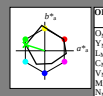
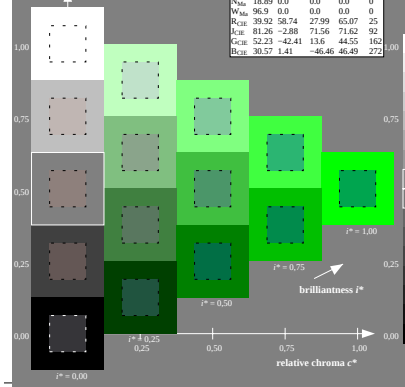
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ — ***u* = g00b***

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



ORS19_96a: adapted (a) CIELAB data

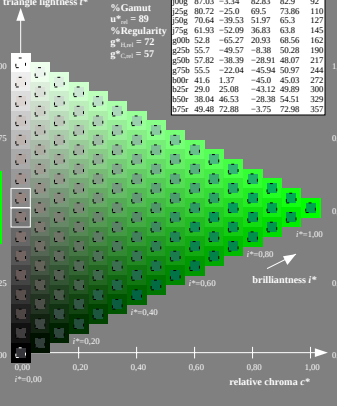
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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



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**

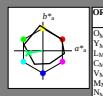
ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



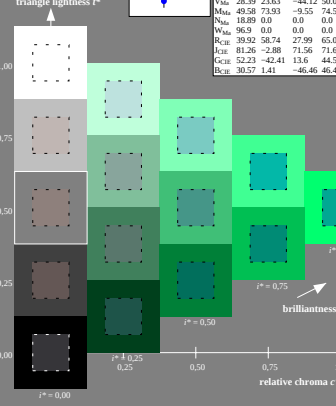
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ — ***u* = g25b***

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



ORS19_96a: adapted (a) CIELAB data

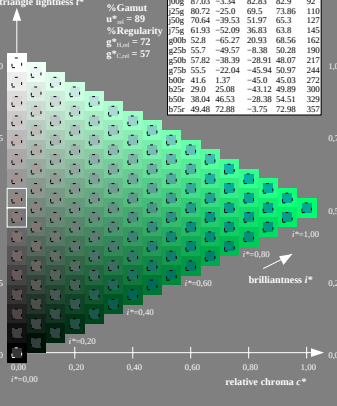
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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



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**

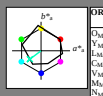
ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



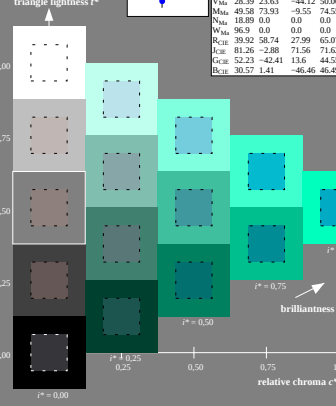
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ — ***u* = g50b***

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



ORS19_96a: adapted (a) CIELAB data

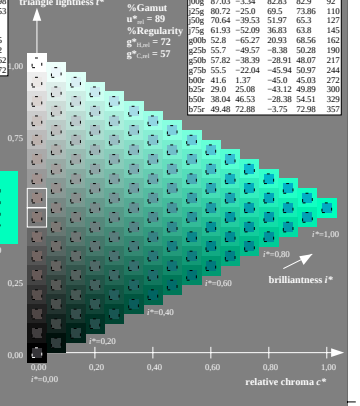
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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



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**

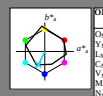
ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



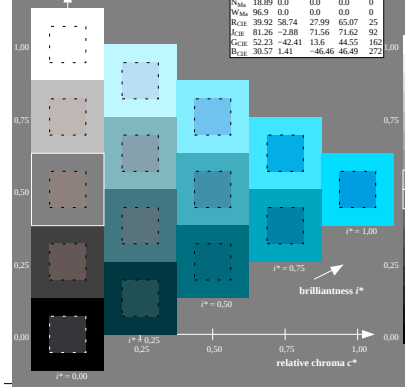
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ — ***u* = g75b***

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



ORS19_96a: adapted (a) CIELAB data

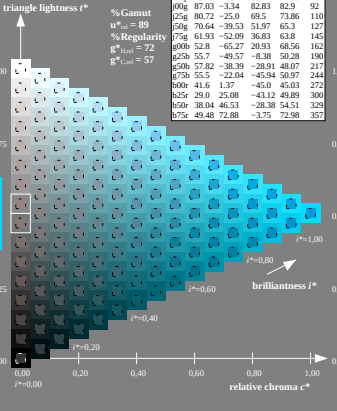
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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



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**

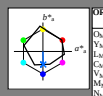
ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



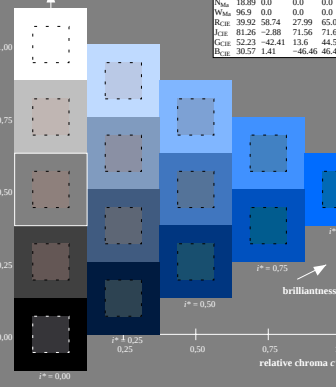
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ — ***u* = b00r***

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



ORS19_96a: adapted (a) CIELAB data

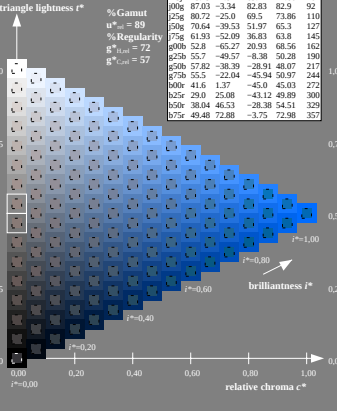
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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



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**

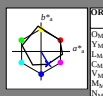
ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



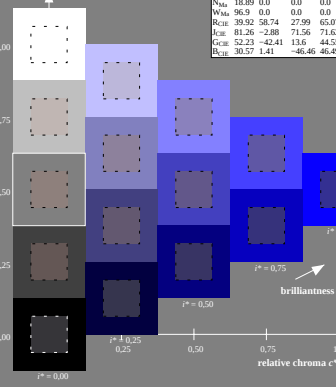
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ — ***u* = b25r***

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



ORS19_96a: adapted (a) CIELAB data

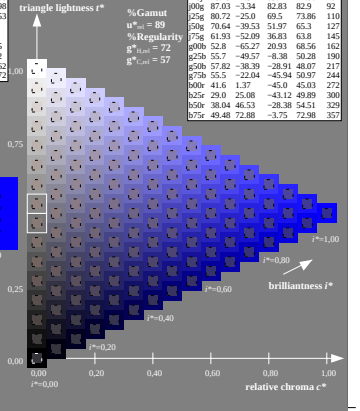
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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



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**

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

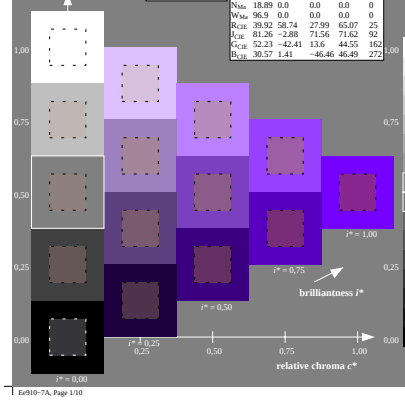


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ — ***u* = b50r***

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

ORS19_96a: adapted (a) CIELAB data

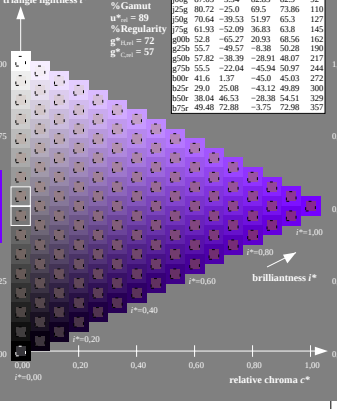
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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



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**

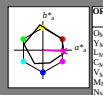
ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



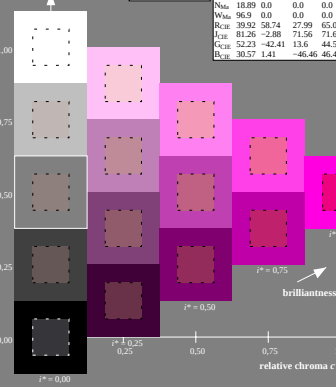
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ — ***u* = b75r***

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



ORS19_96a: adapted (a) CIELAB data

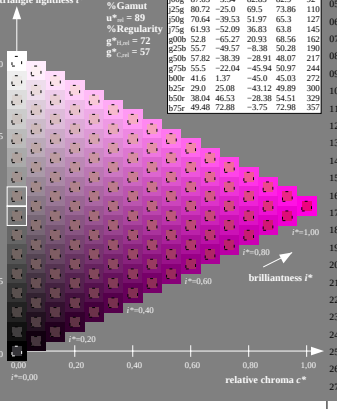
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9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

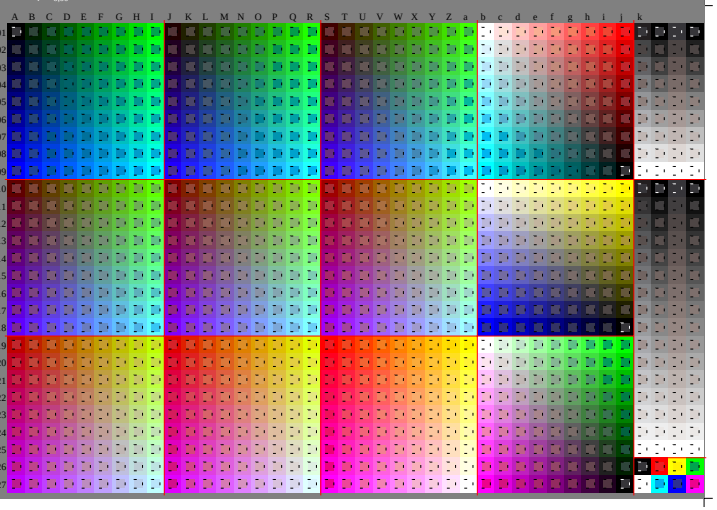


Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 49 73 −3**
***LAB*LCH*$_{Ma}$*: 49 73 357**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.5**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.88**

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



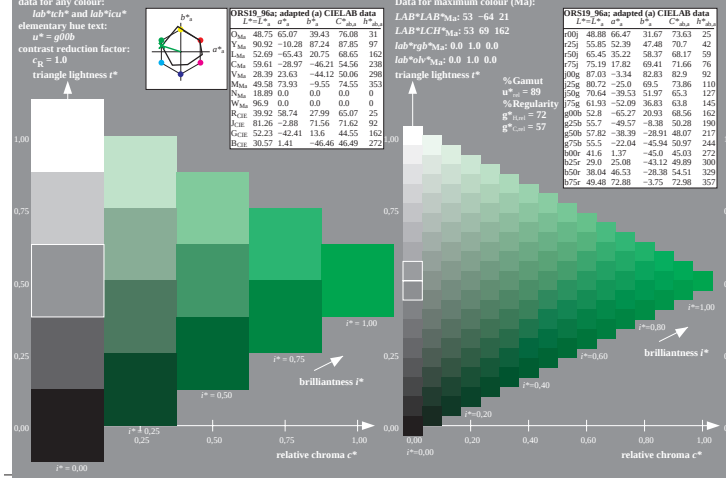


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 162/360 = 0.451$ — ***u* = g00b***

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



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

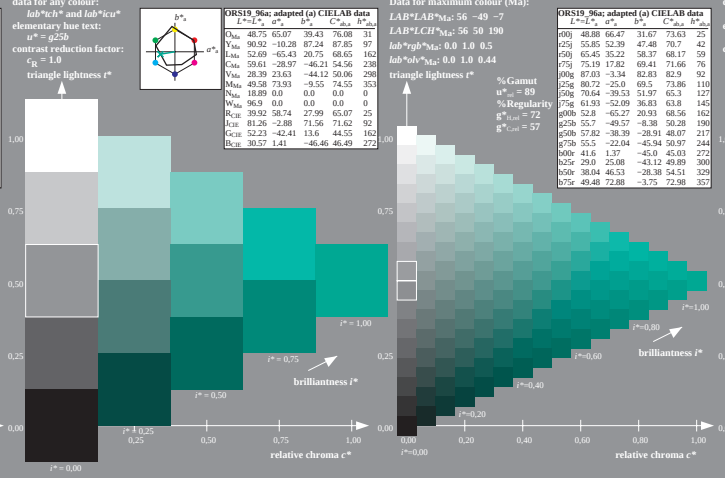
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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 $u^*_{Gmt} = 89$
%Regularity $g^*_{H,rel} = 72$, $g^*_{C,rel} = 57$



