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

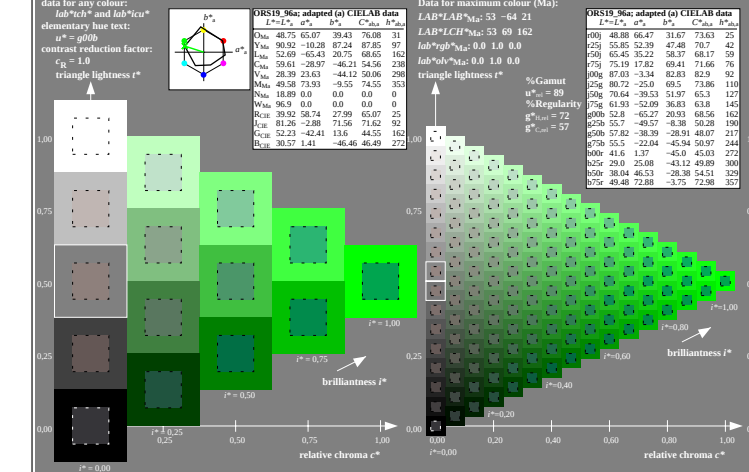
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g00b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ — $u^* = g25b$

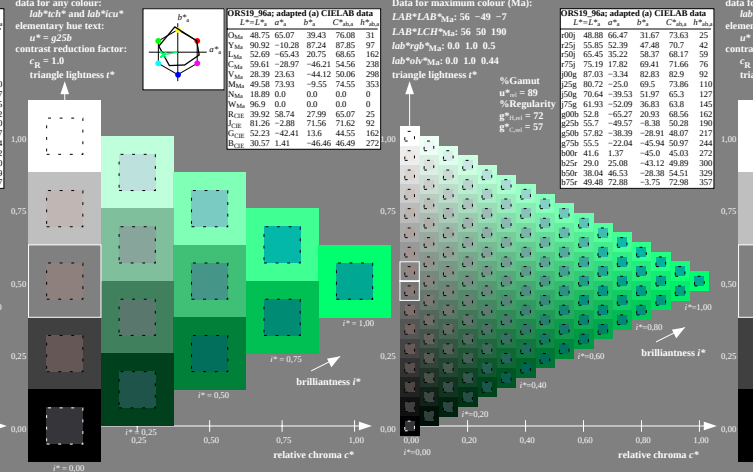
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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
$lab^*olv^*_{Ma}$: 0.0 1.0 0.44
triangle lightness t^*

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ — $u^* = g50b$

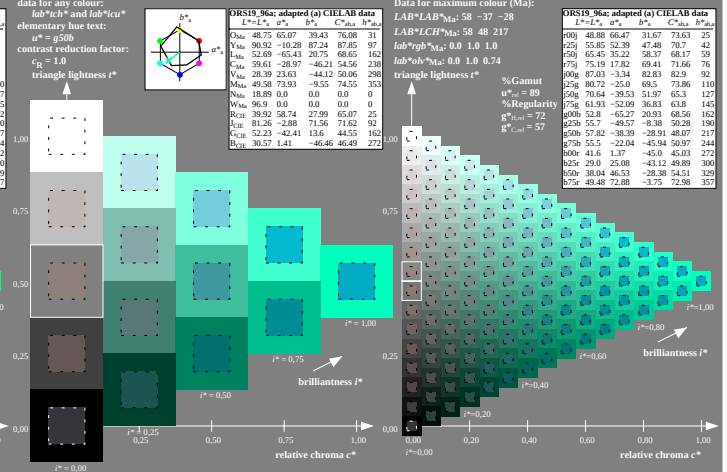
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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
$lab^*olv^*_{Ma}$: 0.0 1.0 0.74
triangle lightness t^*

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ — $u^* = g75b$

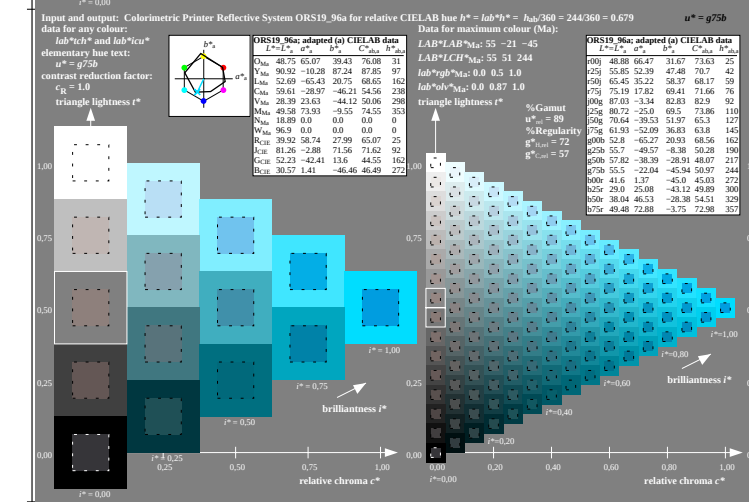
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ — $u^* = b00r$

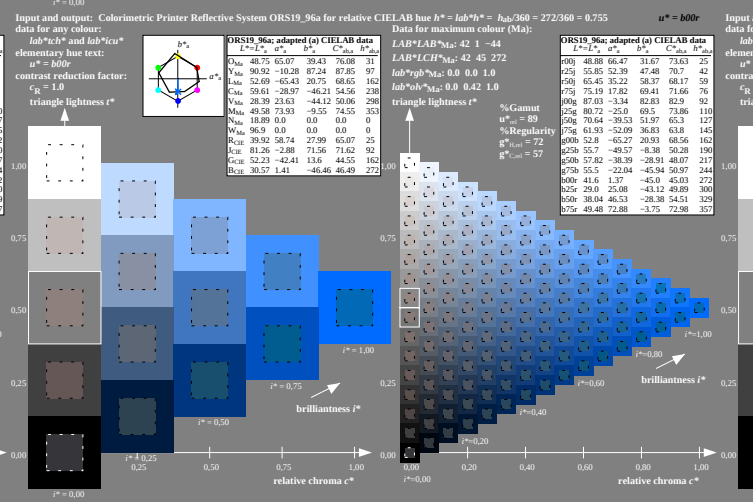
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ — $u^* = b25r$

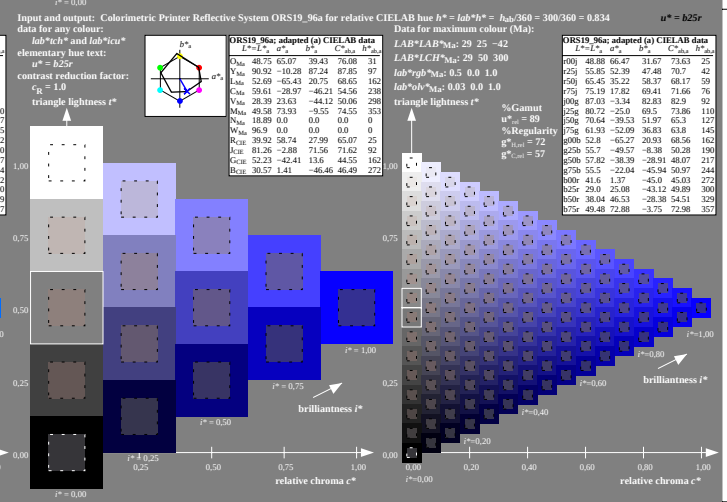
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b25r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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
$lab^*olv^*_{Ma}$: 0.03 0.0 1.0
triangle lightness t^*

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ — $u^* = b50r$

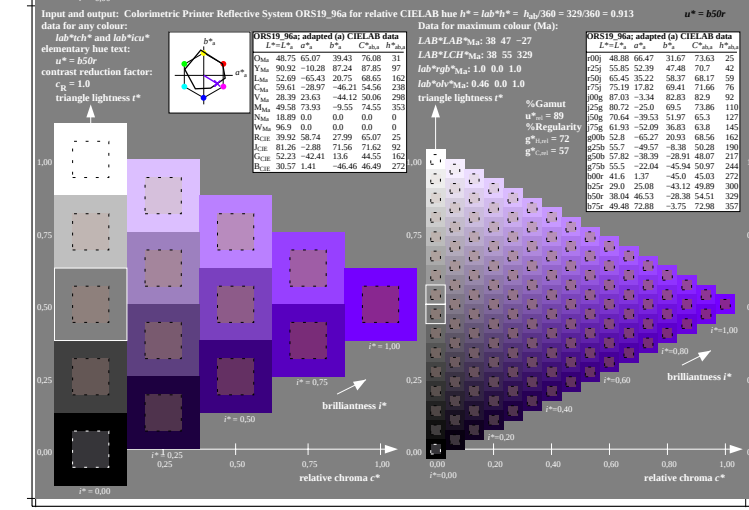
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b50r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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
$lab^*olv^*_{Ma}$: 0.46 0.0 1.0
triangle lightness t^*

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ — $u^* = b75r$

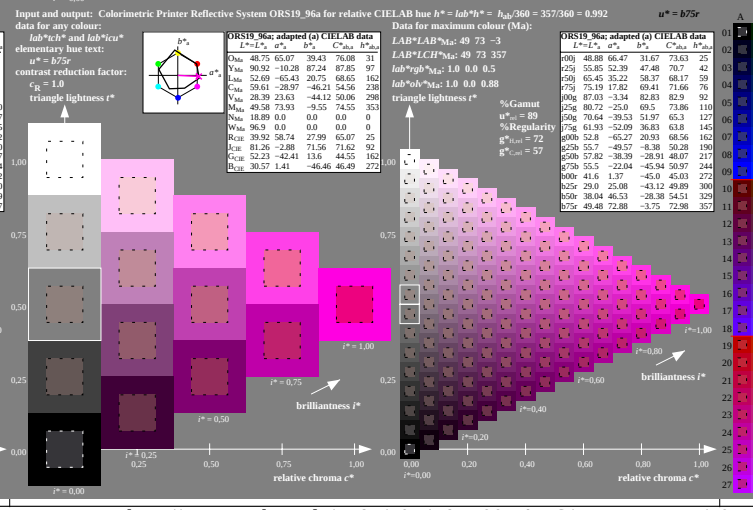
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

