360 = 0.913$

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):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*cb^*_{Ma}$: 0.46 0.0 1.0

$u^* = b50r$
$lab^*rgb'^*$



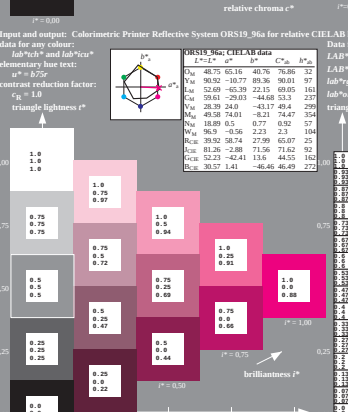


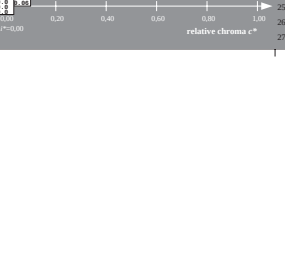
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*b^* = h_{lab}/360 = 357/360 = 0.992$

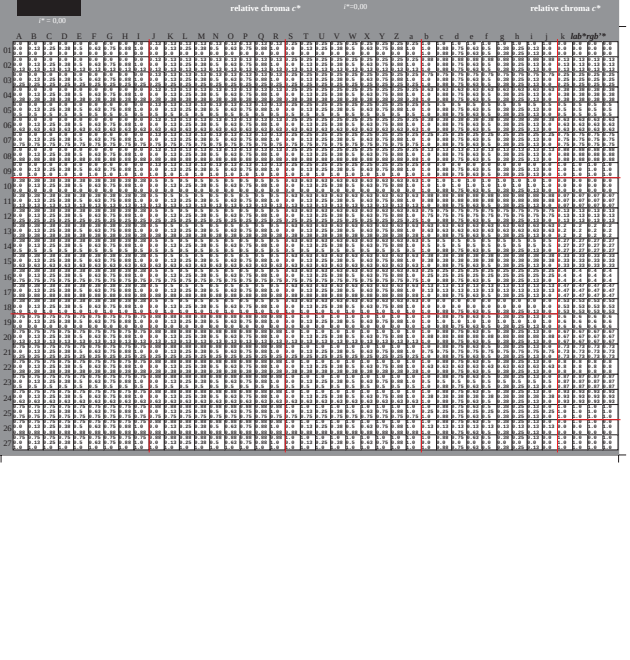
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*cb^*_{Ma}$: 1.0 0.0 0.88

$u^* = b75r$
$lab^*rgb'^*$



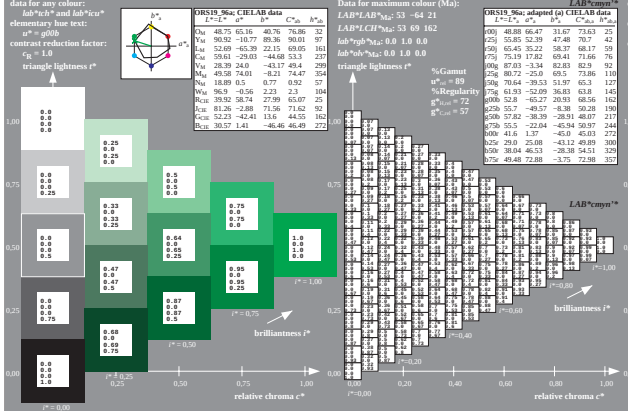




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 162/360 = 0.451$ — $u^* = g50b$

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*: 53 −64 21; *LAB*LCH*Ma*: 53 69 162; *lab*rgb*Ma*: 0.0 1.0 0.0; *lab*ob*Ma*: 0.0 1.0 0.0



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

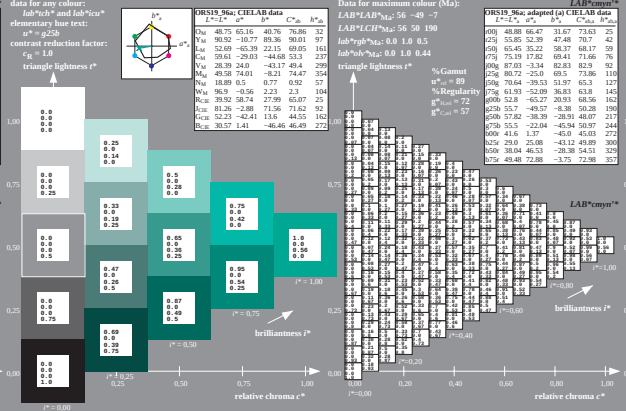
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 190/360 = 0.527$ — $u^* = g25b$