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

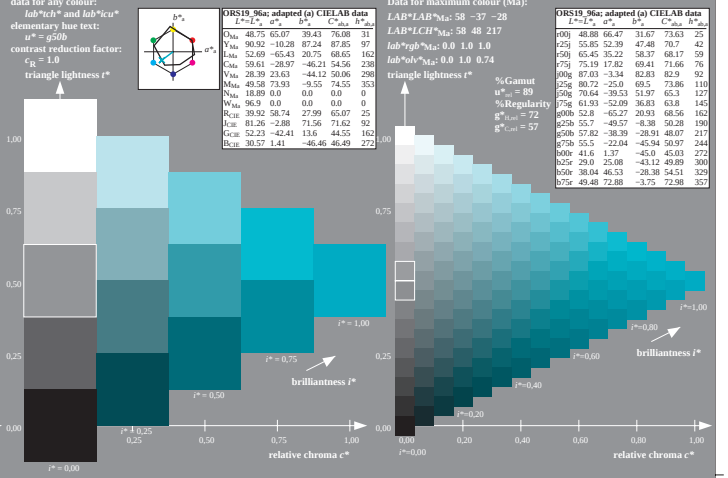
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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 $u^*_{Gmt} = 89$
%Regularity $g^*_{H,rel} = 72$, $g^*_{C,rel} = 57$



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

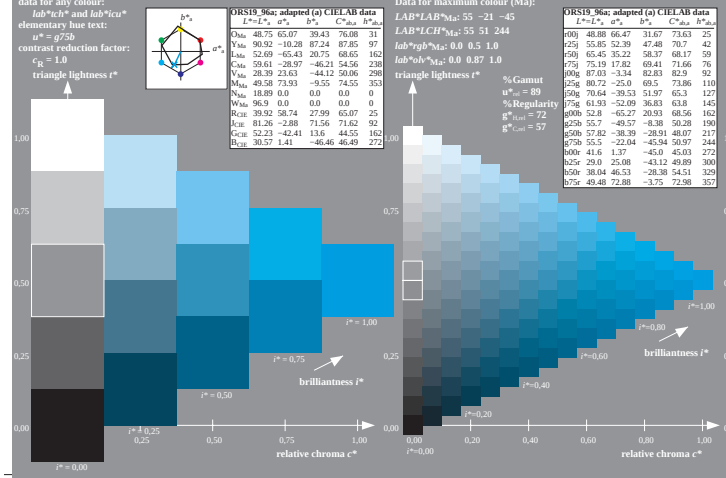
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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 $u^*_{Gmt} = 89$
%Regularity $g^*_{H,rel} = 72$, $g^*_{C,rel} = 57$



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

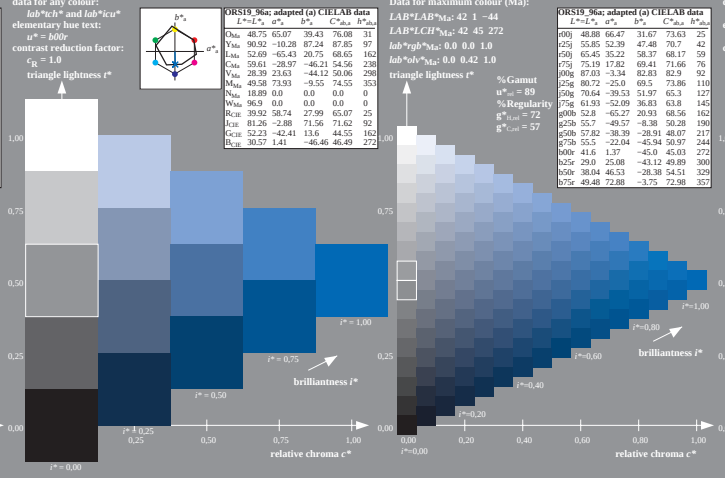
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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 $u^*_{Gmt} = 89$
%Regularity $g^*_{H,rel} = 72$, $g^*_{C,rel} = 57$



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

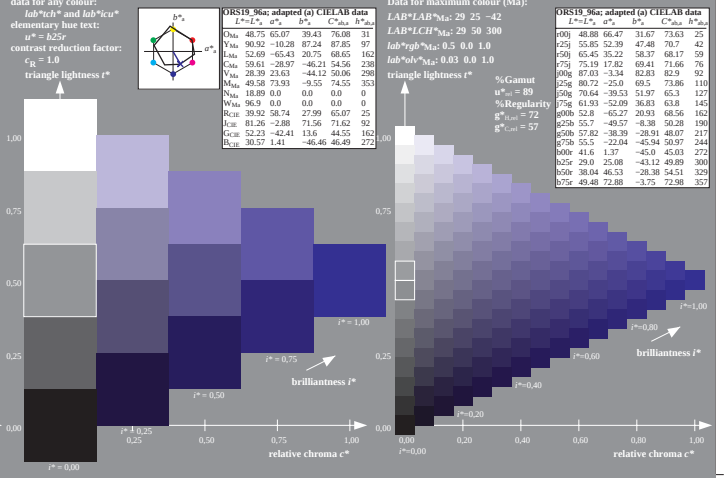
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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 $u^*_{Gmt} = 89$
%Regularity $g^*_{H,rel} = 72$, $g^*_{C,rel} = 57$



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

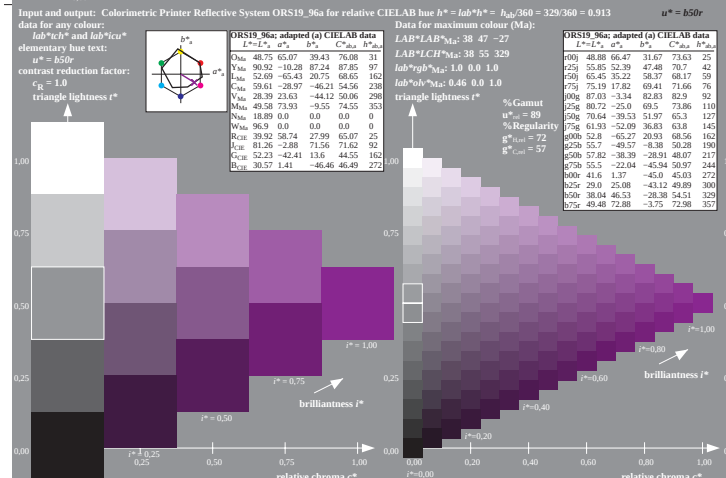
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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 $u^*_{Gmt} = 89$
%Regularity $g^*_{H,rel} = 72$, $g^*_{C,rel} = 57$



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

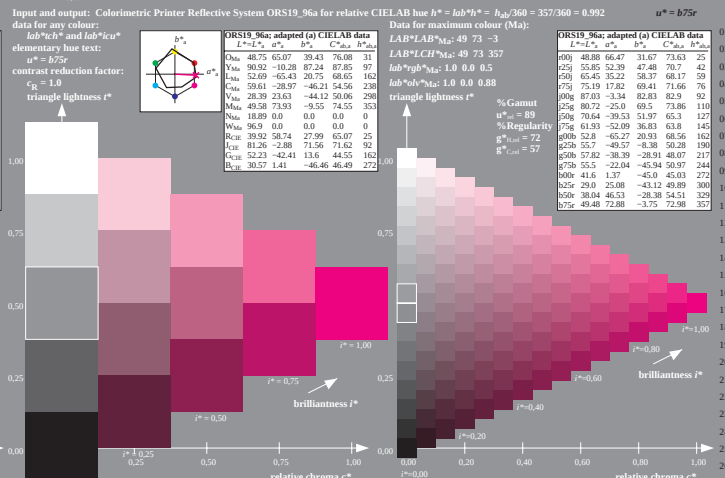
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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^*

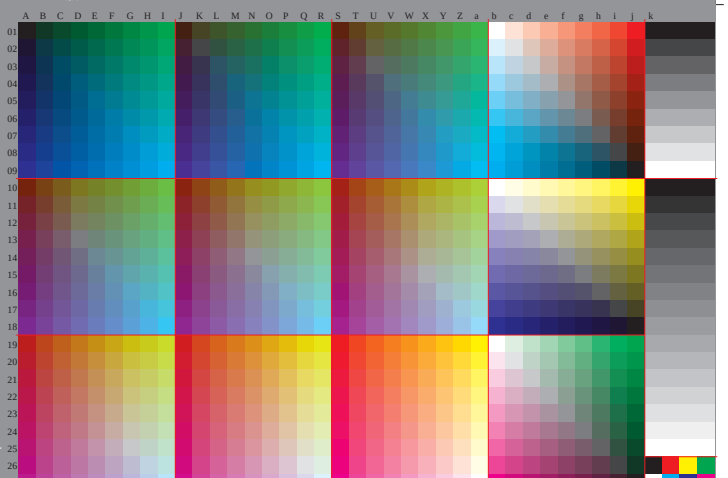
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 49 73 −3**
***LAB*LCH*$_{Ma}$*: 49 73 357**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.5**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.88**

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



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

ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	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
y00g	87.03	−3.34	82.83	82.9	92
y25g	80.72	−25.0	69.5	73.86	110
y50g	70.64	−39.53	51.97	65.3	127
y75g	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

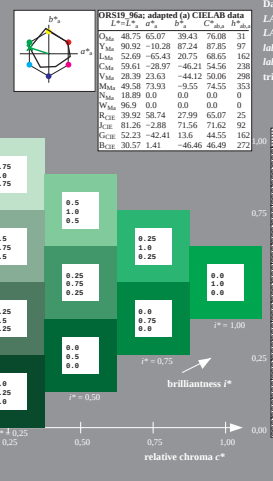


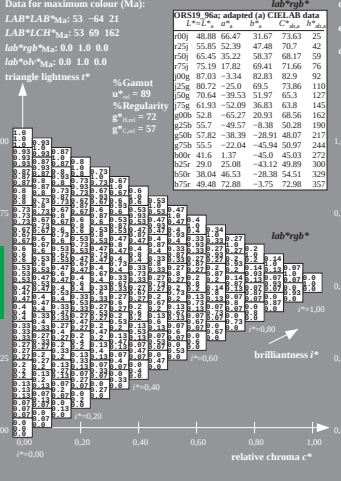
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

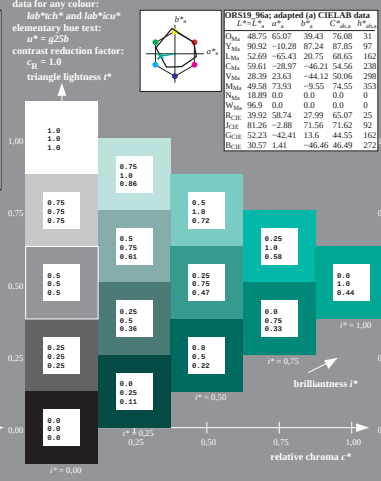
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g00b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*rgb^*





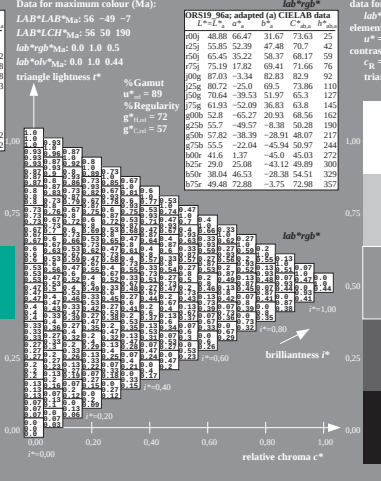


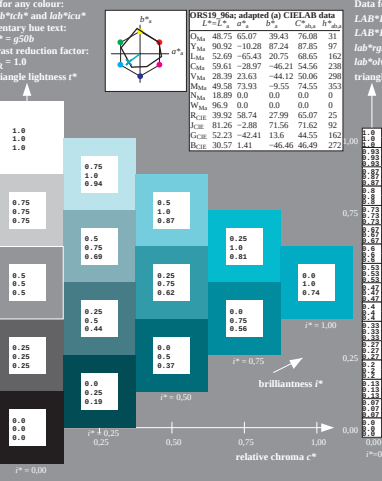
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

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^*rgb^*



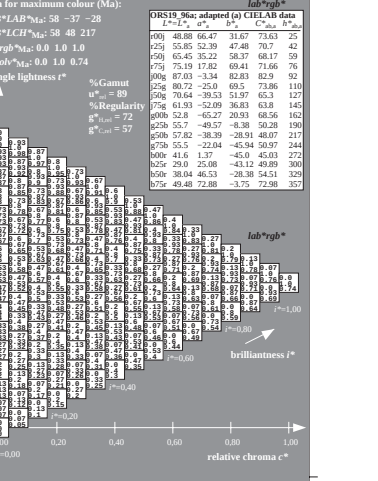


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

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

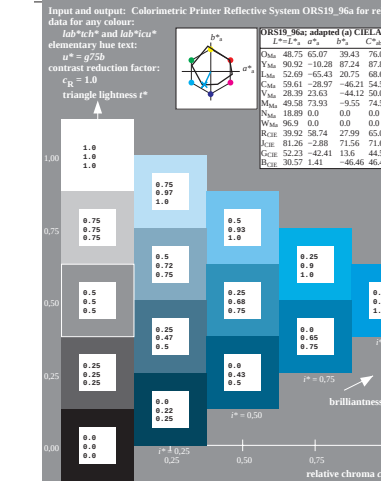


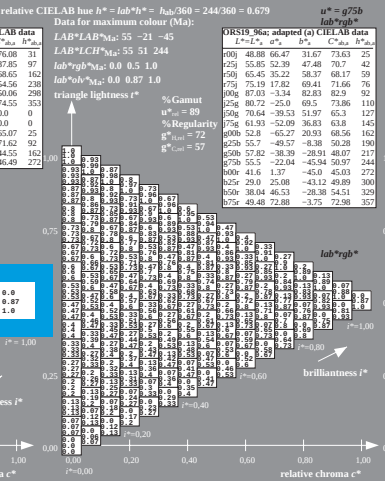
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