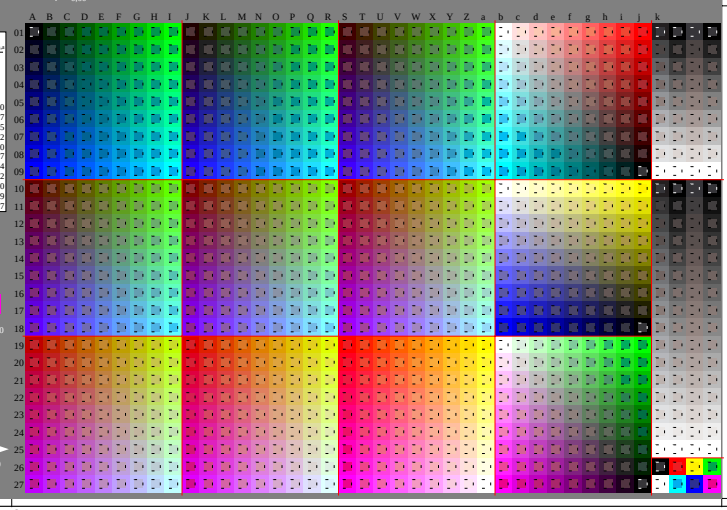
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.88
triangle lightness t^*

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ — $u^* = g00b$

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

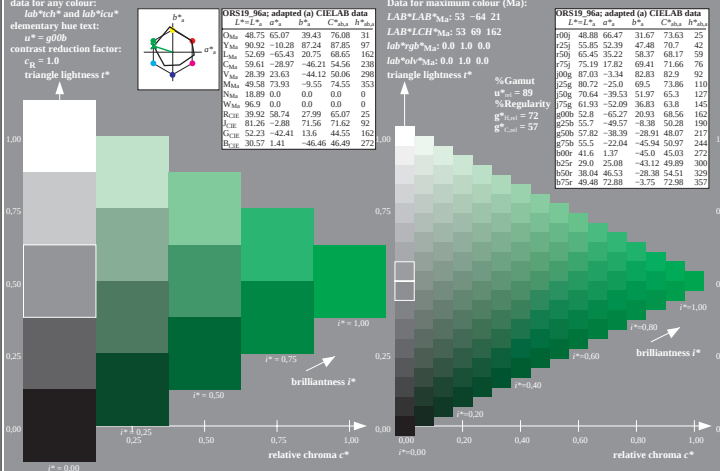
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ — $u^* = g25b$

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

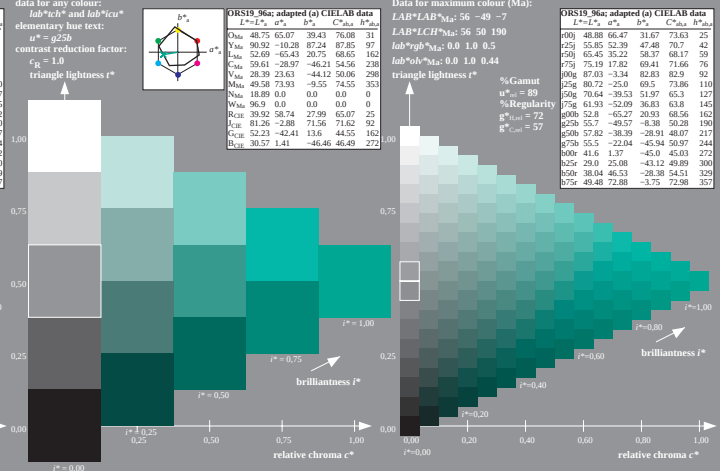
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.44

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ — $u^* = g50b$

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

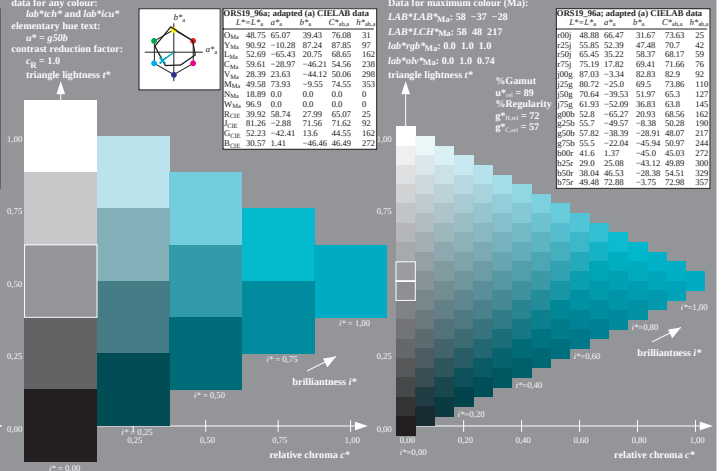
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ — $u^* = g75b$

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

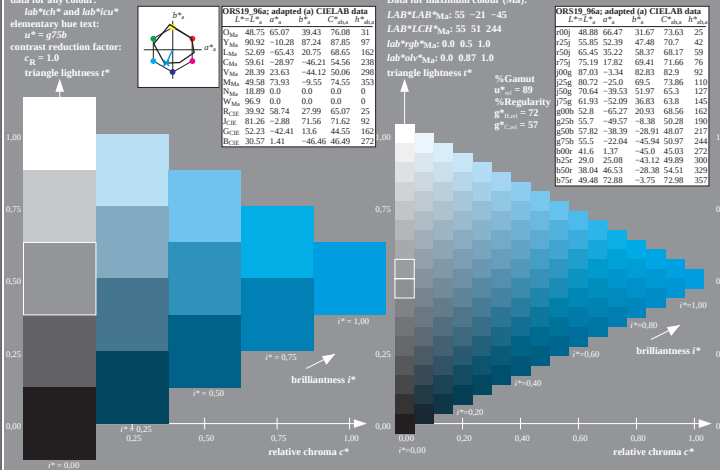
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ — $u^* = b00r$

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

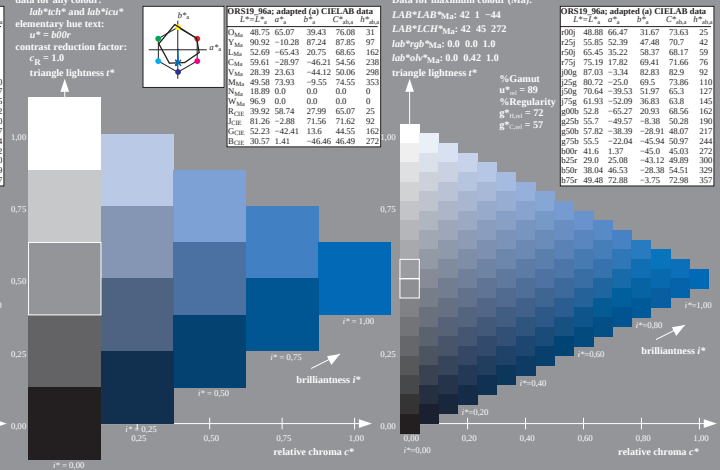
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −44
$LAB^*LCH^*_{Ma}$: 42 45 272
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.42 1.0

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ — $u^* = b25r$

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

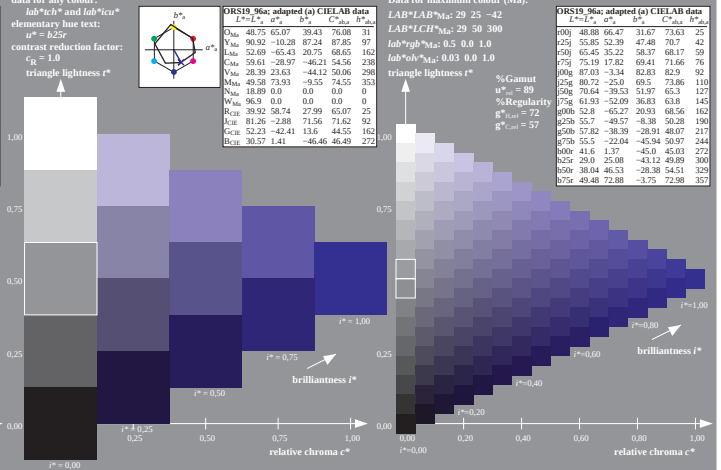
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ — $u^* = b50r$

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

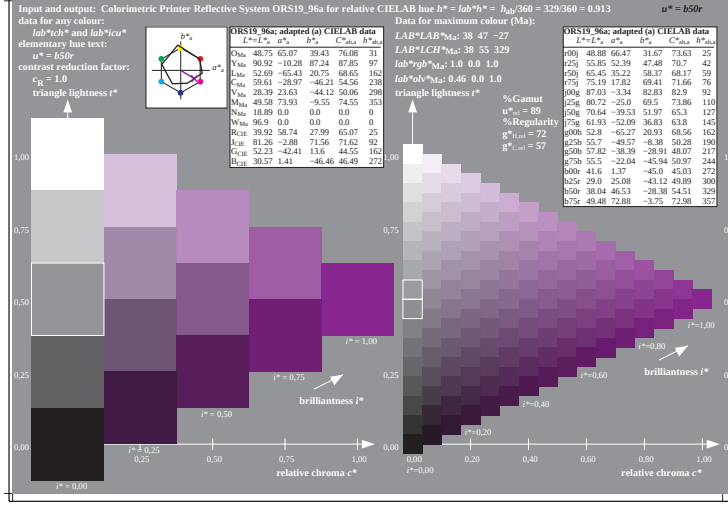
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.46 0.0 1.0