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*: 56 −49 −7; *LAB*LCH*Ma*: 56 50 190; *lab*rgb*Ma*: 0.0 1.0 0.5; *lab*ob*Ma*: 0.0 1.0 0.44



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

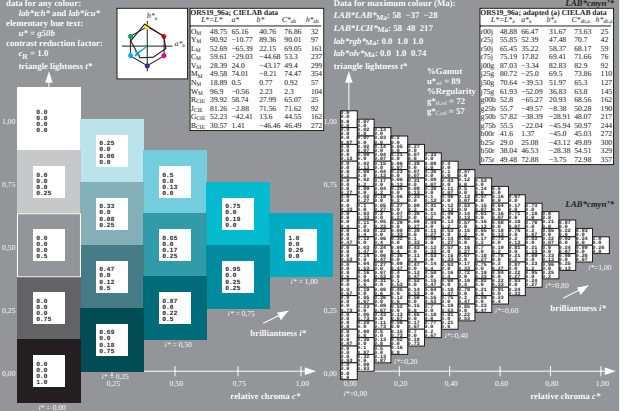
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 217/360 = 0.603$ — $u^* = g50b$

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*: 58 −37 −28; *LAB*LCH*Ma*: 58 48 217; *lab*rgb*Ma*: 0.0 1.0 1.0; *lab*ob*Ma*: 0.0 1.0 0.74



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

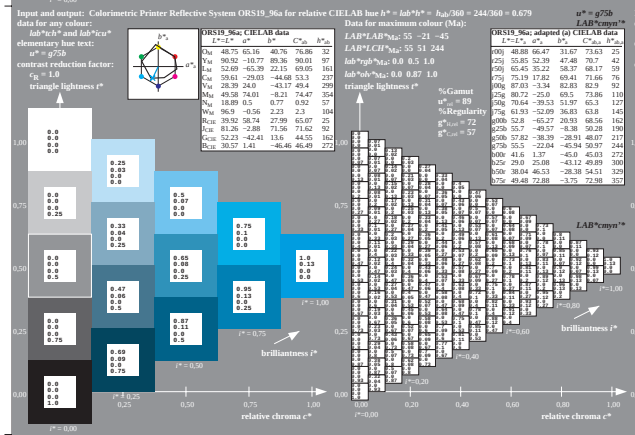
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 244/360 = 0.679$ — $u^* = g75b$

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*: 55 −21 −45; *LAB*LCH*Ma*: 55 51 244; *lab*rgb*Ma*: 0.0 0.5 1.0; *lab*ob*Ma*: 0.0 0.87 1.0



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

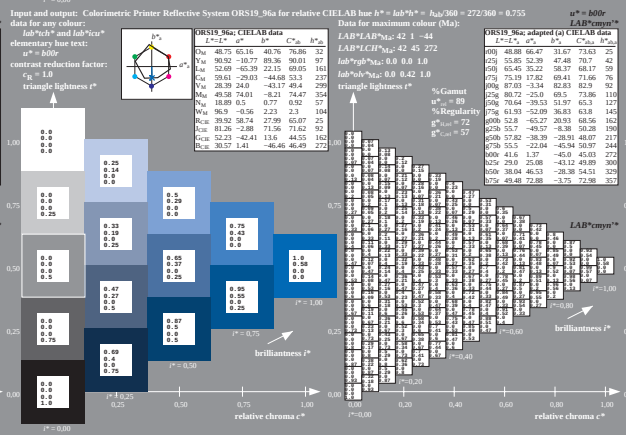
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 272/360 = 0.755$ — $u^* = b00r$

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*ob*Ma*: 0.0 0.42 1.0



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

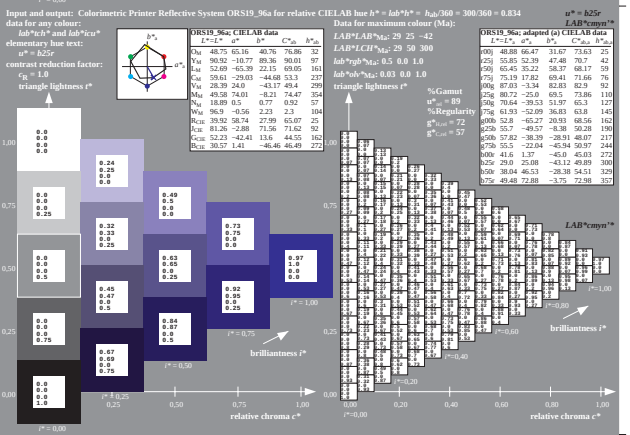
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 300/360 = 0.834$ — $u^* = b25r$