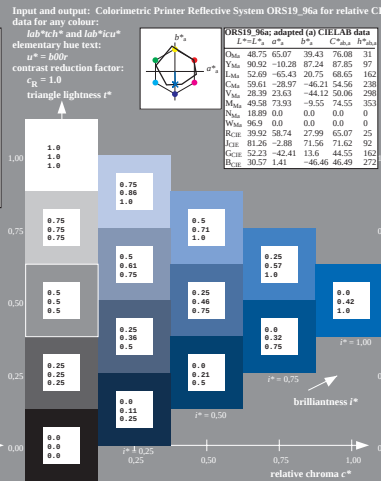
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*rgb^*





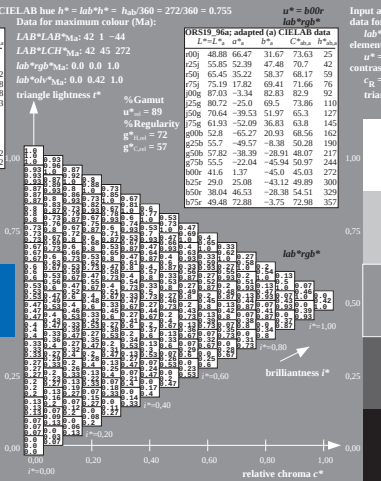


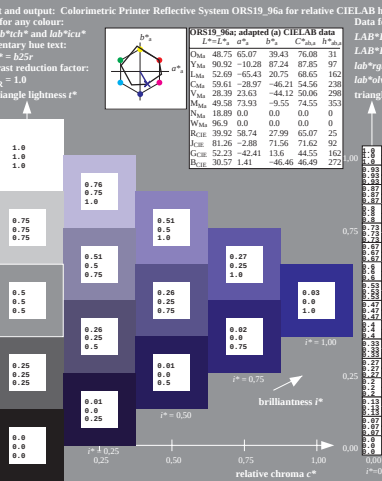
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

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^*rgb^*



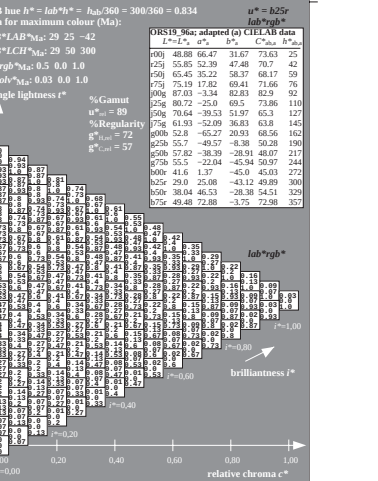


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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^*rgb^*

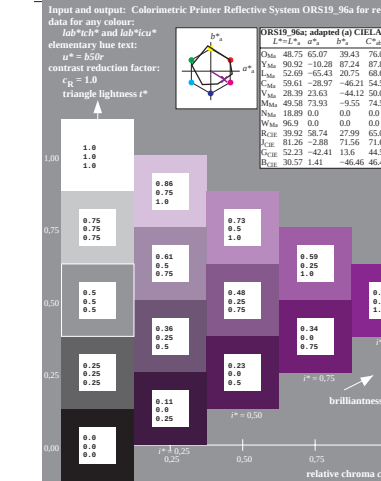


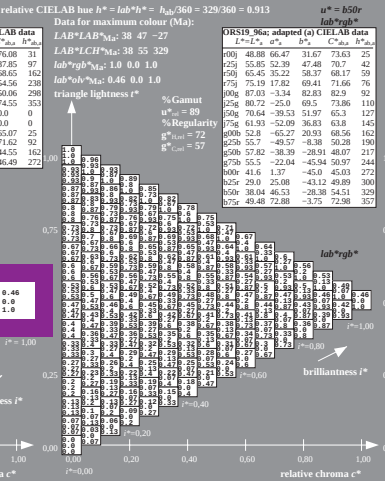
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

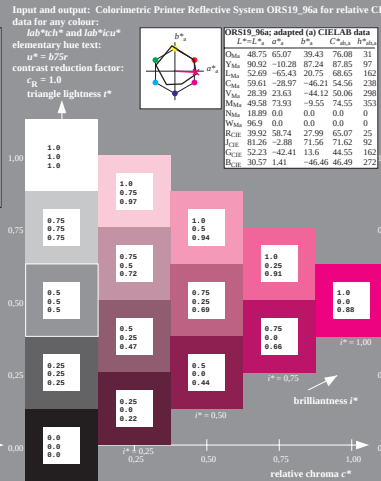
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b50r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*rgb^*





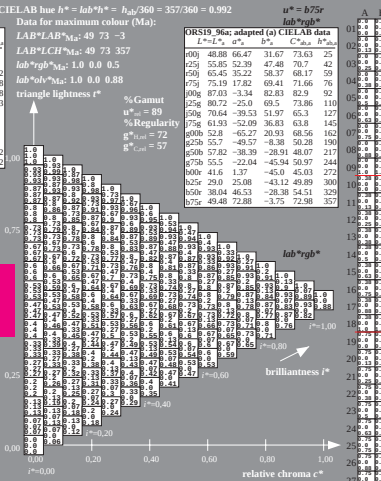


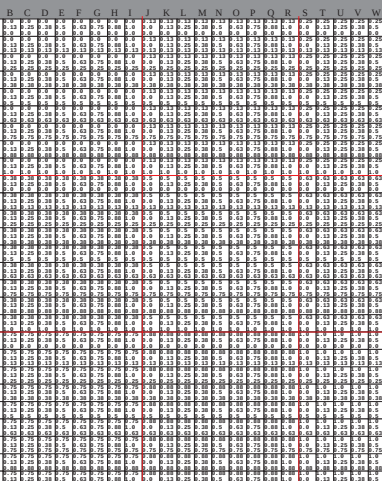
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

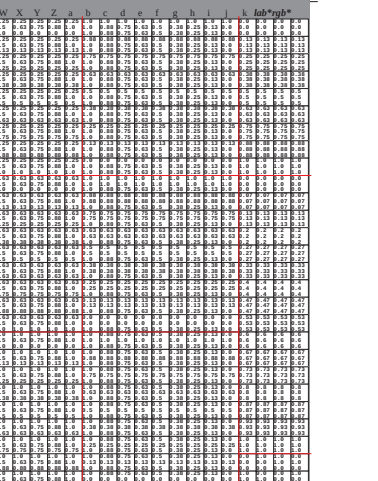
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*rgb^*





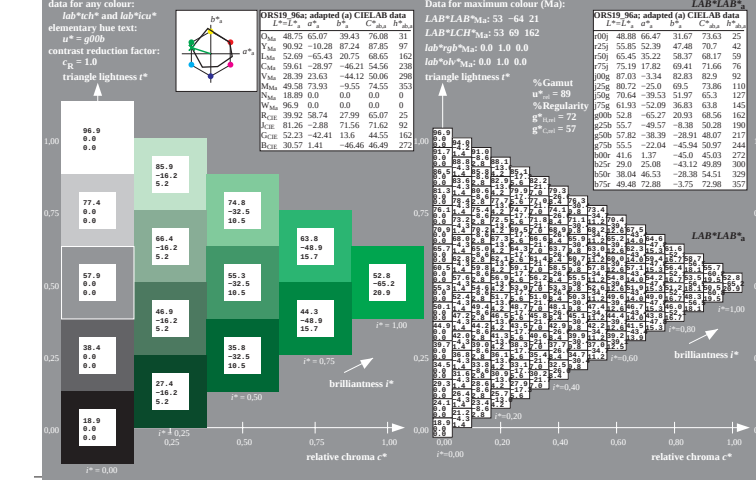


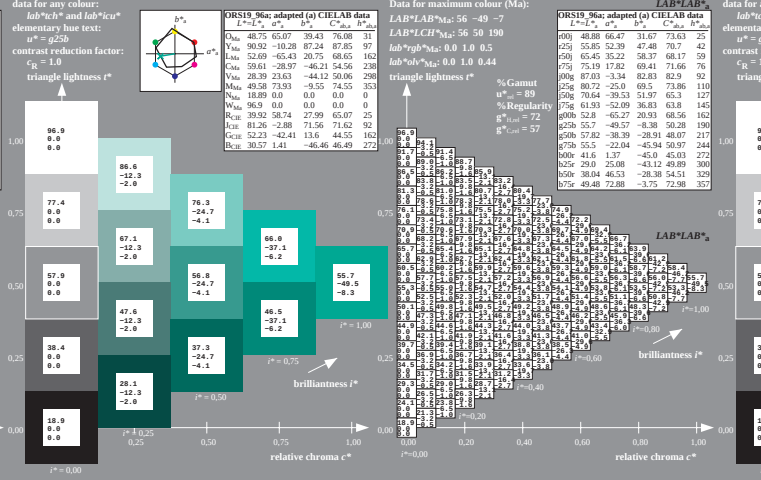
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour: lab^*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
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0

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



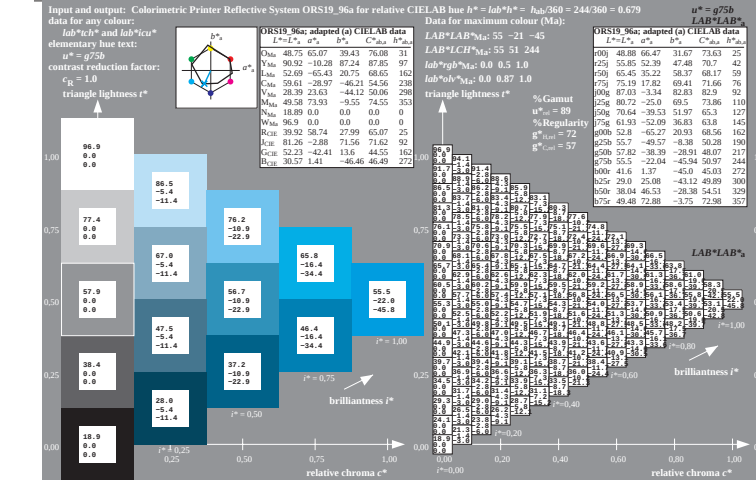


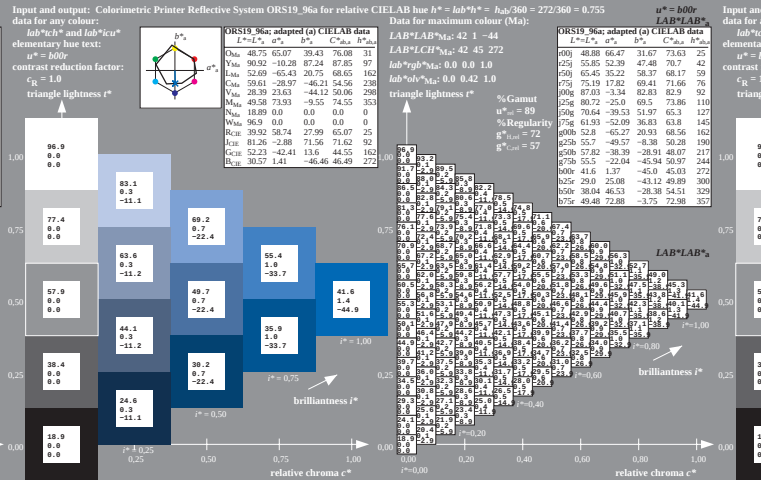
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour: lab^*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
$lab^*olv^*_{Ma}$: 0.0 1.0 0.44

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



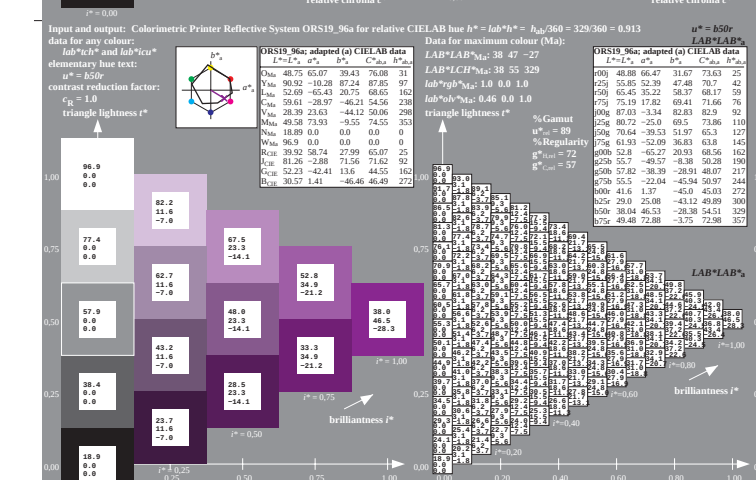


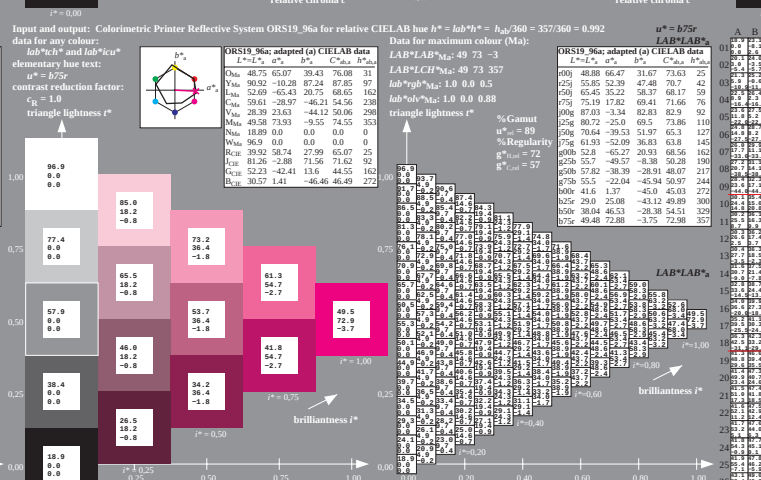
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour: lab^*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
$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