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ — $u^* = b75r$

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

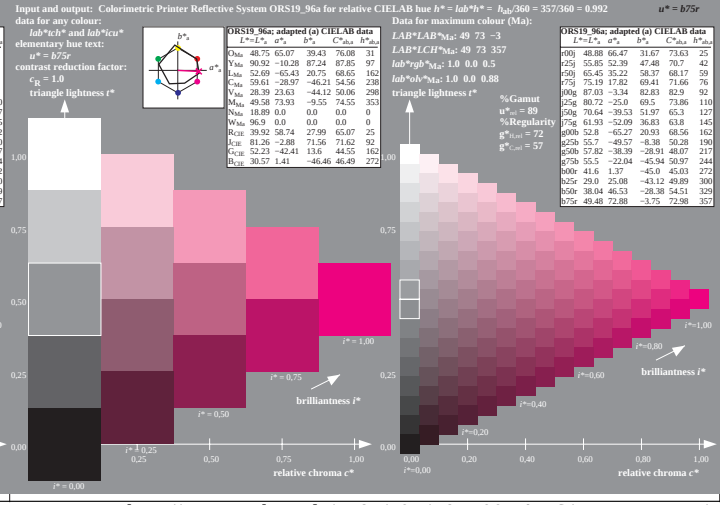
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

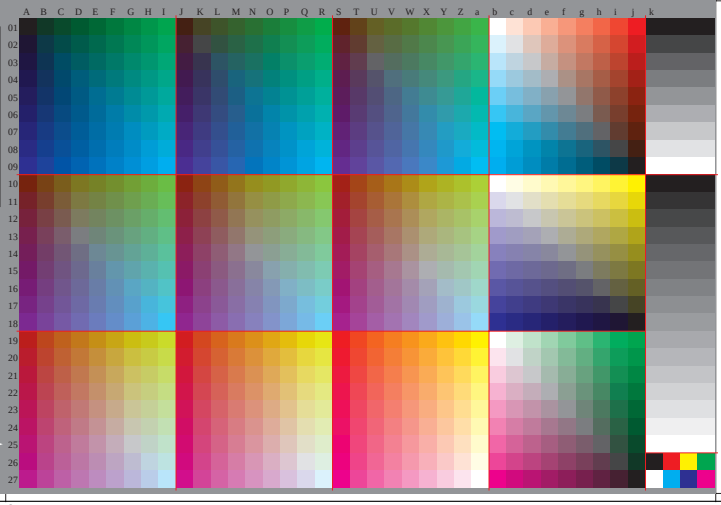
%Gamut $u^*_{gcl} = 89$
%Regularity $g^*_{H,crl} = 72$, $g^*_{C,crl} = 57$

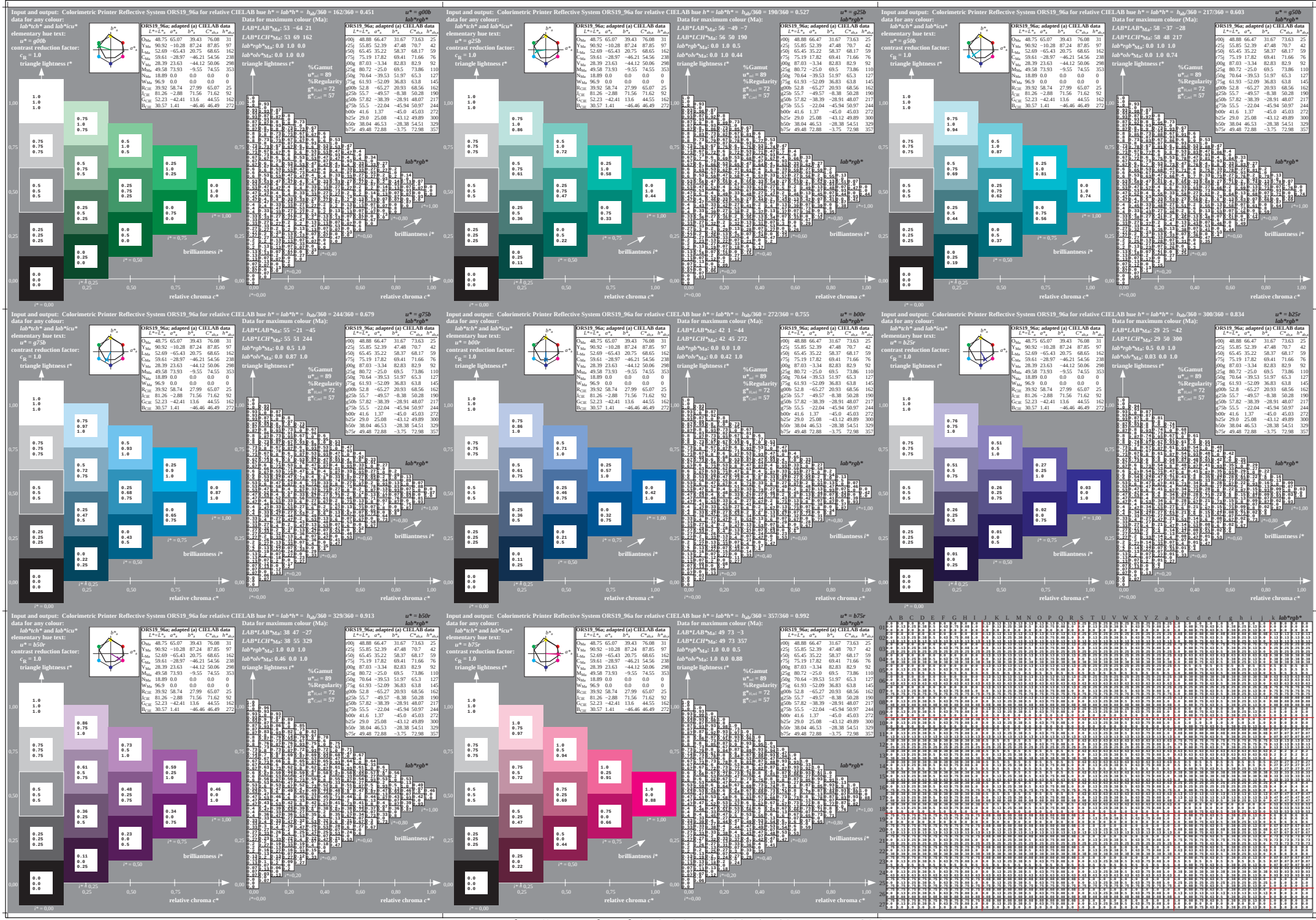
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	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





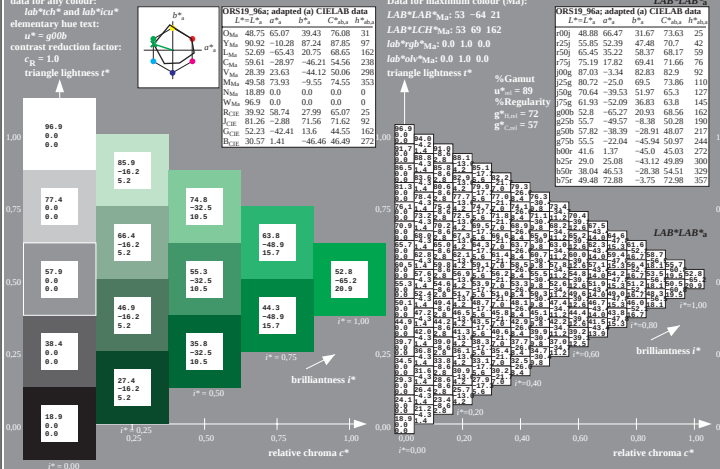

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 162/360 = 0.451
u* = g00b
lab*rgb*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 190/360 = 0.527
u* = g25b
lab*rgb*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 217/360 = 0.603
u* = g50b
lab*rgb*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 244/360 = 0.679
u* = g75b
lab*rgb*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 272/360 = 0.755
u* = b00r
lab*rgb*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 300/360 = 0.834
u* = b25r
lab*rgb*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 329/360 = 0.913
u* = b50r
lab*rgb*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 357/360 = 0.992
u* = b75r
lab*rgb*
ORS19_96a; adapted (a) CIELAB data
Data for maximum colour (Ma):
%Gamut
%Regularity
brilliantness i*
relative chroma c*

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

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

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

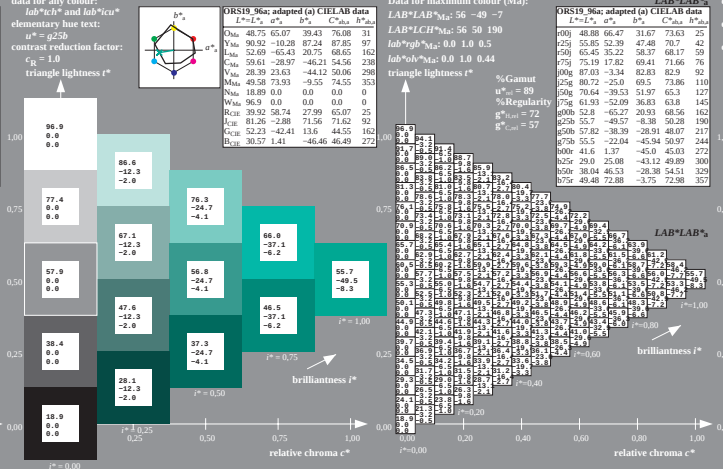


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ — $u^* = g25b$, $LAB^*LAB^*_a$

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

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

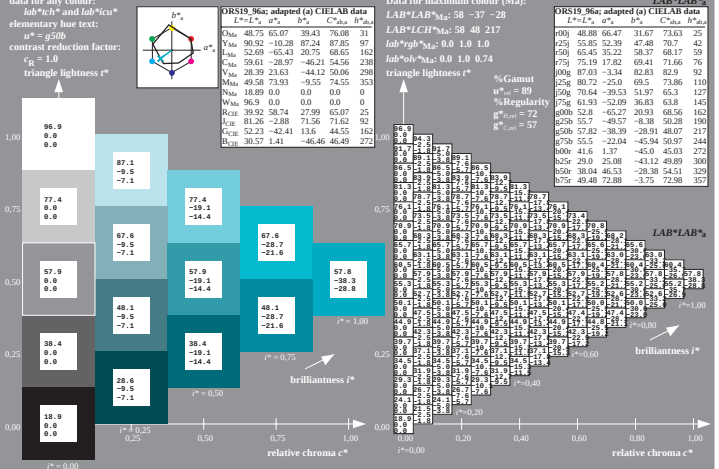


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ — $u^* = g50b$, $LAB^*LAB^*_a$