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 25 −42; *LAB*LCH*Ma*: 29 50 300; *lab*rgb*Ma*: 0.5 0.0 1.0; *lab*ob*Ma*: 0.01 0.0 1.0



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

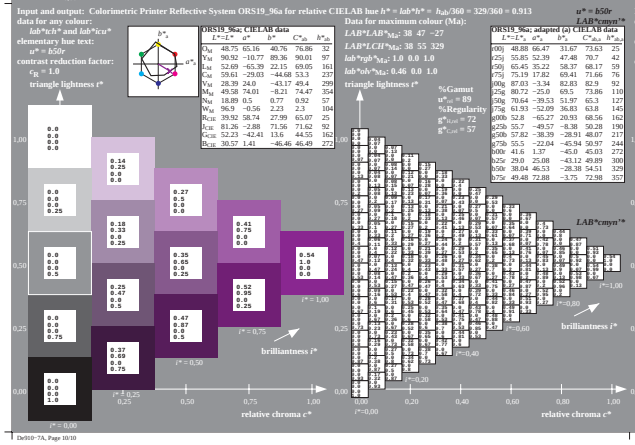
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 329/360 = 0.913$ — $u^* = b50r$

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*: 38 47 −27; *LAB*LCH*Ma*: 38 55 329; *lab*rgb*Ma*: 1.0 0.0 1.0; *lab*ob*Ma*: 0.46 0.0 1.0



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

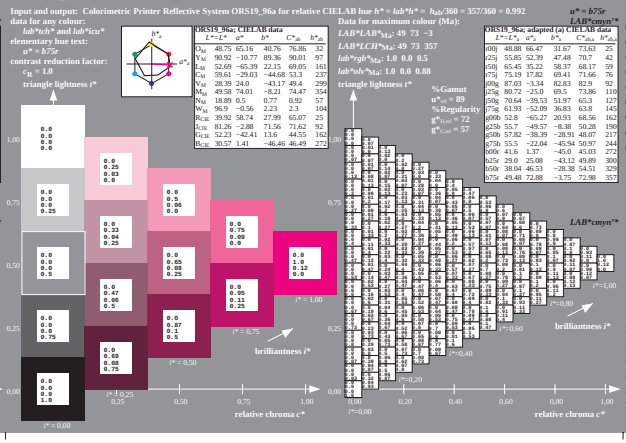
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*ch^* = h_{ab}/360 = 357/360 = 0.992$ — $u^* = b75r$

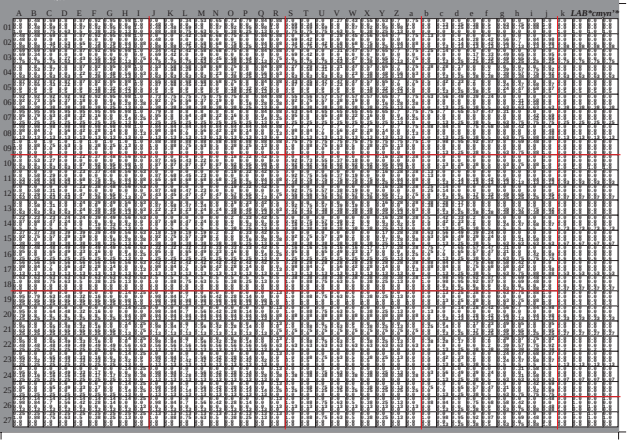
data for any colour: *lab*ch* and lab*icu**
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma): *LAB*LAB*Ma*: 49 73 −3; *LAB*LCH*Ma*: 49 73 357; *lab*rgb*Ma*: 1.0 0.0 0.5; *lab*ob*Ma*: 1.0 0.0 0.88



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00	48.88	66.47	31.67	73.63	25
r25	55.85	52.39	47.48	70.7	42
r50	65.45	35.22	58.37	68.17	59
r75	75.19	17.82	69.41	71.66	76
r00g	87.03	−3.34	82.83	82.9	92
r25g	80.72	−25.0	69.5	73.86	110
r50g	70.64	−39.53	51.97	65.3	127
r75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357