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





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

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

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^*ch^* and lab^*icu^*
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

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

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

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

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

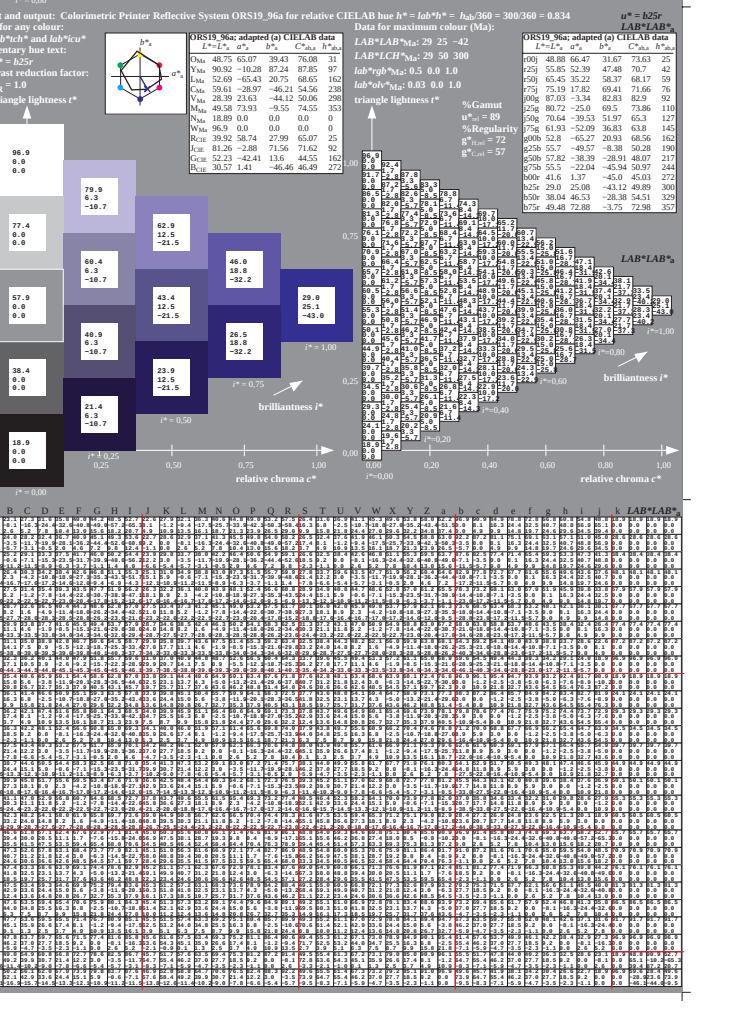
$u^* = b50r$
$LAB^*LAB^*_a$

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

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



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*ich** and *lab*icu**

elementary hue text: $u^* = g00b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 −64 21

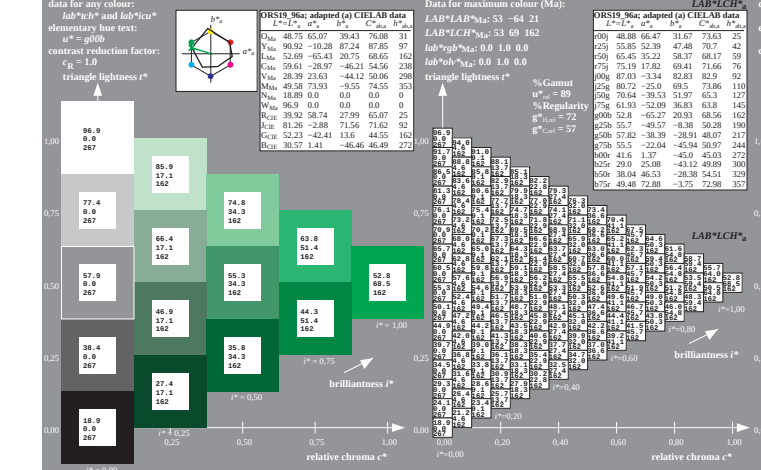
$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

$u^* = g00b$

$LAB^*LCH^*_a$



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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

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

elementary hue text: $u^* = g25b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 −49 −7

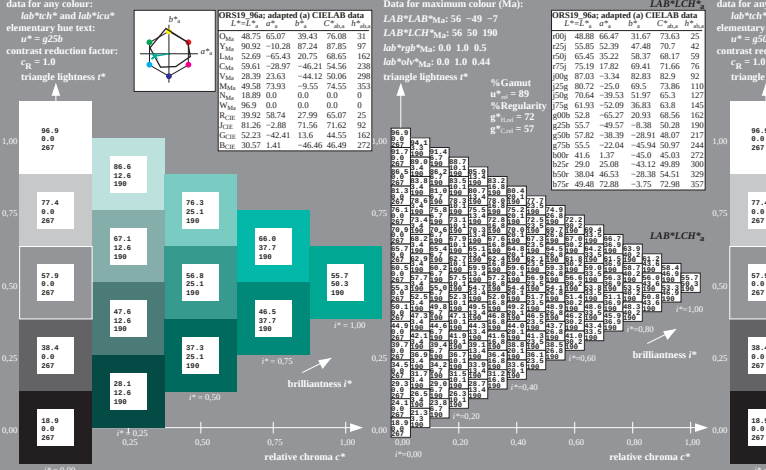
$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

$u^* = g25b$

$LAB^*LCH^*_a$



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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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
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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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

elementary hue text: $u^* = g50b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 −37 −28

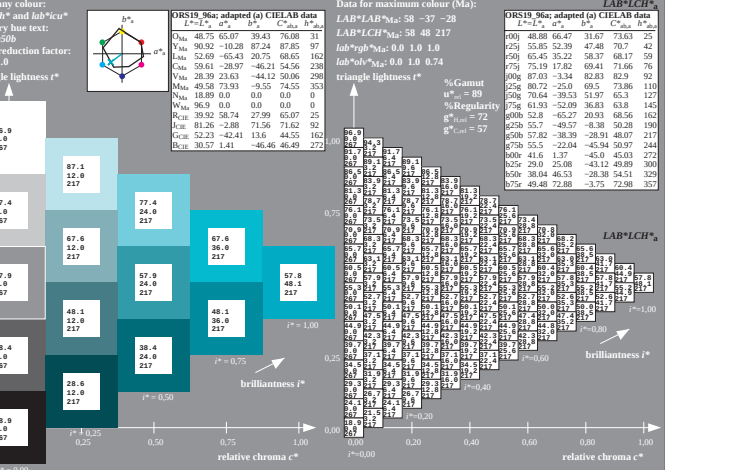
$LAB^*LCH^*_{Ma}$: 58 48 217

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

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

$u^* = g50b$

$LAB^*LCH^*_a$



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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

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

elementary hue text: $u^* = g75b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 −21 −45

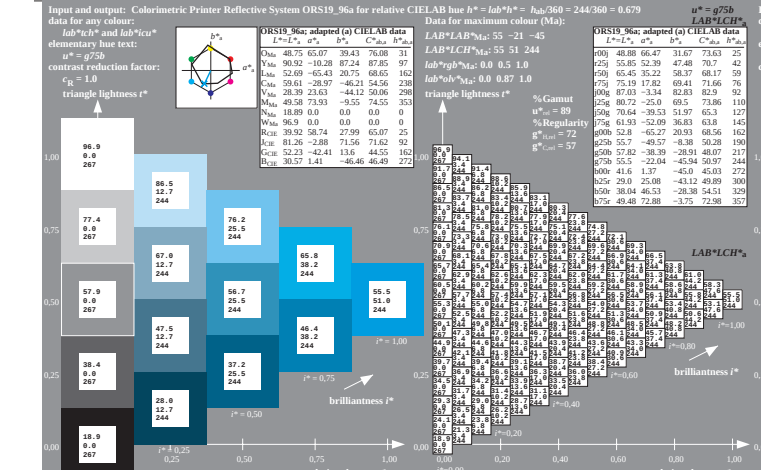
$LAB^*LCH^*_{Ma}$: 55 51 244

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

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

$u^* = g75b$

$LAB^*LCH^*_a$



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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

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

elementary hue text: $u^* = b00r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 −44

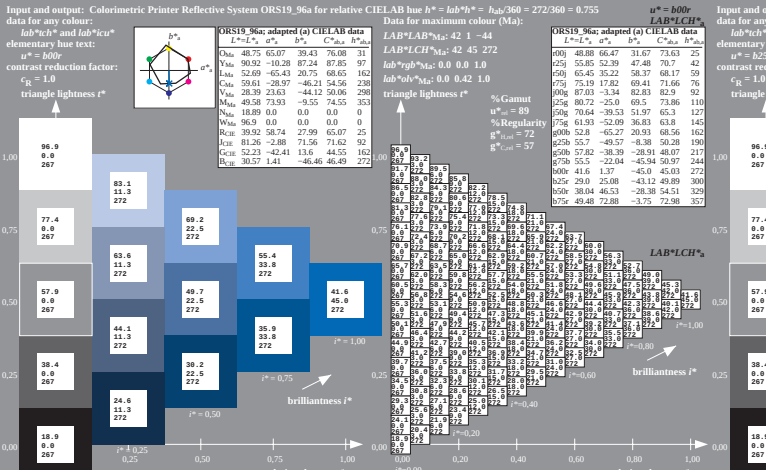
$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

$u^* = b00r$

$LAB^*LCH^*_a$



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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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

elementary hue text: $u^* = b25r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 −42

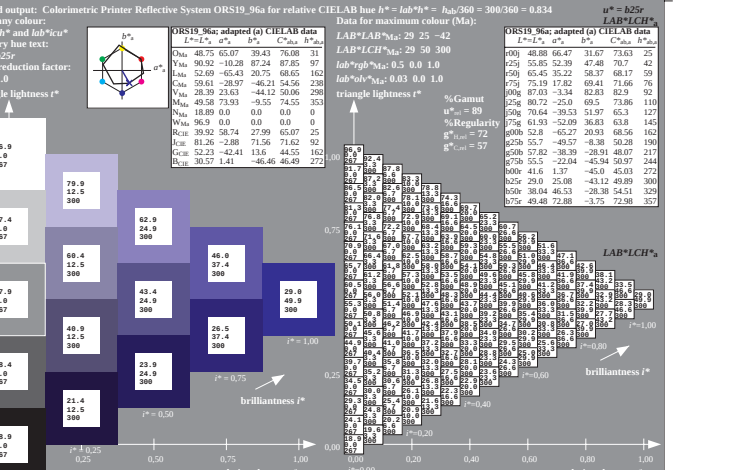
$LAB^*LCH^*_{Ma}$: 29 50 300

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

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

$u^* = b25r$

$LAB^*LCH^*_a$



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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

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

elementary hue text: $u^* = b50r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 −27

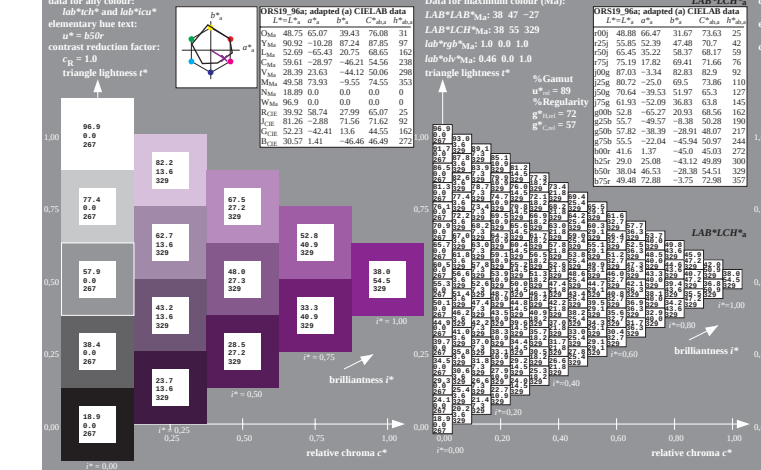
$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

$u^* = b50r$

$LAB^*LCH^*_a$



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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

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

elementary hue text: $u^* = b75r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 −3