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

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

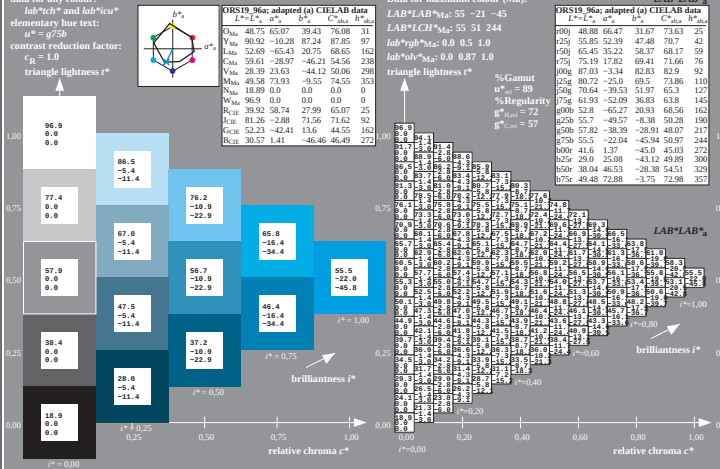


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ — $u^* = g75b$, $LAB^*LAB^*_a$

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

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

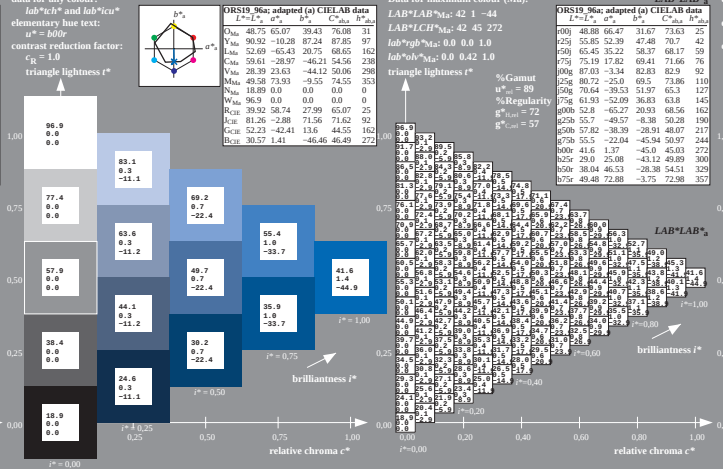


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ — $u^* = b00r$, $LAB^*LAB^*_a$

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

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

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

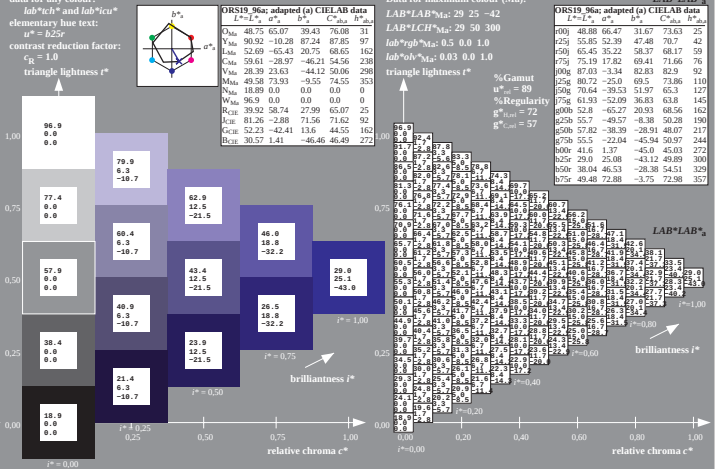


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ — $u^* = b25r$, $LAB^*LAB^*_a$

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

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

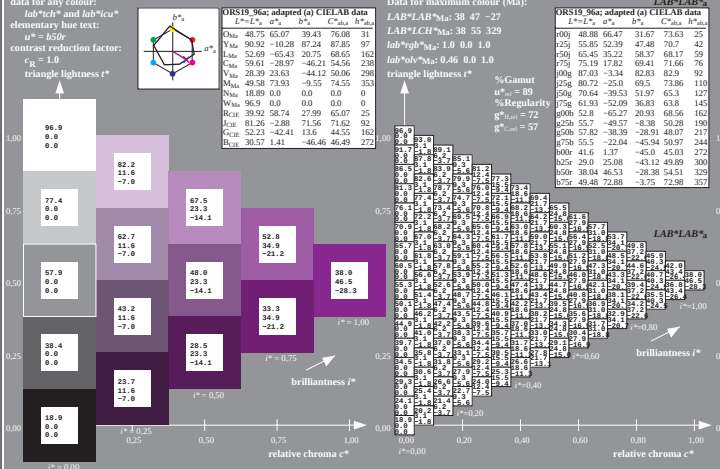


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ — $u^* = b50r$, $LAB^*LAB^*_a$

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

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

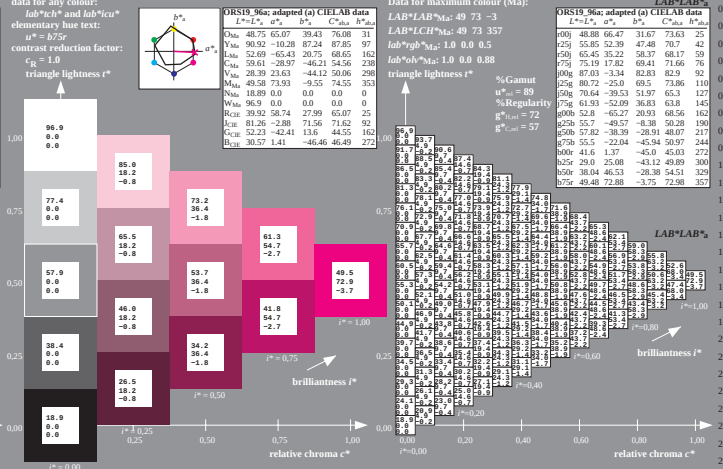


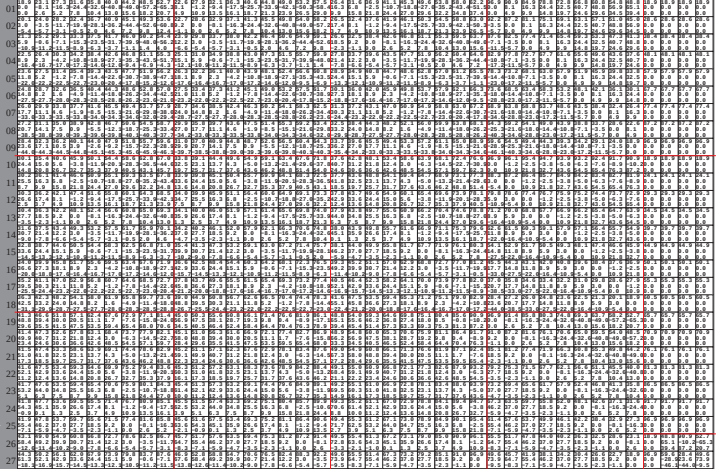
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ — $u^* = b75r$, $LAB^*LAB^*_a$

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

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

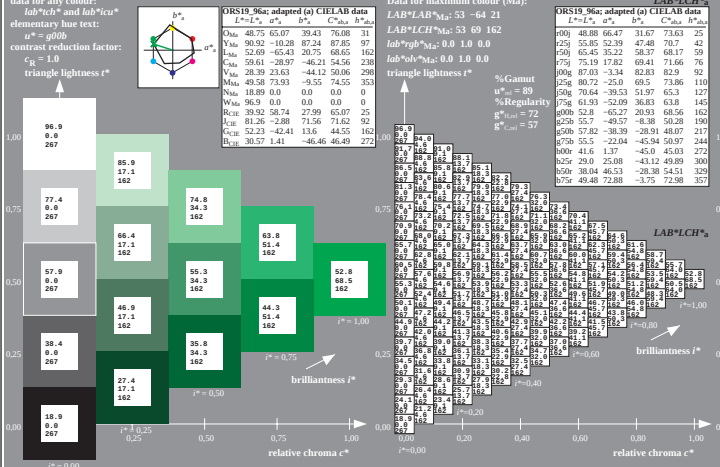




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ — $u^* = g00b$, $LAB^*LCH^*_a$

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



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

ORS19_96a; adapted (a) CIELAB data

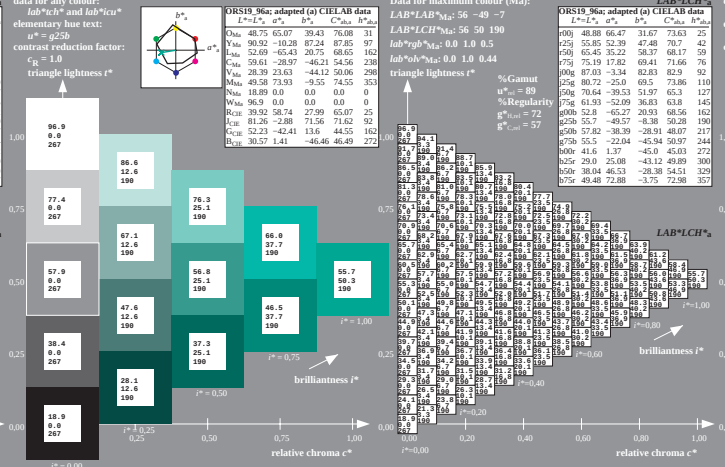
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ — $u^* = g25b$, $LAB^*LCH^*_a$