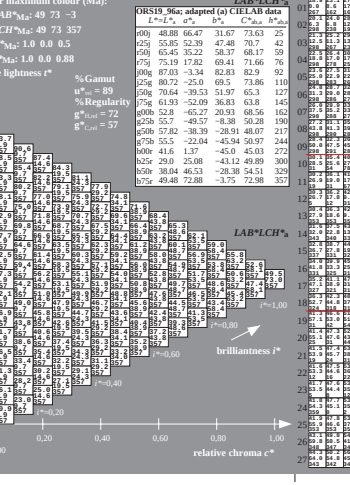
$LAB^*LCH^*_{Ma}$: 49 73 357

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

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

$u^* = b75r$

$LAB^*LCH^*_a$

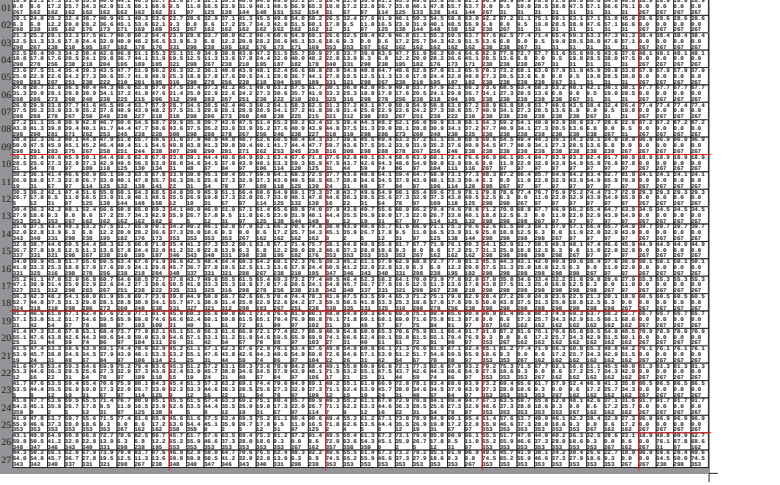


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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

ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

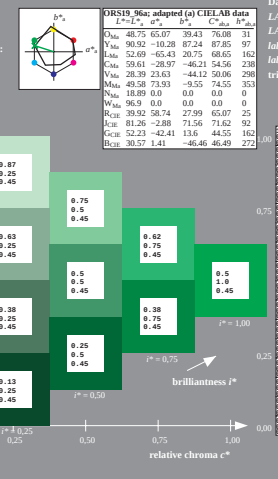


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

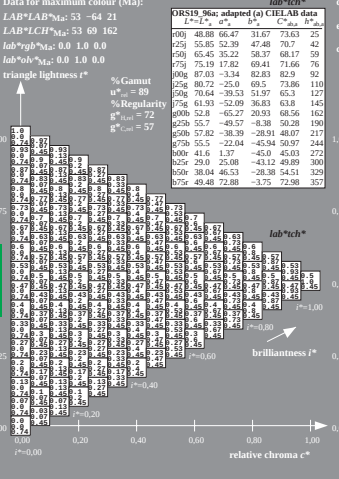
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g00b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*



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



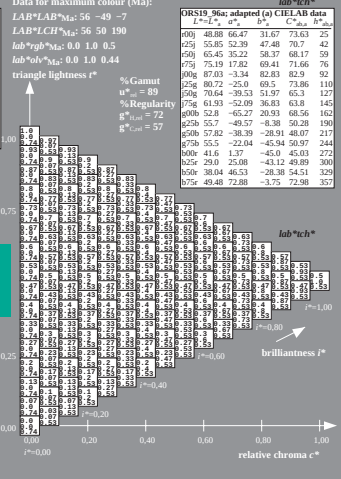
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

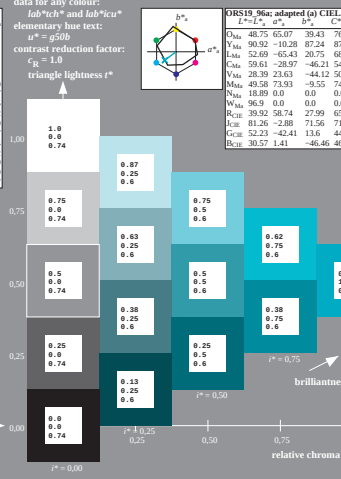
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*



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



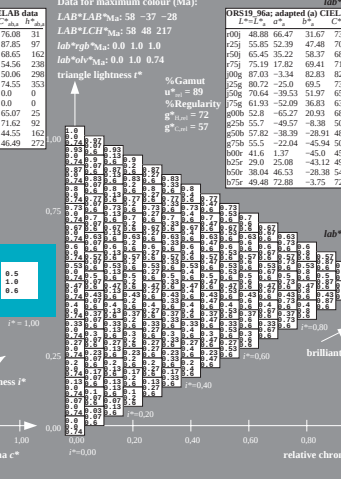
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

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



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

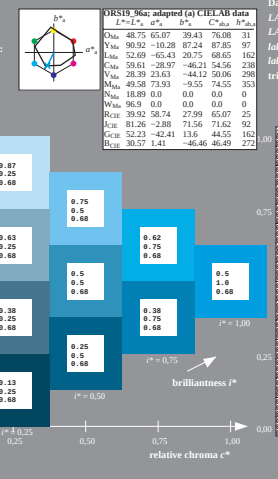
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

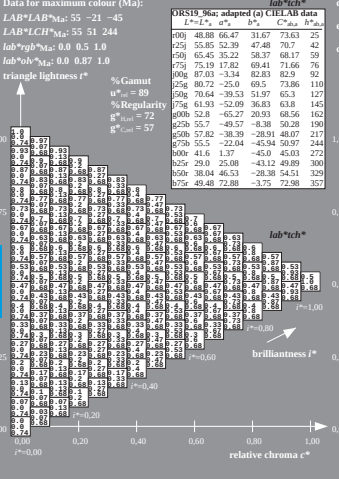
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*



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



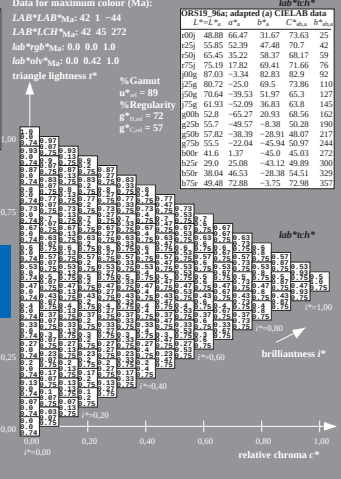
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

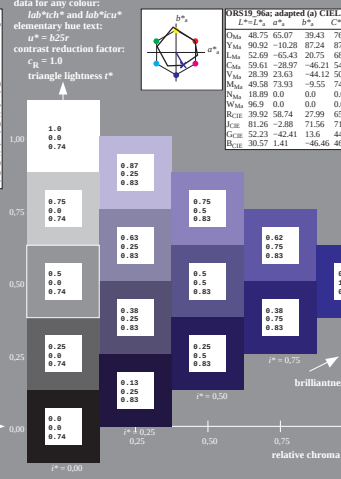
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*



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



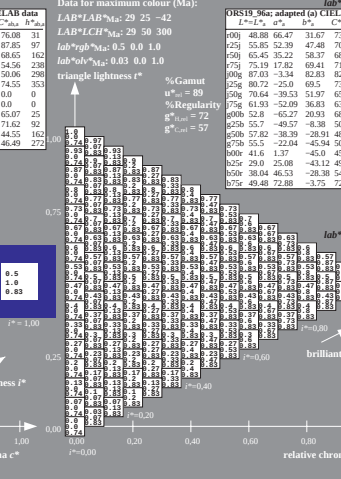
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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^*



ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

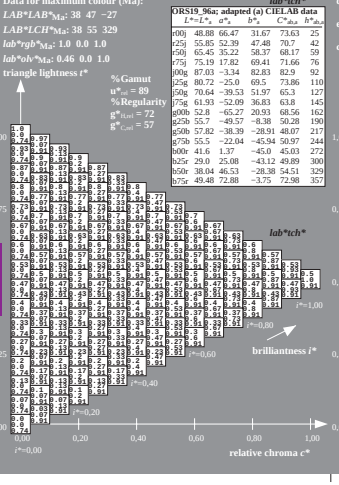
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

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^*

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



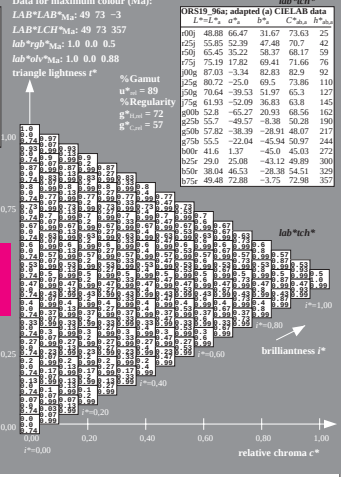
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

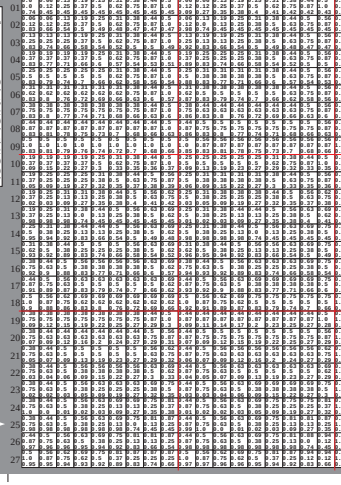
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*



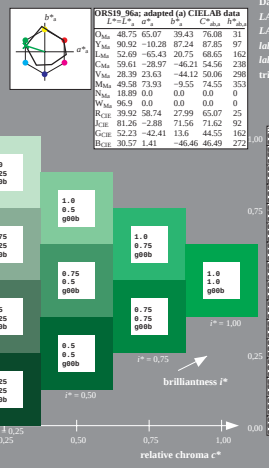
ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}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



ORS19_96a: adapted (a) CIELAB data	$L^*=L^*_a$	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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^*