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



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

ORS19_96a; adapted (a) CIELAB data

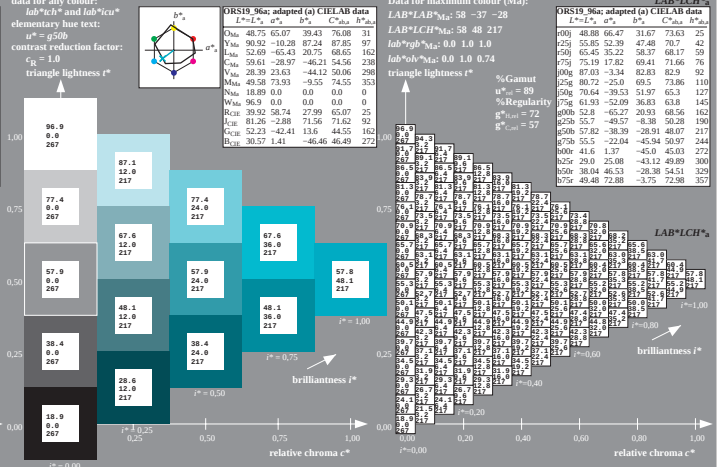
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ — $u^* = g50b$, $LAB^*LCH^*_a$

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



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

ORS19_96a; adapted (a) CIELAB data

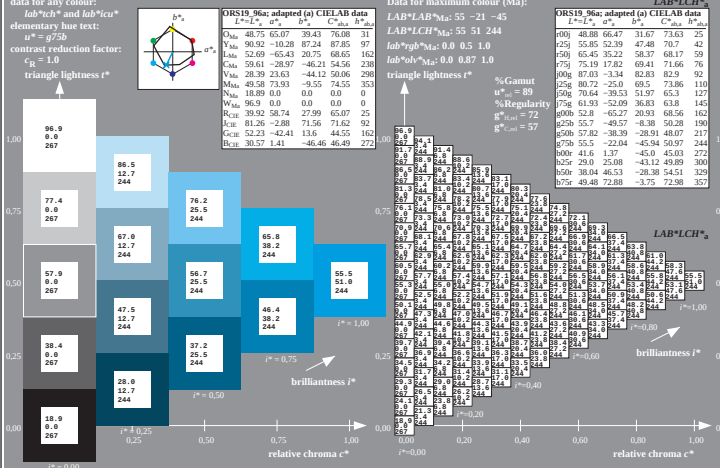
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ — $u^* = g75b$, $LAB^*LCH^*_a$

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



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

ORS19_96a; adapted (a) CIELAB data

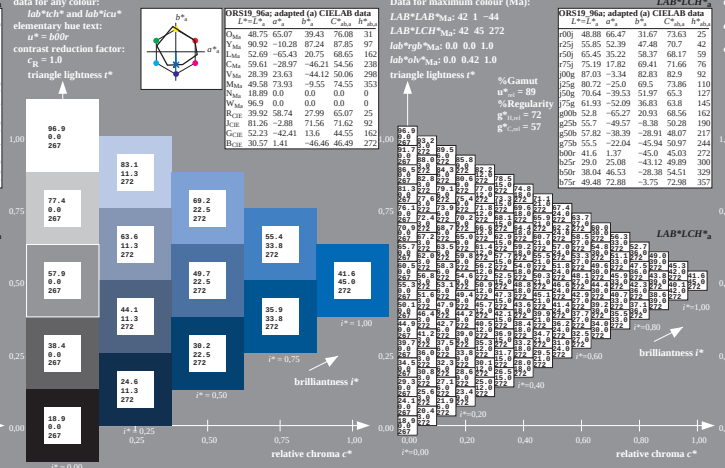
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ — $u^* = b00r$, $LAB^*LCH^*_a$

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

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



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

ORS19_96a; adapted (a) CIELAB data

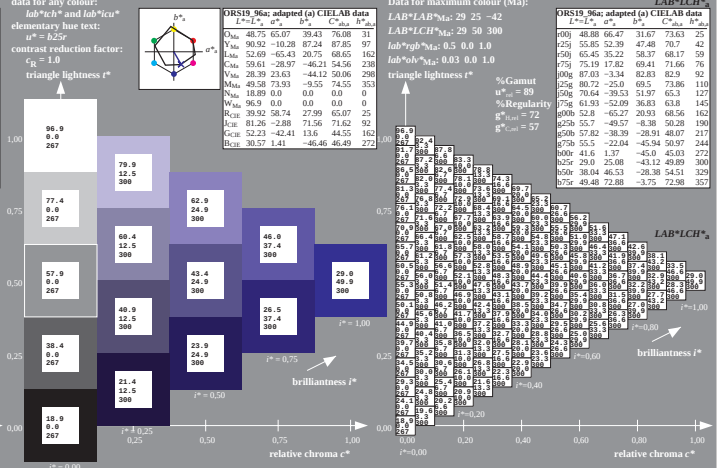
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ — $u^* = b25r$, $LAB^*LCH^*_a$

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



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

ORS19_96a; adapted (a) CIELAB data

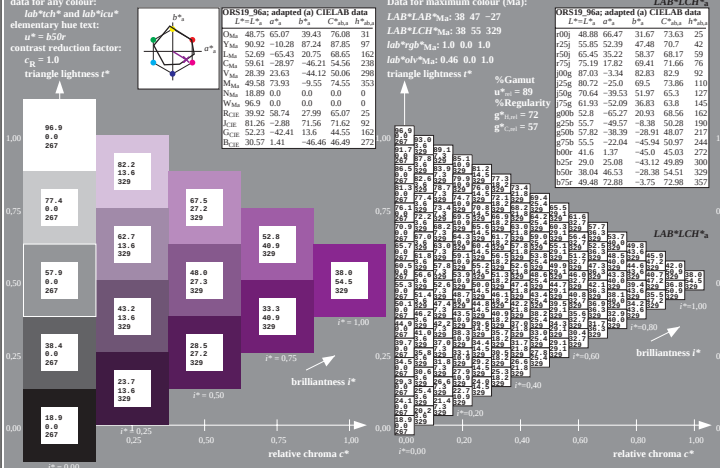
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ — $u^* = b50r$, $LAB^*LCH^*_a$

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



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

ORS19_96a; adapted (a) CIELAB data

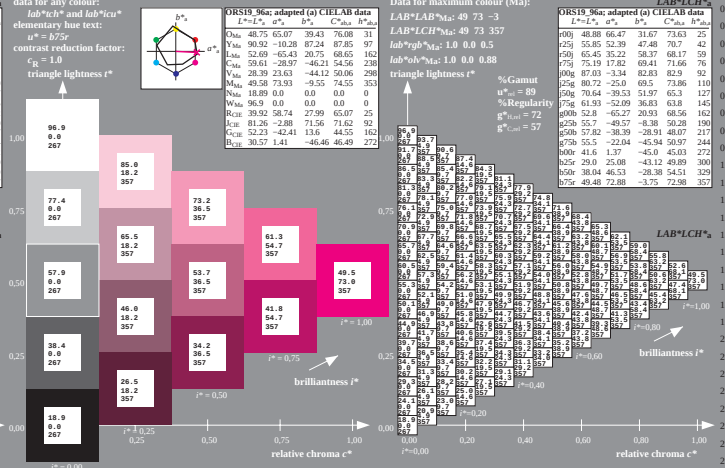
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ — $u^* = b75r$, $LAB^*LCH^*_a$

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

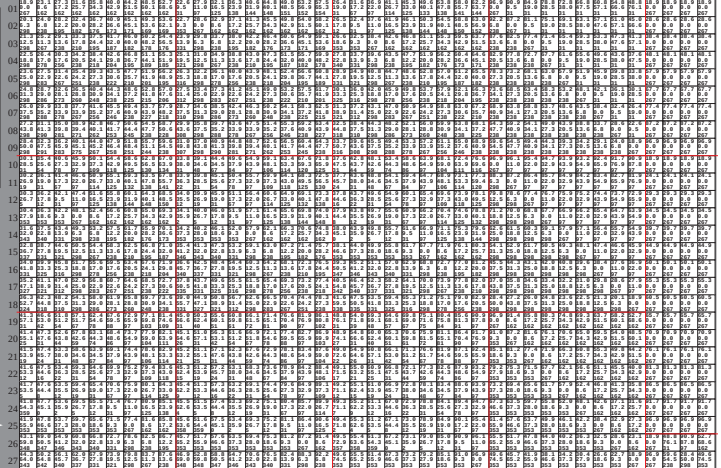


%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$ $g^*_{C,col} = 57$

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
b00g	87.03	−3.34	82.83	82.9	92
b25g	80.72	−25.0	69.5	73.86	110
b50g	70.64	−39.53	51.97	65.3	127
b75g	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