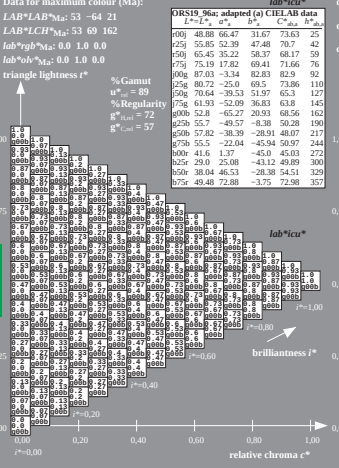


ORS19_96a: adapted (a) CIELAB data

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

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^*

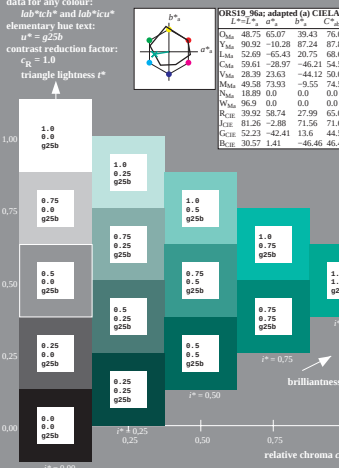


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

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

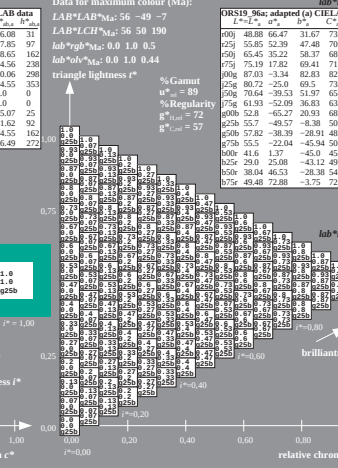


ORS19_96a: adapted (a) CIELAB data

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

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^*

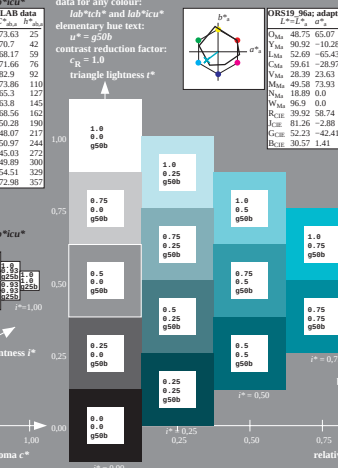


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

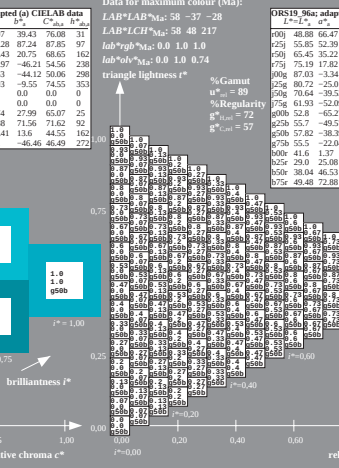


ORS19_96a: adapted (a) CIELAB data

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

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^*

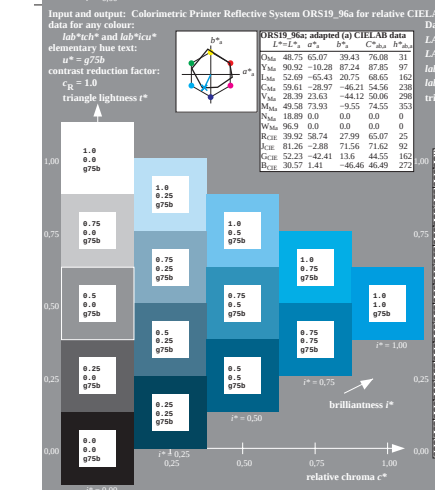


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

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

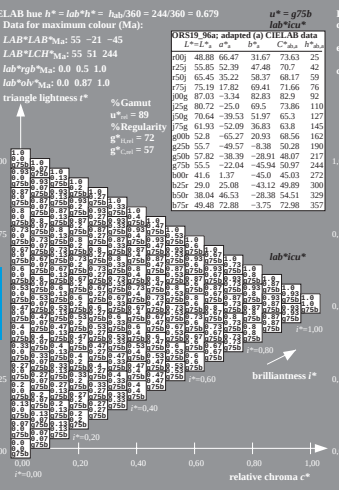


ORS19_96a: adapted (a) CIELAB data

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

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^*

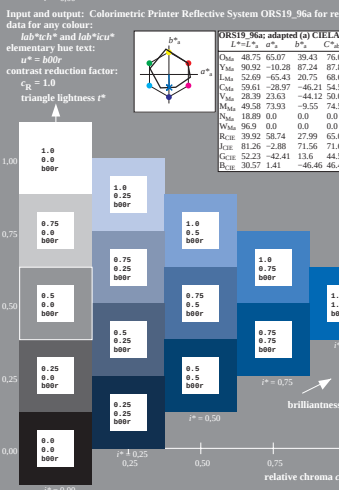


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

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

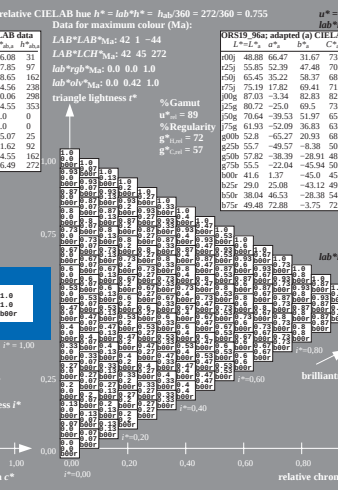


ORS19_96a: adapted (a) CIELAB data

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

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^*

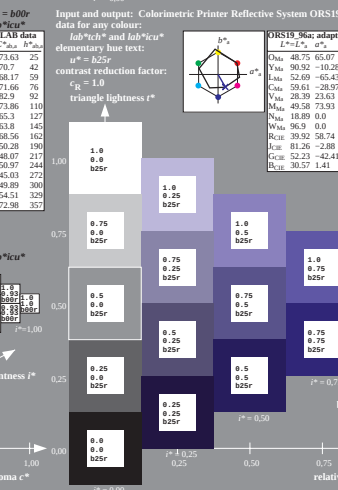


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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

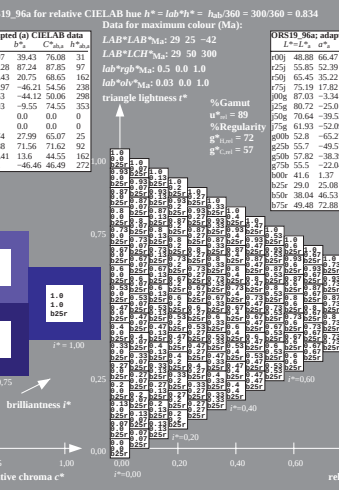


ORS19_96a: adapted (a) CIELAB data

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

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^*

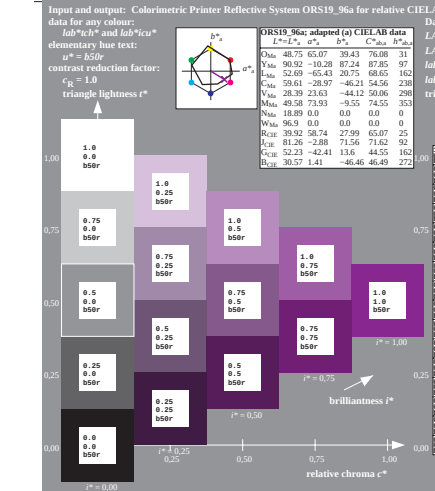


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

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

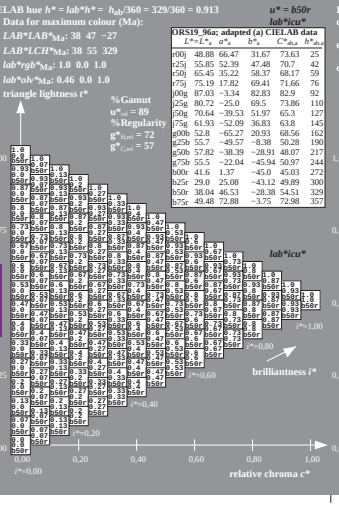


ORS19_96a: adapted (a) CIELAB data

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

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^*

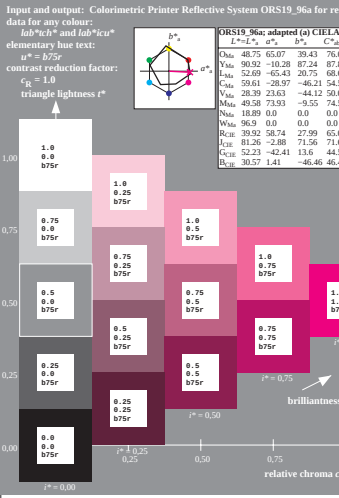


ORS19_96a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

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

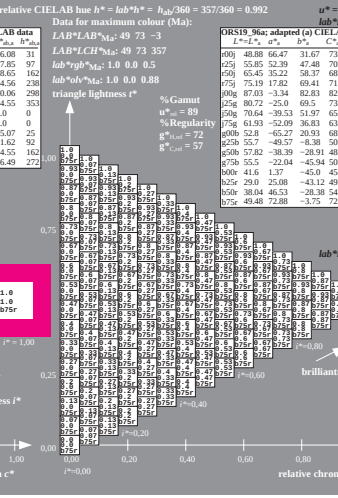


ORS19_96a: adapted (a) CIELAB data

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

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

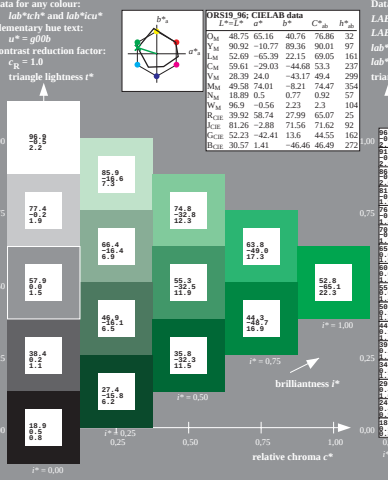
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00g	48.88	66.47	31.67	73.63	25
r25g	55.85	52.39	47.48	70.7	42
r50g	65.45	35.22	58.37	68.17	59
r75g	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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

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

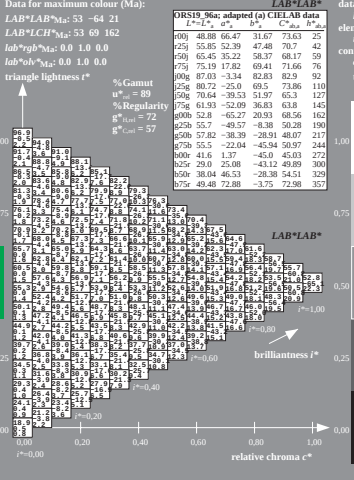
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g00b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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 0.04

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



ORS19_96; 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



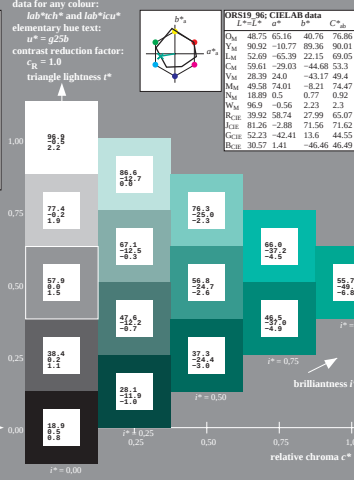
ORS19_96a; adapted (a) CIELAB data	$L^*=L^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

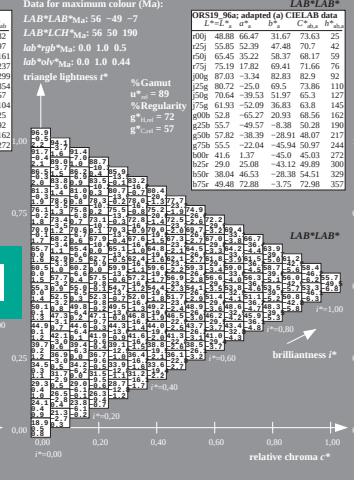
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g25b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*LAB^*



ORS19_96; 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



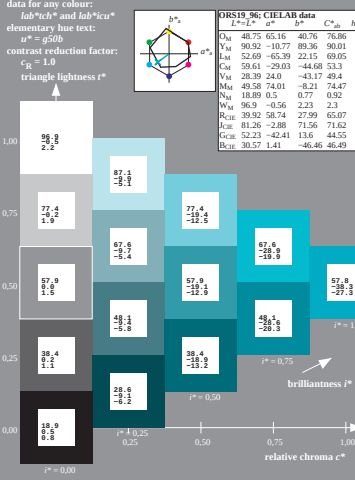
ORS19_96a; adapted (a) CIELAB data	$L^*=L^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

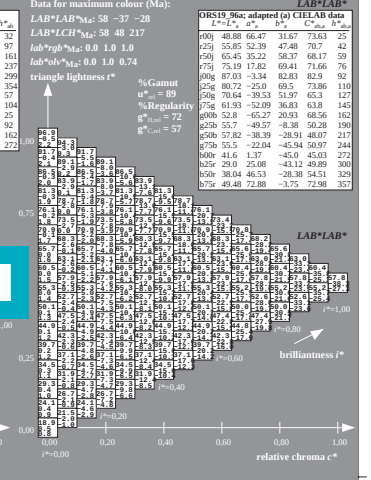
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g50b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

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



ORS19_96; 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



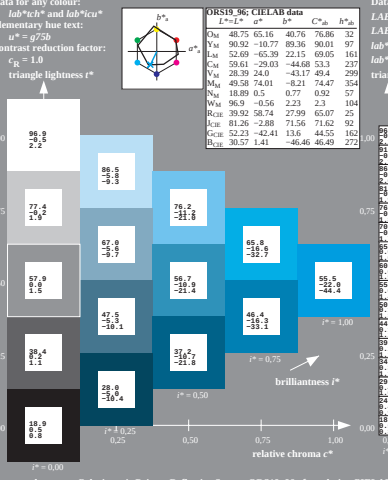
ORS19_96a; adapted (a) CIELAB data	$L^*=L^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

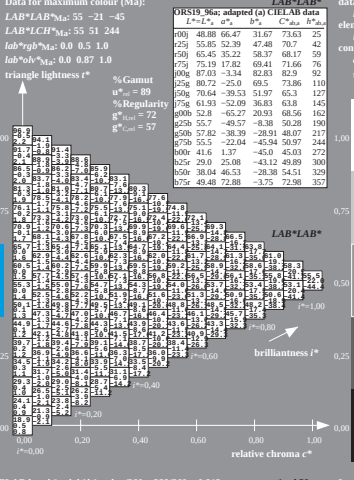
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = g75b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*LAB^*



ORS19_96; 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



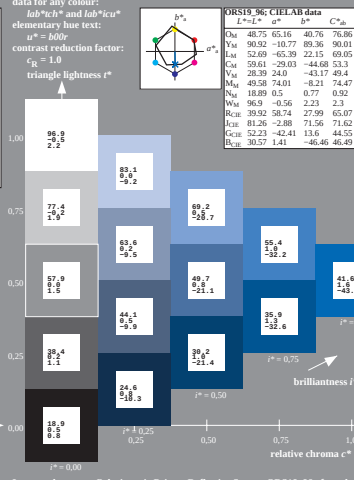
ORS19_96a; adapted (a) CIELAB data	$L^*=L^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

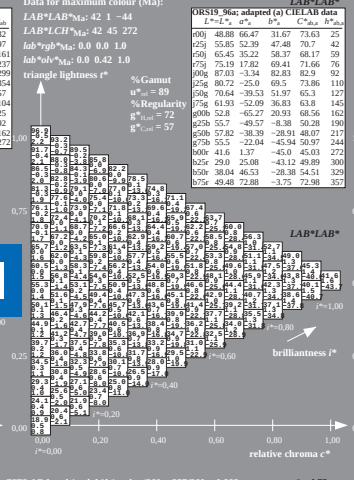
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b00r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*LAB^*



ORS19_96; 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



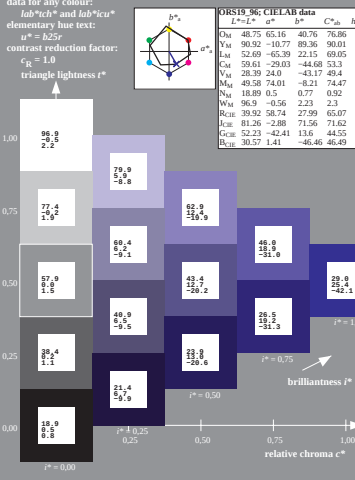
ORS19_96a; adapted (a) CIELAB data	$L^*=L^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

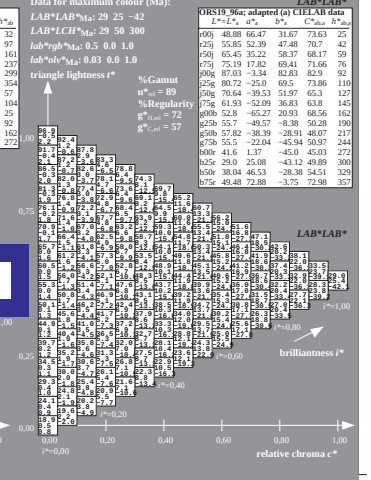
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b25r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*LAB^*