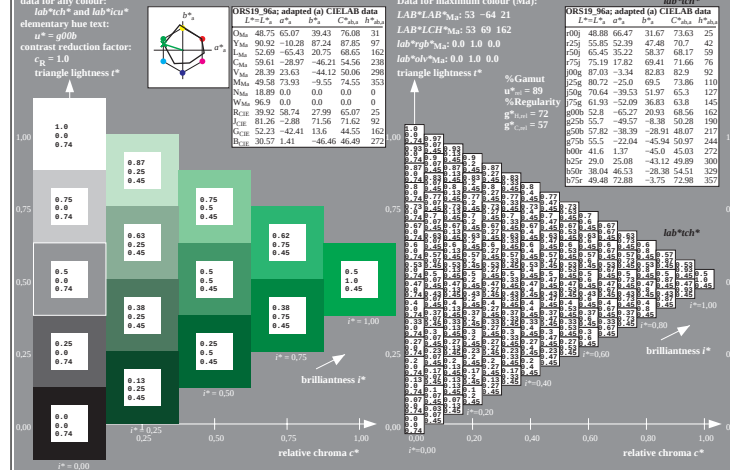


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

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

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

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

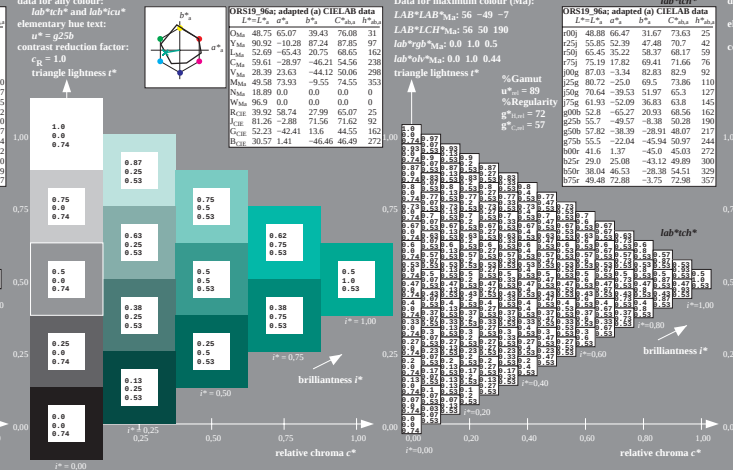


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

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

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

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

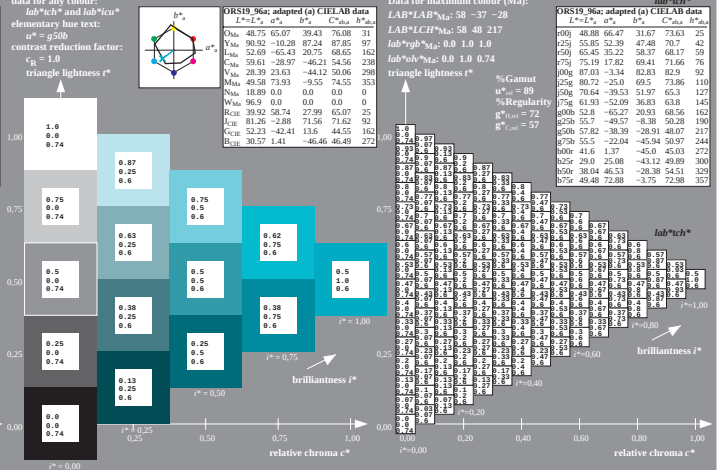


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

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

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

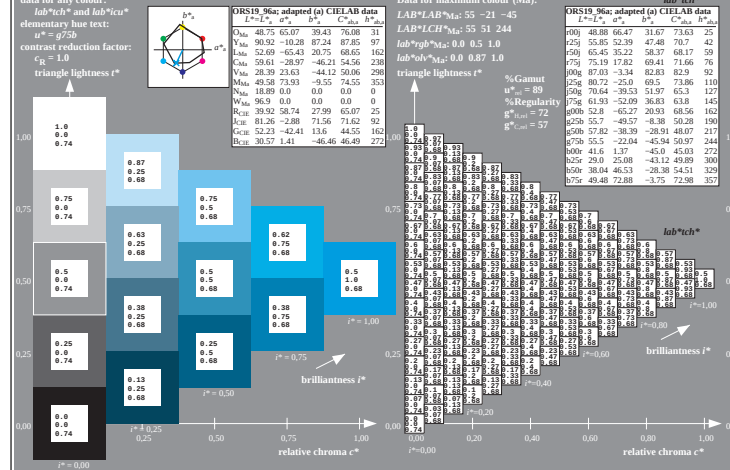


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

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

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

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

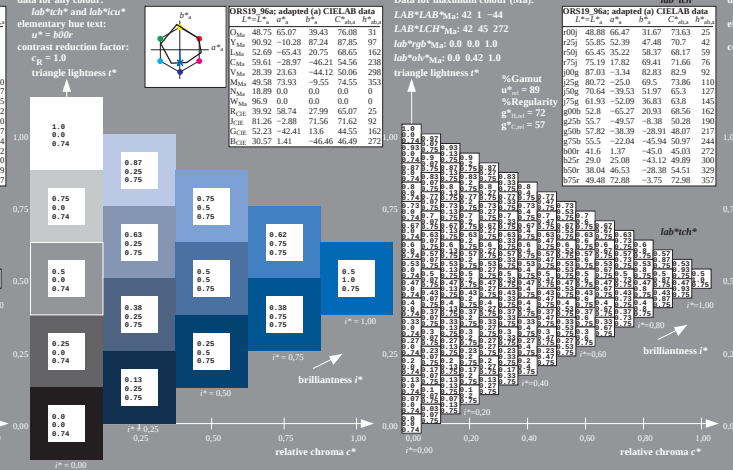


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

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

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

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

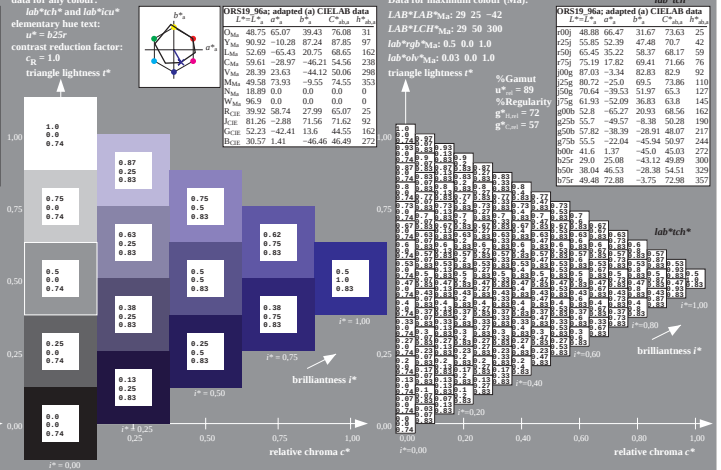


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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

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

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

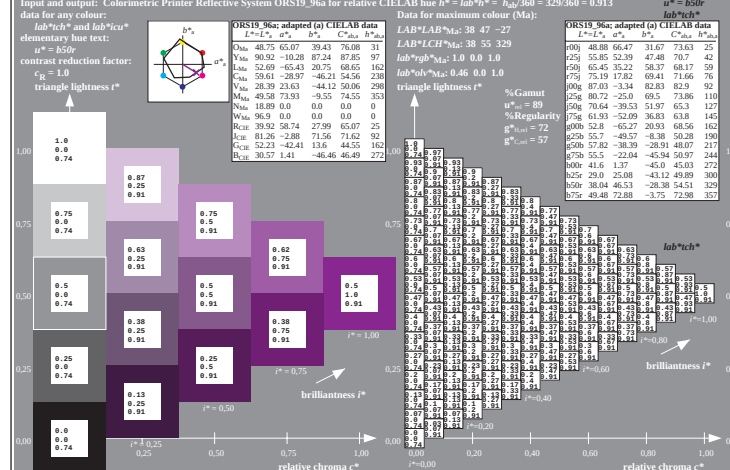


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

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

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

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

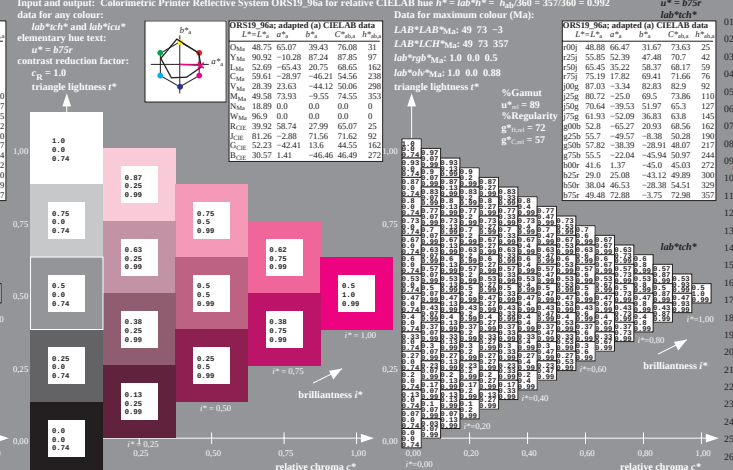


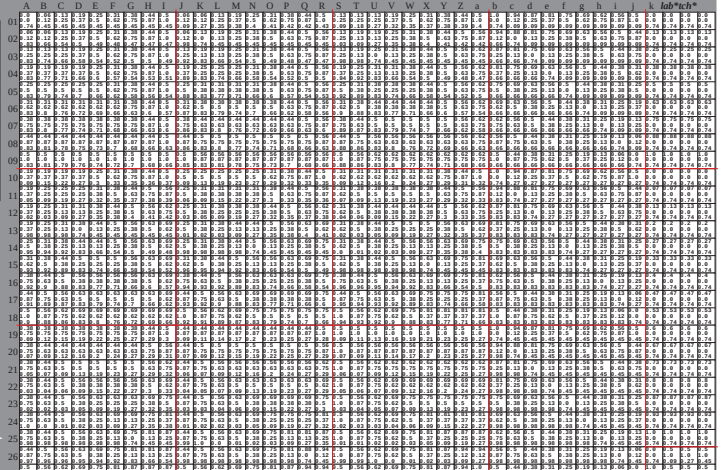
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

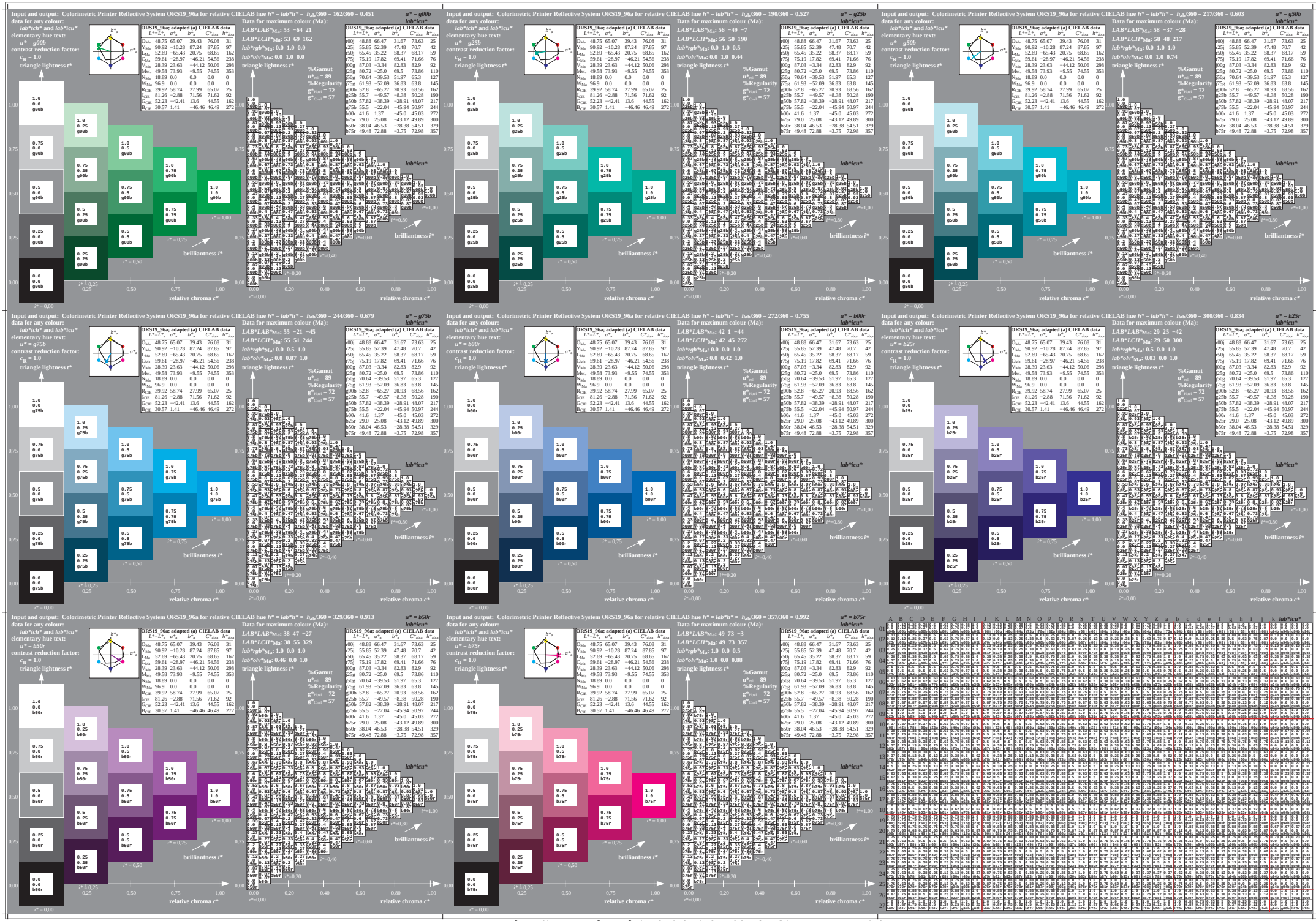
data for any colour: lab^*tch^* and lab^*icu^*
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

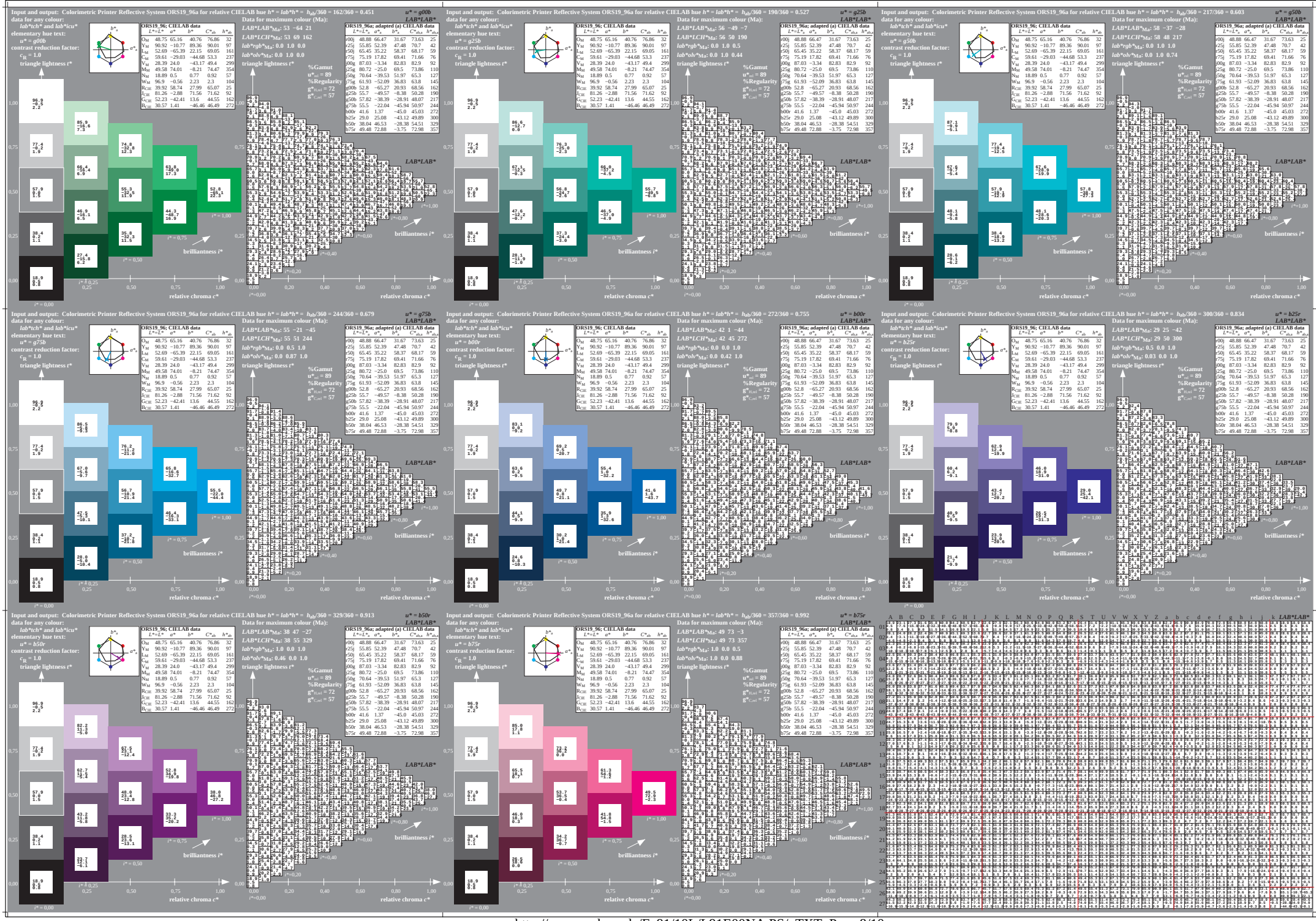
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