ORS19_96; 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



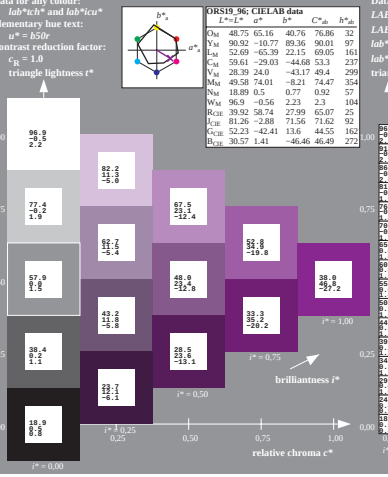
ORS19_96a; adapted (a) CIELAB data	$L^*=L^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

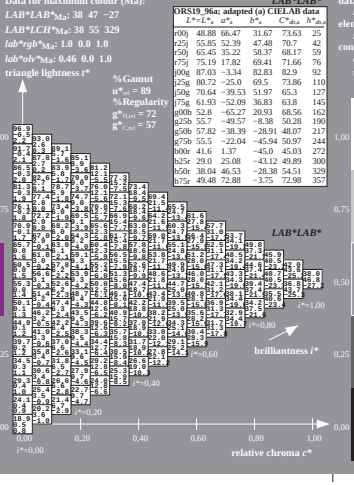
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b50r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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^*LAB^*



ORS19_96; 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



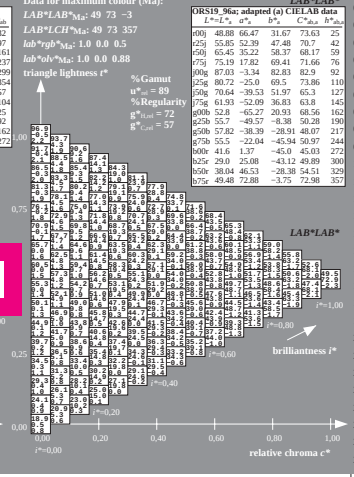
ORS19_96a; adapted (a) CIELAB data	$L^*=L^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

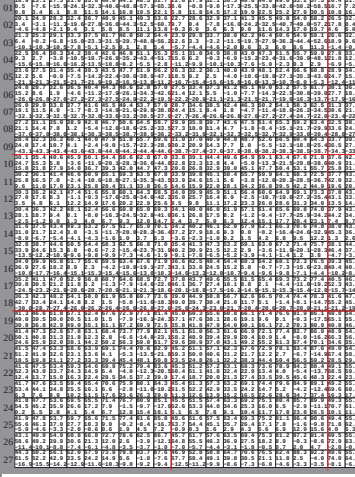
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: $u^* = b75r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

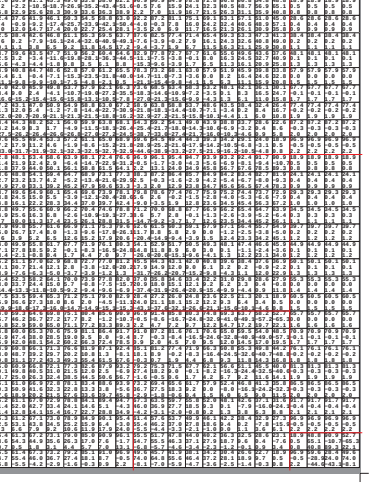
$u^* = b75r$
LAB^*LAB^*



ORS19_96; 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	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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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



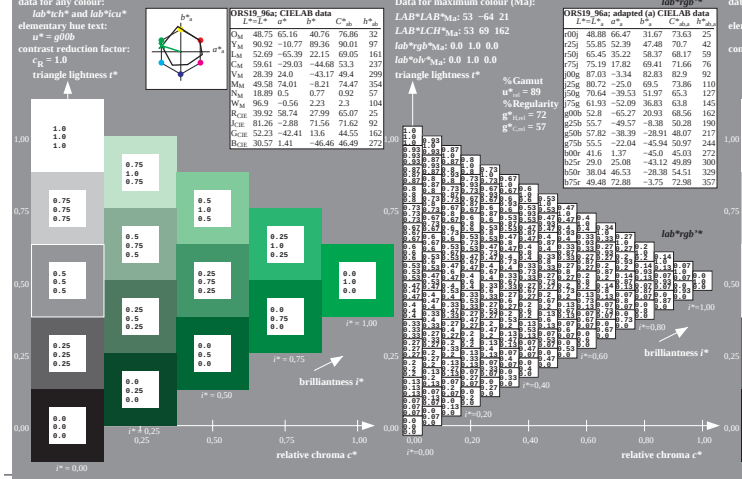
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.04

$u^* = g00b$
$lab^*rgb'^*$

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

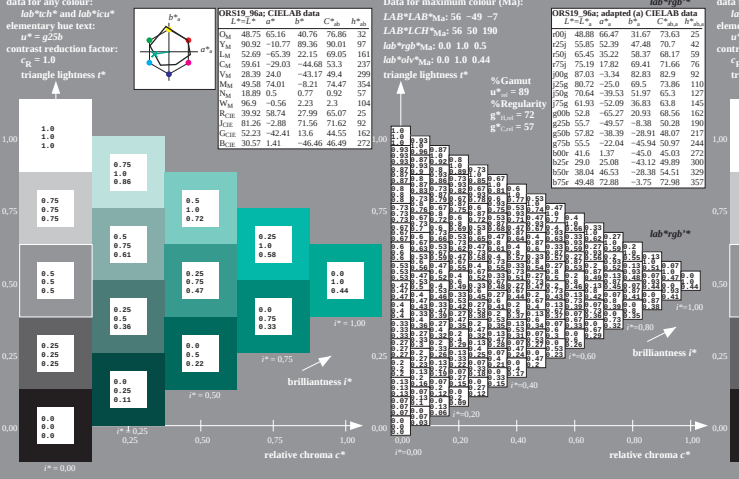
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 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

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

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

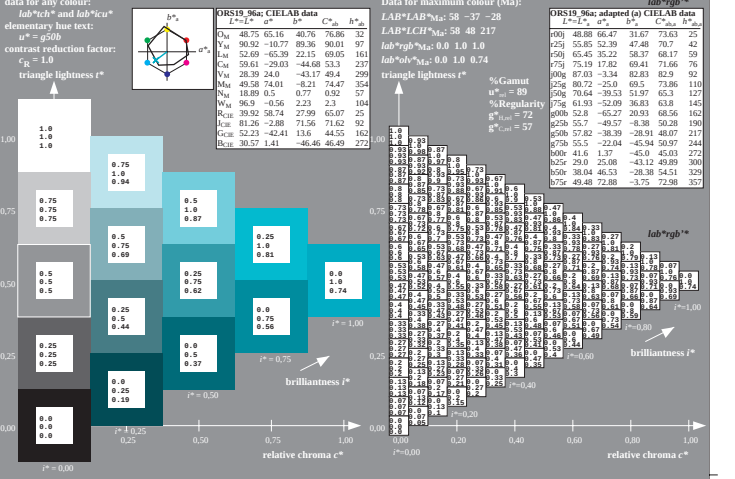
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 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

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

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

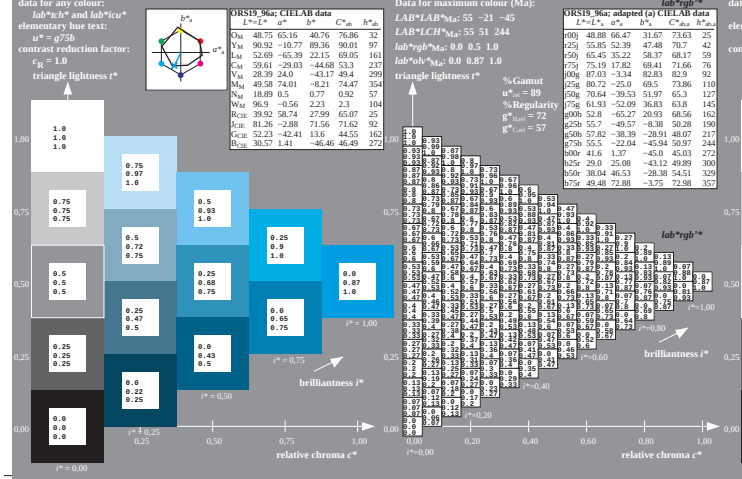
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 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

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

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

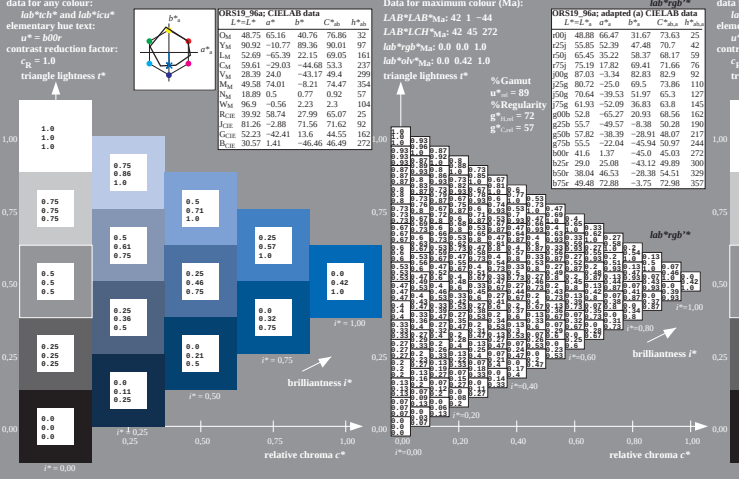
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

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

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

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

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

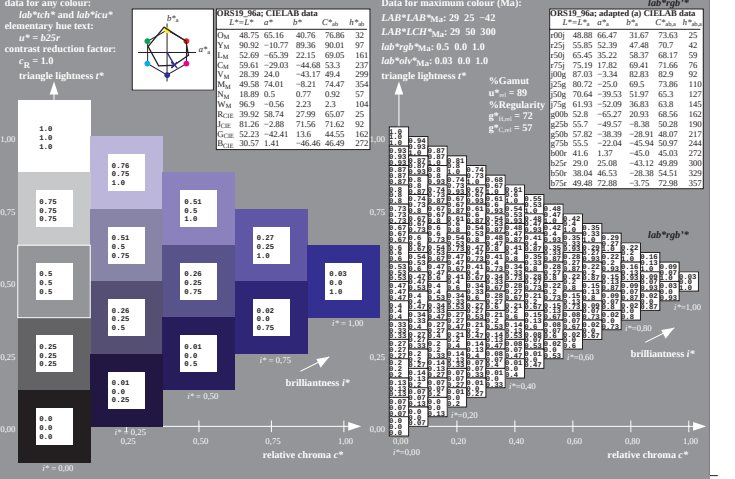
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 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

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

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

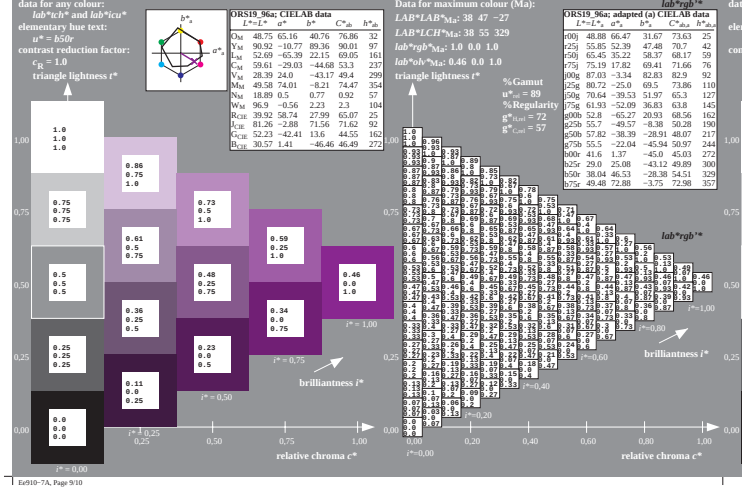
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 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

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

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$



ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

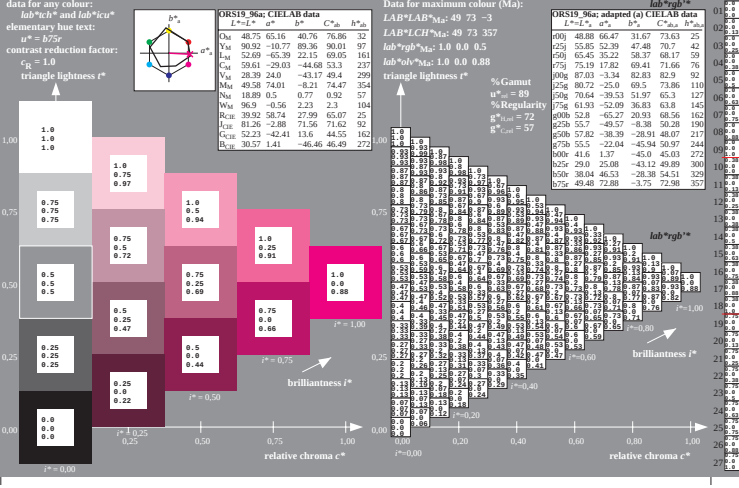
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 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