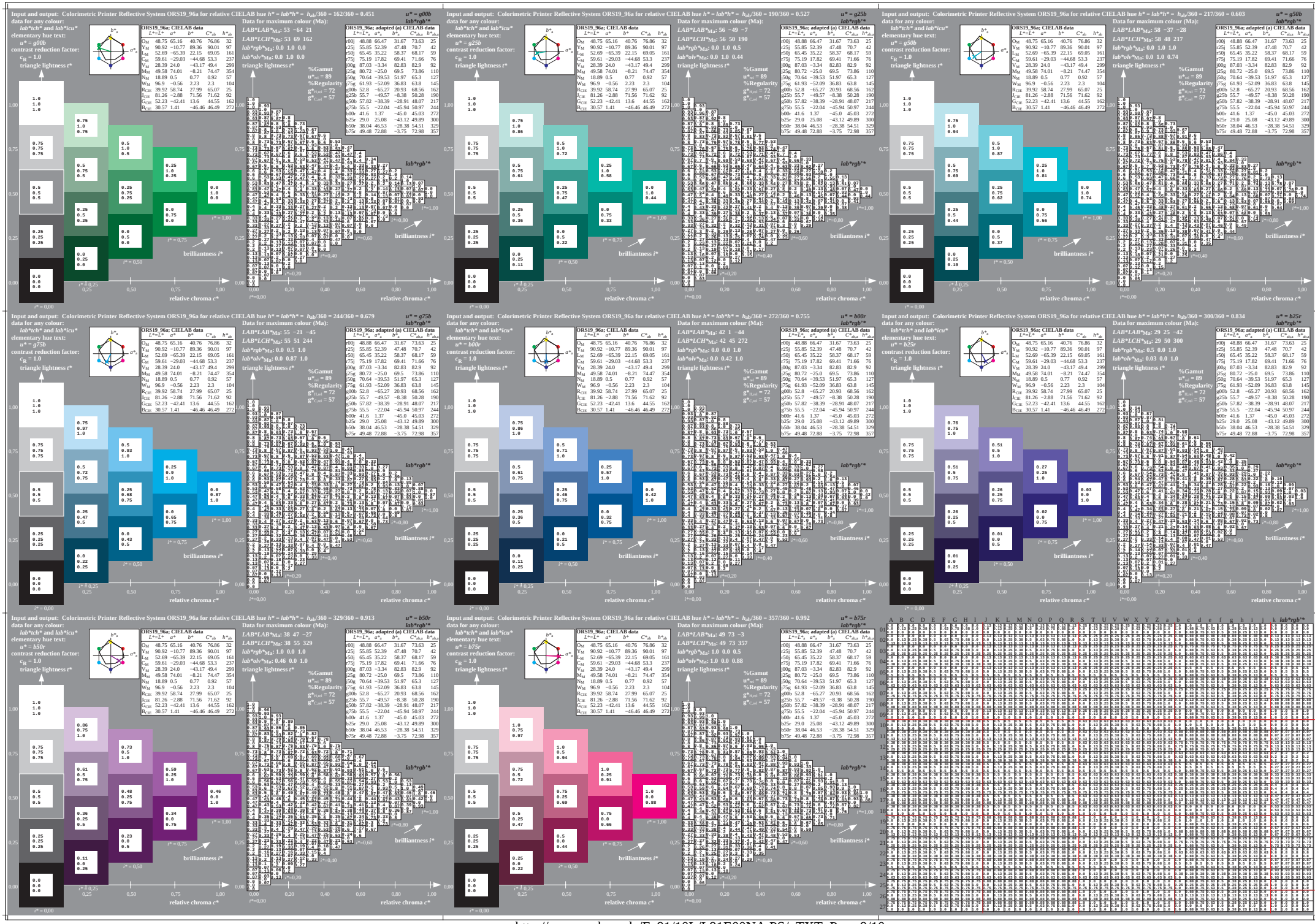
$u^* = b75r$
lab^*tch^*






Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 162/360 = 0.451
u* = g00b
lab*icu*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 190/360 = 0.527
u* = g25b
lab*icu*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 217/360 = 0.603
u* = g50b
lab*icu*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 244/360 = 0.679
u* = g75b
lab*icu*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 272/360 = 0.755
u* = b00r
lab*icu*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 300/360 = 0.834
u* = b25r
lab*icu*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 329/360 = 0.913
u* = b50r
lab*icu*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 357/360 = 0.992
u* = b75r
lab*icu*
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
cR = 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*olv*Ma: 0.0 1.0 0.0
LAB*LAB*Ma: 56 −49 −7
LAB*LCH*Ma: 56 50 190
lab*rgb*Ma: 0.0 1.0 0.5
lab*olv*Ma: 0.0 1.0 0.44
LAB*LAB*Ma: 58 −37 −28
LAB*LCH*Ma: 58 48 217
lab*rgb*Ma: 0.0 1.0 0.74
lab*olv*Ma: 0.0 1.0 0.74
LAB*LAB*Ma: 55 −21 −45
LAB*LCH*Ma: 55 51 244
lab*rgb*Ma: 0.0 0.5 1.0
lab*olv*Ma: 0.0 0.87 1.0
LAB*LCH*Ma: 42 1 −44
LAB*LCH*Ma: 42 45 272
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.42 1.0
LAB*LAB*Ma: 29 25 −42
LAB*LCH*Ma: 29 50 300
lab*rgb*Ma: 0.5 0.0 1.0
lab*olv*Ma: 0.03 0.0 1.0
LAB*LAB*Ma: 38 47 −27
LAB*LCH*Ma: 38 55 329
lab*rgb*Ma: 1.0 0.0 1.0
lab*olv*Ma: 0.46 0.0 1.0
LAB*LAB*Ma: 49 73 −3
LAB*LCH*Ma: 49 73 357
lab*rgb*Ma: 1.0 0.0 0.5
lab*olv*Ma: 1.0 0.0 0.88
%Gamut
u*sol = 89
%Regularity
g*H,rel = 72
g*C,rel = 57
ORS19_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 162/360 = 0.451
u* = g00b
LAB*LAB*
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = g00b
contrast reduction factor:
cR = 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*olv*Ma: 0.0 1.0 0.0
ORS19_96; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*sol = 89
%Regularity
g*H,ref = 72
g*C,ref = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 190/360 = 0.527
u* = g25b
LAB*LAB*
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*olv*Ma: 0.0 1.0 0.44
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 217/360 = 0.603
u* = g50b
LAB*LAB*
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*olv*Ma: 0.0 1.0 0.74
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 244/360 = 0.679
u* = g75b
LAB*LAB*
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*olv*Ma: 0.0 0.87 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 272/360 = 0.755
u* = b00r
LAB*LAB*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 1 −44
LAB*LCH*Ma: 42 45 272
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.42 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 300/360 = 0.834
u* = b25r
LAB*LAB*
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*olv*Ma: 0.03 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 329/360 = 0.913
u* = b50r
LAB*LAB*
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*olv*Ma: 0.46 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 357/360 = 0.992
u* = b75r
LAB*LAB*
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*olv*Ma: 1.0 0.0 0.88


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 162/360 = 0.451
u* = g00b
lab*rgb'*
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*olv*Ma: 0.0 1.0 0.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 190/360 = 0.527
u* = g25b
lab*rgb'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 56 −49 −7
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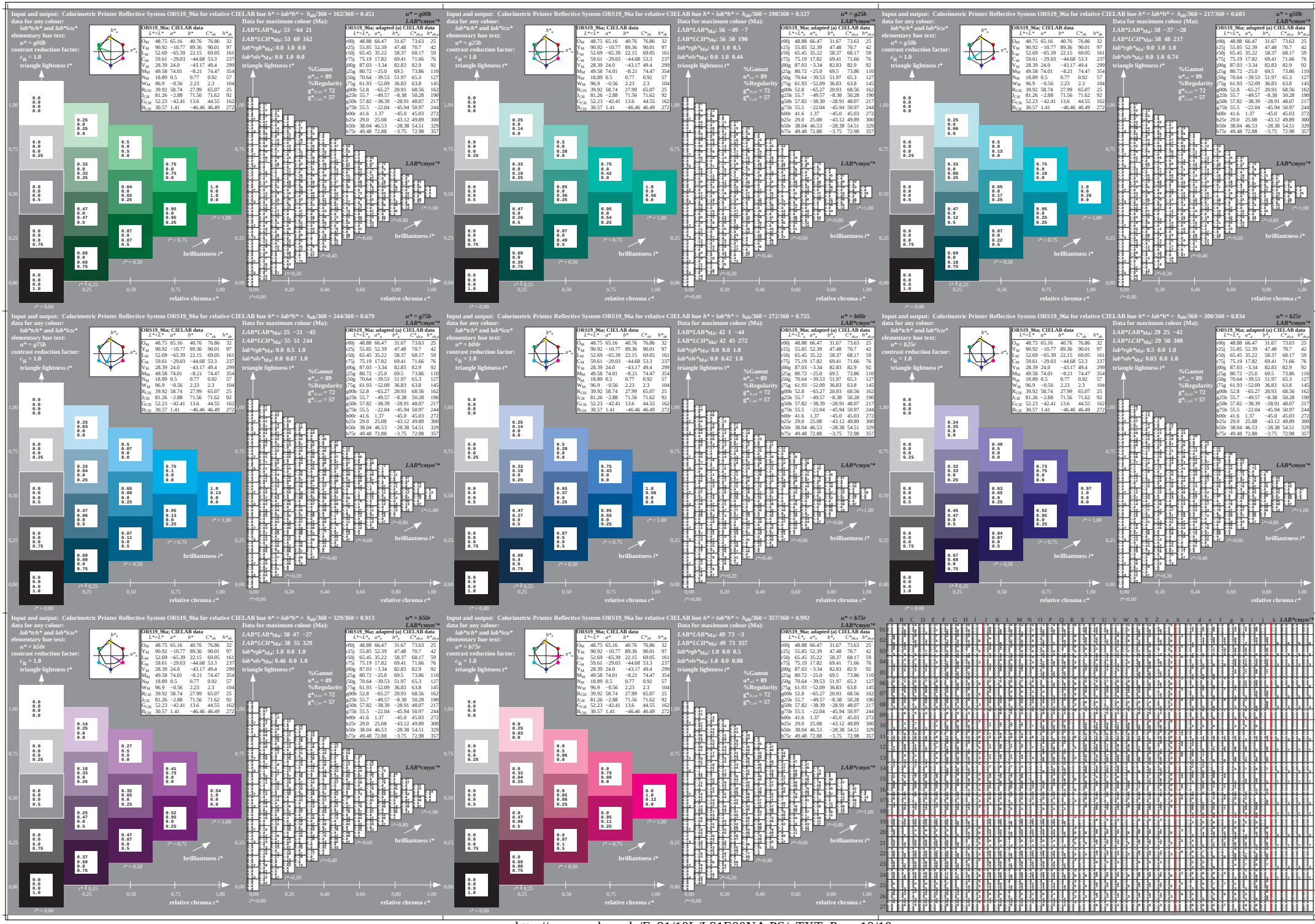
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 217/360 = 0.603
u* = g50b
lab*rgb'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 58 −37 −28
LAB*LCH*Ma: 58 48 217
lab*rgb*Ma: 0.0 1.0 0.74
lab*olv*Ma: 0.0 1.0 0.74
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 244/360 = 0.679
u* = g75b
lab*rgb'*
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*olv*Ma: 0.0 0.87 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 272/360 = 0.755
u* = b00r
lab*rgb'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 1 −44
LAB*LCH*Ma: 42 45 272
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.42 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 300/360 = 0.834
u* = b25r
lab*rgb'*
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*olv*Ma: 0.03 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 329/360 = 0.913
u* = b50r
lab*rgb'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 38 47 −27
LAB*LCH*Ma: 38 55 329
lab*rgb*Ma: 1.0 0.0 0.5
lab*olv*Ma: 0.46 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 357/360 = 0.992
u* = b75r
lab*rgb'*
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*olv*Ma: 1.0 0.0 0.88
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
contrast reduction factor:
cR = 1.0
triangle lightness t*
ORS19_96a; CIELAB data
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*sol = 89
%Regularity
g*H,tol = 72
g*C,tol = 57
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 162/360 = 0.451
u* = g00b
LAB*cmyn'*
data for any colour:
lab*tch* and lab*icu*
elementary hue text:
u* = g00b
contrast reduction factor:
cR = 1.0
triangle lightness i*
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
ORS19_96a; adapted (a) CIELAB data
%Gamut
u*col = 89
%Regularity
g*H,col = 72
g*C,col = 57
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 190/360 = 0.527
u* = g25b
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
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 217/360 = 0.603
u* = g50b
LAB*LAB*Ma: 58 −37 −28
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lab*rgb*Ma: 0.0 1.0 0.74
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Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 244/360 = 0.679
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Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 300/360 = 0.834
u* = b25r
LAB*LAB*Ma: 29 25 −42
LAB*LCH*Ma: 29 50 300
lab*rgb*Ma: 0.5 0.0 1.0
lab*ob*Ma: 0.03 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 329/360 = 0.913
u* = b50r
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
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h* = lab*h* = hab/360 = 357/360 = 0.992
u* = b75r
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