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

%Gamut $u^*_{0.1} = 89$
%Regularity $g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

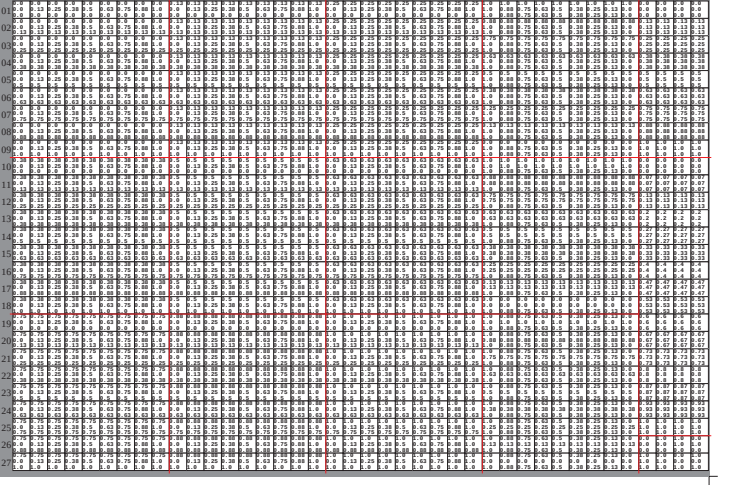


ORS19_96a: CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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

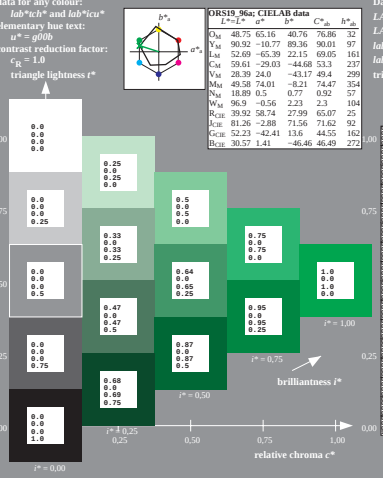


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

u = g00b*
*LAB*cmyn'**

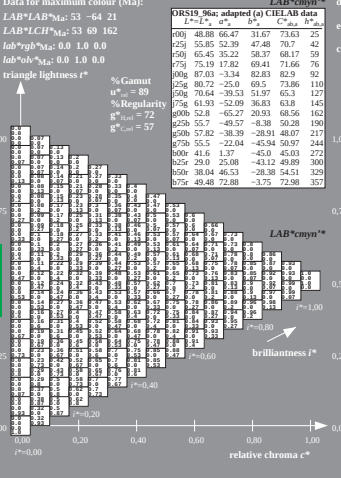
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g00b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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

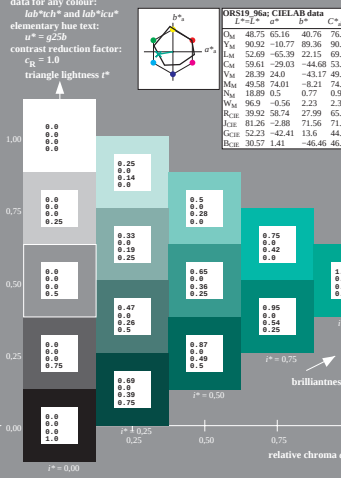
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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*cmyn'**

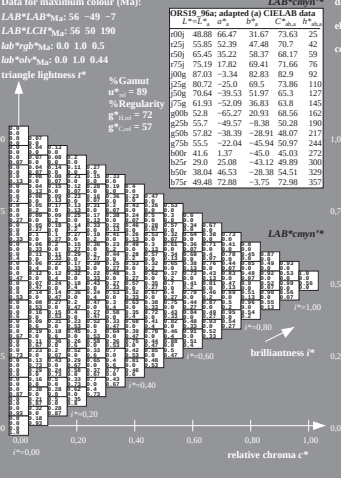
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g25b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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

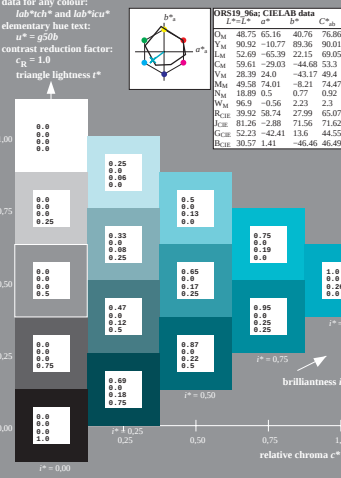
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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*cmyn'**

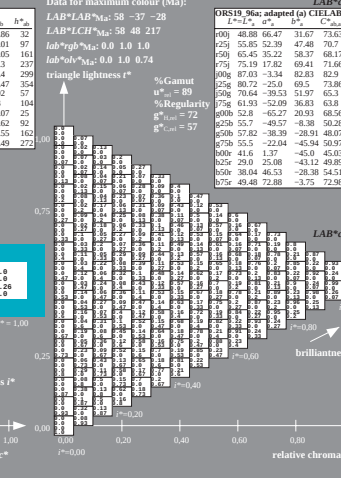
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g50b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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

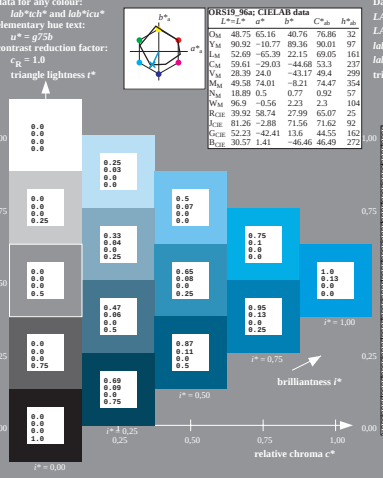
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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*cmyn'**

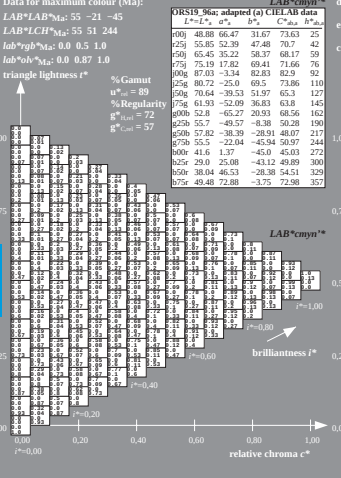
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = g75b*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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

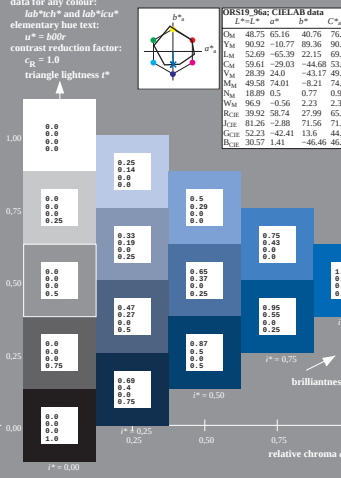
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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*cmyn'**

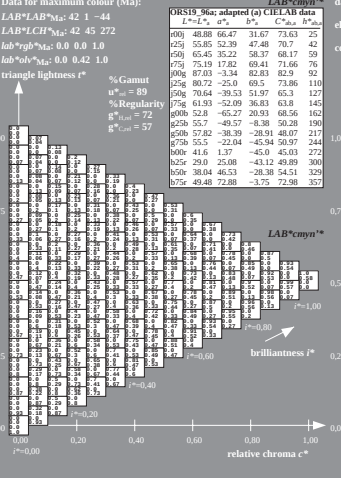
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b00r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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

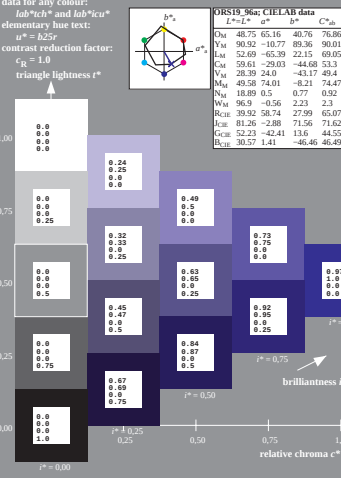
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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*cmyn'**

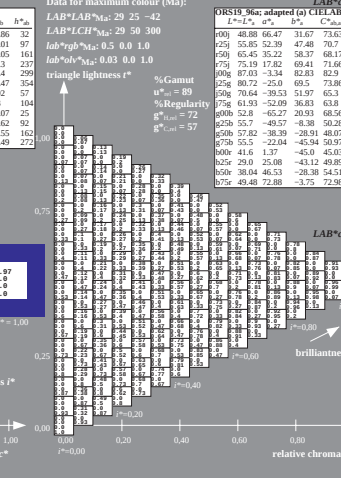
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b25r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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

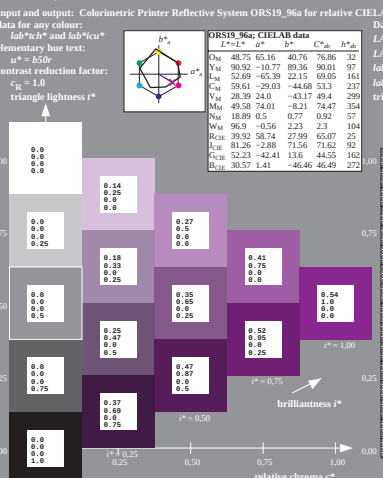
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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*cmyn'**

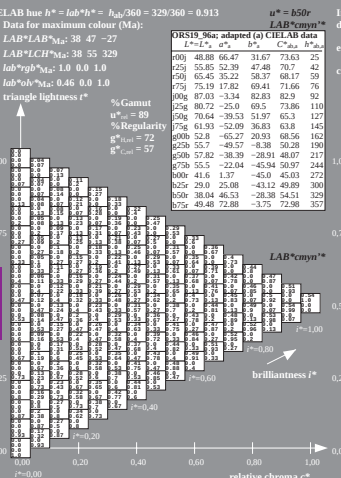
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b50r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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

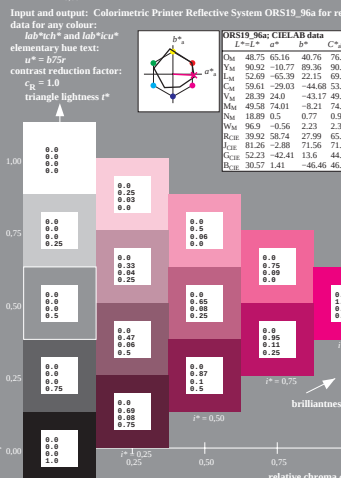
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	61.93	−52.09	36.83	63.8	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*cmyn'**

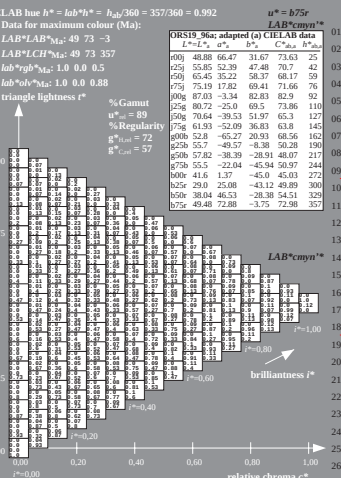
data for any colour: *lab*tch** and *lab*icu**
elementary hue text: *u* = b75r*
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

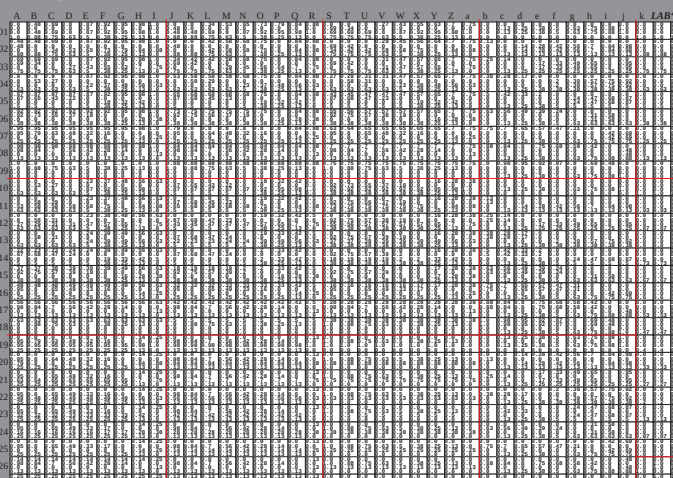
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 73 −3
*LAB*LCH**$_{Ma}$: 49 73 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.88



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	48.75	65.16	40.76	76.86	32
Y_{Ma}	90.92	−10.77	89.36	90.01	97
L_{Ma}	52.69	−65.39	22.15	69.05	161
C_{Ma}	59.61	−29.03	−44.68	53.3	237
V_{Ma}	28.39	24.0	−43.17	49.4	299
M_{Ma}	49.58	74.01	−8.21	74.47	354
N_{Ma}	18.89	0.5	0.77	0.92	57
W_{Ma}	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
g00g	87.03	−3.34	82.83	82.9	92
g25g	80.72	−25.0	69.5	73.86	110
g50g	70.64	−39.53	51.97	65.3	127
g75g	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